CITY OF
BAINBRIDGE ISLAND

City Council Regular Business Meeting
Tuesday, May 12, 2026

Council Chambers
280 Madison Ave N
Bainbridge Island, WA

and

Remote Meeting on Zoom
https://bainbridgewa.zoom.us/j/92947338351
or Telephone: US: +1 253 215 8782
Webinar ID: 929 4733 8351

Agenda

1. **Call to Order / Roll Call / Pledge of Allegiance / Land Acknowledgment - 6:00 pm**

2. **Approval of Agenda / Conflict of Interest Disclosure - 6:05 pm**

3. **Presentation(s)**

   A. (6:10 pm) Present Proclamation Recognizing Memorial Day on May 25, 2026

   B. (6:15 pm) Present Proclamation Declaring May 10 through May 16, 2026, as "Bainbridge Island Police Week"

   C. (6:20 pm) Present Proclamation Declaring May 17 through May 23, 2026, as "National Public Works Week"

   D. (6:25 pm) Present Proclamation Declaring the Month of May 2026, as "Building Safety Month"

4. **Public Comment - 6:30 pm**

   In person public comment is accepted at this time on any topic of public interest. Each commenter will have three minutes, or such amount as the meeting chair determines, to speak. Public comment is not taken on individual agenda items during the meeting. For items scheduled for a public hearing, comment is accepted from an individual only one time, either during public comment or during the hearing. Public comment is simply received by the Council, with no response, and Council cannot deliberate on items that are not on the agenda. The lack of comment is not an endorsement or a denial of the comment. Please refer to guidelines and instructions for public comment, including orderly behavior and civility in remarks, posted on the agenda page. Remote public comment is allowed with advance

notice by noon on the date of the meeting to the City Clerk, provided that all remote commenters shall be required to display their true name and to keep their camera turned on to show their true uncovered face while delivering their comments.

5. Consent Agenda - 6:50 pm

All items listed under this section are considered to be routine and will be acted upon with one motion and one vote. There will be no separate discussion of these items unless a member of the City Council, or City Manager so requests, in which event, the item will be considered separately in its normal sequence.

A. Agenda Bill for Consent Agenda

B. Approve Accounts Payable and Payroll

C. Approve Meeting Minutes

D. Ratify the Pre-Approved Purchase Order for a 2026 Ford F250 Pickup Truck as Part of the 2026 Capital Improvement Plan Fleet Purchase ($21,692.08 General Fund, $68,899.87 Streets Fund)

E. Accept the 2023 Greenhouse Gas Inventory Report

F. Approve the Climate Change Advisory Committee (CCAC) 2025 Report and 2026 Workplan

G. Authorize the Interim City Manager to Execute an Amendment that Renews the Interlocal Agreement with Kitsap County Sheriff's Office for Mutual Aid and Traffic Safety Task Force

6. City Manager's Report - 6:55 pm

7. Regular Business

A. (7:00 pm) Consider Ordinance No. 2026-06 Granting a 10-Year Franchise to Verizon Wireless to Construct, Operate and Maintain Telecommunications Facilities in the City's Public Rights-of-Way for the Purpose of Providing Telecommunications Services

B. (7:10 pm) Present Final Groundwater Management Plan Draft and Public Engagement Schedule

C. (7:40 pm) Discuss Comprehensive Plan Update Adoption Process and Approach

D. (7:50 pm) Consider Introduction to the Comprehensive Plan

E. (8:10 pm) Consider Cultural Element of the Comprehensive Plan

F. (8:30 pm) Consider Human Services Element of the Comprehensive Plan

G. (8:50 pm) Consider Island-Wide Mobility Plan

H. (9:10 pm) Discuss Potential City Initiatives in Downtown During the Summer of 2026

I. (9:20 pm) Consider Creation of a Council Subcommittee to Collaborate with Washington Department of Transportation on Highway 305/High School Road Roundabout Options

J. (9:30 pm) Consider Authorization of City of Bainbridge Island Letter of Support for the North Kitsap District Court

8. Council Announcements - 9:35 pm

9. Adjournment - 9:45 pm

The City of Bainbridge Island's meetings are wheelchair accessible. The City also provides auxiliary aids and services for effective communication such as assistive listening devices, closed captioning, and print materials in digital format. For other reasonable accommodations and/or modification to programs, services, or activities, please contact the ADA Coordinator, Anshu Wahi at awahi@bainbridgewa.gov or 206-947-0803 as soon as possible, preferably at least 2 business days prior to the meeting.

CITY OF
BAINBRIDGE ISLAND

City Council Regular Business Meeting Agenda Bill
Tuesday, May 12, 2026

Agenda Item: (6:10 pm) Present Proclamation Recognizing Memorial Day on May 25, 2026

Department: City Council

Agenda Section: Presentation(s)

Estimated Time: 5 Minutes

Recommendation:

Presentation only.

Narrative:

The attached proclamation recognizes May 25, 2026, as Memorial Day. It is one of the annual proclamations that may be signed by the Mayor without further Council action.

Fiscal Impact:

Community Engagement and Outreach:

Attachments:

1. Memorial Day 2026

CITY OF
BAINBRIDGE ISLAND

PROCLAMATION

A PROCLAMATION by the City Council of the City of Bainbridge Island, Washington, recognizing Memorial Day on May 25, 2026.

WHEREAS, Memorial Day is designated as an annual day of remembrance to honor all those who have died in service to the United States during peace and war; and

WHEREAS, we remember the men and women from all corners of the United States and the service personnel from our own community who have sacrificed their lives to maintain our security and the liberties we hold dear; and

WHEREAS, you can honor the fallen by attending memorial services, laying wreaths and flowers and planting flags on graves, educating children about the importance of the day, or observing the moment of silence at 3:00 p.m. on Memorial Day to reflect on those who have made the ultimate sacrifice to our state and nation; and

WHEREAS, we are thankful that we are rich in civic organizations such as the American Legion Colin Hyde Post 172 who will conduct a Memorial Day Observance at the Bainbridge High School Veterans Memorial Monument and at the Bud Hawk Memorial Park, American Legion Hall, NE Bucklin Hill Road with Scout Troops 1564 and 1804 and guests on May 25, 2026.

NOW, THEREFORE, I, Clarence Moriwaki, Mayor of the City of Bainbridge Island, on behalf of the City Council, do hereby recognize May 25, 2026, as Memorial Day in the City of Bainbridge Island and ask all community members to remember those who have died in service to the United States.

DATED this 12th day of May 2026

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Clarence Moriwaki, Mayor

CITY OF
BAINBRIDGE ISLAND

City Council Regular Business Meeting Agenda Bill
Tuesday, May 12, 2026

Agenda Item: (6:15 pm) Present Proclamation Declaring May 10 through May 16, 2026, as "Bainbridge Island Police Week"

Department: City Council

Agenda Section: Presentation(s)

Estimated Time: 5 Minutes

Recommendation:

Presentation only.

Narrative:

The attached proclamation declares the week of May 10 through May 16, 2026, as "Bainbridge Island Police Week." It is one of the annual proclamations that may be signed by the Mayor without further Council action.

Fiscal Impact:

Community Engagement and Outreach:

Attachments:

1. Bainbridge Island Police Week 2026

CITY OF
BAINBRIDGE ISLAND

PROCLAMATION

A PROCLAMATION by the City Council of the City of Bainbridge Island, Washington, recognizing May 10 - 16, 2026, as “Bainbridge Island Police Week” to honor the service and sacrifice of those law enforcement officers killed in the line of duty.

WHEREAS, in 1962, President John F. Kennedy designated May 15 as Peace Officers Memorial Day and the week in which it falls as *National Police Week*; and

WHEREAS, there are more than 800,000 law enforcement officers serving in communities across the United States, including the dedicated members of the Bainbridge Island Police Department; and

WHEREAS, since the first recorded death in 1786, more than 24,000 law enforcement officers in the United States have made the ultimate sacrifice and been killed in the line of duty, whose names are engraved on the walls of the National Law Enforcement Officers Memorial in Washington, DC; and

WHEREAS, the Bainbridge Island City Council wishes to honor the service and sacrifice of law enforcement officers killed in the line of duty by formally designating May 10 - 16, 2026, as Police Week in the City of Bainbridge Island to publicly salute the service of law enforcement officers in our community and in communities across the nation.

NOW THEREFORE, I, Clarence Moriwaki, Mayor of the City of Bainbridge Island, on behalf of the City Council, do hereby proclaim May 10 - 16, 2026, as

BAINBRIDGE ISLAND POLICE WEEK

and encourage all residents to join me in this special observance.

DATED this 12th day of May 2026

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Clarence Moriwaki, Mayor

CITY OF
BAINBRIDGE ISLAND

City Council Regular Business Meeting Agenda Bill
Tuesday, May 12, 2026

Agenda Item: (6:20 pm) Present Proclamation Declaring May 17 through May 23, 2026, as "National Public Works Week"

Department: Executive

Agenda Section: Presentation(s)

Estimated Time: 5 Minutes

Recommendation:

Proclamation

Narrative:

The attached proclamation declares May 17 through May 23, 2026, as “National Public Works Week." National Public Works Week is a celebration of the tens of thousands of men and women in North America who provide and maintain the infrastructure and services collectedly known as “Public Works." This year's theme is “Rooted in Service, Powered by Community” which acknowledges that the roots of service run deep in public works. This proclamation is one of the annual proclamations that the Mayor may sign without further Council action.

Fiscal Impact:

Community Engagement and Outreach:

Attachments:

1. 2026 Public Works Week Proclamation

CITY OF
BAINBRIDGE ISLAND

PROCLAMATION

A PROCLAMATION by the City Council of the City of Bainbridge Island, Washington, declaring May 17 through May 23, 2026, as *National Public Works Week* in the City of Bainbridge Island.

WHEREAS, public works professionals focus on infrastructure, facilities, and services that are of vital importance to sustainable and resilient communities and to public health, high quality of life, and well-being of the people of Bainbridge Island; and

WHEREAS, these infrastructure, facilities, and services could not be provided without the dedicated efforts of public works professionals, who are engineers, managers, and employees at all levels of government and the private sector, who are responsible for rebuilding, improving, and protecting our nation's transportation, water supply, water treatment and solid waste systems, public buildings, and other structures and facilities essential for our citizens; and

WHEREAS, it is in the public interest for the citizens, civic leaders, and children in Bainbridge Island to gain knowledge of and maintain an ongoing interest and understanding of the importance of public works and public works programs in their respective communities; and

WHEREAS, the year 2026 marks the 66th annual National Public Works Week sponsored by the American Public Works Association; and

WHEREAS, the theme of this year's National Public Works Week is "Rooted in Service, Powered by Community" which acknowledges that the roots of service run deep in public works. It's what has propelled public works innovations that have helped our communities evolve into places where people can lead lives of purpose and possibility.

NOW, THEREFORE, I, Clarence Moriwaki, Mayor of the City of Bainbridge Island, do hereby designate the week of May 17 through 23, 2026, as

National Public Works Week

in the City of Bainbridge Island and invite all residents to pay tribute to our public works professionals, engineers, managers, and employees and to recognize the contributions they make every day towards the health, safety, and quality of life of our community.

SIGNED, this 12th day of May 2026

Clarence Moriwaki, Mayor

CITY OF
BAINBRIDGE ISLAND

City Council Regular Business Meeting Agenda Bill
Tuesday, May 12, 2026

Agenda Item: (6:25 pm) Present Proclamation Declaring the Month of May 2026, as "Building Safety Month"

Department: City Council

Agenda Section: Presentation(s)

Estimated Time: 5 Minutes

Recommendation:

Presentation only.

Narrative:

The attached proclamation declares the month of May 2026, as "Building Safety Month." It is one of the annual proclamations that may be signed by the Mayor without further Council action.

Fiscal Impact:

Community Engagement and Outreach:

Attachments:

1. Building Safety Month May Proclamation 2026

CITY OF
BAINBRIDGE ISLAND

PROCLAMATION

A PROCLAMATION by the City Council of the City of Bainbridge Island, Washington, declaring May 2026, as Building Safety Month.

WHEREAS, our City is committed to recognizing that everyone in our community depends on the safety and essential role our homes, buildings and infrastructure play, both in everyday life and when disasters strike; and

WHEREAS, these modern building codes include safeguards to protect the public from hazards such as snowstorms, wildland fires, floods and earthquakes. The impact of climate change and the increasing frequency and severity of natural hazard incidents — injuring people and damaging property and the environment — pose significant challenges for our infrastructure. Increasing our energy efficiency plays an important role in keeping Americans safe; and

WHEREAS, Building Safety Month is sponsored by the Washington Association of Building Officials and the International Code Council to remind the public about the critical role of our communities' largely unknown protectors of public safety—our local building code officials—who assure us of safe, sustainable and affordable buildings that are essential to our prosperity, and;

WHEREAS, "Built to Last," the theme for Building Safety Month 2026, focuses on resilient infrastructure, with weekly topics covering safe homes, safety professionals, disaster preparedness, and accessibility.

NOW, THEREFORE, I, Clarence Moriwaki, Mayor of the City of Bainbridge Island, on behalf of the City Council, do hereby proclaim the month of May 2026, as

Building Safety Month

in the City of Bainbridge Island and encourage our residents to recognize the importance of safe and resilient buildings and the work of our building code officials.

DATED this 12th day of May 2026

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Clarence Moriwaki, Mayor

CITY OF
BAINBRIDGE ISLAND

City Council Regular Business Meeting Agenda Bill
Tuesday, May 12, 2026

Agenda Item: Agenda Bill for Consent Agenda

Department: Executive

Agenda Section: Consent Agenda - 6:50 pm

Estimated Time: 5 Minutes

Recommendation:

I move to approve the consent agenda as presented.

Narrative:

Fiscal Impact:

Council will consider approval of the consent agenda.

Community Engagement and Outreach:

Attachments:

None

CITY OF
BAINBRIDGE ISLAND

City Council Regular Business Meeting Agenda Bill
Tuesday, May 12, 2026

Agenda Item: Approve Accounts Payable and Payroll

Department: Executive

Agenda Section: Consent Agenda - 6:50 pm

Estimated Time: 0 Minutes

Recommendation:

Approve accounts payable and payroll.

Narrative:

Council will consider approval of accounts payable and payroll.

Fiscal Impact:

Community Engagement and Outreach:

Attachments:

1. AP Report to Council of Cash Disbursements 04-30-26
2. Council Report 5-5-26
3. AP Report to Council of Cash Disbursements 05-07-26

CITY OF
BAINBRIDGE ISLAND

ACCOUNTS PAYABLE REPORT TO CITY COUNCIL OF CASH DISBURSEMENTS

CHECK RUN DATE: 04/30/2026

Last check from previous run: 363254 dated 04/23/2026 issued to Sound Reprographics for $208.21

Last ACH from previous run: 7531 dated 04/24/2026 issued to Vestis for $32.76

Payment Type	Check Date	Check Number	Department/Vendor/Description	Amount
Regular Check Run	04/30/2026	363255-363268	Total Regular Check Run	$ 21,000.44
Manual ACH	04/24/2026	7532	WA ST DOL - Firearm Permits Apr 2026	399.00
Manual ACH	04/27/2026	7533	WA ST DOR - Excise Taxes Mar 2026	20,535.72
Manual ACH	04/30/2026	7534	COBI - Utility Billing Apr 2026	6,050.31
Regular ACH Run	05/01/2026	7535-7567	Total Regular ACH Run	548,971.43
			Total Disbursements	**$ 596,956.90**

Retainage Release	04/30/2026	249	Air Management Solutions - City Hall HVAC Replacement	$ 3,834.39
Travel Advance	N/A	N/A	N/A	N/A

Prepared and Reviewed by Grace Lin Grace Lin, Senior Accounting Technician

I, the undersigned, do hereby certify under penalty of perjury that the materials have been furnished, the services rendered, or the labor performed as described herein and that the claim is a just, due, and unpaid obligation against the City of Bainbridge Island, and that I am authorized to authenticate and certify to said claim.

Kim Dunscombe 05.01.2026

Kim Dunscombe, Accounting Manager — Date

CASH ACCOUNT: 635 111100 CASH

CHECK NO	CHK DATE	TYPE	VENDOR	NAME	VOUCHER	INVOICE	INV DATE	PO	CHECK RUN	NET
						INVOICE DTL DESC				
363255	04/30/2026	PRTD	8511	A G O LAND SURVEYING	285038	5819	03/02/2026		04/30/26	1,755.00
Invoice: 5819						ENG/SURVEY & CONST STAKING - 00988 WINS WTR TNK				
					1,755.00	72413434 64110000988 NEW WATER TANKS-PROF SVCS				
								CHECK	363255 TOTAL:	1,755.00
363256	04/30/2026	PRTD	6420	AT&T MOBILITY	285086	287287004732X041926	04/11/2026		04/30/26	3,426.66
Invoice: 287287004732X041926						POL,EOC/WIRELESS CHARGES				
					104.23	31011256 542100 EX-GF-EMERG PREP-PHONE				
					540.00	91011215 548500 GG-C/E-PD-SOFTWARE MAINT				
					2,782.43	91011215 542100 GG-C/E-PD-PHONE				
								CHECK	363256 TOTAL:	3,426.66
363257	04/30/2026	PRTD	10963	CARVER, JOHN	285087	REFUND-BLD29321	04/27/2026		04/30/26	5,121.92
Invoice: REFUND-BLD29321						REFUND-BLD29321 R-POL				
					3,495.42	47148 322100 BUILDINGS, STRUCT. & EQ				
					6.50	65238 386000 SBCC - SBCC FEE				
					1,620.00	47047 345810 ZONING & SUBDIVISION FE				
								CHECK	363257 TOTAL:	5,121.92
363258	04/30/2026	PRTD	10751	CINTAS CORPORATION N	285054	4266093012	04/15/2026	20250003	04/30/26	54.46
Invoice: 4266093012						PW/WWTP UNIFORM AND LAUNDRY SERVICES				
					54.46	73425358 54500001388 WWTP UNIFORM SVC-RENTALS				
								CHECK	363258 TOTAL:	54.46
363259	04/30/2026	PRTD	634	CITY OF BAINBRIDGE I	285058	PLN53181	04/23/2026		04/30/26	2,225.00
Invoice: PLN53181						ENG/PLN53181 - WWTP OUTFALL EXTENSION GEOTECH EXPL				
					2,225.00	72423434 64980001106 WWTP OUTFALL EXT-PERMITS				
								CHECK	363259 TOTAL:	2,225.00
363260	04/30/2026	PRTD	102	CITY OF BAINBRIDGE I	285048	RETREQ1-2026-P&P-510	04/24/2026	20260017	04/30/26	439.41
Invoice: RETREQ1-2026-P&P-510						10% RETAINAGE IN LIEU OF BOND (CONTRACT 2025076)				
					439.41	73411349 54110000510 BACKFLOW TEST-PRO SVCS				
								CHECK	363260 TOTAL:	439.41
363261	04/30/2026	PRTD	102	CITY OF BAINBRIDGE I	285049	RETREQ1-2026-RET-510	04/24/2026	20250033	04/30/26	219.70
Invoice: RETREQ1-2026-RET-510						RETAINAGE (5%) FOR CONTRACT 2025076 BACKFLOW TEST				
					219.70	73411349 54110000510 BACKFLOW TEST-PRO SVCS				

CASH ACCOUNT: 635 111100 CASH

CHECK NO	CHK DATE	TYPE	VENDOR	NAME	VOUCHER	INVOICE	INV DATE	PO	CHECK RUN	NET
						INVOICE DTL DESC				
								CHECK	363261 TOTAL:	219.70
363262	04/30/2026	PRTD	318	KC ALCOHOLISM SPECIA	285089	01312026	03/30/2026		04/30/26	1,837.98
Invoice: 01312026						Q4 2025 ALCOHOLISM SERVICES				
					1,837.98	91011660 553000 EXEC - C/E DETOX				
								CHECK	363262 TOTAL:	1,837.98
363263	04/30/2026	PRTD	4740	KITSAP COUNTY PUBLIC	285068	CINV-2026-00301	04/14/2026		04/30/26	1,149.76
Invoice: CINV-2026-00301						ENG/KITSAP COUNTY AND WSSOG ILA				
					1,149.76	72431832 54110000872 H2O/SSWM GROUP-PROF SVCS				
								CHECK	363263 TOTAL:	1,149.76
363264	04/30/2026	PRTD	1505	KITSAP COUNTY TREASU	285035	MAR26	03/31/2026		04/30/26	52.47
Invoice: MAR26						OUT COURT REMIT (CRIME VICTIMS) - MAR 2026				
					52.47	41612860 586000 CRIME VICTIMS-OUT				
								CHECK	363264 TOTAL:	52.47
363265	04/30/2026	PRTD	8654	RAUL AGUIRRE	285073	41426	04/14/2026		04/30/26	130.00
Invoice: 41426						CRT/SPANISH INTERPRETER SERVICES 04/14/26				
					130.00	21011125 541230 COURT-INTERPRETER				
								CHECK	363265 TOTAL:	130.00
363266	04/30/2026	PRTD	10964	THORNE, KATHLEEN	285092	REFUND-WPCCDEP APR26	04/28/2026		04/30/26	150.00
Invoice: REFUND-WPCCDEP APR26						WPCC DEPOSIT REFUND - EVENTS 04/25 & 04/26/26				
					150.00	41625860 586000 SC/COMMONS ROOM DEP-DISBURSEME				
								CHECK	363266 TOTAL:	150.00
363267	04/30/2026	PRTD	2251	WA ST TREASURER	285036	MAR26	03/31/2026		04/30/26	3,978.52
Invoice: MAR26						OUT COURT REMIT - MAR 2026				
					1,889.17	41611860 586000 PSEA 60% OUT				
					718.14	41610860 586000 PSEA 30% OUT				
					3.05	41619860 586000 PSEA 3 - STATE DISB OUT				
					194.50	41619860 586886 ST GENERAL FUND 93-OUT				
					170.47	41616860 586000 THEFT PRV&TR BRAIN INJ-OUT				
					758.67	41614860 586000 JUDICIAL INFO SYST.-OUT				
					97.27	41618860 586000 TRAUMA CARE-OUT				
					9.95	41618860 586000 TRAUMA CARE-OUT				
					2.08	41618860 586000 TRAUMA CARE-OUT				
					11.90	41618860 586000 TRAUMA CARE-OUT				
					5.55	41616860 586812 ACCESS COMM ACCT				
					5.56	41616860 586813 MULTIMODAL ACCT				

CASH ACCOUNT: 635 111100 CASH

CHECK NO	CHK DATE	TYPE	VENDOR	NAME	VOUCHER	INVOICE	INV DATE	PO	CHECK RUN	NET
						INVOICE DTL DESC				
					99.60	41618860 586896	DOL TECH SUPPORT-OUT			
					12.61	41615860 586961	STATE CRIME LAB			
					285037	SBCC MAR26	03/31/2026		04/30/26	295.00
	Invoice: SBCC MAR26						OUT COURT REMIT SBCC - MAR 2026			
					295.00	41652860 586000	SBCC BLDG.-OUT			
								CHECK	363267 TOTAL:	4,273.52
363268	04/30/2026	PRTD	5271	WASHINGTON WATER SER	285100	4815979187-APR26	04/22/2026		04/30/26	164.56
	Invoice: 4815979187-APR26						DECANT FACILITY WATER			
					164.56	91435838 547500	GG-DECANT-WATER/SEWER			
								CHECK	363268 TOTAL:	164.56
						NUMBER OF CHECKS 14		*** CASH ACCOUNT TOTAL ***		21,000.44

	COUNT	AMOUNT
TOTAL PRINTED CHECKS	14	21,000.44

*** GRAND TOTAL *** 21,000.44

JOURNAL ENTRIES TO BE CREATED

CLERK: glin

YEAR PER JNL / SRC ACCOUNT	EFF DATE	JNL DESC	REF 1	REF 2	REF 3	ACCOUNT DESC / LINE DESC	T	OB	DEBIT	CREDIT
2026 4 324										
APP 401-213000						ACCOUNTS PAYABLE			2,414.11	
	04/30/2026	04/30/26	043026			AP CASH DISBURSEMENTS JOURNAL				
APP 635-111100						CASH				21,000.44
	04/30/2026	04/30/26	043026			AP CASH DISBURSEMENTS JOURNAL				
APP 001-213000						GENERAL - ACCOUNTS PAYABLE			5,394.64	
	04/30/2026	04/30/26	043026			AP CASH DISBURSEMENTS JOURNAL				
APP 407-213000						ACCOUNTS PAYABLE			5,115.42	
	04/30/2026	04/30/26	043026			AP CASH DISBURSEMENTS JOURNAL				
APP 650-213000						ACCOUNTS PAYABLE			4,332.49	
	04/30/2026	04/30/26	043026			AP CASH DISBURSEMENTS JOURNAL				
APP 402-213000						ACCOUNTS PAYABLE			2,279.46	
	04/30/2026	04/30/26	043026			AP CASH DISBURSEMENTS JOURNAL				
APP 403-213000						ACCOUNTS PAYABLE			1,314.32	
	04/30/2026	04/30/26	043026			AP CASH DISBURSEMENTS JOURNAL				
APP 622-213000						ACCOUNTS PAYABLE			150.00	
	04/30/2026	04/30/26	043026			AP CASH DISBURSEMENTS JOURNAL				
						GENERAL LEDGER TOTAL			21,000.44	21,000.44
APP 631-130000						DUE TO/FROM CLEARING			21,000.44	
	04/30/2026	04/30/26	043026							
APP 401-130000						DUE TO/FROM CLEARING				2,414.11
	04/30/2026	04/30/26	043026							
APP 001-130000						GENERAL - DUE TO/FROM CLEARING				5,394.64
	04/30/2026	04/30/26	043026							
APP 407-130000						DUE TO/FROM CLEARING				5,115.42
	04/30/2026	04/30/26	043026							
APP 650-130000						DUE TO/FROM CLEARING				4,332.49
	04/30/2026	04/30/26	043026							
APP 402-130000						DUE TO/FROM CLEARING				2,279.46
	04/30/2026	04/30/26	043026							
APP 403-130000						DUE TO/FROM CLEARING				1,314.32
	04/30/2026	04/30/26	043026							
APP 622-130000						DUE TO/FROM CLEARING				150.00
	04/30/2026	04/30/26	043026							
						SYSTEM GENERATED ENTRIES TOTAL			21,000.44	21,000.44
						JOURNAL 2026/04/324 TOTAL			42,000.88	42,000.88

JOURNAL ENTRIES TO BE CREATED

FUND / ACCOUNT	YEAR	PER	JNL	EFF DATE / ACCOUNT DESCRIPTION	DEBIT	CREDIT
001 GENERAL FUND	2026	4	324	04/30/2026		
001-130000				GENERAL - DUE TO/FROM CLEARING		5,394.64
001-213000				GENERAL - ACCOUNTS PAYABLE	5,394.64	
				FUND TOTAL	5,394.64	5,394.64
401 WATER OPERATING FUND	2026	4	324	04/30/2026		
401-130000				DUE TO/FROM CLEARING		2,414.11
401-213000				ACCOUNTS PAYABLE	2,414.11	
				FUND TOTAL	2,414.11	2,414.11
402 SEWER OPERATING FUND	2026	4	324	04/30/2026		
402-130000				DUE TO/FROM CLEARING		2,279.46
402-213000				ACCOUNTS PAYABLE	2,279.46	
				FUND TOTAL	2,279.46	2,279.46
403 STORM & SURFACE WATER FUND	2026	4	324	04/30/2026		
403-130000				DUE TO/FROM CLEARING		1,314.32
403-213000				ACCOUNTS PAYABLE	1,314.32	
				FUND TOTAL	1,314.32	1,314.32
407 BUILDING & DEVELOPMENT FUND	2026	4	324	04/30/2026		
407-130000				DUE TO/FROM CLEARING		5,115.42
407-213000				ACCOUNTS PAYABLE	5,115.42	
				FUND TOTAL	5,115.42	5,115.42
622 EXPENDABLE TRUST FUND	2026	4	324	04/30/2026		
622-130000				DUE TO/FROM CLEARING		150.00
622-213000				ACCOUNTS PAYABLE	150.00	
				FUND TOTAL	150.00	150.00
631 CLEARING FUND	2026	4	324	04/30/2026		
631-130000				DUE TO/FROM CLEARING	21,000.44	
635-111100				CASH		21,000.44
				FUND TOTAL	21,000.44	21,000.44
650 AGENCY FUND	2026	4	324	04/30/2026		
650-130000				DUE TO/FROM CLEARING		4,332.49
650-213000				ACCOUNTS PAYABLE	4,332.49	
				FUND TOTAL	4,332.49	4,332.49

JOURNAL ENTRIES TO BE CREATED

FUND		DUE TO	DUE FR
001	GENERAL FUND		5,394.64
401	WATER OPERATING FUND		2,414.11
402	SEWER OPERATING FUND		2,279.46
403	STORM & SURFACE WATER FUND		1,314.32
407	BUILDING & DEVELOPMENT FUND		5,115.42
622	EXPENDABLE TRUST FUND		150.00
631	CLEARING FUND	21,000.44	
650	AGENCY FUND		4,332.49
	TOTAL	21,000.44	21,000.44

** END OF REPORT - Generated by Grace Lin **

CASH ACCOUNT: 635 111100 CASH

CHECK NO	CHK DATE	TYPE	VENDOR	NAME	VOUCHER	INVOICE	INV DATE	PO	CHECK RUN	NET
						INVOICE DTL DESC				
7532	04/24/2026	MANL	969	DEPARTMENT OF LICENS	285114	APR26FA	04/21/2026		FAAPR26	399.00
	Invoice: APR26FA					POL/APRIL 2026 CPLS				
					399.00	41654860 586000	CPL GUN PERMIT-STATE SHARE OUT			
							CHECK	7532 TOTAL:		399.00
						NUMBER OF CHECKS 1	*** CASH ACCOUNT TOTAL ***			399.00

	COUNT	AMOUNT
TOTAL MANUAL CHECKS	1	399.00

*** GRAND TOTAL *** 399.00

JOURNAL ENTRIES TO BE CREATED

CLERK: glin

YEAR PER JNL SRC ACCOUNT EFF DATE	JNL DESC	REF 1	REF 2	REF 3	ACCOUNT DESC LINE DESC	T OB	DEBIT	CREDIT
2026 4 330								
APP 650-213000					ACCOUNTS PAYABLE		399.00	
04/24/2026	FAAPR26	042426			AP CASH DISBURSEMENTS JOURNAL			
APP 635-111100					CASH			399.00
04/24/2026	FAAPR26	042426			AP CASH DISBURSEMENTS JOURNAL			
					GENERAL LEDGER TOTAL		399.00	399.00
APP 631-130000					DUE TO/FROM CLEARING		399.00	
04/24/2026	FAAPR26	042426						
APP 650-130000					DUE TO/FROM CLEARING			399.00
04/24/2026	FAAPR26	042426						
					SYSTEM GENERATED ENTRIES TOTAL		399.00	399.00
					JOURNAL 2026/04/330 TOTAL		798.00	798.00

JOURNAL ENTRIES TO BE CREATED

FUND / ACCOUNT	YEAR	PER	JNL	EFF DATE / ACCOUNT DESCRIPTION	DEBIT	CREDIT
631 CLEARING FUND	2026	4	330	04/24/2026		
631-130000				DUE TO/FROM CLEARING	399.00	
635-111100				CASH		399.00
				FUND TOTAL	399.00	399.00
650 AGENCY FUND	2026	4	330	04/24/2026		
650-130000				DUE TO/FROM CLEARING		399.00
650-213000				ACCOUNTS PAYABLE	399.00	
				FUND TOTAL	399.00	399.00

JOURNAL ENTRIES TO BE CREATED

FUND		DUE TO	DUE FR
631	CLEARING FUND	399.00	
650	AGENCY FUND		399.00
	TOTAL	399.00	399.00

** END OF REPORT - Generated by Grace Lin **

05/01/2026 14:01 |CITY OF BAINBRIDGE ISLAND |P 1
glin |A/P CASH DISBURSEMENTS JOURNAL |apcshdsb

CASH ACCOUNT: 635 111100 CASH

CHECK NO	CHK DATE	TYPE	VENDOR	NAME	VOUCHER	INVOICE	INV DATE	PO	CHECK RUN	NET
						INVOICE DTL DESC				
7533	04/27/2026	MANL	124	WA ST DEPT OF REVENU	285034	MAR26	03/31/2026		ETMAR26	20,535.72
Invoice: MAR26						EXCISE TAXES - MAR 2026				
					545.15	91411341 553000	FINANCE - WATER EXTRNL TAXES			
					3,774.23	91421351 553000	FINANCE - SEWER - EXTRNL TAXES			
					10,572.19	91421351 553000	FINANCE - SEWER - EXTRNL TAXES			
					57.53	91411341 553000	FINANCE - WATER EXTRNL TAXES			
					3,161.64	91431383 553000	FINANCE - SSWM - EXTRNL TAXES			
					10,322.48	91411341 553000	FINANCE - WATER EXTRNL TAXES			
					-9,556.20	91411341 553000	FINANCE - WATER EXTRNL TAXES			
					903.15	91421351 553000	FINANCE - SEWER - EXTRNL TAXES			
					82.66	81011881 54110001398	WEBSITE UPDATE - PROF SVCS			
					672.89	53011212 531100	PD-C/E-PATROL SUPPLIES			
								CHECK	7533 TOTAL:	20,535.72
						NUMBER OF CHECKS 1		*** CASH ACCOUNT TOTAL ***		20,535.72

	COUNT	AMOUNT
TOTAL MANUAL CHECKS	1	20,535.72

*** GRAND TOTAL *** 20,535.72

JOURNAL ENTRIES TO BE CREATED

CLERK: glin

YEAR PER JNL / SRC ACCOUNT / EFF DATE	JNL DESC	REF 1	REF 2	REF 3	ACCOUNT DESC / LINE DESC	T	OB	DEBIT	CREDIT
2026 4 331									
APP 401-213000					ACCOUNTS PAYABLE			1,368.96	
04/27/2026	ETMAR26	042726			AP CASH DISBURSEMENTS JOURNAL				
APP 635-111100					CASH				20,535.72
04/27/2026	ETMAR26	042726			AP CASH DISBURSEMENTS JOURNAL				
APP 402-213000					ACCOUNTS PAYABLE			15,249.57	
04/27/2026	ETMAR26	042726			AP CASH DISBURSEMENTS JOURNAL				
APP 403-213000					ACCOUNTS PAYABLE			3,161.64	
04/27/2026	ETMAR26	042726			AP CASH DISBURSEMENTS JOURNAL				
APP 001-213000					GENERAL - ACCOUNTS PAYABLE			755.55	
04/27/2026	ETMAR26	042726			AP CASH DISBURSEMENTS JOURNAL				
					GENERAL LEDGER TOTAL			20,535.72	20,535.72
APP 631-130000					DUE TO/FROM CLEARING			20,535.72	
04/27/2026	ETMAR26	042726							
APP 401-130000					DUE TO/FROM CLEARING				1,368.96
04/27/2026	ETMAR26	042726							
APP 402-130000					DUE TO/FROM CLEARING				15,249.57
04/27/2026	ETMAR26	042726							
APP 403-130000					DUE TO/FROM CLEARING				3,161.64
04/27/2026	ETMAR26	042726							
APP 001-130000					GENERAL - DUE TO/FROM CLEARING				755.55
04/27/2026	ETMAR26	042726							
					SYSTEM GENERATED ENTRIES TOTAL			20,535.72	20,535.72
					JOURNAL 2026/04/331 TOTAL			41,071.44	41,071.44

JOURNAL ENTRIES TO BE CREATED

FUND / ACCOUNT	YEAR	PER	JNL	EFF DATE / ACCOUNT DESCRIPTION	DEBIT	CREDIT
001 GENERAL FUND	2026	4	331	04/27/2026		
001-130000				GENERAL - DUE TO/FROM CLEARING		755.55
001-213000				GENERAL - ACCOUNTS PAYABLE	755.55	
				FUND TOTAL	755.55	755.55
401 WATER OPERATING FUND	2026	4	331	04/27/2026		
401-130000				DUE TO/FROM CLEARING		1,368.96
401-213000				ACCOUNTS PAYABLE	1,368.96	
				FUND TOTAL	1,368.96	1,368.96
402 SEWER OPERATING FUND	2026	4	331	04/27/2026		
402-130000				DUE TO/FROM CLEARING		15,249.57
402-213000				ACCOUNTS PAYABLE	15,249.57	
				FUND TOTAL	15,249.57	15,249.57
403 STORM & SURFACE WATER FUND	2026	4	331	04/27/2026		
403-130000				DUE TO/FROM CLEARING		3,161.64
403-213000				ACCOUNTS PAYABLE	3,161.64	
				FUND TOTAL	3,161.64	3,161.64
631 CLEARING FUND	2026	4	331	04/27/2026		
631-130000				DUE TO/FROM CLEARING	20,535.72	
635-111100				CASH		20,535.72
				FUND TOTAL	20,535.72	20,535.72

JOURNAL ENTRIES TO BE CREATED

FUND		DUE TO	DUE FR
001	GENERAL FUND		755.55
401	WATER OPERATING FUND		1,368.96
402	SEWER OPERATING FUND		15,249.57
403	STORM & SURFACE WATER FUND		3,161.64
631	CLEARING FUND	20,535.72	
	TOTAL	20,535.72	20,535.72

** END OF REPORT - Generated by Grace Lin **

05/01/2026 14:05 | CITY OF BAINBRIDGE ISLAND | P 1
glin | A/P CASH DISBURSEMENTS JOURNAL | apcshdsb

CASH ACCOUNT: 635 111100 CASH

CHECK NO	CHK DATE	TYPE	VENDOR	NAME	VOUCHER	INVOICE	INV DATE	PO	CHECK RUN	NET
							INVOICE DTL DESC			
7534	04/30/2026	MANL	103	CITY OF BAINBRIDGE I	285101	10717APR26	04/01/2026		UBAPR26	20.52
Invoice: 10717APR26							1270 MADISON LIBRARY			
					20.52	91011722 547500	GG-C/E-LIBRARY-COBI WTR/SWR			
					285102	10727APR26	04/01/2026		UBAPR26	1,632.90
Invoice: 10727APR26							1270 MADISON LIBRARY			
					1,632.90	91011722 547500	GG-C/E-LIBRARY-COBI WTR/SWR			
					285103	11015APR26	04/01/2026		UBAPR26	1,739.03
Invoice: 11015APR26							1220 DONALD PLACE			
					1,739.03	91425358 547500	GG-WWTP-WATER/SEWER			
					285104	11806APR26	04/01/2026		UBAPR26	20.52
Invoice: 11806APR26							MADISON & HIGH SCHOOL IRRIGATION			
					20.52	91011768 547500	GG-C/E-PARKS-WTR/SWR			
					285105	11982APR26	04/01/2026		UBAPR26	1,292.99
Invoice: 11982APR26							280 MADISON AVENUE N			
					1,292.99	91011189 547500	GG-C/E-CITY HALL-COBI WTR/SWR			
					285106	11983APR26	04/01/2026		UBAPR26	37.82
Invoice: 11983APR26							CITY HALL IRRIGATION METER			
					37.82	91011189 547500	GG-C/E-CITY HALL-COBI WTR/SWR			
					285107	12754APR26	04/01/2026		UBAPR26	20.52
Invoice: 12754APR26							BLACKBIRD IRRIGATION METER			
					20.52	91011768 547500	GG-C/E-PARKS-WTR/SWR			
					285108	12893APR26	04/01/2026		UBAPR26	1,149.87
Invoice: 12893APR26							8804 MADISON AVE N			
					702.70	91011215 547500	GG-C/E-PD-COBI WTR/SWR			
					447.17	91011255 547500	GG-C/E-COURT BLDG-WTR/SWR			
					285109	12894APR26	04/01/2026		UBAPR26	26.98
Invoice: 12894APR26							8804 MADISON AVE N			
					16.49	91011215 547500	GG-C/E-PD-COBI WTR/SWR			
					10.49	91011255 547500	GG-C/E-COURT BLDG-WTR/SWR			
					285110	13145APR26	04/01/2026		UBAPR26	20.52
Invoice: 13145APR26							HWY 305 - STO TRAIL			
					20.52	91111262 547500	GG-STREETS-TRAILS-CITY WTR/SWR			
					285111	13227APR26	04/01/2026		UBAPR26	37.82
Invoice: 13227APR26							OLYMPIC DR SE			
					37.82	91111262 547500	GG-STREETS-TRAILS-CITY WTR/SWR			
					285112	13291APR26	04/01/2026		UBAPR26	50.82
Invoice: 13291APR26							OLYMPIC IMPROVEMENT METER			
					50.82	91111262 547500	GG-STREETS-TRAILS-CITY WTR/SWR			

CHECK 7534 TOTAL: 6,050.31

NUMBER OF CHECKS 1 *** CASH ACCOUNT TOTAL *** 6,050.31

	COUNT	AMOUNT
TOTAL MANUAL CHECKS	1	6,050.31

*** GRAND TOTAL *** 6,050.31

JOURNAL ENTRIES TO BE CREATED

CLERK: glin

YEAR PER JNL SRC ACCOUNT EFF DATE	JNL DESC	REF 1	REF 2	REF 3	ACCOUNT DESC LINE DESC	T OB	DEBIT	CREDIT
2026 4 332								
APP 001-213000					GENERAL - ACCOUNTS PAYABLE		4,202.12	
04/30/2026	UBAPR26	043026			AP CASH DISBURSEMENTS JOURNAL			
APP 635-111100					CASH			6,050.31
04/30/2026	UBAPR26	043026			AP CASH DISBURSEMENTS JOURNAL			
APP 402-213000					ACCOUNTS PAYABLE		1,739.03	
04/30/2026	UBAPR26	043026			AP CASH DISBURSEMENTS JOURNAL			
APP 101-213000					STREETS - ACCOUNTS PAYABLE		109.16	
04/30/2026	UBAPR26	043026			AP CASH DISBURSEMENTS JOURNAL			
					GENERAL LEDGER TOTAL		6,050.31	6,050.31
APP 631-130000					DUE TO/FROM CLEARING		6,050.31	
04/30/2026	UBAPR26	043026						
APP 001-130000					GENERAL - DUE TO/FROM CLEARING			4,202.12
04/30/2026	UBAPR26	043026						
APP 402-130000					DUE TO/FROM CLEARING			1,739.03
04/30/2026	UBAPR26	043026						
APP 101-130000					STREETS - DUE TO/FROM CLEARING			109.16
04/30/2026	UBAPR26	043026						
					SYSTEM GENERATED ENTRIES TOTAL		6,050.31	6,050.31
					JOURNAL 2026/04/332 TOTAL		12,100.62	12,100.62

JOURNAL ENTRIES TO BE CREATED

FUND / ACCOUNT	YEAR	PER	JNL	EFF DATE / ACCOUNT DESCRIPTION	DEBIT	CREDIT
001 GENERAL FUND	2026	4	332	04/30/2026		
001-130000				GENERAL - DUE TO/FROM CLEARING		4,202.12
001-213000				GENERAL - ACCOUNTS PAYABLE	4,202.12	
				FUND TOTAL	4,202.12	4,202.12
101 STREET FUND	2026	4	332	04/30/2026		
101-130000				STREETS - DUE TO/FROM CLEARING		109.16
101-213000				STREETS - ACCOUNTS PAYABLE	109.16	
				FUND TOTAL	109.16	109.16
402 SEWER OPERATING FUND	2026	4	332	04/30/2026		
402-130000				DUE TO/FROM CLEARING		1,739.03
402-213000				ACCOUNTS PAYABLE	1,739.03	
				FUND TOTAL	1,739.03	1,739.03
631 CLEARING FUND	2026	4	332	04/30/2026		
631-130000				DUE TO/FROM CLEARING	6,050.31	
635-111100				CASH		6,050.31
				FUND TOTAL	6,050.31	6,050.31

JOURNAL ENTRIES TO BE CREATED

FUND		DUE TO	DUE FR
001	GENERAL FUND		4,202.12
101	STREET FUND		109.16
402	SEWER OPERATING FUND		1,739.03
631	CLEARING FUND	6,050.31	
	TOTAL	6,050.31	6,050.31

** END OF REPORT - Generated by Grace Lin **

CASH ACCOUNT: 635 111100 CASH

CHECK NO	CHK DATE	TYPE	VENDOR	NAME	VOUCHER	INVOICE	INV DATE	PO	CHECK RUN	NET
							INVOICE DTL DESC			
7535	05/01/2026	EFT	10703	AAR TESTING LABORATO	285039	112799	02/28/2026		04/30/26	432.00
Invoice: 112799							ENG/ON-CALL TESTING PROF SVCS - 00988 WINS WTR TNK			
					432.00	72413434 64110000988	NEW WATER TANKS-PROF SVCS			
					285040	112800	02/28/2026		04/30/26	2,652.00
Invoice: 112800							ENG/ON-CALL TESTING PROF SVCS - 00968 EH/WW NMI			
					2,652.00	72334562 64110000968	C40-EAGLE HARBOR PH1-PROF SVCS			
								CHECK	7535 TOTAL:	3,084.00
7536	05/01/2026	EFT	2476	BISCC	285045	2026-Q1 HSF	04/10/2026		04/30/26	11,875.00
Invoice: 2026-Q1 HSF							EX/2025-2026 HUMAN SERVICES FUNDING			
					11,875.00	31017690 54110000297	SEN CENTER-OPER SUPPORT			
								CHECK	7536 TOTAL:	11,875.00
7537	05/01/2026	EFT	5202	BAINBRIDGE ARTS & CR	285041	2026-Q1.3	04/08/2026		04/30/26	883.33
Invoice: 2026-Q1.3							EX/2026-2027 CULTURAL FUNDING			
					883.33	31011732 54110000297	EX-GF-CULTURAL ARTS & SCIENCES			
								CHECK	7537 TOTAL:	883.33
7538	05/01/2026	EFT	64	BAINBRIDGE ISLAND AR	285043	2026-Q1 PAC	04/07/2026		04/30/26	4,000.00
Invoice: 2026-Q1 PAC							EX/2026-2028 PUBLIC ART COMMITTEE ADMINISTRATION			
					4,000.00	31024759 54110200297	PUBLIC ART-MNGT SVCS			
					285044	2026-Q1	04/07/2026		04/30/26	2,500.00
Invoice: 2026-Q1							EX/ENG CONF ROOM ART INSTALLATION APR26			
					2,500.00	31024759 54110000297	PUBLIC ART			
								CHECK	7538 TOTAL:	6,500.00
7539	05/01/2026	EFT	10423	BLUEALLY TECHNOLOGY	285046	INV64458	12/10/2025		04/30/26	26,514.59
Invoice: INV64458							IT/BARRACUDA EMAIL ARCHIVING APPLIANCE & SUPPORT			
					17,799.33	81011881 535500	IT - C/E COMPUTER PARTS & EQ			
					4,815.33	81011881 548500	IT - C/E COMPUTER SUPPORT			
					3,899.93	81011881 541100	IT - C/E PROF SERVICES			
								CHECK	7539 TOTAL:	26,514.59
7540	05/01/2026	EFT	360	BUILDERS FIRSTSOURCE	285050	101195258	03/31/2026		04/30/26	31.26
Invoice: 101195258							PW/WO 24512 - CONCRETE MIX, REBAR			
					31.26	73111261 531100	OFFICE SUPPLIES			
					285051	101203491	04/01/2026		04/30/26	26.18
Invoice: 101203491							PW/WO 24512 - 9GAL ALL-PURPOSE TUB			
					26.18	73111261 531100	OFFICE SUPPLIES			

CASH ACCOUNT: 635 111100 CASH

CHECK NO	CHK DATE	TYPE	VENDOR	NAME	VOUCHER	INVOICE	INV DATE	PO	CHECK RUN	NET
							INVOICE DTL DESC			
					285052	101227315	04/08/2026		04/30/26	4.35
	Invoice: 101227315						PW/WO 24506 - CHIP BRUSH X2			
					4.35	73111264 531100	O&M-STREET-TRAF CONTROL-SUPPLY			
							CHECK	7540 TOTAL:		61.79
7541	05/01/2026	EFT	104	CITY OF BREMERTON	285055	BKAT001014	04/03/2026		04/30/26	2,833.33
	Invoice: BKAT001014						IT/BROADCAST OF CITY MEETINGS MAR26			
					2,833.33	81011881 542420	IT-C/E-TELEVISTED COUNCIL MEET			
							CHECK	7541 TOTAL:		2,833.33
7542	05/01/2026	EFT	6639	CITY OF FORKS	285056	3531	04/01/2026		04/30/26	1,823.58
	Invoice: 3531						POL/PRISONER BOARD			
					1,823.58	51011236 551000	POLICE - C/E PRISONER DETENT'N			
							CHECK	7542 TOTAL:		1,823.58
7543	05/01/2026	EFT	7823	CIVICPLUS, LLC	285057	360427	03/01/2026		04/30/26	5,042.06
	Invoice: 360427						IT/SOCIAL MEDIA ARCHIVING SUB 3/1/2026-2/28/2027			
					5,042.06	81011881 548500	IT - C/E COMPUTER SUPPORT			
							CHECK	7543 TOTAL:		5,042.06
7544	05/01/2026	EFT	8691	ROBERT DAVY	285075	04/22/2026	04/22/2026		04/30/26	200.00
	Invoice: 04/22/2026						CRT/JUDGE PRO TEMPORE 04/21/26			
					200.00	21011125 541210	COURT-JUDGE PRO TEMPORE SVCS			
							CHECK	7544 TOTAL:		200.00
7545	05/01/2026	EFT	1953	FERGUSON ENTERPRISES	285059	0303261	01/07/2026		04/30/26	98.24
	Invoice: 0303261						PW/WO 25562 - FLANGE ACCESSORY KIT X2			
					98.24	73411345 531100	OFFICE SUPPLIES			
							CHECK	7545 TOTAL:		98.24
7546	05/01/2026	EFT	513	GRAINGER	285060	9870862225	04/07/2026		04/30/26	163.22
	Invoice: 9870862225						PW/WO 25606 - SHRINK TUBING KIT, THREADLOCKER			
					163.22	73421355 531100	WIN COLL-SUPPLIES			
					285061	9872840369	04/08/2026		04/30/26	212.42
	Invoice: 9872840369						PW/WO 25606, 24557 - VIBRATION ISOLATION MOUNT X6			
					106.21	73421355 531100	WIN COLL-SUPPLIES			
					106.21	73421355 531100	WIN COLL-SUPPLIES			

CASH ACCOUNT: 635 111100 CASH

CHECK NO	CHK DATE	TYPE	VENDOR	NAME	VOUCHER	INVOICE	INV DATE	PO	CHECK RUN	NET
							INVOICE DTL DESC			
					285062	9873998943	04/09/2026		04/30/26	67.97
	Invoice: 9873998943						PW/WO 24572 - RAKE, EXTENSION CORD			
					67.97	73425358 531100	O&M-WWTP-SUPPLIES			
							CHECK	7546 TOTAL:		443.61
7547	05/01/2026	EFT	10684	GRIMCO INC	285063	35384200-01	04/08/2026		04/30/26	81.37
	Invoice: 35384200-01						PW/WO 24506 - 100 YD BRITELINE APPLICATION TAPE			
					81.37	73111264 531100	O&M-STREET-TRAF CONTROL-SUPPLY			
					285064	35384200-02	04/09/2026		04/30/26	1,405.23
	Invoice: 35384200-02						PW/WO 24506 - 3M GRAPHIC FILM			
					1,405.23	73111264 531100	O&M-STREET-TRAF CONTROL-SUPPLY			
							CHECK	7547 TOTAL:		1,486.60
7548	05/01/2026	EFT	7180	HELPLINE HOUSE	285065	2026-Q1	04/10/2026		04/30/26	27,547.46
	Invoice: 2026-Q1						EX/2025-2026 HUMAN SERVICES FUNDING			
					27,547.46	31017122 54110000297	HELPLINE HOUSE FOOD BANK			
							CHECK	7548 TOTAL:		27,547.46
7549	05/01/2026	EFT	7184	ISLAND VOLUNTEER CAR	285066	2026-Q1	03/31/2026		04/30/26	10,382.50
	Invoice: 2026-Q1						EX/2025-2026 HUMAN SERVICES FUNDING			
					10,382.50	31017690 54110000297	SEN CENTER-OPER SUPPORT			
							CHECK	7549 TOTAL:		10,382.50
7550	05/01/2026	EFT	5532	ISLANDER RESIDENTS A	285088	REFUND-WPCCDEP APR26	04/24/2026		04/30/26	150.00
	Invoice: REFUND-WPCCDEP APR26						WPCC DEPOSIT REFUND - EVENT 04/23/26			
					150.00	41625860 586000	SC/COMMONS ROOM DEP-DISBURSEME			
							CHECK	7550 TOTAL:		150.00
7551	05/01/2026	EFT	10797	JOHANSEN CONSTRUCTIO	285067	PAYREQ6-00968-01415	04/21/2026		04/30/26	375,131.27
	Invoice: PAYREQ6-00968-01415						ENG/CONSTRUCTION: EH DR & WW SAFETY IMP			
					375,131.27	72334562 66300000968	C40-EAGLE HARBOR PH1-CONSTR			
							CHECK	7551 TOTAL:		375,131.27
7552	05/01/2026	EFT	10029	BRAZEAU, MARK	285047	PQYREQ1-2026-00510	04/24/2026		04/30/26	3,810.24
	Invoice: PQYREQ1-2026-00510						PW/2025-2027 BACKFLOW CONTRACT TESTING			
					3,810.24	73411349 54110000510	BACKFLOW TEST-PRO SVCS			

CASH ACCOUNT: 635 111100 CASH

CHECK NO	CHK DATE	TYPE	VENDOR	NAME	VOUCHER	INVOICE	INV DATE	PO	CHECK RUN	NET
							INVOICE DTL DESC			
							CHECK		7552 TOTAL:	3,810.24
7553	05/01/2026	EFT	10360	MERCHANT PATROL SECU	285069	4781	04/04/2026		04/30/26	1,179.01
Invoice: 4781							CRT/COURT SECURITY MAR26			
					1,179.01	21011125 541100	COURT-PROF SERVICES			
							CHECK		7553 TOTAL:	1,179.01
7554	05/01/2026	EFT	6333	PETROCARD INC.	285070	0584266-IN	04/02/2026	20250007	04/30/26	4,358.09
Invoice: 0584266-IN							PW/FUEL PURCHASES OFF WA STATE DES CONTRACT 08721			
					1,886.36	73638893 532000	O&M-FUEL USE-ALLOCATION			
					2,471.73	73638932 532000	O&M-FUEL ALLOC TO OTH DEPTS			
							CHECK		7554 TOTAL:	4,358.09
7555	05/01/2026	EFT	7563	PUMPTECH INC	285072	19191	03/16/2026	20250047	04/30/26	15,342.60
Invoice: 19191							PW/CORNELL MODEL PUMP FOR ISLAND TERRACE SLS			
					15,342.60	73421358 548100	O&M - SEWER OPNS REPAIRS			
							CHECK		7555 TOTAL:	15,342.60
7556	05/01/2026	EFT	5612	RH2 ENGINEERING INC	285074	106209	04/15/2026		04/30/26	5,015.33
Invoice: 106209							ENG/DESIGN STANDARDS UPDATE			
					1,253.83	72111444 54110001052	DEV STANDARDS-STRT-PROF SVCS			
					1,253.83	72411342 54110001052	DEV STANDARDS-WTR-PROF SVCS			
					1,253.83	72421352 54110001052	DEV STANDARDS-SWR-PROF SVCS			
					1,253.84	72431832 54110001052	DEV STANDARDS-SSWM-PROF SVCS			
							CHECK		7556 TOTAL:	5,015.33
7557	05/01/2026	EFT	10960	RYAN HERCO PRODUCTS	285076	B542105	02/12/2026		04/30/26	90.94
Invoice: B542105							PW/WO 25207 - PVC UNION NUT			
					90.94	73011757 531100	O&M-C/E-MARINA-SUPPLIES			
							CHECK		7557 TOTAL:	90.94
7558	05/01/2026	EFT	6010	SAFE BOATS INTERNATI	285077	DI33083	04/09/2026		04/30/26	4,567.64
Invoice: DI33083							POL/WINDOWS FOR MARINE 8			
					4,567.64	54025212 548100	MARINE - REPAIRS			
							CHECK		7558 TOTAL:	4,567.64
7559	05/01/2026	EFT	9584	SILKE COMMUNICATIONS	285078	INV-32001620	01/23/2026		04/30/26	176.54
Invoice: INV-32001620							PW/EXTERNAL SPEAKER X2			
					176.54	73638935 531100	O&M-STD ALLOCATION-SUPPLIES			

CASH ACCOUNT: 635 111100 CASH

CHECK NO	CHK DATE	TYPE	VENDOR	NAME	VOUCHER	INVOICE	INV DATE	PO	CHECK RUN	NET
						INVOICE DTL DESC				
							CHECK	7559 TOTAL:		176.54
7560	05/01/2026	EFT	7173	SKILLINGS	285090	15061	04/08/2026		04/30/26	3,324.54
	Invoice: 15061						ENG/Engineering Design Services fo			
					3,324.54	72423434 64110001425	W EAGLE HBR SWR COMPLEX PRFSVC			
							CHECK	7560 TOTAL:		3,324.54
7561	05/01/2026	EFT	8132	SPECTRA LABORATORIES	285079	26-02166	04/07/2026		04/30/26	300.00
	Invoice: 26-02166						PW/TESTING - NEW HIGH SCHOOL RESERVOIR			
					300.00	73411345 54110000391	LAB SVCS-WATER			
					285080	26-02169	04/07/2026		04/30/26	162.00
	Invoice: 26-02169						PW/TESTING - WWTP			
					162.00	73425358 54110000391	LAB & TESTING SVCS-WWTP			
					285081	26-02171	04/07/2026		04/30/26	162.00
	Invoice: 26-02171						PW/TESTING - WWTP			
					162.00	73425358 54110000391	LAB & TESTING SVCS-WWTP			
					285082	6-02196	04/07/2026		04/30/26	78.00
	Invoice: 6-02196						PW/TESTING - 10985 ROLLING BAY WALK			
					78.00	73011897 54110000391	LAB SVCS-PWY FAC			
					285083	26-02229	04/09/2026		04/30/26	162.00
	Invoice: 26-02229						PW/TESTING - WWTP			
					162.00	73425358 54110000391	LAB & TESTING SVCS-WWTP			
					285084	26-02235	04/09/2026		04/30/26	234.00
	Invoice: 26-02235						PW/TESTING - HEAD OF THE BAY WELL			
					234.00	73411345 54110000391	LAB SVCS-WATER			
					285085	26-02277	04/09/2026		04/30/26	162.00
	Invoice: 26-02277						PW/TESTING - WWTP			
					162.00	73425358 54110000391	LAB & TESTING SVCS-WWTP			
							CHECK	7561 TOTAL:		1,260.00
7562	05/01/2026	EFT	565	TACOMA SCREW PRODUCT	285091	140170487-00	04/15/2026		04/30/26	250.31
	Invoice: 140170487-00						PW/SHOP SUPPLIES			
					250.31	73638935 531100	O&M-STD ALLOCATION-SUPPLIES			
							CHECK	7562 TOTAL:		250.31
7563	05/01/2026	EFT	9295	TOOLE DESIGN GROUP,	285093	0SEA00501_02	02/17/2026		04/30/26	11,897.00
	Invoice: 0SEA00501_02						ENG/PROFESSIONAL SERVICE AGREEMENT			
					11,897.00	72334562 64110000723	C40-BUCKLIN PH2-DESIGN-PROF SV			

CASH ACCOUNT: 635 111100 CASH

CHECK NO	CHK DATE	TYPE	VENDOR	NAME	VOUCHER	INVOICE	INV DATE	PO	CHECK RUN	NET
							INVOICE DTL DESC			
					285094	OSEA00501_4	04/14/2026		04/30/26	17,734.85
	Invoice: OSEA00501_4						ENG/PROFESSIONAL SERVICE AGREEMENT			
					17,734.85	72334562 64110000723	C40-BUCKLIN PH2-DESIGN-PROF SV			
								CHECK	7563 TOTAL:	29,631.85
7564	05/01/2026	EFT	9769	TRANSPO GROUP USA, I	285095	37342	04/06/2026		04/30/26	1,868.75
	Invoice: 37342						EX/ADA TRANSITION PLAN PHASE II			
					1,868.75	31011255 54110001377	EXEC-ADA TRANS PLAN PROF SVCS			
					285096	37432	04/20/2026		04/30/26	2,849.62
	Invoice: 37432						EX/ADA TRANSITION PLAN PHASE II			
					2,849.62	31011255 54110001377	EXEC-ADA TRANS PLAN PROF SVCS			
								CHECK	7564 TOTAL:	4,718.37
7565	05/01/2026	EFT	9420	UNITED BLOWER, INC	285097	4300-4967	04/03/2026		04/30/26	990.00
	Invoice: 4300-4967						PW/WO 24572 - PRESSURE RELIEF VALVE			
					990.00	73425358 531100	O&M-WWTP-SUPPLIES			
								CHECK	7565 TOTAL:	990.00
7566	05/01/2026	EFT	7821	VESTIS	285098	5120861509	04/07/2026		04/30/26	32.76
	Invoice: 5120861509						PW/SHOP TOWELS			
					32.76	73638935 531100	O&M-STD ALLOCATION-SUPPLIES			
								CHECK	7566 TOTAL:	32.76
7567	05/01/2026	EFT	4104	WA ST FERRIES	285099	RK461119	03/31/2026		04/30/26	165.85
	Invoice: RK461119						WAVE2GO FERRY CHARGES MAR26			
					154.80	61011581 543100	PCD - C/E ADMIN TRAVEL EXPENSE			
					11.05	72011321 543100	ENG - C/E ADMIN TRAVEL EXPENSE			
								CHECK	7567 TOTAL:	165.85

NUMBER OF CHECKS 33 *** CASH ACCOUNT TOTAL *** 548,971.43

	COUNT	AMOUNT
TOTAL EFT'S	33	548,971.43

*** GRAND TOTAL *** 548,971.43

JOURNAL ENTRIES TO BE CREATED

CLERK: glin

YEAR PER JNL / SRC ACCOUNT / EFF DATE	JNL DESC	REF 1	REF 2	REF 3	ACCOUNT DESC / LINE DESC	T	OB	DEBIT	CREDIT
2026 5 3									
APP 401-213000					ACCOUNTS PAYABLE			6,128.31	
05/01/2026	04/30/26	050126			AP CASH DISBURSEMENTS JOURNAL				
APP 635-111100					CASH				548,971.43
05/01/2026	04/30/26	050126			AP CASH DISBURSEMENTS JOURNAL				
APP 301-213000					ACCOUNTS PAYABLE			407,415.12	
05/01/2026	04/30/26	050126			AP CASH DISBURSEMENTS JOURNAL				
APP 001-213000					GENERAL - ACCOUNTS PAYABLE			104,401.66	
05/01/2026	04/30/26	050126			AP CASH DISBURSEMENTS JOURNAL				
APP 101-213000					STREETS - ACCOUNTS PAYABLE			2,802.22	
05/01/2026	04/30/26	050126			AP CASH DISBURSEMENTS JOURNAL				
APP 402-213000					ACCOUNTS PAYABLE			22,002.58	
05/01/2026	04/30/26	050126			AP CASH DISBURSEMENTS JOURNAL				
APP 622-213000					ACCOUNTS PAYABLE			150.00	
05/01/2026	04/30/26	050126			AP CASH DISBURSEMENTS JOURNAL				
APP 631-213000					ACCOUNTS PAYABLE			4,817.70	
05/01/2026	04/30/26	050126			AP CASH DISBURSEMENTS JOURNAL				
APP 403-213000					ACCOUNTS PAYABLE			1,253.84	
05/01/2026	04/30/26	050126			AP CASH DISBURSEMENTS JOURNAL				
					GENERAL LEDGER TOTAL			548,971.43	548,971.43
APP 631-130000					DUE TO/FROM CLEARING			544,153.73	
05/01/2026	04/30/26	050126							
APP 401-130000					DUE TO/FROM CLEARING				6,128.31
05/01/2026	04/30/26	050126							
APP 301-130000					DUE TO/FROM CLEARING				407,415.12
05/01/2026	04/30/26	050126							
APP 001-130000					GENERAL - DUE TO/FROM CLEARING				104,401.66
05/01/2026	04/30/26	050126							
APP 101-130000					STREETS - DUE TO/FROM CLEARING				2,802.22
05/01/2026	04/30/26	050126							
APP 402-130000					DUE TO/FROM CLEARING				22,002.58
05/01/2026	04/30/26	050126							
APP 622-130000					DUE TO/FROM CLEARING				150.00
05/01/2026	04/30/26	050126							
APP 403-130000					DUE TO/FROM CLEARING				1,253.84
05/01/2026	04/30/26	050126							
					SYSTEM GENERATED ENTRIES TOTAL			544,153.73	544,153.73
					JOURNAL 2026/05/3 TOTAL			1,093,125.16	1,093,125.16

JOURNAL ENTRIES TO BE CREATED

FUND / ACCOUNT	YEAR	PER	JNL	EFF DATE / ACCOUNT DESCRIPTION	DEBIT	CREDIT
001 GENERAL FUND	2026	5	3	05/01/2026		
001-130000				GENERAL - DUE TO/FROM CLEARING		104,401.66
001-213000				GENERAL - ACCOUNTS PAYABLE	104,401.66	
				FUND TOTAL	104,401.66	104,401.66
101 STREET FUND	2026	5	3	05/01/2026		
101-130000				STREETS - DUE TO/FROM CLEARING		2,802.22
101-213000				STREETS - ACCOUNTS PAYABLE	2,802.22	
				FUND TOTAL	2,802.22	2,802.22
301 CAPITAL CONSTRUCTION FUND	2026	5	3	05/01/2026		
301-130000				DUE TO/FROM CLEARING		407,415.12
301-213000				ACCOUNTS PAYABLE	407,415.12	
				FUND TOTAL	407,415.12	407,415.12
401 WATER OPERATING FUND	2026	5	3	05/01/2026		
401-130000				DUE TO/FROM CLEARING		6,128.31
401-213000				ACCOUNTS PAYABLE	6,128.31	
				FUND TOTAL	6,128.31	6,128.31
402 SEWER OPERATING FUND	2026	5	3	05/01/2026		
402-130000				DUE TO/FROM CLEARING		22,002.58
402-213000				ACCOUNTS PAYABLE	22,002.58	
				FUND TOTAL	22,002.58	22,002.58
403 STORM & SURFACE WATER FUND	2026	5	3	05/01/2026		
403-130000				DUE TO/FROM CLEARING		1,253.84
403-213000				ACCOUNTS PAYABLE	1,253.84	
				FUND TOTAL	1,253.84	1,253.84
622 EXPENDABLE TRUST FUND	2026	5	3	05/01/2026		
622-130000				DUE TO/FROM CLEARING		150.00
622-213000				ACCOUNTS PAYABLE	150.00	
				FUND TOTAL	150.00	150.00
631 CLEARING FUND	2026	5	3	05/01/2026		
631-130000				DUE TO/FROM CLEARING	544,153.73	
631-213000				ACCOUNTS PAYABLE	4,817.70	
635-111100				CASH		548,971.43
				FUND TOTAL	548,971.43	548,971.43

JOURNAL ENTRIES TO BE CREATED

FUND		DUE TO	DUE FR
001	GENERAL FUND		104,401.66
101	STREET FUND		2,802.22
301	CAPITAL CONSTRUCTION FUND		407,415.12
401	WATER OPERATING FUND		6,128.31
402	SEWER OPERATING FUND		22,002.58
403	STORM & SURFACE WATER FUND		1,253.84
622	EXPENDABLE TRUST FUND		150.00
631	CLEARING FUND	544,153.73	
	TOTAL	544,153.73	544,153.73

** END OF REPORT - Generated by Grace Lin **

MANUAL CHECK - RETAINAGE RELEASE 04/30/26

CASH ACCOUNT: 628 111100 CASH-RETAINAGE

CHECK NO	CHK DATE	TYPE	VENDOR	NAME	VOUCHER	INVOICE	INV DATE	PO	CHECK RUN	NET
						INVOICE DTL DESC				
249	04/30/2026	PRTD	7726	AIR MANAGEMENT SOLUT	285113	RETREL1-00770	04/27/2026		RT043026	3,834.39
Invoice: RETREL1-00770					3,834.39	41628860 586000	RET REL - CITY HALL HVAC REPLACEMENT (PO 20250034) RETAINAGE RELEASE			

CHECK 249 TOTAL: 3,834.39

NUMBER OF CHECKS 1 *** CASH ACCOUNT TOTAL *** 3,834.39

	COUNT	AMOUNT
TOTAL PRINTED CHECKS	1	3,834.39

*** GRAND TOTAL *** 3,834.39

JOURNAL ENTRIES TO BE CREATED

CLERK: glin

YEAR PER JNL SRC ACCOUNT EFF DATE	JNL DESC	REF 1	REF 2	REF 3	ACCOUNT DESC LINE DESC	T	OB	DEBIT	CREDIT
2026 4 326									
APP 622-213000					ACCOUNTS PAYABLE			3,834.39	
04/30/2026	RT043026	043026			AP CASH DISBURSEMENTS JOURNAL				
APP 628-111100					CASH-RETAINAGE				3,834.39
04/30/2026	RT043026	043026			AP CASH DISBURSEMENTS JOURNAL				
					JOURNAL 2026/04/326	TOTAL		3,834.39	3,834.39

JOURNAL ENTRIES TO BE CREATED

FUND / ACCOUNT	YEAR	PER	JNL	EFF DATE / ACCOUNT DESCRIPTION	DEBIT	CREDIT
622 EXPENDABLE TRUST FUND	2026	4	326	04/30/2026		
622-213000				ACCOUNTS PAYABLE	3,834.39	
628-111100				CASH-RETAINAGE		3,834.39
				FUND TOTAL	3,834.39	3,834.39

** END OF REPORT - Generated by Grace Lin **

CITY OF
BAINBRIDGE ISLAND

PAYROLL REPORT TO CITY COUNCIL OF CASH DISBURSEMENTS

5/5/2026

Run Type	Date	Check # Sequence	Comments	Amount
Normal	5/5/2026	68049 - 68191	Regular check run (Direct Dep)	440,570.19
EFTPS	5/5/2026	EFTPS	Federal Tax Electronic Transfer	166,125.59
EFT	5/5/2026	ACH	Health Savings Account	15,616.25
EFT	5/5/2026	ACH	Flexible Spending Account	2,968.41
EFT	5/5/2026	ACH	DSHS	502.08
Normal	5/5/2026	110865 - 110871	Vendor check run (Paper Checks)	380,865.33
			TOTAL:	**$ 1,006,647.85**

Prepared and Reviewed by: _____ Date 05/06/2026
DeAnna Cole, Payroll Specialist

I, the undersigned, do hereby certify under penalty of perjury that the materials have been furnished, the services rendered or the labor performed as described herein and that the claim is a just, due and unpaid obligation against the City of Bainbridge Island, and that I am authorized to authenticate and certify to said claim.

_____ Date 05/06/2026
Carrie Freitas, Budget Manager

CITY OF
BAINBRIDGE ISLAND

ACCOUNTS PAYABLE REPORT TO CITY COUNCIL OF CASH DISBURSEMENTS

CHECK RUN DATE: 05/07/2026

Last check from previous run: 363268 dated 04/30/2026 issued to WA Water Service for $164.56

Last ACH from previous run: 7567 dated 05/01/2026 issued to WA ST Ferries for $165.85

Payment Type	Check Date	Check Number	Department/Vendor/Description	Amount
Regular Check Run	05/07/2026	363269-363289	Total Regular Check Run	$ 163,637.96
Manual ACH	05/01/2026	7568	WA ST Dept of L&I - Volunteer Hours Q1 2026	134.78
Regular ACH Run	05/08/2026	7569-7597	Total Regular ACH Run	155,696.31
			Total Disbursements	**$ 319,469.05**

Retainage Release	N/A	N/A	N/A	N/A
Travel Advance	N/A	N/A	N/A	N/A

Prepared and Reviewed by Grace Lin Grace Lin, Senior Accounting Technician

I, the undersigned, do hereby certify under penalty of perjury that the materials have been furnished, the services rendered, or the labor performed as described herein and that the claim is a just, due, and unpaid obligation against the City of Bainbridge Island, and that I am authorized to authenticate and certify to said claim.

Kim Dunscombe 05.07.2026

Kim Dunscombe, Accounting Manager — Date

CASH ACCOUNT: 635 111100 CASH

CHECK NO	CHK DATE	TYPE	VENDOR	NAME	VOUCHER	INVOICE	INV DATE	PO	CHECK RUN	NET
							INVOICE DTL DESC			
363269	05/07/2026	PRTD	47	BAINBRIDGE DISPOSAL	285177	BBD INV122307	04/27/2026		05/07/26	340.56
	Invoice: BBD INV122307						BIG BELLY DISPOSAL SVCS			
					340.56	91011189 547903	BIG BELLY SOLAR GARBAGE CANS			
					285178	BBD INV122321	04/27/2026		05/07/26	226.07
	Invoice: BBD INV122321						SENIOR CTR-COMMONS DISPOSAL SVCS			
					226.07	91011755 547900	GG-C/E-COMMONS-GARBAGE			
					285179	BBD INV122413	04/27/2026		05/07/26	1,695.89
	Invoice: BBD INV122413						CITYWIDE DISPOSAL SVCS			
					592.45	91011768 547900	GG-C/E-PARKS-GARBAGE			
					299.19	91425358 547900	GG-WWTP-GARBAGE(NOT BIOSOLIDS)			
					759.76	91011897 547900	GG-C/E-O&M YARD FAC-GARBAGE			
					14.83	91111427 547900	GG-STREET-ROADSIDE-GARBAGE			
					14.83	91111427 547900	GG-STREET-ROADSIDE-GARBAGE			
					14.83	91011215 547900	GG-C/E-PD-GARBAGE			
					285180	BBD INV122496	04/27/2026		05/07/26	474.63
	Invoice: BBD INV122496						CITY HALL DISPOSAL SVCS			
					474.63	91011189 547900	GG-C/E-CITY HALL-GARBAGE			
					285181	BBD INV122598	04/27/2026		05/07/26	228.60
	Invoice: BBD INV122598						TSJC DISPOSAL SVCS			
					139.70	91011215 547900	GG-C/E-PD-GARBAGE			
					88.90	91011251 547900	GG-GF-COURT-GARBAGE			
					285182	BBD INV122616	04/27/2026		05/07/26	503.72
	Invoice: BBD INV122616						DECANT FACILITY DISPOSAL SVCS			
					503.72	91435838 547900	GG-DECANT-GARBAGE			
							CHECK	363269 TOTAL:		3,469.47
363270	05/07/2026	PRTD	551	CENTURYLINK	285183	333464687APR26	04/24/2026		05/07/26	3,164.39
	Invoice: 333464687APR26						CITYWIDE TELEMETRY & FAX SERVICE			
					1,678.18	91425358 542100	GG-WWTP-TELEPHONE/FAX			
					1,118.23	91411891 542100	GG-WTR-FAC-PHONE			
					96.99	91011755 542100	GG-C/E-COMMONS-PHONE			
					180.22	91011897 542100	GG-C/E-O&M YARD FAC-PHONE			
					90.77	91011215 542100	GG-C/E-PD-PHONE			
					285184	333958744APR26	04/17/2026		05/07/26	58.36
	Invoice: 333958744APR26						WEAVER PRV WATER TELEMETRY			
					58.36	91411891 542100	GG-WTR-FAC-PHONE			
							CHECK	363270 TOTAL:		3,222.75
363271	05/07/2026	PRTD	10751	CINTAS CORPORATION N	285131	4266901084	04/22/2026	20250003	05/07/26	54.46
	Invoice: 4266901084						PW/WWTP UNIFORM AND LAUNDRY SERVICES			
					54.46	73425358 54500001388	WWTP UNIFORM SVC-RENTALS			

CASH ACCOUNT: 635 111100 CASH

CHECK NO	CHK DATE	TYPE	VENDOR	NAME	VOUCHER	INVOICE	INV DATE	PO	CHECK RUN	NET
						INVOICE DTL DESC				
							CHECK	363271 TOTAL:		54.46
363272	05/07/2026	PRTD	102	CITY OF BAINBRIDGE I	285199	RETREQ1-FINAL-00724	04/27/2026	20260002	05/07/26	1,583.40
Invoice: RETREQ1-FINAL-00724							ENG/In Lieu of P&P Bond Retainage - 10%			
					1,583.40	72311942 66200000724	PD/COURT BLDG-CONSTR OF BLDG			
							CHECK	363272 TOTAL:		1,583.40
363273	05/07/2026	PRTD	102	CITY OF BAINBRIDGE I	285206	RETREQ2-10882	05/06/2026		05/07/26	70.00
Invoice: RETREQ2-10882							PW/RETAINAGE FOR CONTRACT 2025107			
					17.50	73011189 548100	O&M - C/E FACIL REPAIRS			
					17.50	73421355 548100	WIN COLL-R&M			
					17.50	73425358 548100	O&M-WWTP-REPAIRS			
					17.50	73411345 548100	REPAIRS & MAINTENANCE			
							CHECK	363273 TOTAL:		70.00
363274	05/07/2026	PRTD	10912	DTG53 LLC	285132	I7817	04/17/2026		05/07/26	118.01
Invoice: I7817							PW/PORTABLE RESTROOM RENTALS			
					118.01	73011897 545000	O&M-C/E-PWYD FAC-RENTS			
					285133	I7850	04/17/2026		05/07/26	118.01
Invoice: I7850							PW/PORTABLE RESTROOM RENTALS			
					118.01	73435838 545000	O&M-DECANT-RENTS			
							CHECK	363274 TOTAL:		236.02
363275	05/07/2026	PRTD	10617	EVERON LLC	285135	160842529	04/16/2026	20260015	05/07/26	797.62
Invoice: 160842529							PW/REMOVAL OF PANIC BUTTON INFRASTRUCTURE AT TSJC			
					797.62	73011831 548100	TSJC-REPAIRS			
							CHECK	363275 TOTAL:		797.62
363276	05/07/2026	PRTD	3120	ICMA - MEMBERSHIP	285212	1239763-2026	04/29/2026		05/07/26	200.00
Invoice: 1239763-2026							IT/ANNUAL DUES - M DALTON			
					200.00	81011881 549100	IT - C/E MISCELLANEOUS			
							CHECK	363276 TOTAL:		200.00
363277	05/07/2026	PRTD	338	KITSAP COUNTY SHERIF	285145	26000326	04/09/2026		05/07/26	4,213.28
Invoice: 26000326							POL/PRISONER BOARD/MAR26			
					4,213.28	51011236 551000	POLICE - C/E PRISONER DETENT'N			
							CHECK	363277 TOTAL:		4,213.28

CASH ACCOUNT: 635 111100 CASH

CHECK NO	CHK DATE	TYPE	VENDOR	NAME	VOUCHER	INVOICE	INV DATE	PO	CHECK RUN	NET
						INVOICE DTL DESC				
363278	05/07/2026	PRTD	10800	KETA WATERS LP	285153	2703	04/27/2026		05/07/26	44,540.00
	Invoice: 2703						ENG/GWMP PEER REVIEW			
					14,846.67	72011494 54110001198	GWMP-PROF SVCS			
					14,846.66	72411494 54110001198	GROUNDWATER PROF SVC - WTR			
					14,846.67	72431494 54110001198	GROUNDWATER PROF SVC - SSWM			
							CHECK	363278 TOTAL:		44,540.00
363279	05/07/2026	PRTD	10967	MATHER, RANDY	285213	04/25/2026	04/25/2026		05/07/26	70.80
	Invoice: 04/25/2026						EX/FLOTILLA EXERCISE FUEL REIMBURSEMENT			
					70.80	31011256 443410	EX-GF-EMERG PREP-TRAINING			
							CHECK	363279 TOTAL:		70.80
363280	05/07/2026	PRTD	10966	MIGUELITO'S COCINA M	285214	260520-01	05/06/2026		05/07/26	1,423.01
	Invoice: 260520-01						PW/ANNUAL APWA WEEK EVENT CATERING			
					1,423.01	73637891 539100	O&M-NON TRAVEL FOOD/BEV			
							CHECK	363280 TOTAL:		1,423.01
363281	05/07/2026	PRTD	8286	SUPERINTENDENT OF PU	285215	20389	04/20/2026		05/07/26	150.00
	Invoice: 20389						POL/FINGERPRINTING			
					150.00	41654861 586110	FINGERPRINT OUT-GOES TO SPI			
							CHECK	363281 TOTAL:		150.00
363282	05/07/2026	PRTD	10455	PAGERSDIRECT INC	285154	000671-R-0003	04/01/2026		05/07/26	957.60
	Invoice: 000671-R-0003						PW/PAGER SERVICE RENEWAL			
					957.60	73637891 542100	O&M - ALLOC FACIL TELEPHONE			
							CHECK	363282 TOTAL:		957.60
363283	05/07/2026	PRTD	10916	RANDAL PONCE	285198	PAYREQ1-FINAL-00724	04/27/2026		05/07/26	14,250.60
	Invoice: PAYREQ1-FINAL-00724						ENG/TSJC RECEPTION WORKSPACE RENOVATION			
					14,250.60	72311942 66200000724	PD/COURT BLDG-CONSTR OF BLDG			
							CHECK	363283 TOTAL:		14,250.60
363284	05/07/2026	PRTD	1205	PUGET SOUND ENERGY	285187	220025980727APR26	04/29/2026		05/07/26	10.87
	Invoice: 220025980727APR26						184 WINSLOW WAY E			
					10.87	91011739 547100	COMM EVENTS-ELECTRICITY			
					285188	220032048906APR26	04/30/2026		05/07/26	22.44
	Invoice: 220032048906APR26						EAGLE HARBOR DR STREET LIGHT			
					22.44	91111263 547100	GG-STRT-STREET LIGHTING-UTIL			

CASH ACCOUNT: 635 111100 CASH

CHECK NO	CHK DATE	TYPE	VENDOR	NAME	VOUCHER	INVOICE	INV DATE	PO	CHECK RUN	NET
						INVOICE DTL DESC				
					285189	220036465114APR26	04/30/2026		05/07/26	28.51
				Invoice: 220036465114APR26			KIMIKO & MADISON ST LIGHTS			
					28.51	91111263 547100	GG-STRT-STREET LIGHTING-UTIL			
							CHECK	363284 TOTAL:		61.82
363285	05/07/2026	PRTD	1205	PUGET SOUND ENERGY	285190	300000009047APR26	04/29/2026		05/07/26	81,039.39
				Invoice: 300000009047APR26			CITYWIDE ENERGY SERVICES			
					18,346.39	91011189 547100	GG-C/E-CITY HALL-ELECTRIC			
					4,645.59	91011215 547100	GG-C/E-PD-ELECTRIC			
					2,956.28	91011251 547100	GG-GF-COURT-ELECTRIC			
					22.25	91011557 547100	FARMS-ELECTRIC			
					1,073.73	91011755 547100	GG-C/E-COMMONS-ELECTRIC			
					1,281.13	91011768 547100	GG-C/E-PARKS-ELECTRIC			
					4,742.53	91011897 547100	GG-C/E-O&M YARD FAC-ELECTRIC			
					12.10	91021182 547100	GG-OS-PROP MNGT-ELECTRIC			
					8,261.18	91111263 547100	GG-STRT-STREET LIGHTING-UTIL			
					733.90	91111264 547100	GG-STREET-TRAF CONTROL-UTILITY			
					19,330.55	91411345 547100	GG-WTR-ELECTRIC			
					349.39	91415345 547100	GG-ROCKAWAY BCH-UTILITIES			
					5,035.31	91421355 547100	GG-SWR-ELECTRIC			
					14,174.35	91425358 547100	GG-WWTP-ELECTRIC			
					74.71	91435838 547100	GG-DECANT-ELECTRIC			
							CHECK	363285 TOTAL:		81,039.39
363286	05/07/2026	PRTD	10041	SCADRON-WATTLES, STU	285216	04/26/2026	04/26/2026		05/07/26	46.48
				Invoice: 04/26/2026			EX/FLOTILLA EXERCISE FUEL REIMBURSEMENT			
					46.48	31011256 443410	EX-GF-EMERG PREP-TRAINING			
							CHECK	363286 TOTAL:		46.48
363287	05/07/2026	PRTD	601	SOUND REPROGRAPHICS	285158	115381	04/06/2026		05/07/26	3,750.50
				Invoice: 115381			ENG/PUBLIC TRAIL RIGHT OF WAY SIGNS			
					3,750.50	72111262 53110001414	ROW PUBLIC TRAIL SIGN SUPPLIES			
					285159	115631	04/03/2026		05/07/26	9.54
				Invoice: 115631			EX/EXTERIOR SIGNS FOR STR			
					9.54	31011246 53110001342	STR-SHORT TERM RENTALS-SUPPLY			
							CHECK	363287 TOTAL:		3,760.04
363288	05/07/2026	PRTD	4598	WASHINGTON STATE PAR	285220	04/16/2026	04/16/2026		05/07/26	3,071.60
				Invoice: 04/16/2026			POL/BMLE TRAINING/DAOG & PEPICELLI			
					3,071.60	54025212 443410	MARINE - TRAINING			

CASH ACCOUNT: 635 111100 CASH

CHECK NO	CHK DATE	TYPE	VENDOR	NAME	VOUCHER	INVOICE	INV DATE	PO	CHECK RUN	NET
				INVOICE DTL DESC						
								CHECK	363288 TOTAL:	3,071.60
363289	05/07/2026	PRTD	522	WA ST DEPT OF TRANSP	285221	RE-313-ATB60411114	04/11/2026		05/07/26	419.62
Invoice: RE-313-ATB60411114						ENG/WSDOT JC 1589 Project Review Agreement				
					419.62	72111426 54110001419 WINSLOW RIGHT TURN RMV PRF SVC				
								CHECK	363289 TOTAL:	419.62

NUMBER OF CHECKS 21 *** CASH ACCOUNT TOTAL *** 163,637.96

	COUNT	AMOUNT
TOTAL PRINTED CHECKS	21	163,637.96

*** GRAND TOTAL *** 163,637.96

JOURNAL ENTRIES TO BE CREATED

CLERK: glin

YEAR PER JNL / SRC ACCOUNT	EFF DATE	JNL DESC	REF 1	REF 2	REF 3	ACCOUNT DESC / LINE DESC	T	OB	DEBIT	CREDIT
2026 5 34										
APP 001-213000						GENERAL - ACCOUNTS PAYABLE			59,487.25	
	05/07/2026	05/07/26	050726			AP CASH DISBURSEMENTS JOURNAL				
APP 635-111100						CASH				163,637.96
	05/07/2026	05/07/26	050726			AP CASH DISBURSEMENTS JOURNAL				
APP 402-213000						ACCOUNTS PAYABLE			21,276.49	
	05/07/2026	05/07/26	050726			AP CASH DISBURSEMENTS JOURNAL				
APP 101-213000						STREETS - ACCOUNTS PAYABLE			13,245.81	
	05/07/2026	05/07/26	050726			AP CASH DISBURSEMENTS JOURNAL				
APP 403-213000						ACCOUNTS PAYABLE			15,543.11	
	05/07/2026	05/07/26	050726			AP CASH DISBURSEMENTS JOURNAL				
APP 401-213000						ACCOUNTS PAYABLE			35,720.69	
	05/07/2026	05/07/26	050726			AP CASH DISBURSEMENTS JOURNAL				
APP 301-213000						ACCOUNTS PAYABLE			15,834.00	
	05/07/2026	05/07/26	050726			AP CASH DISBURSEMENTS JOURNAL				
APP 631-213000						ACCOUNTS PAYABLE			2,380.61	
	05/07/2026	05/07/26	050726			AP CASH DISBURSEMENTS JOURNAL				
APP 650-213000						ACCOUNTS PAYABLE			150.00	
	05/07/2026	05/07/26	050726			AP CASH DISBURSEMENTS JOURNAL				
						GENERAL LEDGER TOTAL			163,637.96	163,637.96
APP 631-130000						DUE TO/FROM CLEARING			161,257.35	
	05/07/2026	05/07/26	050726							
APP 001-130000						GENERAL - DUE TO/FROM CLEARING				59,487.25
	05/07/2026	05/07/26	050726							
APP 402-130000						DUE TO/FROM CLEARING				21,276.49
	05/07/2026	05/07/26	050726							
APP 101-130000						STREETS - DUE TO/FROM CLEARING				13,245.81
	05/07/2026	05/07/26	050726							
APP 403-130000						DUE TO/FROM CLEARING				15,543.11
	05/07/2026	05/07/26	050726							
APP 401-130000						DUE TO/FROM CLEARING				35,720.69
	05/07/2026	05/07/26	050726							
APP 301-130000						DUE TO/FROM CLEARING				15,834.00
	05/07/2026	05/07/26	050726							
APP 650-130000						DUE TO/FROM CLEARING				150.00
	05/07/2026	05/07/26	050726							
						SYSTEM GENERATED ENTRIES TOTAL			161,257.35	161,257.35
						JOURNAL 2026/05/34 TOTAL			324,895.31	324,895.31

JOURNAL ENTRIES TO BE CREATED

FUND / ACCOUNT	YEAR	PER	JNL	EFF DATE / ACCOUNT DESCRIPTION	DEBIT	CREDIT
001 GENERAL FUND	2026	5	34	05/07/2026		
001-130000				GENERAL - DUE TO/FROM CLEARING		59,487.25
001-213000				GENERAL - ACCOUNTS PAYABLE	59,487.25	
				FUND TOTAL	59,487.25	59,487.25
101 STREET FUND	2026	5	34	05/07/2026		
101-130000				STREETS - DUE TO/FROM CLEARING		13,245.81
101-213000				STREETS - ACCOUNTS PAYABLE	13,245.81	
				FUND TOTAL	13,245.81	13,245.81
301 CAPITAL CONSTRUCTION FUND	2026	5	34	05/07/2026		
301-130000				DUE TO/FROM CLEARING		15,834.00
301-213000				ACCOUNTS PAYABLE	15,834.00	
				FUND TOTAL	15,834.00	15,834.00
401 WATER OPERATING FUND	2026	5	34	05/07/2026		
401-130000				DUE TO/FROM CLEARING		35,720.69
401-213000				ACCOUNTS PAYABLE	35,720.69	
				FUND TOTAL	35,720.69	35,720.69
402 SEWER OPERATING FUND	2026	5	34	05/07/2026		
402-130000				DUE TO/FROM CLEARING		21,276.49
402-213000				ACCOUNTS PAYABLE	21,276.49	
				FUND TOTAL	21,276.49	21,276.49
403 STORM & SURFACE WATER FUND	2026	5	34	05/07/2026		
403-130000				DUE TO/FROM CLEARING		15,543.11
403-213000				ACCOUNTS PAYABLE	15,543.11	
				FUND TOTAL	15,543.11	15,543.11
631 CLEARING FUND	2026	5	34	05/07/2026		
631-130000				DUE TO/FROM CLEARING	161,257.35	
631-213000				ACCOUNTS PAYABLE	2,380.61	
635-111100				CASH		163,637.96
				FUND TOTAL	163,637.96	163,637.96
650 AGENCY FUND	2026	5	34	05/07/2026		
650-130000				DUE TO/FROM CLEARING		150.00
650-213000				ACCOUNTS PAYABLE	150.00	
				FUND TOTAL	150.00	150.00

JOURNAL ENTRIES TO BE CREATED

FUND		DUE TO	DUE FR
001	GENERAL FUND		59,487.25
101	STREET FUND		13,245.81
301	CAPITAL CONSTRUCTION FUND		15,834.00
401	WATER OPERATING FUND		35,720.69
402	SEWER OPERATING FUND		21,276.49
403	STORM & SURFACE WATER FUND		15,543.11
631	CLEARING FUND	161,257.35	
650	AGENCY FUND		150.00
	TOTAL	161,257.35	161,257.35

** END OF REPORT - Generated by Grace Lin **

05/07/2026 11:45 |CITY OF BAINBRIDGE ISLAND |P 1
glin |A/P CASH DISBURSEMENTS JOURNAL |apcshdsb

CASH ACCOUNT: 635 111100 CASH

CHECK NO	CHK DATE	TYPE	VENDOR	NAME	VOUCHER	INVOICE	INV DATE	PO	CHECK RUN	NET
						INVOICE DTL DESC				
7568	05/01/2026	MANL	3081	WA ST DEPT LABOR & I	285222	2026-Q1	04/29/2026		LIQ126	134.78
	Invoice: 2026-Q1						ENG,EX,POL/VOLUNTEER HOURS - Q1 2026 L&I			
					.16	72011494 52000000996	2019-20 GW MNGT PLANNING-BEN			
					118.35	31011256 520000	EX-GF-EMERG PREP-BEN			
					15.78	55011757 520000	PD-HARBORMASTER-BENEFITS			
					.49	91011176 520000	GG-C/E-WORKERS COMP SVC-ADMIN			
								CHECK	7568 TOTAL:	134.78
							NUMBER OF CHECKS 1	*** CASH ACCOUNT TOTAL ***		134.78

	COUNT	AMOUNT
TOTAL MANUAL CHECKS	1	134.78

*** GRAND TOTAL *** 134.78

JOURNAL ENTRIES TO BE CREATED

CLERK: glin

YEAR PER JNL SRC ACCOUNT EFF DATE	JNL DESC	REF 1	REF 2	REF 3	ACCOUNT DESC LINE DESC	T	OB	DEBIT	CREDIT
2026 5 35									
APP 001-213000					GENERAL - ACCOUNTS PAYABLE			134.78	
05/01/2026	LIQ126	050126			AP CASH DISBURSEMENTS JOURNAL				
APP 635-111100					CASH				134.78
05/01/2026	LIQ126	050126			AP CASH DISBURSEMENTS JOURNAL				
					GENERAL LEDGER TOTAL			134.78	134.78
APP 631-130000					DUE TO/FROM CLEARING			134.78	
05/01/2026	LIQ126	050126							
APP 001-130000					GENERAL - DUE TO/FROM CLEARING				134.78
05/01/2026	LIQ126	050126							
					SYSTEM GENERATED ENTRIES TOTAL			134.78	134.78
					JOURNAL 2026/05/35	TOTAL		269.56	269.56

JOURNAL ENTRIES TO BE CREATED

FUND / ACCOUNT	YEAR	PER	JNL	EFF DATE / ACCOUNT DESCRIPTION	DEBIT	CREDIT
001 GENERAL FUND	2026	5	35	05/01/2026		
001-130000				GENERAL - DUE TO/FROM CLEARING		134.78
001-213000				GENERAL - ACCOUNTS PAYABLE	134.78	
				FUND TOTAL	134.78	134.78
631 CLEARING FUND	2026	5	35	05/01/2026		
631-130000				DUE TO/FROM CLEARING	134.78	
635-111100				CASH		134.78
				FUND TOTAL	134.78	134.78

JOURNAL ENTRIES TO BE CREATED

FUND		DUE TO	DUE FR
001	GENERAL FUND		134.78
631	CLEARING FUND	134.78	
	TOTAL	134.78	134.78

** END OF REPORT - Generated by Grace Lin **

CASH ACCOUNT: 635 111100 CASH

CHECK NO	CHK DATE	TYPE	VENDOR NAME	VOUCHER	INVOICE	INV DATE	PO	CHECK RUN	NET
					INVOICE DTL DESC				
7569	05/08/2026	EFT	5 ACE HARDWARE	285115	60273-1	04/01/2026		05/07/26	63.55
Invoice: 60273-1						POL/CONSTRUCTION ADHESIVE, BIT DRIVER, FASTENERS			
				63.55	53011212 531100	PD-C/E-PATROL SUPPLIES			
				285116	060277-1	04/02/2026		05/07/26	19.65
Invoice: 060277-1						PW/WO 24512 - RECIPROCATING SAW BLADE			
				19.65	73111261 531100	OFFICE SUPPLIES			
				285117	060281-1	04/02/2026		05/07/26	32.74
Invoice: 060281-1						PW/STEP STOOL, METAL CABLE STAPLES			
				27.29	73011483 531100	O&M-GF-MECH SHOP-SUPPLIES			
				5.45	73111290 531100	O&M-STREET-MAINT O/H-SUPPLIES			
				285118	60287-1	04/02/2026		05/07/26	28.36
Invoice: 60287-1						PW/WO 24481 - GRAFFITI REMOVER, SPRAY PAINT			
				28.36	73011189 531100	O&M - C/E FACIL OFC SUPPLIES			
				285119	60305-1	04/07/2026		05/07/26	8.73
Invoice: 60305-1						PW/WO 24484 - SPRAY PAINT			
				8.73	73011319 53110000827	FARM MAINT PROJECTS TBD-SUPPLY			
				285120	060307-1	04/07/2026		05/07/26	47.99
Invoice: 060307-1						PW/LED LINEAR LAMP, WIRE CONNECTORS, BUTT SPLICE			
				21.83	73011755 531100	O&M-COMMONS SUPPLIES			
				26.16	73011897 531100	O&M-C/E-PWY FAC-SUPPLIES			
				285121	60309-1	04/07/2026		05/07/26	56.74
Invoice: 60309-1						PW/WO 24525 - UNIV JOINT SET, EXT BAR, DUCT TAPE			
				56.74	73411345 531100	OFFICE SUPPLIES			
				285122	60324-1	04/08/2026		05/07/26	17.45
Invoice: 60324-1						PW/WO 25559 - BUSSMANN 1 AMPS TIME DELAY FUSES			
				17.45	73411345 531100	OFFICE SUPPLIES			
				285123	60328-1	04/09/2026		05/07/26	28.37
Invoice: 60328-1						PW/WO 24570 - POOL SKIMMERS			
				28.37	73425358 531100	O&M-WWTP-SUPPLIES			
				285124	60368-1	04/15/2026		05/07/26	48.03
Invoice: 60368-1						PW/WO 24478 - SCREEN SPLINE, STORAGE CART			
				48.03	73011897 531100	O&M-C/E-PWY FAC-SUPPLIES			
				285125	60381-1	04/16/2026		05/07/26	118.95
Invoice: 60381-1						PW/WO 25561 - WRENCHES, WIRE BRUSH, SHOP TOWELS			
				118.95	73411345 531100	OFFICE SUPPLIES			
				285126	60386-1	04/16/2026		05/07/26	59.99
Invoice: 60386-1						PW/WO 24478 - GARMENT HOOKS, SURGE PROTECTOR			
				59.99	73011897 531100	O&M-C/E-PWY FAC-SUPPLIES			
				285127	060406-1	04/20/2026		05/07/26	26.19
Invoice: 060406-1						PW/WO 24500 - TOOL BOX X2			

CASH ACCOUNT: 635 111100 CASH

CHECK NO	CHK DATE	TYPE	VENDOR	NAME	VOUCHER	INVOICE	INV DATE	PO	CHECK RUN	NET
						INVOICE DTL DESC				
					26.19	73111423 531100	OFFICE SUPPLIES			
					285128	060411-1	04/20/2026		05/07/26	14.20
				Invoice: 060411-1			PW/WO 24500 - FASTENERS			
					14.20	73111423 531100	OFFICE SUPPLIES			
					285129	60420-1	04/21/2026		05/07/26	48.03
				Invoice: 60420-1			PW/WO 24479 - DRAIN CLEANER			
					48.03	73011755 531100	O&M-COMMONS SUPPLIES			
							CHECK	7569	TOTAL:	618.97
7570	05/08/2026	EFT	4899	ADDISON CONSTRUCTION	285130	442399	04/01/2026		05/07/26	347.37
				Invoice: 442399			PW/WO 24512 - POOL TROWELS, MAG FLOATS, MIXING TUB			
					347.37	73111261 531100	OFFICE SUPPLIES			
							CHECK	7570	TOTAL:	347.37
7571	05/08/2026	EFT	8991	ALLIANCE 2020, INC	285194	5867673	04/30/2026		05/07/26	385.32
				Invoice: 5867673			HR/BACKGROUND CHECKS			
					385.32	33011161 541100	HR-C/E-PROF SVCS			
							CHECK	7571	TOTAL:	385.32
7572	05/08/2026	EFT	8672	ZAYO GROUP LLC	285176	22388734	05/01/2026		05/07/26	941.50
				Invoice: 22388734			CITYWIDE TELEPHONE/INTERNET SVCS			
					941.50	91011189 542100	GG-C/E-CITY HALL-PHONE			
							CHECK	7572	TOTAL:	941.50
7573	05/08/2026	EFT	10865	HADLOCK ENTERPRISES	285192	112883	04/27/2026		05/07/26	125.70
				Invoice: 112883			PW/ADD'L ARM REST FOR 2025 CHEVY TAHOE PPV			
					125.70	73501448 66400001395	MACHINE & EQUIPMENT			
					285193	112895	04/30/2026		05/07/26	15,771.83
				Invoice: 112895			PW/2025 FORD LIGHTNING UPFIT FOR POLICE			
					15,771.83	73501448 66400001395	MACHINE & EQUIPMENT			
							CHECK	7573	TOTAL:	15,897.53
7574	05/08/2026	EFT	4365	AUTOMATIC FUNDS TRAN	285195	136309	04/13/2026		05/07/26	11.91
				Invoice: 136309			FIN/FINAL BILL PRINT AND MAIL			
					2.63	43411341 541100	FIN - WATER ADMIN PROF SERVICE			
					2.62	43421351 541100	FIN - SEWER ADMIN PROF SERVICE			
					3.33	91411891 542500	GG-WTR-FAC-POSTAGE			
					3.33	91421891 542500	GG-SWR-FAC-POSTAGE			

CASH ACCOUNT: 635 111100 CASH

CHECK NO	CHK DATE	TYPE	VENDOR	NAME	VOUCHER	INVOICE	INV DATE	PO	CHECK RUN	NET
							INVOICE DTL DESC			
					285196	136440	04/30/2026		05/07/26	985.76
Invoice: 136440							FIN/STATEMENT PREP AND MAIL			
					240.86	43411341 541100	FIN - WATER ADMIN PROF SERVICE			
					240.86	43421351 541100	FIN - SEWER ADMIN PROF SERVICE			
					252.02	91411891 542500	GG-WTR-FAC-POSTAGE			
					252.02	91421891 542500	GG-SWR-FAC-POSTAGE			
							CHECK	7574 TOTAL:		997.67
7575	05/08/2026	EFT	8890	BAINBRIDGE ISLAND JA	285210	2026-Q1	04/27/2026		05/07/26	7,740.00
Invoice: 2026-Q1							EX/2026-2027 CULTURAL FUNDING			
					7,740.00	31011732 54110000297	EX-GF-CULTURAL ARTS & SCIENCES			
							CHECK	7575 TOTAL:		7,740.00
7576	05/08/2026	EFT	5016	BAINBRIDGE ISLAND BO	285209	2026-Q1	04/15/2026		05/07/26	2,500.00
Invoice: 2026-Q1							EX/2025-2026 HUMAN SERVICES FUNDING			
					2,500.00	31017670 54110000297	EX-BI CHILD CARE/B&G CLUB			
							CHECK	7576 TOTAL:		2,500.00
7577	05/08/2026	EFT	10374	ASGN INCORPORATED	285207	CI-22640	04/28/2026		05/07/26	622.50
Invoice: CI-22640							IT/WEBSITE CONTENT MANAGER CONSULTING SERVICES			
					622.50	81011881 54110001398	WEBSITE UPDATE - PROF SVCS			
					285208	CI-23739	04/29/2026		05/07/26	585.00
Invoice: CI-23739							IT/WEBSITE CONTENT MANAGER CONSULTING SERVICES			
					585.00	81011881 54110001398	WEBSITE UPDATE - PROF SVCS			
							CHECK	7577 TOTAL:		1,207.50
7578	05/08/2026	EFT	4639	ENNIS-FLINT, INC.	285134	296779	04/13/2026		05/07/26	858.31
Invoice: 296779							PW/PAVEMENT MARKINGS			
					858.31	73111264 531100	O&M-STREET-TRAF CONTROL-SUPPLY			
							CHECK	7578 TOTAL:		858.31
7579	05/08/2026	EFT	5781	EXTERMINATION SERVIC	285136	55540	04/13/2026		05/07/26	131.04
Invoice: 55540							PW/PREVENTIVE SVCS - COMM CTR COMMONS APR26			
					131.04	73011755 548100	O&M-COMMONS REPAIRS			
							CHECK	7579 TOTAL:		131.04
7580	05/08/2026	EFT	1953	FERGUSON ENTERPRISES	285137	0114272	04/13/2026		05/07/26	177.89
Invoice: 0114272							PW/WO 24525 - SECURITY SCREW SOCKETS			
					177.89	73411345 531100	OFFICE SUPPLIES			

CASH ACCOUNT: 635 111100 CASH

CHECK NO	CHK DATE	TYPE	VENDOR	NAME	VOUCHER	INVOICE	INV DATE	PO	CHECK RUN	NET
							INVOICE DTL DESC			
					285138	0114811	04/06/2026		05/07/26	1,976.70
	Invoice: 0114811						PW/WO 24525 - WATER PRESSURE REDUCING VALVES			
					1,976.70	73411345 531100	OFFICE SUPPLIES			
					285139	0115159	04/14/2026		05/07/26	96.17
	Invoice: 0115159						PW/WO 25596 - SWING CHECK VALVES			
					96.17	73421355 531100	WIN COLL-SUPPLIES			
							CHECK	7580 TOTAL:		2,250.76
7581	05/08/2026	EFT	10802	FUTURE HOMES SOLUTIO	285141	1022-3	01/07/2026		05/07/26	80,449.83
	Invoice: 1022-3						EX/IMHP - PURCHASE OF MOBILE HOME			
					80,449.83	31311459 66200001279	IMHP-MOBILE HM INSTALL-PURCHAS			
							CHECK	7581 TOTAL:		80,449.83
7582	05/08/2026	EFT	10459	GORDON THOMAS HONEYW	285211	APRIL 2026 1337	04/30/2026		05/07/26	4,416.77
	Invoice: APRIL 2026 1337						CC/WA STATE LEGISLATIVE ISSUES REPRESENTATION			
					4,416.77	11011112 541100	COUNCIL-LOBBYING/PROMOTION PS			
							CHECK	7582 TOTAL:		4,416.77
7583	05/08/2026	EFT	513	GRAINGER	285142	9876239485	04/13/2026		05/07/26	177.09
	Invoice: 9876239485						PW/PRECISION MEASURING TOOL KIT			
					88.54	73421355 531100	WIN COLL-SUPPLIES			
					88.55	73421355 531100	WIN COLL-SUPPLIES			
					285143	9881938733	04/16/2026		05/07/26	186.39
	Invoice: 9881938733						PW/WO 25585 - GREASE GUN, MULTIPURPOSE GREASE			
					186.39	73411345 531100	OFFICE SUPPLIES			
							CHECK	7583 TOTAL:		363.48
7584	05/08/2026	EFT	9883	INVOICE CLOUD, INC.	285197	2698-2026_4	04/30/2026		05/07/26	3,188.75
	Invoice: 2698-2026_4						FIN/UB SVCS APR26			
					1,594.37	43411341 541100	FIN - WATER ADMIN PROF SERVICE			
					1,594.38	43421351 541100	FIN - SEWER ADMIN PROF SERVICE			
							CHECK	7584 TOTAL:		3,188.75
7585	05/08/2026	EFT	10269	JENNINGS EQUIPMENT I	285144	70413P	04/20/2026		05/07/26	2,533.35
	Invoice: 70413P						PW/WO 24481 - POLE SAW, CLIPPER, TRIMMERS, EDGER			
					2,533.35	73011189 531100	O&M - C/E FACIL OFC SUPPLIES			

CASH ACCOUNT: 635 111100 CASH

CHECK NO	CHK DATE	TYPE	VENDOR	NAME	VOUCHER	INVOICE	INV DATE	PO	CHECK RUN	NET
							INVOICE DTL DESC			
							CHECK	7585 TOTAL:		2,533.35
7586	05/08/2026	EFT	199	KITSAP ECONOMIC DEVE	285146	COBI 2026-Q1	04/05/2026		05/07/26	5,000.00
	Invoice: COBI 2026-Q1						EX/2026 ECONOMIC DEVELOPMENT IN KITSAP COUNTY			
					5,000.00	31011586 54110000297	EX-GF-COMMUNITY SERVICES-PS			
							CHECK	7586 TOTAL:		5,000.00
7587	05/08/2026	EFT	10439	KELLEY CREATE CO	285147	41752679	04/14/2026		05/07/26	117.29
	Invoice: 41752679						CRT/COPIER LEASE-330AC			
					117.29	21011125 545000	COURT-RENTS & LEASES			
					285148	41777241	04/17/2026		05/07/26	116.64
	Invoice: 41777241						POL/ADMIN COPIER LEASE			
					116.64	51011211 545000	PD-C/E-ADMIN RENTS/LEASE			
					285149	41788088	04/18/2026		05/07/26	294.84
	Invoice: 41788088						ENG/COPIER LEASE-6525AC			
					294.84	72011321 545000	ENG - C/E ADMIN RENTS & LEASES			
					285150	41788090	04/18/2026		05/07/26	47.06
	Invoice: 41788090						PW/COPIER LEASE-XC2326			
					47.06	73637891 545000	RENTS & LEASES - OPERATING			
					285151	41813113	04/21/2026		05/07/26	241.07
	Invoice: 41813113						POL/MAIN COPIER LEASE			
					241.07	51011211 545000	PD-C/E-ADMIN RENTS/LEASE			
					285152	41878777	04/30/2026		05/07/26	191.11
	Invoice: 41878777						EX/EOC COPIER LEASE-2525AC			
					191.11	31011256 545000	EX-GF-EMERG PREP-RENTALS			
					285185	41788091	04/18/2026		05/07/26	47.06
	Invoice: 41788091						FIN/COPIER LEASE-XC2326			
					47.06	41011141 545000	FIN-GF-RENTS & LEASES			
					285186	41788092	04/19/2026		05/07/26	446.63
	Invoice: 41788092						PCD,ENG,IT/PRINTER PLOTTER SCANNER LEASE-HP4250			
					148.87	61011581 545000	PCD - C/E ADMIN RENTS & LEASES			
					148.88	72011321 545000	ENG - C/E ADMIN RENTS & LEASES			
					148.88	81011881 545000	IT - C/E RENTS & LEASES			
							CHECK	7587 TOTAL:		1,501.70
7588	05/08/2026	EFT	10496	SEATTLE AUTOMOTIVE D	285155	S10-10747765	04/06/2026		05/07/26	132.27
	Invoice: S10-10747765						POL/WO 00265 - BATTERY			
					132.27	53011212 531100	PD-C/E-PATROL SUPPLIES			
					285156	S10-10762971	04/13/2026		05/07/26	132.27

CASH ACCOUNT: 635 111100 CASH

CHECK NO	CHK DATE	TYPE	VENDOR	NAME	VOUCHER	INVOICE	INV DATE	PO	CHECK RUN	NET
							INVOICE DTL DESC			
Invoice: S10-10762971							POL/WO 00267 - BATTERY			
					132.27	53011212 531100	PD-C/E-PATROL SUPPLIES			
					285157	S10-10771301	04/15/2026	05/07/26		-87.36
Invoice: S10-10771301							PW/SHOP SUPPLIES - CREDIT MEMO			
					-87.36	73638935 531100	O&M-STD ALLOCATION-SUPPLIES			
							CHECK	7588 TOTAL:		177.18
7589	05/08/2026	EFT	9910	SEIDL, MICHAEL TIMOT	285217	2290	04/02/2026	05/07/26		2,245.00
Invoice: 2290							EX/VIDEO PRODUCTION SERVICES			
					2,245.00	31011572 54110001184	CITY MNGR VIDEO UPDATE-PROF SV			
							CHECK	7589 TOTAL:		2,245.00
7590	05/08/2026	EFT	8132	SPECTRA LABORATORIES	285200	26-02305	04/10/2026	05/07/26		160.00
Invoice: 26-02305							PW/TESTING - MULTIPLE SITES			
					160.00	73411345 54110000391	LAB SVCS-WATER			
					285201	26-02306	04/10/2026	05/07/26		32.00
Invoice: 26-02306							PW/TESTING - PW ADMIN SINK			
					32.00	73011897 54110000391	LAB SVCS-PWY FAC			
					285202	26-02409	04/16/2026	05/07/26		96.00
Invoice: 26-02409							PW/TESTING - PRV E			
					96.00	73411345 54110000391	LAB SVCS-WATER			
							CHECK	7590 TOTAL:		288.00
7591	05/08/2026	EFT	4576	TETRA TECH INC	285219	52581445	05/01/2026	05/07/26		7,086.50
Invoice: 52581445							ENG/WWTP CAPACITY UPGRADES - CONSTRUCTION SERVICES			
					7,086.50	72423434 64110001187	WWTP CAPACITY UPGR-PROF SVCS			
							CHECK	7591 TOTAL:		7,086.50
7592	05/08/2026	EFT	4576	TETRA TECH INC	285218	52581438	05/01/2026	05/07/26		11,035.40
Invoice: 52581438							ENG/WWTP OUTFALL EXT - 30% DESIGN			
					11,035.40	72423434 64110001106	WWTP OUTFALL EXT-PROF SVCS			
							CHECK	7592 TOTAL:		11,035.40
7593	05/08/2026	EFT	1152	HD SUPPLY INC	285203	INV01015742	04/09/2026	05/07/26		185.83
Invoice: INV01015742							PW/WO 24569 - COD VIAL TEST, HR COD REAGENT			
					185.83	73425358 531100	O&M-WWTP-SUPPLIES			
					285204	INV01020570	04/15/2026	05/07/26		241.80
Invoice: INV01020570							PW/WO 24569 - SETTLEOMETER KIT X2			

CASH ACCOUNT: 635 111100 CASH

CHECK NO	CHK DATE	TYPE	VENDOR	NAME	VOUCHER	INVOICE	INV DATE	PO	CHECK RUN	NET
							INVOICE DTL DESC			
					241.80	73425358 531100	O&M-WWTP-SUPPLIES			
							CHECK	7593 TOTAL:		427.63
7594	05/08/2026	EFT	7821	VESTIS	285160	5120865069	04/14/2026		05/07/26	32.76
Invoice: 5120865069							PW/SHOP TOWELS			
					32.76	73638935 531100	O&M-STD ALLOCATION-SUPPLIES			
							CHECK	7594 TOTAL:		32.76
7595	05/08/2026	EFT	605	WA ST AUDITOR'S OFFI	285191	L174480	04/09/2026		05/07/26	70.55
Invoice: L174480							2025 AUDIT - FINANCIAL			
					32.71	91011423 541100	FIN-C/E STATE AUDITOR			
					4.85	91111433 541100	FIN-STREET-STATE AUDITOR			
					14.68	91411341 541100	GG-WTR-ADM-PROF SVCS			
					8.05	91421351 541100	GG-SWR-ADM-PROF SVCS			
					6.48	91431383 541100	GG-SSWM-ADM-PROF SVCS			
					1.89	91470148 541100	FIN-DEV-STATE AUDITOR			
					1.89	91471148 541100	FIN-BLDG-STATE AUDITOR			
							CHECK	7595 TOTAL:		70.55
7596	05/08/2026	EFT	10882	WEST COAST MECHANICA	285205	PAYREQ2	05/06/2026		05/07/26	1,458.80
Invoice: PAYREQ2							PW/2025-2028 ELECTRICAL UNIT PRICE CONTRACT			
					364.70	73011189 548100	O&M - C/E FACIL REPAIRS			
					364.70	73421355 548100	WIN COLL-R&M			
					364.70	73425358 548100	O&M-WWTP-REPAIRS			
					364.70	73411345 548100	REPAIRS & MAINTENANCE			
							CHECK	7596 TOTAL:		1,458.80
7597	05/08/2026	EFT	499	WESTBAY AUTO PARTS I	285161	982172	04/01/2026		05/07/26	97.59
Invoice: 982172							PW/SHOP SUPPLIES			
					97.59	73638935 531100	O&M-STD ALLOCATION-SUPPLIES			
					285162	982681	04/03/2026		05/07/26	100.27
Invoice: 982681							PW/SHOP SUPPLIES			
					100.27	73638935 531100	O&M-STD ALLOCATION-SUPPLIES			
					285163	983100	04/06/2026		05/07/26	108.99
Invoice: 983100							PW/SHOP SUPPLIES			
					108.99	73638935 531100	O&M-STD ALLOCATION-SUPPLIES			
					285164	983101	04/06/2026		05/07/26	34.92
Invoice: 983101							PW/SHOP SUPPLIES			
					34.92	73638935 531100	O&M-STD ALLOCATION-SUPPLIES			
					285165	983333	04/07/2026		05/07/26	95.63

CASH ACCOUNT: 635 111100 CASH

CHECK NO	CHK DATE	TYPE	VENDOR NAME	VOUCHER	INVOICE	INV DATE	PO	CHECK RUN	NET
						INVOICE DTL DESC			
	Invoice: 983333					PW/SHOP SUPPLIES			
				95.63	73638935 531100	O&M-STD ALLOCATION-SUPPLIES			
				285166	983592	04/08/2026	05/07/26		66.97
	Invoice: 983592					PW/WO 00085 - COOLANT RESERVOIR			
				66.97	73011189 531100	O&M - C/E FACIL OFC SUPPLIES			
				285167	983813	04/09/2026	05/07/26		419.32
	Invoice: 983813					PW/SHOP SUPPLIES			
				419.32	73638935 531100	O&M-STD ALLOCATION-SUPPLIES			
				285168	984024	04/10/2026	05/07/26		28.67
	Invoice: 984024					PW/SHOP SUPPLIES			
				28.67	73638935 531100	O&M-STD ALLOCATION-SUPPLIES			
				285169	984068	04/10/2026	05/07/26		199.84
	Invoice: 984068					PW/WO 00270 - OIL, FUEL, AIR FILTERS			
				199.84	73111427 531100	OFFICE SUPPLIES			
				285170	984069	04/10/2026	05/07/26		63.26
	Invoice: 984069					PW/SHOP SUPPLIES			
				63.26	73638935 531100	O&M-STD ALLOCATION-SUPPLIES			
				285171	984500	04/13/2026	05/07/26		28.17
	Invoice: 984500					PW/SHOP SUPPLIES			
				28.17	73638935 531100	O&M-STD ALLOCATION-SUPPLIES			
				285172	984501	04/13/2026	05/07/26		34.56
	Invoice: 984501					PW/WO 25606 - PERMATEX GASKET MAKER			
				34.56	73421355 531100	WIN COLL-SUPPLIES			
				285173	985939	04/21/2026	05/07/26		146.11
	Invoice: 985939					PW/WO 00075 - OIL, FUEL, AIR FILTERS			
				146.11	73111427 531100	OFFICE SUPPLIES			
				285174	985940	04/21/2026	05/07/26		22.22
	Invoice: 985940					ENG/WO 00231 - AIR FILTER			
				22.22	72011321 531100	ENG - C/E ADMIN SUPPLIES			
				285175	985941	04/21/2026	05/07/26		98.12
	Invoice: 985941					PW/WO 00075 - OIL, AIR FILTERS			
				98.12	73111427 531100	OFFICE SUPPLIES			
						CHECK	7597 TOTAL:		1,544.64

NUMBER OF CHECKS 29 *** CASH ACCOUNT TOTAL *** 155,696.31

	COUNT	AMOUNT
TOTAL EFT'S	29	155,696.31

*** GRAND TOTAL *** 155,696.31

JOURNAL ENTRIES TO BE CREATED

CLERK: glin

YEAR PER JNL / SRC ACCOUNT / EFF DATE	JNL DESC	REF 1	REF 2	REF 3	ACCOUNT DESC / LINE DESC	T	OB	DEBIT	CREDIT
2026 5 36									
APP 001-213000					GENERAL - ACCOUNTS PAYABLE			29,670.23	
05/08/2026	05/07/26	050826			AP CASH DISBURSEMENTS JOURNAL				
APP 635-111100					CASH				155,696.31
05/08/2026	05/07/26	050826			AP CASH DISBURSEMENTS JOURNAL				
APP 101-213000					STREETS - ACCOUNTS PAYABLE			1,720.09	
05/08/2026	05/07/26	050826			AP CASH DISBURSEMENTS JOURNAL				
APP 401-213000					ACCOUNTS PAYABLE			5,262.71	
05/08/2026	05/07/26	050826			AP CASH DISBURSEMENTS JOURNAL				
APP 402-213000					ACCOUNTS PAYABLE			21,716.38	
05/08/2026	05/07/26	050826			AP CASH DISBURSEMENTS JOURNAL				
APP 501-213000					ER&R-ACCOUNTS PAYABLE			15,897.53	
05/08/2026	05/07/26	050826			AP CASH DISBURSEMENTS JOURNAL				
APP 301-213000					ACCOUNTS PAYABLE			80,449.83	
05/08/2026	05/07/26	050826			AP CASH DISBURSEMENTS JOURNAL				
APP 631-213000					ACCOUNTS PAYABLE			969.28	
05/08/2026	05/07/26	050826			AP CASH DISBURSEMENTS JOURNAL				
APP 403-213000					ACCOUNTS PAYABLE			6.48	
05/08/2026	05/07/26	050826			AP CASH DISBURSEMENTS JOURNAL				
APP 407-213000					ACCOUNTS PAYABLE			3.78	
05/08/2026	05/07/26	050826			AP CASH DISBURSEMENTS JOURNAL				
					GENERAL LEDGER TOTAL			155,696.31	155,696.31
APP 631-130000					DUE TO/FROM CLEARING			154,727.03	
05/08/2026	05/07/26	050826							
APP 001-130000					GENERAL - DUE TO/FROM CLEARING				29,670.23
05/08/2026	05/07/26	050826							
APP 101-130000					STREETS - DUE TO/FROM CLEARING				1,720.09
05/08/2026	05/07/26	050826							
APP 401-130000					DUE TO/FROM CLEARING				5,262.71
05/08/2026	05/07/26	050826							
APP 402-130000					DUE TO/FROM CLEARING				21,716.38
05/08/2026	05/07/26	050826							
APP 501-130000					ER&R-DUE TO/FROM CLEARING				15,897.53
05/08/2026	05/07/26	050826							
APP 301-130000					DUE TO/FROM CLEARING				80,449.83
05/08/2026	05/07/26	050826							
APP 403-130000					DUE TO/FROM CLEARING				6.48
05/08/2026	05/07/26	050826							
APP 407-130000					DUE TO/FROM CLEARING				3.78
05/08/2026	05/07/26	050826							
					SYSTEM GENERATED ENTRIES TOTAL			154,727.03	154,727.03
					JOURNAL 2026/05/36 TOTAL			310,423.34	310,423.34

JOURNAL ENTRIES TO BE CREATED

FUND / ACCOUNT	YEAR	PER	JNL	EFF DATE / ACCOUNT DESCRIPTION	DEBIT	CREDIT
001 GENERAL FUND	2026	5	36	05/08/2026		
001-130000				GENERAL - DUE TO/FROM CLEARING		29,670.23
001-213000				GENERAL - ACCOUNTS PAYABLE	29,670.23	
				FUND TOTAL	29,670.23	29,670.23
101 STREET FUND	2026	5	36	05/08/2026		
101-130000				STREETS - DUE TO/FROM CLEARING		1,720.09
101-213000				STREETS - ACCOUNTS PAYABLE	1,720.09	
				FUND TOTAL	1,720.09	1,720.09
301 CAPITAL CONSTRUCTION FUND	2026	5	36	05/08/2026		
301-130000				DUE TO/FROM CLEARING		80,449.83
301-213000				ACCOUNTS PAYABLE	80,449.83	
				FUND TOTAL	80,449.83	80,449.83
401 WATER OPERATING FUND	2026	5	36	05/08/2026		
401-130000				DUE TO/FROM CLEARING		5,262.71
401-213000				ACCOUNTS PAYABLE	5,262.71	
				FUND TOTAL	5,262.71	5,262.71
402 SEWER OPERATING FUND	2026	5	36	05/08/2026		
402-130000				DUE TO/FROM CLEARING		21,716.38
402-213000				ACCOUNTS PAYABLE	21,716.38	
				FUND TOTAL	21,716.38	21,716.38
403 STORM & SURFACE WATER FUND	2026	5	36	05/08/2026		
403-130000				DUE TO/FROM CLEARING		6.48
403-213000				ACCOUNTS PAYABLE	6.48	
				FUND TOTAL	6.48	6.48
407 BUILDING & DEVELOPMENT FUND	2026	5	36	05/08/2026		
407-130000				DUE TO/FROM CLEARING		3.78
407-213000				ACCOUNTS PAYABLE	3.78	
				FUND TOTAL	3.78	3.78
501 EQUIPMENT RENTAL & REVOLVING	2026	5	36	05/08/2026		
501-130000				ER&R-DUE TO/FROM CLEARING		15,897.53
501-213000				ER&R-ACCOUNTS PAYABLE	15,897.53	
				FUND TOTAL	15,897.53	15,897.53
631 CLEARING FUND	2026	5	36	05/08/2026		

JOURNAL ENTRIES TO BE CREATED

FUND / ACCOUNT	YEAR PER	JNL	EFF DATE	ACCOUNT DESCRIPTION	DEBIT	CREDIT
631-130000				DUE TO/FROM CLEARING	154,727.03	
631-213000				ACCOUNTS PAYABLE	969.28	
635-111100				CASH		155,696.31
				FUND TOTAL	155,696.31	155,696.31

JOURNAL ENTRIES TO BE CREATED

FUND		DUE TO	DUE FR
001	GENERAL FUND		29,670.23
101	STREET FUND		1,720.09
301	CAPITAL CONSTRUCTION FUND		80,449.83
401	WATER OPERATING FUND		5,262.71
402	SEWER OPERATING FUND		21,716.38
403	STORM & SURFACE WATER FUND		6.48
407	BUILDING & DEVELOPMENT FUND		3.78
501	EQUIPMENT RENTAL & REVOLVING		15,897.53
631	CLEARING FUND	154,727.03	
	TOTAL	154,727.03	154,727.03

** END OF REPORT - Generated by Grace Lin **

CITY OF
BAINBRIDGE ISLAND

City Council Regular Business Meeting Agenda Bill
Tuesday, May 12, 2026

Agenda Item: Approve Meeting Minutes

Department: Executive

Agenda Section: Consent Agenda - 6:50 pm

Estimated Time: 0 Minutes

Recommendation:

Approve Council meeting minutes.

Narrative:

Council will consider approval of City Council meeting minutes.

Fiscal Impact:

Community Engagement and Outreach:

Attachments:

1. City Council Study Session Minutes, April 21 2026
2. Regular City Council Business Meeting Minutes, April 28, 2026

CITY OF
BAINBRIDGE ISLAND

City Council Study Session
Tuesday, April 21, 2026

Meeting Minutes

1. Call to Order / Roll Call

Deputy Mayor Hytopoulos called the meeting to order at 6:00 pm in Council Chambers and on the Zoom webinar.

Mayor Moriwaki, Deputy Mayor Hytopoulos, and Councilmembers Fantroy-Johnson, Lant, Mathews, Nelson, and Schneider were present.

2. Approval of Agenda / Conflict of Interest Disclosure

Interim City Manager Schroer asked to defer agenda item 3.D due to staff illness. Mayor Moriwaki moved and Councilmember Lant seconded to approve the agenda as amended. The motion carried unanimously, 7-0.

There were no conflicts of interest disclosed.

3. Regular Business

A. Receive Presentation on the 2023 Greenhouse Gas Inventory Report

Interim City Manager Schroer introduced the agenda item. Andrea Martin and Hailey Weinberg from Cascadia Consulting Group provided a presentation, and Council discussed the topic. The report will be forwarded to a future business meeting for acceptance.

B. Discuss the Framework of an Interlocal Agreement with Kitsap Public Utility District Related to Water System Coordination on Bainbridge Island

Interim City Manager Schroer introduced the agenda item. Public Works Director Wierzbicki provided additional information and introduced Angela Bennink, General Manager from Kitsap Public Utilities District, who provided a presentation. General Manager Bennink and Dave Epperson, Assistant General Manager, answered

Council's questions. Berni Kenworthy, Engineering Manager and Tom Colby, Licensed Hydrogeologist also attended the meeting.

Motion: I move to forward this discussion for a potential Interlocal Agreement to the Utility Advisory Committee for their review and recommendation.
Lant/Schneider: The motion carried 6-1 with Councilmember Nelson voting against.

Councilmember Nelson moved and Councilmember Fantroy-Johnson seconded to amend the motion to add at the end "with a recommendation from the City Council for an added provision providing that any water provided by the City of Bainbridge to KPUD, may only be used to service customers on Bainbridge Island." The amendment failed 6-1 with Councilmember Nelson voting in favor.

C. Receive 2025 Report and 2026 Workplan for the Climate Change Advisory Committee

Interim City Manager Schroer introduced the agenda item. Sanjay Bhatt, Vice-Chair of the Climate Change Advisory Committee (CCAC), provided an update on the work performed in 2025 and presented the 2026 workplan. Council discussed the topic. Mike Cox from the CCAC also attended the meeting and responded to Council's questions.

Councilmember Nelson left Council Chambers temporarily.

Motion: I move to forward the 2026 Workplan for the Climate Change Advisory Committee to a future business meeting for consideration of approval.
Moriwaki/Lant: The motion carried 6-0 with Councilmember Nelson absent.

D. Receive Presentation on the Process to Update the 2020 Climate Action Plan

This item was postponed to a future meeting.

E. Discuss and Provide Direction to the Planning Commission Based on the Requests from the April 9 and April 16, 2026, Planning Commission Meetings

Interim City Manager Schroer introduced the agenda item. Councilmember Nelson returned to Council Chambers.

Motion: I move to proceed with 1.0 adjustment to the existing Base FAR from 3/2, with the addition of cap on maximum square footage based on number of bedrooms.

Mathews/Fantroy-Johnson: The motion failed 4-3 with Mayor Moriwaki and Councilmembers Mathews and Fantroy-Johnson voting in favor.

Motion: I move to direct the Interim City Manager and the Planning Commission not to include in the Preferred Alternative any increase in Base Floor Area Ratio, consistent with the Planning Commission's recommendations.
Nelson/Lant: The motion failed 4-3 with Councilmembers Nelson and Lant and Deputy Mayor Hytopoulos voting in favor.

Motion: I move to direct the Interim City Manager to direct the Planning Commission to discuss a middle-housing bonus-density incentive program that allows up to double the base density when at least 50 percent of the additional units created are restricted as affordable to households earning 110% of Area Median Income or below.
Schneider/Lant: The motion carried 6-1 with Councilmember Nelson voting against.

Motion: I move to direct the city manager to direct city staff to work with the planning commission to expand the provisions of draft section 18.12.030.C.3, proposed by planning commission and providing maximum bonus density for 100% affordable projects in the Winslow Town Center, to create an affordable housing overlay district that includes all of the Winslow sewer service area with a comparable bonus density in the residential zones.
Hytopoulos/Schneider: The motion carried unanimously, 7-0.

Motion: I move to request the Interim City Manager direct our City Attorney and staff to work with Commerce on providing an official decision on whether or not Bainbridge Island can be subject to the builder's remedy sanction given our designation as a critical area and sole source aquifer.
Mathews/Fantroy-Johnson: The motion carried unanimously, 7-0.

Motion: I move to direct the Interim City Manager to include in the Preferred Alternative a discussion of subsidies, which shall include each of the following elements:

- The total number of housing units that require subsidies to be constructed;
- The total cost of subsidizing the number of housing units that require subsidies;
- A discussion of which available funding tools the City of Bainbridge Island

is currently using;
- The gaps in local funding needed to achieve the City's housing allocation targets; and
- A discussion of which local tools can be implemented to help close the funding gaps.

Nelson/Schneider: The motion carried unanimously, 7-0.

Motion: I move to reduce the proposed increases in maximum bonus FAR in the Winslow Town Center to 2.5 FAR.
Hytopoulos/Nelson: The motion carried unanimously, 7-0.

Restated Motion: Councilmember Mathew moved and Councilmember Lant seconded to request that the Equity and Inclusion Manager and Race Equity Advisory Committee work to address section 2.E in the letter from the Department of Commerce.
Mathews/Lant: The motion carried unanimously, 7-0.

Motion: I move to direct the city manager to direct the planning department staff to add the following to a new capacity analysis to be submitted to commerce in a form that includes a table identifying housing capacity at each income level:
(1) The increased capacity available from a category of "bonus parcels", similar to that category used by the city of Sammamish, to include all buildable publicly owned parcels and those owned by religious organizations.
(2) The increased capacity available from the affordable housing overlay described in the previous motion, and all other affordable housing bonuses in the existing BIMC and currently proposed by motion of the planning commission,
(3) A funding gap analysis and plan for addressing that gap.
Hytopoulos/Nelson: The motion carried unanimously, 7-0.

Motion: I move to direct the Interim City Manager to work with the Planning Commission and City staff to include in the Preferred Alternative changes to address the deficiencies noted by the Department of Commerce in its letter dated April 20, 2026.
Nelson/Moriwaki The motion carried unanimously, 7-0.

Restated Motion: Councilmember Mathews moved and Councilmember Fantroy-Johnson seconded to proceed with Planning Commission's 4/6 chart/analysis that showed a deficit of 420 units, to allow Planning Commission to work from that.

The motion carried unanimously, 7-0.

4. Committee Reports

Council members provided an update on local and regional meetings and events.

5. Adjournment

Deputy Mayor Hytopoulos adjourned the meeting at 10:28 pm.

_____

Clarence Moriwaki, Mayor

_____

Christine Brown, MMC, City Clerk

CITY OF
BAINBRIDGE ISLAND

City Council Regular Business Meeting
Tuesday, April 28, 2026

Meeting Minutes

1. Call to Order / Roll Call / Pledge of Allegiance / Land Acknowledgment

Mayor Moriwaki called the meeting to order at 6:00 pm in Council Chambers and on the Zoom webinar.

Mayor Moriwaki and Councilmembers Fantroy-Johnson, Lant, Mathews, Nelson, and Schneider were present. Councilmember Hytopoulos arrived at 6:52 pm.

Mayor Moriwaki led the Pledge of Allegiance. Nolan Boyd, 8th grader from Woodward Middle School, read the Land Acknowledgment.

2. Approval of Agenda / Conflict of Interest Disclosure

Councilmember Fantroy-Johnson moved and Councilmember Nelson seconded to approve the agenda as presented. The motion carried 6-0.

Following a request to add an item to the agenda, Councilmember Mathews moved and Councilmember Fantroy-Johnson seconded to reconsider the agenda motion. The motion carried 5-1 with Councilmember Nelson voting against and Councilmember Hytopoulos absent.

Councilmember Mathews moved and Councilmember Schneider seconded to move approval of the agenda with the addition of an item to rescind a motion she made last week. The motion carried 5-1 with Councilmember Nelson voting against and Councilmember Hytopoulos absent.

The additional agenda item was added to Communications.

There were no conflicts of interest disclosed.

3. Presentation(s)

A. Approve Proclamation Declaring May 1 - May 7 as "Frog Rock Week"

Councilmember Fantroy-Johnson read the proclamation. Councilmember Fantroy-Johnson moved and Councilmember Nelson seconded to authorize the Mayor to sign the proclamation and add it to the list of annual proclamations. The motion carried 6-0 with Councilmember Hytopoulos absent.

Bob and Ellen Green, creators of Frog Rock, and Denise Stoughton accepted the proclamation.

B. Approve Proclamation Declaring the Month of May as "Bike Everywhere Month"

Councilmember Schneider read the proclamation. Councilmember Schneider moved and Councilmember Fantroy Johnson seconded to authorize the Mayor to sign the proclamation and add it to the list of annual proclamations. The motion carried 5-1 with Councilmember Nelson voting against and Councilmember Hytopoulos absent.

Alyse Nelson and her daughter Riley accepted the proclamation.

C. Present Proclamation for Asian American, Native Hawaiian, and Pacific Islander Heritage Month

Councilmember Moriwaki read the proclamation. Vicky Morales and Brittany Morak, daughter and granddaughter of Teddy Morales (Morales Farm) accepted the proclamation.

D. Present Proclamation for Missing and Murdered Indigenous Women and Girls Awareness Month

Councilmember Lant read the proclamation. Equity and Inclusion Manager Wahi provided information on the Port Gamble S'Klallam Tribe's Walk on May 5th.

4. Public Comment

Marcia Cutting spoke about a book related to affordable housing, There is No Place for Us: Working and Homeless in America.

Hannah Abrams spoke in favor of Jewish American Heritage Month.

Akuya Karen Vargas spoke about Historic Preservation Month.

5. Consent Agenda

A. Agenda Bill for Consent Agenda

Councilmember Nelson asked to pull agenda items 5.D and 5.E for discussion.

Motion: I move to approve the consent agenda as amended
Lant/Nelson: The motion carried 6-0 with Councilmember Hytopoulos absent.

B. Approve Accounts Payable and Payroll

C. Approve Meeting Minutes

F. Authorize the Interim City Manager to Execute Amendment No. 1 of the Lost Valley Trail Donation Agreement with Bainbridge Island Parks & Trails Foundation to Increase the Total Donation from $125,000 to $180,000 and Increase the City's Budget Authority for this Project from $160,000 to $215,000, an Increase of $55,000.

G. Adopt Resolution No. 2026-03 Revising the City Financial and Budget Policies

H. Cancel the May 5, 2026, City Council Study Session

6. City Manager's Report

Acting Interim City Manager Wierzbicki provided an update on the e-Bike program. He acknowledged the departing Planning Director, Patty Charnas. Director Charnas provided remarks, and Council members thanked her for her service.

Councilmember Hytopoulos arrived at 6:52 pm.

Mayor Moriwaki recognized departing Public Works Director Chris Wierzbicki for his accomplishments. Council members thanked him for his service.

7. Regular Business

A. Receive Post-Legislative Briefing from Lobbyist Briahna Murray

Mayor Moriwaki introduced the agenda item. Briahna Murray from Gordon Thomas Honeywell Government Relations provided a post-legislative briefing, and Council discussed the topic.

Motion: I move to add to a future study session agenda an agenda item to discuss legislative priorities for the 2027/2028 legislative sessions.
Nelson/ Lant: The motion carried 4-3 with Mayor Moriwaki and Councilmembers Fantroy-Johnson and Mathews voting against.

B. Receive Presentation on the Process to Update the 2020 Climate Action Plan

Mayor Moriwaki introduced the agenda item. Climate and Sustainability Manager Ryser provided a presentation, and Council discussed the topic.

Motion: I move to direct the Interim City Manager to implement the process to update the Climate Action Plan as outlined.
Fantroy-Johnson/Nelson: The motion carried unanimously, 7-0.

C. Receive Update on Comprehensive Plan and Winslow Subarea Plan Update Process

Mayor Moriwaki introduced the agenda item. Planning Director Charnas provided an update.

D. Authorize the Interim City Manager to Execute a Collective Bargaining Agreement with the International Association of Machinists and Aerospace Workers

Acting Interim City Manager Wierzbicki introduced the agenda item, and Council discussed the topic.

Motion: I move to authorize the Interim City Manager to execute the attached collective bargaining agreement with the International Association of Machinists and Aerospace Workers for the period covering January 1, 2026 through December 31, 2028.
Fantroy-Johnson/Nelson: The motion carried unanimously, 7-0.

Items Removed from the Consent Agenda

D. Update to Interlocal Agreement with Bainbridge Island School District (BISD) for Emergency Response Support Services.

Councilmember Nelson posed questions to City Attorney Tsoming on the Interlocal Agreement, and City Attorney Tsoming provided additional

information.

Motion: I move to approve the update to the Interlocal Agreement between the Bainbridge Island School District and the City of Bainbridge Island for emergency response support services.
Nelson/Fantroy-Johnson: The motion carried unanimously, 7-0.

E. Authorize the Interim City Manager to Enter in a Professional Services Agreement with Inter-Fluve, Inc. for the Design and Permitting of the Mac's Dam Removal Project ($357,633.00; Storm and Surface Water Management Fund).

Mayor Moriwaki introduced the agenda item. Councilmember Nelson asked for additional information, and Acting Interim City Manager Wierzbicki provided information on the project.

Motion: I move to authorize the Interim City Manager to enter into a Professional Services Agreement with Inter-Fluve, Inc. for the design and permitting of the Mac's Dam Removal project.
Nelson/Schneider: The motion carried unanimously, 7-0.

8. Communications

A. Consider Request from Councilmember Lant to Add Consideration of City Contribution to YWCA ALIVE Shelter to a Future City Council Meeting

Councilmember Lant provided information on the agenda item.

Motion: Councilmember Lant moved and Councilmember Nelson seconded to place this item on a future business meeting agenda.
The motion carried unanimously, 7-0.

B. Consider Request from Councilmember Schneider to Add an Agenda Item to Vote on Creating a Subcommittee to Collaborate with Washington Department of Transportation (WSDOT) on Highway 305/High School Road Roundabout Options

Councilmember Schneider provided information on the agenda item. There was consensus to place this item on a future Council agenda.

C. Consider Request from Councilmember Nelson to Add an Agenda Item on

Amending Resolution No. 2025-18 to Extend the Deadline for Final Adoption of the Comprehensive Plan to August 18, 2026

Councilmember Nelson provided information on the agenda item request.

Amended Motion: I move to add an agenda item to a future business meeting to discuss amending the deadline in Resolution No. 2025-18.
Nelson/Lant: The motion failed 3-4 with Councilmembers Nelson, Lant, and Hytopoulos voting in favor.

[Added] D. Request to Rescind the Previous Direction to the Planning Commission to Proceed with Planning Commission's 4/6 Analysis

Councilmember Mathews provided information on the agenda item request, and Council discussed the topic.

Motion: I move to rescind the previous direction to the Planning Commission to proceed with the Planning Commission's 4/6 analysis.
Mathews/Fantroy-Johnson: The motion carried 4-3 with Councilmembers Nelson and Lant and Deputy Mayor Hytopoulos voting against.

9. Council Announcements

Council members provided an update on local and regional meetings and events.

10. Adjournment

Mayor Moriwaki adjourned the meeting at 9:12 pm.

_____
Clarence Moriwaki, Mayor

_____
Christine Brown, MMC, City Clerk

CITY OF
BAINBRIDGE ISLAND

City Council Regular Business Meeting Agenda Bill
Tuesday, May 12, 2026

Agenda Item: Ratify the Pre-Approved Purchase Order for a 2026 Ford F250 Pickup Truck as Part of the 2026 Capital Improvement Plan Fleet Purchase ($21,692.08 General Fund, $68,899.87 Streets Fund)

Department: Public Works

Agenda Section: Consent Agenda - 6:50 pm

Estimated Time: 0 Minutes

Recommendation:

I move to ratify the purchase order approved by the Interim City Manager for the purchase of a 2026 Ford F250 pickup truck.

Narrative:

The Public Works Department is adding a medium-duty pickup, as approved in the 2026 Capital Improvement Plan. The vehicle will be used to support the Streets and Facilities division.

At the January 28, 2025, regular business meeting, the City Council authorized the City Manager to make purchases of fleet vehicles up to $350K. Purchases would then be ratified by the City Council after completion of the purchase. This authority was provided to allow the City to move quickly on the purchase of vehicles that are in high demand. Public Works staff worked with Bud Clary Ford using the Washington State Department of Enterprise Services contract for the purchase of a medium-duty pickup in the amount of $90,591.95 including sales tax. The enterprise services contract allows the city to piggyback on the State's negotiated

price for vehicles and equipment, thereby lowering the price that could be received on the open market. The City Manager executed the purchase order as per the above authority provided by the City Council. RCW 43.19.648 generally requires that, to the extent practicable, local governmental vehicles must be fueled by electricity or biofuel. This purchase meets that requirement in that it is equipped with an engine that runs on renewable diesel.

Fiscal Impact:

$90,591.95 - There is appropriation that was added in the 2025-2026 Budget to pay for this purchase.

Community Engagement and Outreach:

Attachments:

1. 2026 Ford F250 Medium Duty Truck_Purchase Order 20260014_Project 01443
2. 2025-2030 Fleet and Equipment CIP

PURCHASE ORDER

CITY OF BAINBRIDGE ISLAND
PUBLIC WORKS O&M

280 Madison Avenue North
Bainbridge Island, WA 98110
Phone: 206.842.2016
Fax: 206.780.3710
www.bainbridgewa.gov

P.O. NO. 20260014
DATE April 8, 2026
CUSTOMER ID: 9682
ORG.: 73501448
OBJECT: 664000
PROJECT: 01443

VENDOR

Bud Clary Ford
P.O. Box 127
Longview, WA 98632
Attn: Kathleen Brennan
360.423.4321 x10943
ford.orders@budclary.com

SHIP TO

City of Bainbridge Island
7305 NE Hidden Cove Rd
Bainbridge Island, WA 98110
Phone: 206.842.1212
Fax: 206.780.5104
Attn: Abbey Burnett

QTY	ITEM #	DESCRIPTION	UNIT PRICE	LINE TOTAL
DES Statewide Contract No. 28423 for Motor Vehicles¤				
1	2026-08009-0001	2026 Ford F-250 4WD	$ 44,500.00	$44,500.00
1	2026-08009-0002	INFORMATION ONLY: Vehicle sales tax is 8.6%.		$0.00
1	2026-08009-0003	INFORMATION ONLY: Bud Clary Ford Hyundai (Clary Longview, LLC) - DES Vendor #W403, State Vendor Payee #SWV0271256		$0.00
1	2026-08009-0004	INFORMATION ONLY: NEW FOR CONTRACT #28423: Delivery location must be selected, see option #0202. Standard equipment includes TWO keys. For additional keys, see option #0210.		$0.00
1	2026-08009-0005	INFORMATION ONLY: Ford Motor Company is not able to guarantee that this vehicle will be produced during the current model year production cycle. Also, due to uncontrollable increasing costs of raw materials, Ford might not be able to provide price protection for vehicles that will need to be re-ordered as 2027 model year. If Ford is unable to build this vehicle, we will contact you when we receive notification, offering the choice of order cancellation without penalty or acceptance of 27MY CARS contract pricing to re-order vehicle (and upfits if applicable) with factory expedited scheduling.		$0.00
1	2026-08009-0006	INFORMATION ONLY: Bud Clary Ford CARS Cancellation Fees: NO fee to cancel order if vehicle has not been scheduled for production and is able to be cancelled at factory. 2% cancellation fee if vehicle has been serialized and is locked in for production by manufacturer. 10% cancellation fee if vehicle has been serialized and has specialized equipment ordered. Custom bodies cannot be cancelled. 2WD and 4x2 vehicles cannot be cancelled. Absolutely NO cancellation if customer has licensed/registered vehicle.		$0.00

1	2026-08009-0007	INFORMATION ONLY: Chassis Upfits (service bodies, flatbeds, dump bodies, cranes, snow plows, liftgates, lighting, etc.) are available and will be installed prior to vehicle delivery. To view, at bottom of page, check the box to the right of DISPLAY UPFIT OPTIONS.		$0.00
1	2026-08009-0010	2026 Ford F250 Pickup, Regular Cab, 4WD, 142WB, 8ft Box, 6.8L V8 Gas, TorqShift-G 10-Speed Automatic Transmission with Select Drive Modes; 10,000# GVWR; 3.73 RAR #X37; LT245/75Rx17E BSW All-Season Tires (F2B/600A/99A/44F/142WB) -- This is the BASE Vehicle, please refer to Vehicle Standard Specifications for complete description.		$0.00
1	2026-08009-0012▫	Alternative Cab/Wheelbase: Extended Cab, 164WB, 8ft box, 10000# GVWR (X2B/164WB)	$ 3,294.00	$3,294.00
1	2026-08009-0021	6.7L 4-Valve OHV Power Stroke V8 Turbo Diesel B20 [Manual push-button engine-exhaust braking; TorqShift 10-Speed Automatic w/ Selectable Drive Modes; Operator Commanded Regeneration (OCR); 190-Amp Alternator; Dual 750CCA Batteries #86M; 3.31 RAR #X31; 10000# GVWR] [Diesel Fuel Tank: 142WB = 29 gallons, 160WB/164WB = 34 gallons, 176WB = 48 gallon] (99T/44G)	$ 10,776.00	$10,776.00
1	2026-08009-0037	Snow Plow Prep Package (4x4 Only) [Includes computer selected springs for snowplow application; 190-Amp Alternator #67D w/ Gas; 410-Amp Dual Alternators #67B w/ Diesel; Rapid-Heat Supplemental Cab Heater #41A w/Diesel] (If ordering GAS engine with either 120V/400W Outlets #43C or Upfitter Switches #66S: Must also order 250-amp alternator #67E) (Not compatible with Heavy Service Front Suspension Packages #67H or #63R) (Ford recommends also ordering dual batteries for maximum compatibility) (473) 120V/400W Outlets #43C or Upfitter Switches #66S: Must also order 250-amp alternator #67E) (Not compatible with Heavy Service Front Suspension Packages #67H or #63R) (Ford recommends also ordering dual batteries for maximum compatibility) (473)	$ 245.00	$245.00
1	2026-08009-0046	Pickup Box Delete (Only available on F250 long wheelbases: Reg Cab 142WB, Ext Cab 164WB, Crew Cab 176WB) [Deletes: Pickup box; Tie-down hooks; Tailgate; Rear bumper; Rearview camera; Spare wheel w/ tire/jack/carrier; 7/4 pin connector] [Includes Rearview Camera and Prep Kit] (Not available with 7.3L Gas Engine #99N or 6.7L High Output Diesel Engine #99M, FX4 Off-Road Package #17X, 360-Degree Camera Package #874, XL Off-Road Package #17Z, F250 >10K GVWR Package #68U, or STX Package #17S) (66D) (Credit)	$ (613.00)	-$613.00
1	2026-08009-0047	Spare tire, Wheel, Carrier, and Jack (Requires #66D Pickup Box Delete) (512)	$ 290.00	$290.00
1	2026-08009-0051	SRW Electronic Locking Rear Axle (Only available with Single Rear Wheel) (3.31 or 3.55 w/diesel, 3.73 or 4.30 w/gas) (X3H/X3J/X3E/X4M)	$ 422.00	$422.00
1	2026-08009-0052	Trailer Brake Controller, including Smart Trailer Tow Connector (included with XLT) (52B)	$ 294.00	$294.00
1	2026-08009-0053	Pro Power Onboard - 2kW (Includes Dual Alternators 12V 250-Amp plus 24V 15-Amp) (Will remove rear underseat storage on XLT Ext Cab) (Must also order Dual Batteries #86M) (Not compatible with other alternator upgrades) (43K)	$ 966.00	$966.00

1	2026-08009-0058	Upfitter Switches (6) (located in overhead console) [Includes 190-amp (gas)/250-amp (diesel) upgraded alternator #67D] (GAS engines: May also order upgraded alternator #67E unless Pro Power is selected) (DIESEL engines: May also order upgraded alternator #67B unless Pro Power is selected) (66S)	$ 226.00	$226.00
1	2026-08009-0066	Wheel Well Liner, Front (61L)	$ 177.00	$177.00
1	2026-08009-0069	Platform Running Boards (Extended/Crew Cabs) (18B)	$ 437.00	$437.00
1	2026-08009-0199	Warranty, Delayed Start (End-User submits request at www.fordwsd.com)		$0.00
1	2026-08009-0200	INFORMATION ONLY: #200-899 Dealer Installed Options. (#200-249 Basic Dealer Options) (#250-299 Setina Manufacturing Equipment: push bumpers, window guards, partitions, prisoner seats, and more) (#300-399 Lighting: Amber lighting packages and options, Spotlights) (#400-699 Truck bed equipment: ProTech Aluminum Cab Racks, Ladder Racks and Toolboxes; Adrian Steel toolboxes; Tonneau covers: Ford hard tri-fold tonneau, Truxedo roll-up Tonneau; Bedslide cargo trays, Decked storage drawers) #700-799 Adrian Steel commercial aluminum truck cap, extendobed, and options) #800-849 ARE V-Series fiberglass canopies and options #900-999 Police/Fire/Amber Lighting packages installed by Day Wireless, Longview. #1000-1999 Truck bodies and upfits by Allied Body Works. (To view #900-1999 options, click on DISPLAY UPFIT OPTIONS at bottom of page).		$0.00
1	2026-08009-0204	Delivery to customer location in Northwest Washington (counties of: Clallam, Island, Jefferson, King, Kitsap, Mason, Pierce, San Juan, Skagit, Snohomish, Whatcom) (DLR)	$ 300.00	$300.00
1	2026-08009-0210	Two (2) Extra RKE Fob w/ Flip Key, programmed (Will give you 4 Fob/Keys total) (DLR)	$ 387.00	$387.00
1	2026-08009-0232	Mud Flaps, Front (DLR)	$ 109.00	$109.00
1	2026-08009-0235	Floor Mats, HD Rubber Molded, Front (Weather Tech) (DLR)	$ 152.00	$152.00
1	2026-08009-0236	Floor Mats, HD Rubber Molded, 2nd Row (Extended/Crew Cabs) (Weather Tech) (DLR)	$ 127.00	$127.00
1	2026-08009-1036	7-Way Flat Pin RV Trailer Plug installed on truck with existing factory hitch. (7-Way or 6-Way Round plugs may	$ 216.00	$216.00
1	2026-08009-1037	Installation of factory provided rearview camera (Must order Ford's Rearview Camera Prep Kit, which is shipped loose from factory) (ABW1037)	$ 167.00	$167.00
1	2026-08009-1038	Installation of factory provided plug with Ford Pro-Power Onboard system. Includes Knapheide outlet box in servcie body. Defaults to front passenger side compartment. (Flatbeds and dump bodies require underbody toolbox to mount outlet box) (ABW1038)	$ 525.00	$525.00
1	2026-08009-1101	Knapheide 8ft 600 Series Service Body Package (56CA, SRW, Box Delete) Includes Solid tops, galva grip bumper, body painted white, automotive style latches, slam lock tailgate, and surface mounted LED taillights with built-in strobes. Strobes wired Hot to upfitter switch. Includes 5in track on dash with universal phone holder, and two grab handles at rear of body. (KNP 696-2) (ABW1101)	14,420.00	$14,420.00
1	2026-08009-1141	Forklift Loadable Utility Rack, default black, white available. (requires Knapheide Service Body Upfit) (KNP UTLR) (ABW1141)	3,293.00	$3,293.00

1	2026-08009-1142	Ratchet straps for Loadrunner or Utility rack for ease of tying down materials, (2) per side, (4) total (RAC RS) (ABW1142)	443.00	$443.00
1	2026-08009-1165	Bedline 8ft Service body cargo area including floor, walls, bulkhead, and back of tailgate (requires Knapheide service body upfit) (BEDLINE-SB8) (ABW1165)	1,621.00	$1,621.00
1	2026-08009-1240	Lighting - Knapheide Front Strobe kit including (2) warning strobe lights for front grille, that tie into Knapheide factory wire harness. Amber, Green, or Blue is available but must be specified at time of order, default is amber. (requires Knapheide service body, or enclosed service body upfit) (KNP 32776970) (ABW1240)	644.00	$644.00
			SUBTOTAL	$83,418.00
			Shipping	
			8.6% Sales Tax	$7,173.95
			TOTAL	**$90,591.95**

Accepted By Contractor:

Contractor: Signed by: Kathleen Brennan 9CE15CA541C84E4... | Kathleen Brennan | Govt Contracts Mgr | 16-Apr-26

Signature | / Printed Name, Title | Date

☒ **By checking this box, the prime contractor agrees that all work and services covered by this PO shall not exceed the above stated amount, including applicable sales tax.**

Accounts Payable:
Accounts Payable Clerk - G. Lin
280 Madison Avenue N.
Bainbridge Island, WA 98110
206.780.8612
accountspayable@bainbridgewa.gov

Signed by: Abigail Burnett E9259C726DDD479... 16-Apr-26

Requested by Abbey Burnett *Date*

DocuSigned by: Ellen Schroer 52DB7FE0204F482... 21-Apr-26

Approved by Ellen Schroer *Date*

Contract Automobile Request System (CARS

Organization Purchase Request Details

Organization Information [Return to Org Requests]

Contract #:	28423 - Motor Vehicles	**Quote #:**	2026-4-117
Status:	Submitted To Dealer	**Submit Date:**	04-07-2026
Organization:	21804 - BAINBRIDGE ISLAND, CITY OF - 21804	**Order Date:**	
Order Contact:	Abbey Burnett	**Expected Delivery Date:**	
Contact Phone:	(206)780-3587	**Delivery Date:**	
Contact Email:	aburnett@bainbridgewa.gov	**Cancel Date:**	
		Organization Reference #:	
Dealer:	Bud Clary Ford - W403	**Organization PO #:**	
Dealer Address:		**Dealer Contact:**	Kathleen Brennan
		Dealer Phone:	(360) 423-4321 Ext: 10943
		Dealer Email:	ford.orders@budclary.com
Internal Notes:			
Comments To Dealer:	Deliver to 7305 NE Hidden Cove Rd, Bainbridge Island, WA 98110		
Dealer Reference #:	26-0333 C245		
Dealer Comments:	4/14/2026: Revised to delete #0036 F250 >10K GVWR Package $98.00, delete #1019 Allied to remove and retain pickup bed. $1,541.00, add #0046 Pickup Box Delete ($613.00), add #0047 Spare tire, Wheel, Carrier, and Jack $290.00, add #1036 7-Way Flat Pin RV Trailer Plug $216.00, add #1037 Installation of factory provided rearview camera $167.00. Awaiting PO.		

Color Options

Color Name	Quantity
Oxford White (Z1)	1

Tax Exempt: N

Vehicle Options

Order Code	Order Code Description	Qty	Unit Price	Ext. Price
2026-08009-0001	2026 Ford F-250 4WD	1	$44,500.00	$44,500.00
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

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2026-08009-0003	INFORMATION ONLY: Bud Clary Ford Hyundai (Clary Longview, LLC) - DES Vendor #W403, State Vendor Payee #SWV0271256	1	$0.00	$0.00
2026-08009-0004	INFORMATION ONLY: NEW FOR CONTRACT #28423: Delivery location must be selected, see option #0202. Standard equipment includes TWO keys. For additional keys, see option #0210.	1	$0.00	$0.00
2026-08009-0005	INFORMATION ONLY: Ford Motor Company is not able to guarantee that this vehicle will be produced during the current model year production cycle. Also, due to uncontrollable increasing costs of raw materials, Ford might not be able to provide price protection for vehicles that will need to be re-ordered as 2027 model year. If Ford is unable to build this vehicle, we will contact you when we receive notification, offering the choice of order cancellation without penalty or acceptance of 27MY CARS contract pricing to re-order vehicle (and upfits if applicable) with factory expedited scheduling.	1	$0.00	$0.00
2026-08009-0006	INFORMATION ONLY: Bud Clary Ford CARS Cancellation Fees: NO fee to cancel order if vehicle has not been scheduled for production and is able to be cancelled at factory. 2% cancellation fee if vehicle has been serialized and is locked in for production by manufacturer. 10% cancellation fee if vehicle has been serialized and has specialized equipment ordered. Custom bodies cannot be cancelled. 2WD and 4x2 vehicles cannot be cancelled. Absolutely NO cancellation if customer has licensed/registered vehicle.	1	$0.00	$0.00
2026-08009-0007	INFORMATION ONLY: Chassis Upfits (service bodies, flatbeds, dump bodies, cranes, snow plows, liftgates, lighting, etc.) are available and will be installed prior to vehicle delivery. To view, at bottom of page, check the box to the right of DISPLAY UPFIT OPTIONS.	1	$0.00	$0.00
2026-08009-0010	2026 Ford F250 Pickup, Regular Cab, 4WD, 142WB, 8ft Box, 6.8L V8 Gas, TorqShift-G 10-Speed Automatic Transmission with Select Drive Modes; 10,000# GVWR; 3.73 RAR #X37; LT245/75Rx17E BSW All-Season Tires (F2B/600A/99A/44F/142WB) -- This is the BASE Vehicle, please refer to Vehicle Standard Specifications for complete description.	1	$0.00	$0.00
2026-08009-0012	Alternative Cab/Wheelbase: Extended Cab, 164WB, 8ft box, 10000# GVWR (X2B/164WB)	1	$3,294.00	$3,294.00
2026-08009-0021	6.7L 4-Valve OHV Power Stroke V8 Turbo Diesel B20 [Manual push-button engine-exhaust braking; TorqShift 10-Speed Automatic w/ Selectable Drive Modes; Operator Commanded Regeneration (OCR); 190-Amp Alternator; Dual 750CCA Batteries #86M; 3.31 RAR #X31; 10000# GVWR] [Diesel Fuel Tank: 142WB = 29 gallons, 160WB/164WB = 34 gallons, 176WB = 48 gallon] (99T/44G)	1	$10,776.00	$10,776.00
2026-08009-0037	Snow Plow Prep Package (4x4 Only) [Includes computer selected springs for snowplow application; 190-Amp Alternator #67D w/ Gas; 410-Amp Dual Alternators #67B w/ Diesel; Rapid-Heat Supplemental Cab Heater #41A w/Diesel] (If ordering GAS engine with either 120V/400W Outlets #43C or Upfitter Switches #66S: Must also order 250-amp alternator #67E) (Not compatible with Heavy Service Front Suspension Packages #67H or #63R)	1	$245.00	$245.00

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	(Ford recommends also ordering dual batteries for maximum compatibility) (473)			
2026-08009-0046	Pickup Box Delete (Only available on F250 long wheelbases: Reg Cab 142WB, Ext Cab 164WB, Crew Cab 176WB) [Deletes: Pickup box; Tie-down hooks; Tailgate; Rear bumper; Rearview camera; Spare wheel w/ tire/jack/carrier; 7/4 pin connector] [Includes Rearview Camera and Prep Kit] (Not available with 7.3L Gas Engine #99N or 6.7L High Output Diesel Engine #99M, FX4 Off-Road Package #17X, 360-Degree Camera Package #874, XL Off-Road Package #17Z, F250 >10K GVWR Package #68U, or STX Package #17S) (66D) (Credit)	1	($613.00)	($613.00)
2026-08009-0047	Spare tire, Wheel, Carrier, and Jack (Requires #66D Pickup Box Delete) (512)	1	$290.00	$290.00
2026-08009-0051	SRW Electronic Locking Rear Axle (Only available with Single Rear Wheel) (3.31 or 3.55 w/diesel, 3.73 or 4.30 w/gas) (X3H/X3J/X3E/X4M)	1	$422.00	$422.00
2026-08009-0052	Trailer Brake Controller, including Smart Trailer Tow Connector (included with XLT) (52B)	1	$294.00	$294.00
2026-08009-0053	Pro Power Onboard - 2kW (Includes Dual Alternators 12V 250-Amp plus 24V 15-Amp) (Will remove rear underseat storage on XLT Ext Cab) (Must also order Dual Batteries #86M) (Not compatible with other alternator upgrades) (43K)	1	$966.00	$966.00
2026-08009-0058	Upfitter Switches (6) (located in overhead console) [Includes 190-amp (gas)/250-amp (diesel) upgraded alternator #67D] (GAS engines: May also order upgraded alternator #67E unless Pro Power is selected) (DIESEL engines: May also order upgraded alternator #67B unless Pro Power is selected) (66S)	1	$226.00	$226.00
2026-08009-0066	Wheel Well Liner, Front (61L)	1	$177.00	$177.00
2026-08009-0069	Platform Running Boards (Extended/Crew Cabs) (18B)	1	$437.00	$437.00
2026-08009-0199	Warranty, Delayed Start (End-User submits request at www.fordwsd.com)	1	$0.00	$0.00
2026-08009-0200	INFORMATION ONLY: #200-899 Dealer Installed Options. (#200-249 Basic Dealer Options) (#250-299 Setina Manufacturing Equipment: push bumpers, window guards, partitions, prisoner seats, and more) (#300-399 Lighting: Amber lighting packages and options, Spotlights) (#400-699 Truck bed equipment: ProTech Aluminum Cab Racks, Ladder Racks and Toolboxes; Adrian Steel toolboxes; Tonneau covers: Ford hard tri-fold tonneau, Truxedo roll-up Tonneau; Bedslide cargo trays, Decked storage drawers) #700-799 Adrian Steel commercial aluminum truck cap, extendobed, and options) #800-849 ARE V-Series fiberglass canopies and options #900-999 Police/Fire/Amber Lighting packages installed by Day Wireless, Longview. #1000-1999 Truck bodies and upfits by Allied Body Works. (To view #900-1999 options, click on DISPLAY UPFIT OPTIONS at bottom of page).	1	$0.00	$0.00
2026-08009-0204	Delivery to customer location in Northwest Washington (counties of: Clallam, Island, Jefferson, King, Kitsap, Mason, Pierce, San Juan, Skagit, Snohomish,	1	$300.00	$300.00

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2026-08009-0210	Two (2) Extra RKE Fob w/ Flip Key, programmed (Will give you 4 Fob/Keys total) (DLR)	1	$387.00	$387.00
2026-08009-0232	Mud Flaps, Front (DLR)	1	$109.00	$109.00
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2026-08009-0236	Floor Mats, HD Rubber Molded, 2nd Row (Extended/Crew Cabs) (Weather Tech) (DLR)	1	$127.00	$127.00
2026-08009-1036	7-Way Flat Pin RV Trailer Plug installed on truck with existing factory hitch. (7-Way or 6-Way Round plugs may be ordered in lieu of 7-Way Flat RV plug, at no charge, must specify at time of order) (TC1775P) (ABW1036)	1	$216.00	$216.00
2026-08009-1037	Installation of factory provided rearview camera (Must order Ford's Rearview Camera Prep Kit, which is shipped loose from factory) (ABW1037)	1	$167.00	$167.00
2026-08009-1038	Installation of factory provided plug with Ford Pro-Power Onboard system. Includes Knapheide outlet box in servcie body. Defaults to front passenger side compartment. (Flatbeds and dump bodies require underbody toolbox to mount outlet box) (ABW1038)	1	$525.00	$525.00
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2026-08009-1141	Forklift Loadable Utility Rack, default black, white available. (requires Knapheide Service Body Upfit) (KNP UTLR) (ABW1141)	1	$3,293.00	$3,293.00
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2026-08009-1165	Bedline 8ft Service body cargo area including floor, walls, bulkhead, and back of tailgate (requires Knapheide service body upfit) (BEDLINE-SB8) (ABW1165)	1	$1,621.00	$1,621.00
2026-08009-1240	Lighting - Knapheide Front Strobe kit including (2) warning strobe lights for front grille, that tie into Knapheide factory wire harness. Amber, Green, or Blue is available but must be specified at time of order, default is amber. (requires Knapheide service body, or enclosed service body upfit) (KNP 32776970) (ABW1240)	1	$644.00	$644.00

Catalytic Converter Marking

No option was selected

Request Totals

Total Vehicles: **1**

Sub Total: **$83,418.00**

8.6 % Sales Tax: **$7,173.95**

Request Total: **$90,591.95**

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City of Bainbridge Island
Fleet and Equipment CIP (2025 - 2030)
2025 - 2026 Adopted Budget

Project	General Fund	Streets Fund	Water Fund	Sewer Fund	SSWM Fund	Prev. Years	2025	2026	2027	2028	2029	2030	Total
FLEET & EQUIPMENT - 6-YEAR CIP (1000s)													
Police Vehicles (2) (replace)	100%					-	220	230	240	250	260	270	**1,470**
Truck Cab and Chassis		50%			50%	300	-	-	-	-	-	-	**300**
Heavy Duty Pickup (replace)	20%	80%				-	175	-	-	-	-	-	**175**
Compressor (new)		100%				-	50	-	-	-	-	-	**50**
Medium Duty Pickup (replace)		100%					100						**100**
Asphalt Patch Machine (replace)		100%				-	325	-	-	-	-	-	**325**
Forklift (replace)	20%	20%	20%	20%	20%	-	-	100	-	-	-	-	**100**
Asphalt Roller (new)		100%				-	-	80	-	-	-	-	**80**
Pup Trailer (new)		50%			50%	-	-	150	-	-	-	-	**150**
Electric Medium Pick-up (new)	20%	20%	20%	20%	20%	-	-	100		-	-	-	**100**
Ravo Street Sweeper (replace)		20%			80%	-	-	-	750	-	-	-	**750**
Electric Sedan (new)	20%	20%	20%	20%	20%	-	-	-	80	-	-	-	**80**
Commercial Mower (replace)					100%	-	-	-	40	-	-	-	**40**
Backhoe (replace)	20%	20%	20%	20%	20%	-	-	-	-	350	-	-	**350**
Dump Truck (replace)	20%	20%	20%	20%	20%	-	-	-	-	325	-	-	**325**
Backhoe (replace)	20%	20%	20%	20%	20%	-	-	-	-	-	400	-	**400**
Roadside Mower (replace)		100%				-	-	-	-	-	325	-	**325**
					TOTALS	**300**	**870**	**660**	**1,110**	**925**	**985**	**270**	**5,120**

Amounts in thousands

CITY OF
BAINBRIDGE ISLAND

City Council Regular Business Meeting Agenda Bill
Tuesday, May 12, 2026

Agenda Item: Accept the 2023 Greenhouse Gas Inventory Report

Department: Executive

Agenda Section: Consent Agenda - 6:50 pm

Estimated Time: 0 Minutes

Recommendation:

I move to accept the 2023 Greenhouse Gas Inventory report as presented at the April 21, 2026, City Council study session.

Narrative:

At the April 21, 2026, City Council Study Session, Cascadia Consulting provided a presentation on the 2023 Greenhouse Gas Inventory report.

Background:

At the November 12, 2024, business meeting, City Council approved the agreement for Cascadia Consulting to perform an update to the City's greenhouse gas (GHG) inventory for the year 2023 and provide associated analysis and reporting. GHG inventories quantify the amount of greenhouse gas pollution produced by an entity—in this case, from the Bainbridge Island community and municipal government operations.

Prior to this 2023 inventory, the City of Bainbridge Island completed a greenhouse

gas inventory in 2019, reporting on emissions from 2014 and 2018 activities. The year 2014 serves as the baseline against which to measure the impact of the city's efforts to reduce greenhouse gas emissions through a variety of actions as recommended by the Climate Action Plan. The inventories are conducted using widely accepted tools and protocols, including The Climate Registry's Local Government Operations Protocol and the U.S. Community Protocol.

This update provides a five-year progress report as compared to the 2018 data used in the prior report and will serve as a basis for planned updates to the Climate Action Plan. Deliverables in the update include:

- Community inventory update
- Municipal inventory update
- Community contributions analysis to allow understanding of external factors driving emissions trends
- Community greenhouse gas inventory report and trend analysis
- Municipal greenhouse gas inventory report and trend analysis

The Climate Action Plan, adopted in 2020, is a cornerstone of City climate policy, and implementing the Climate Action Plan is one of the City Council's highest priorities and areas of emphasis as approved in 2025. As the City continues to take action to reduce emissions, these inventories will serve as helpful tools for tracking progress and making improvements along the way.

Fiscal Impact:

Community Engagement and Outreach:

Attachments:

1. 2023 Greenhouse Gas Inventory Council Presentation
2. 2023 Greenhouse Gas Inventory Report

2023 Greenhouse Gas Emissions Inventory

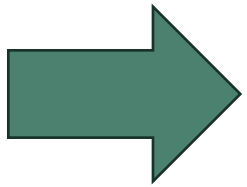
Findings Summary for Bainbridge Island
April 2026

CASCADIA CONSULTING GROUP

Objectives & Methodology

Objectives

- Update **2023** GHG emissions inventories for:
  - **Municipal government operations**
  - **Community**
- Update the **2023** communitywide **contribution analysis** to illuminate drivers of inventory trends.

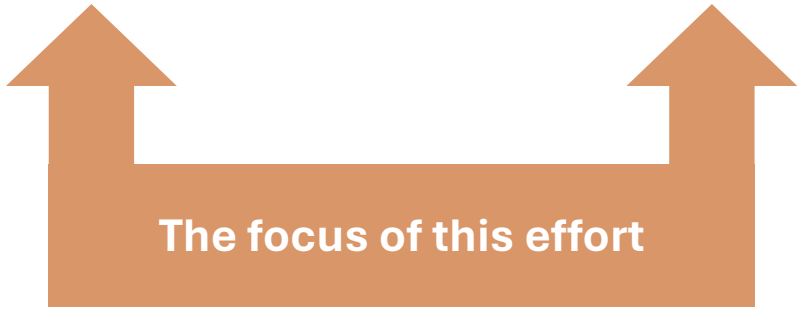


Better understand Bainbridge Island's sources of GHG emissions to inform climate action planning and implementation.

CASCADIA CONSULTING GROUP

Types of GHG Inventories

Community Inventories	Government Operations Inventories	Consumption Based Inventories
Quantifies emissions that are generated either within a community's geographic boundaries, or directly from community activities.	Quantifies emissions that are generated from activities that are under a local government's sphere of influence.	Quantifies **all** direct or indirect emissions that are generated by a community or organization, regardless of location.



CASCADIA CONSULTING GROUP

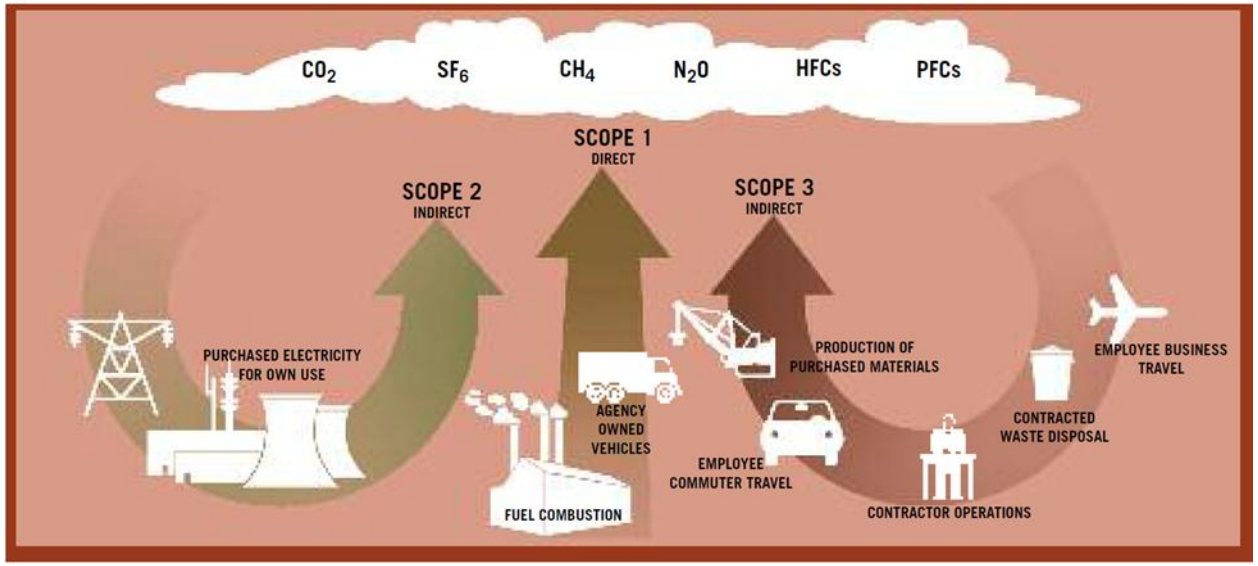
GHG Inventory Methodology

- **Protocols:**
  - *U.S. Community Protocol for Accounting and Reporting of Greenhouse Gas Emissions*
  - *Global Protocol for Community-Scale Greenhouse Gas Inventories*
  - *Local Government Operations Protocol*

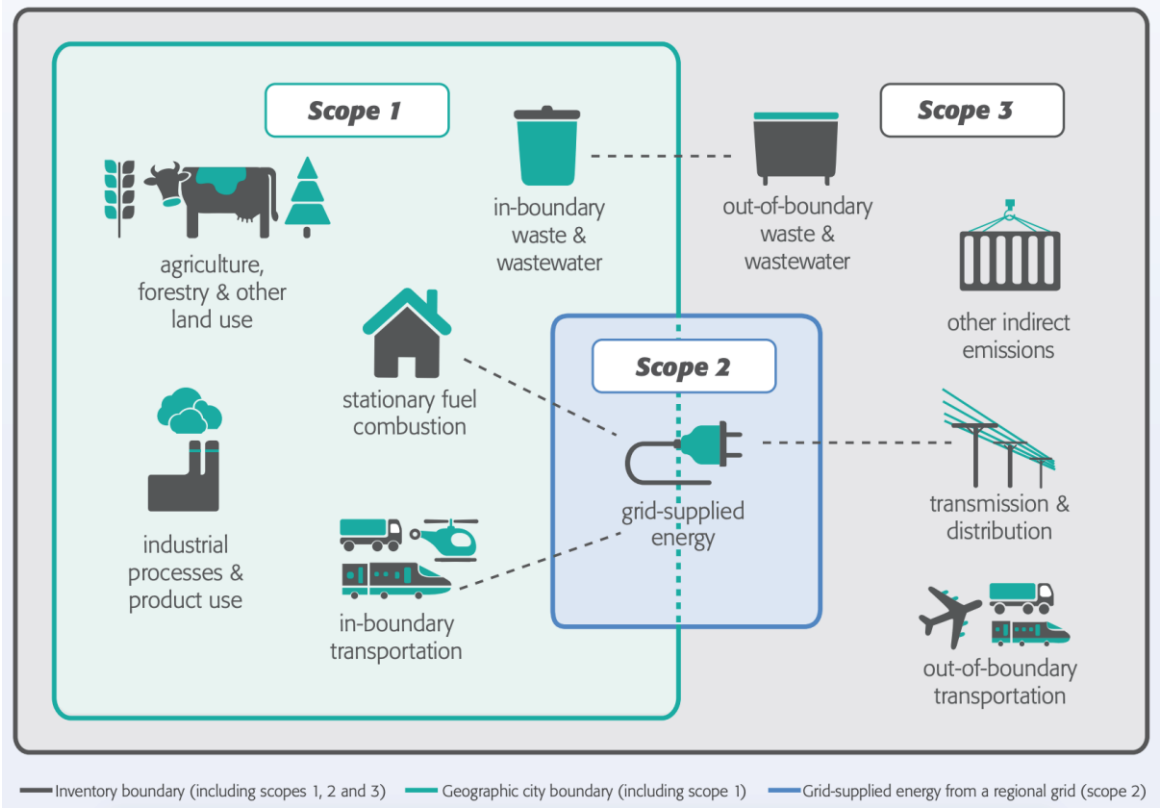
- **Inventory platform:**
  - **ClearPath**, following the guidance of the protocols listed above.

GHG Inventory Scopes

Municipal



Communitywide



Bainbridge Island GHG Inventory Sources

Community Inventory

1. **Building Energy**
   - Electricity (Residential, Commercial, Industrial)
   - Fuel Oil (Residential)
   - Propane (Residential, Commercial, Industrial)
2. **Transportation & Other Mobile Sources**
   - On-Road Vehicles
   - Off-Road Equipment
   - Public Transit
   - Ferries
   - Air Travel
3. **Solid Waste & Wastewater Treatment**
   - Compost, Landfill
   - Wastewater Treatment, Septic Systems
4. **Process & Fugitive Emissions**
   - Refrigerants
5. **Agriculture**
   - Enteric Fermentation
   - Manure Management

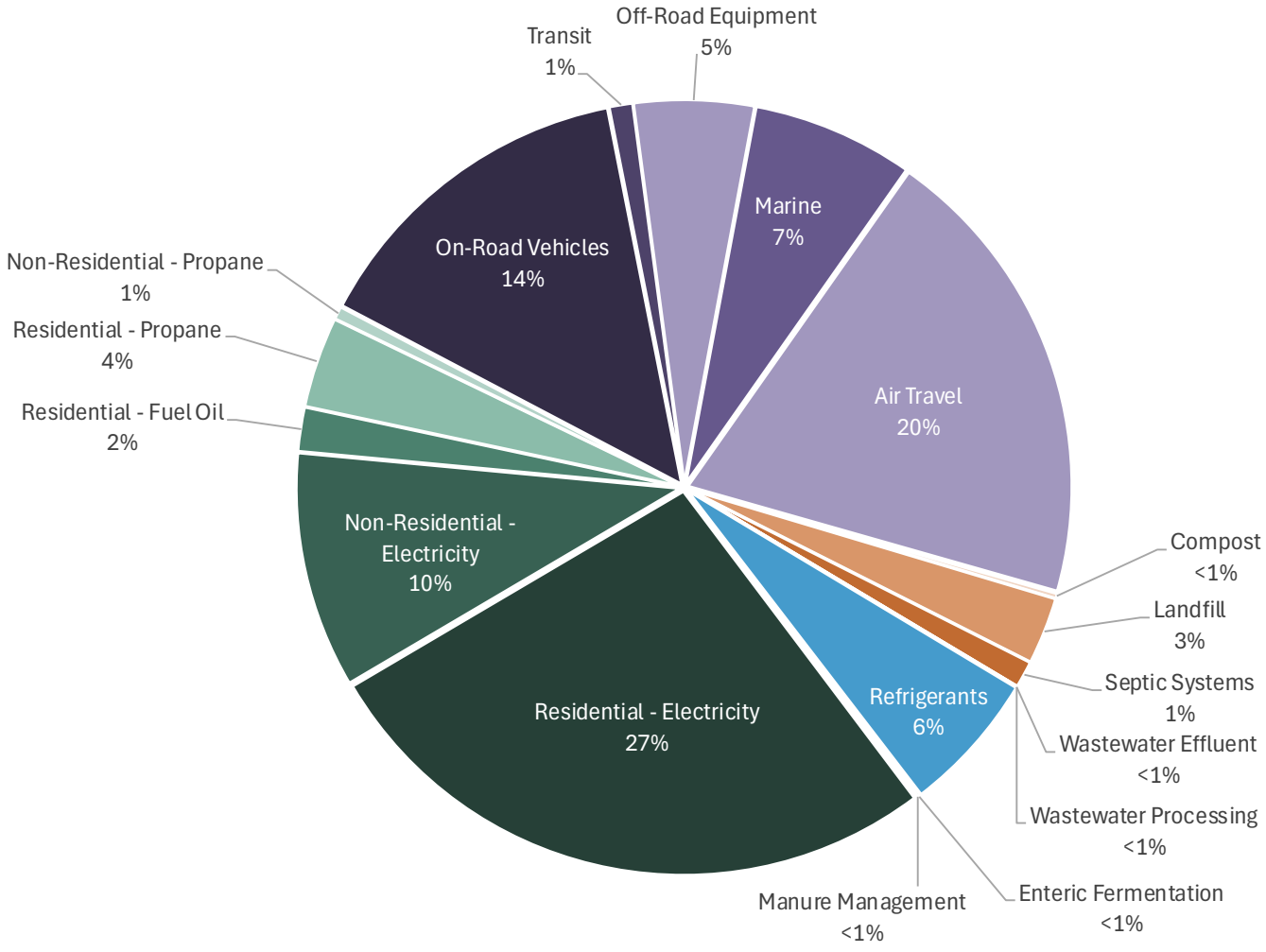
Government Operations Inventory

1. **Building & Facilities Energy**
   - Electricity (Facilities, Streetlights & Traffic Signals)
   - Propane
2. **Transportation & Other Mobile Sources**
   - Fleet Vehicles
   - Off-Road Fleet Equipment
   - Employee Commute
3. **Solid Waste & Wastewater**
   - Compost, Landfill
   - Wastewater Treatment Process
4. **Process & Fugitive Emissions**
   - Refrigerants

CASCADIA CONSULTING GROUP

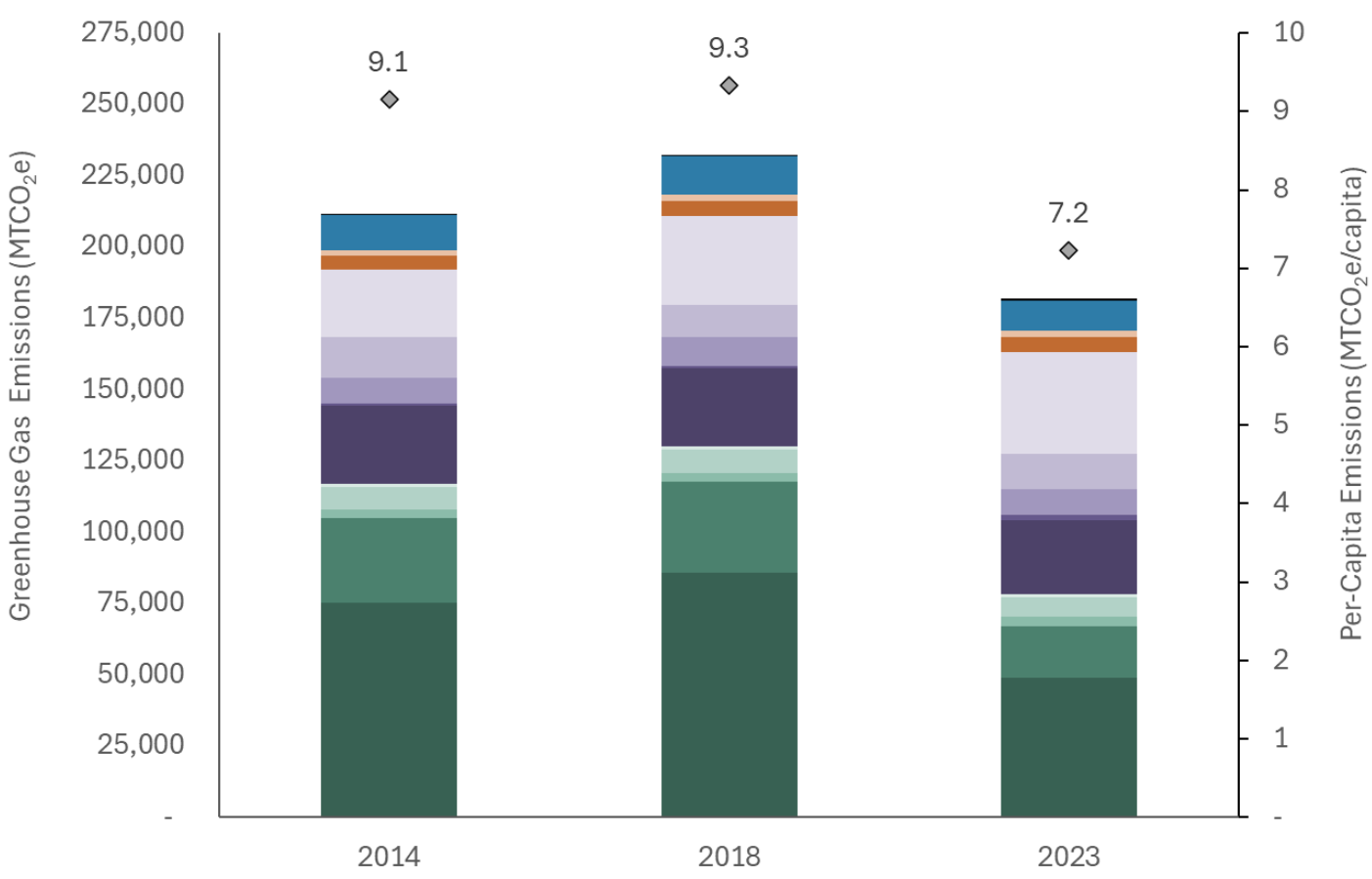
Communitywide Emissions

2023 Community Emissions



- **Total = 182,049 $MTCO_2e$**
- **Largest sources:**
  - **Residential Energy**
    - **Electricity (27%)**
  - **Transportation & Other Mobile Sources**
    - **Air Travel (20%)**
    - **On-Road Vehicles (14%)**

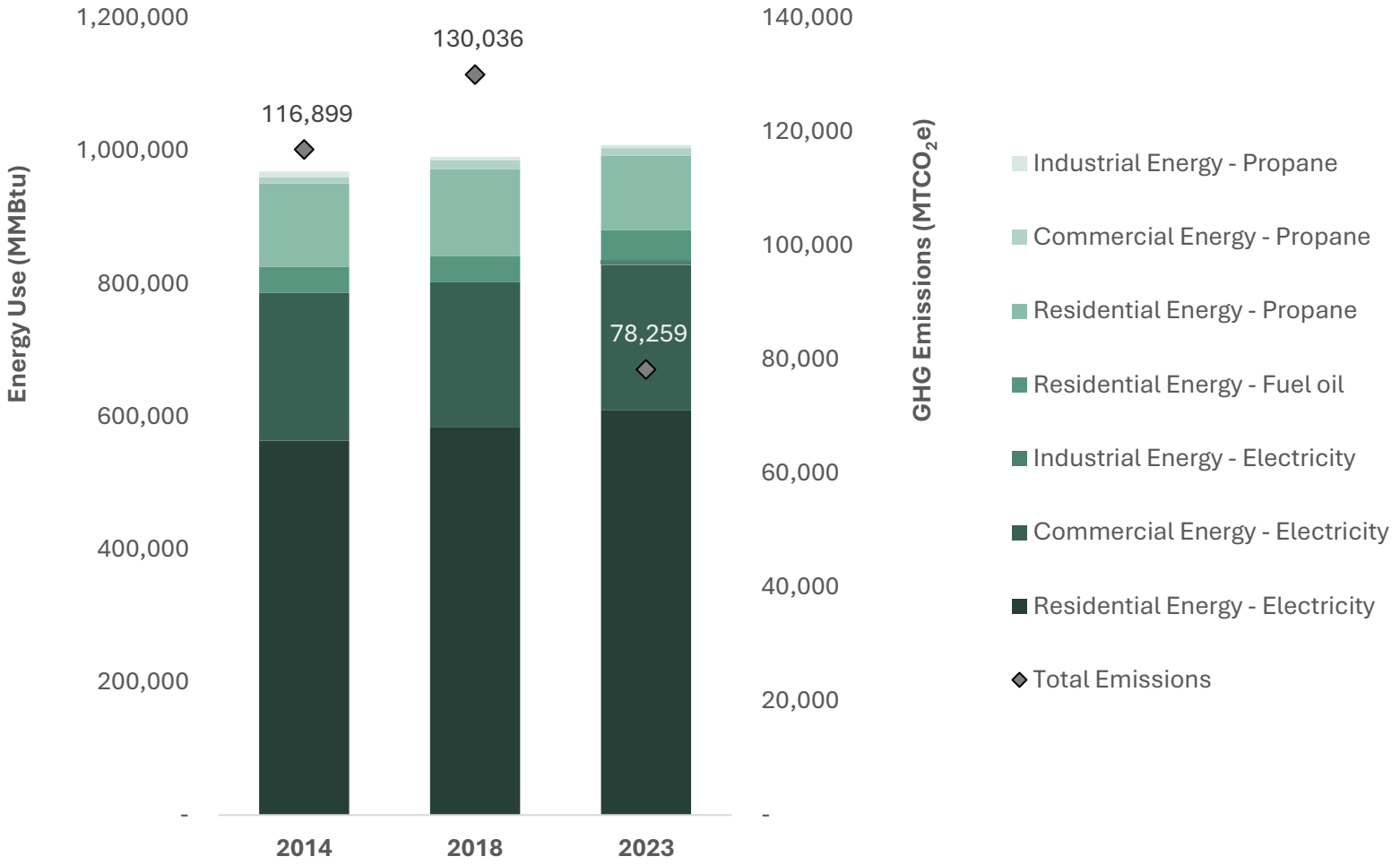
Communitywide Emission Trends



Since 2014:

- 14% decrease in emissions
- 21% per-capita decrease in emissions
- Largest driver of emission decreases is the availability of cleaner electricity

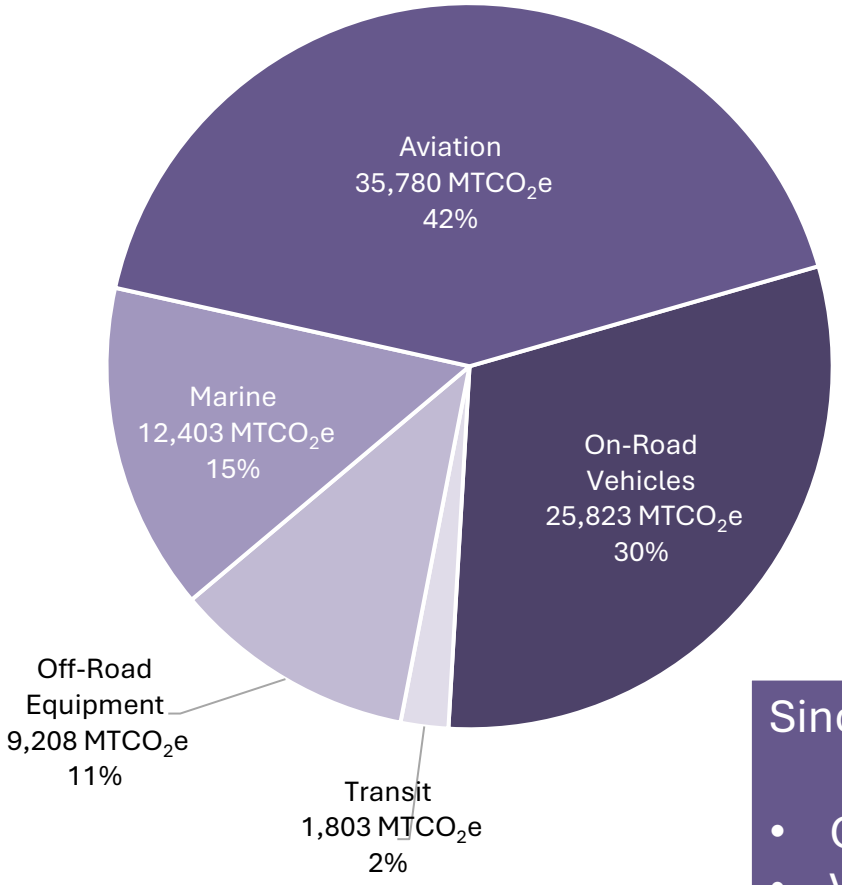
Detailed Findings: Energy

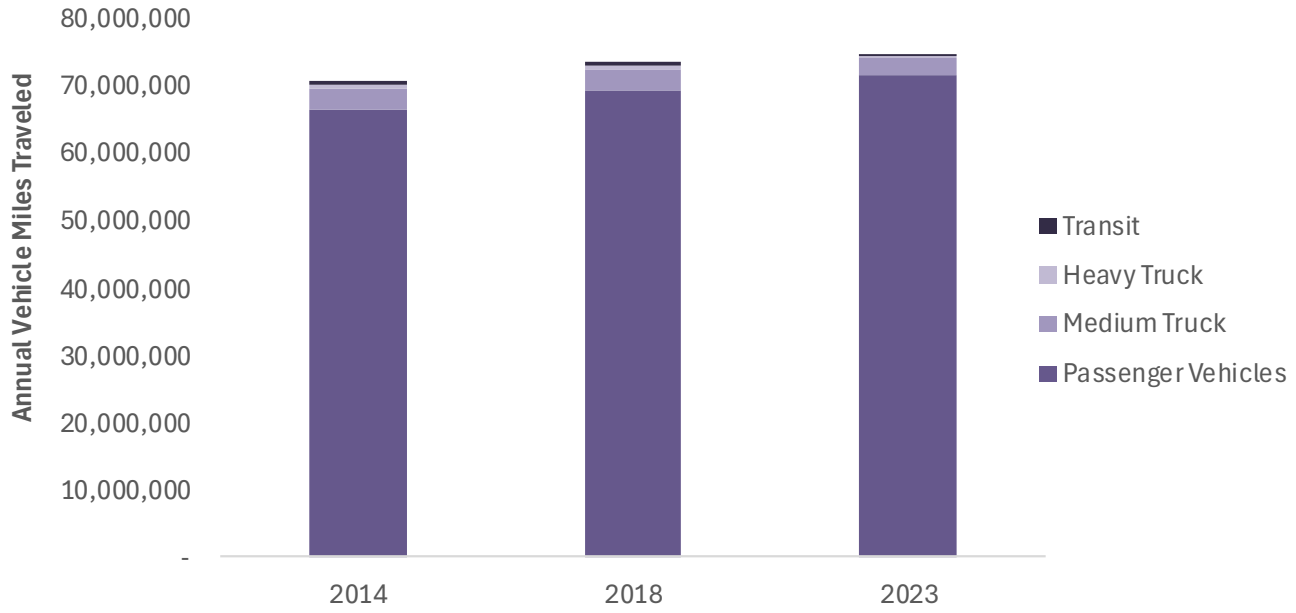


Since 2014:

- Residential electricity consumption increased 8%
- Non-residential electricity consumption increased 1%
- Increase in PSE green power program participation & renewables in PSE's fuel mix

Detailed Findings: Transportation

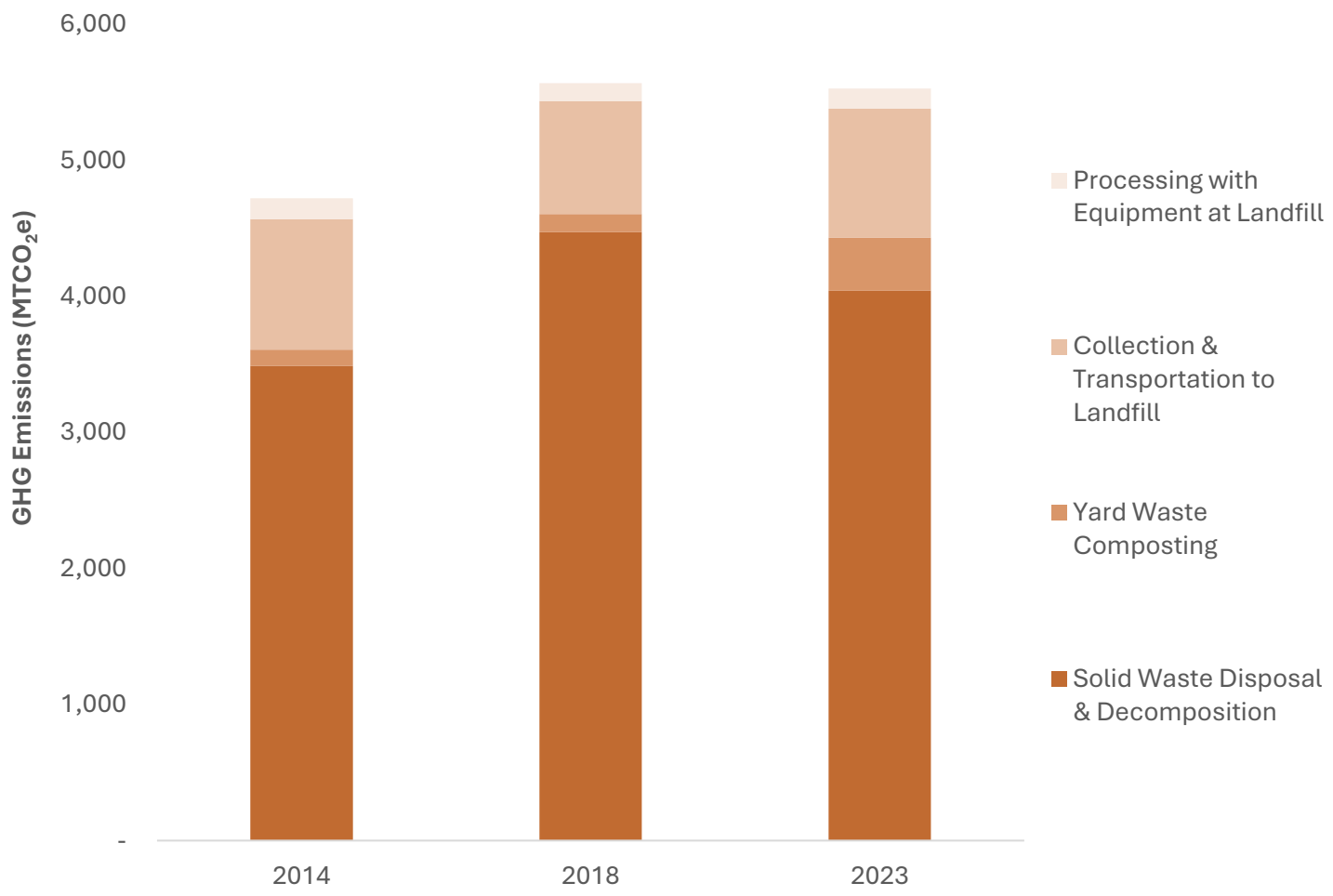




Since 2014:

- Overall transportation emissions increased 13%.
- VMT increased 6%.
- On-road emissions decreased by 6%.
- Aviation emissions increased 49% (*note that these are estimated from SeaTac fuel consumption trends and county-level passenger surveys*).

Detailed Findings: Solid Waste



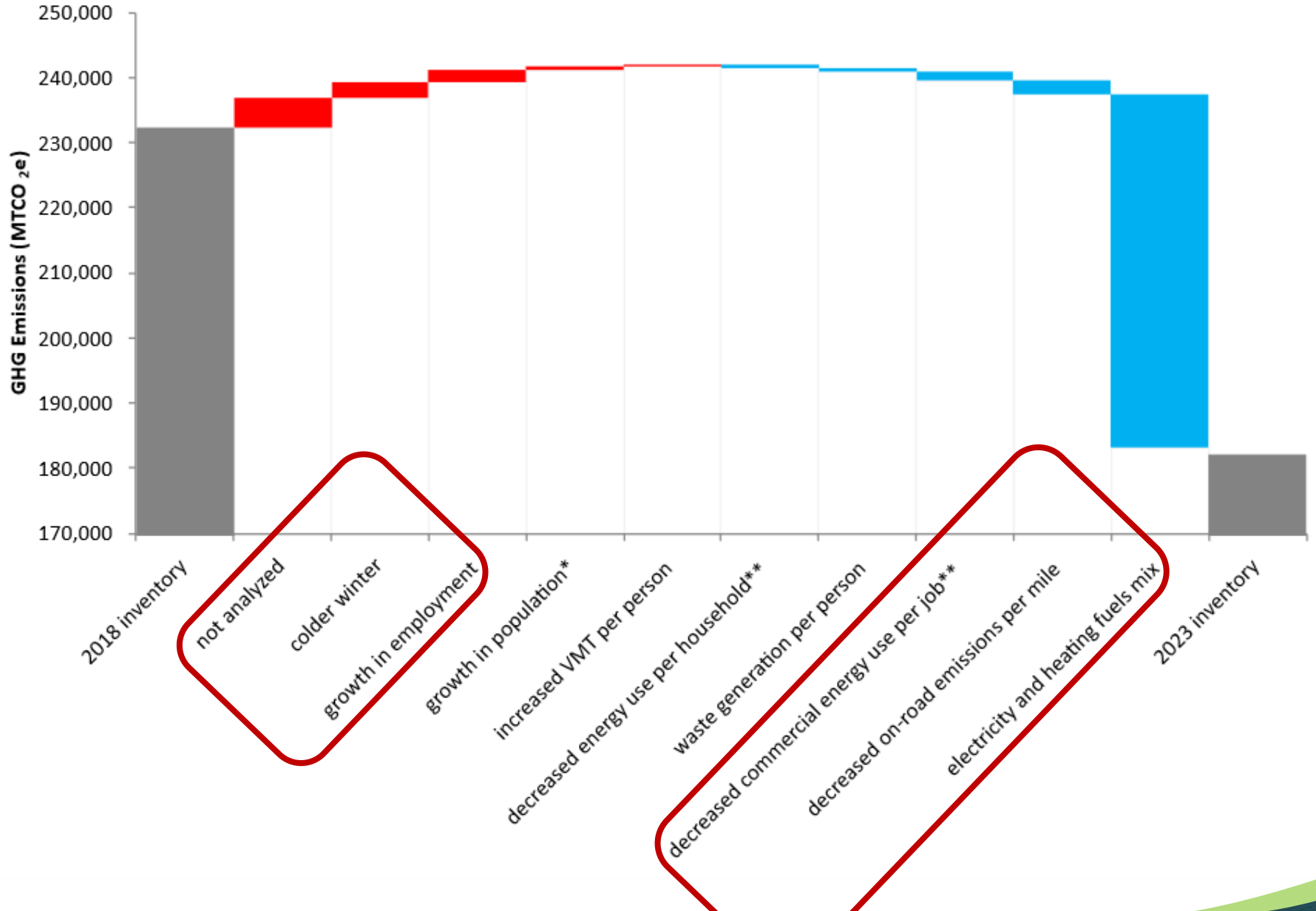
Since 2014:

- 17% emissions increase
- 61% increase in composted tonnage
- 4% decrease in single family landfilled waste tonnage
- 9% increase in multi-family/commercial landfilled waste tonnage

What's driving emissions changes?

- **Quantifies drivers of observed inventory trends, such as:**
  - Weather
  - Energy grid
  - Population growth
  - Per-capita energy consumption
  - Economic changes
  - Fuel switching

Contribution Analysis – Results



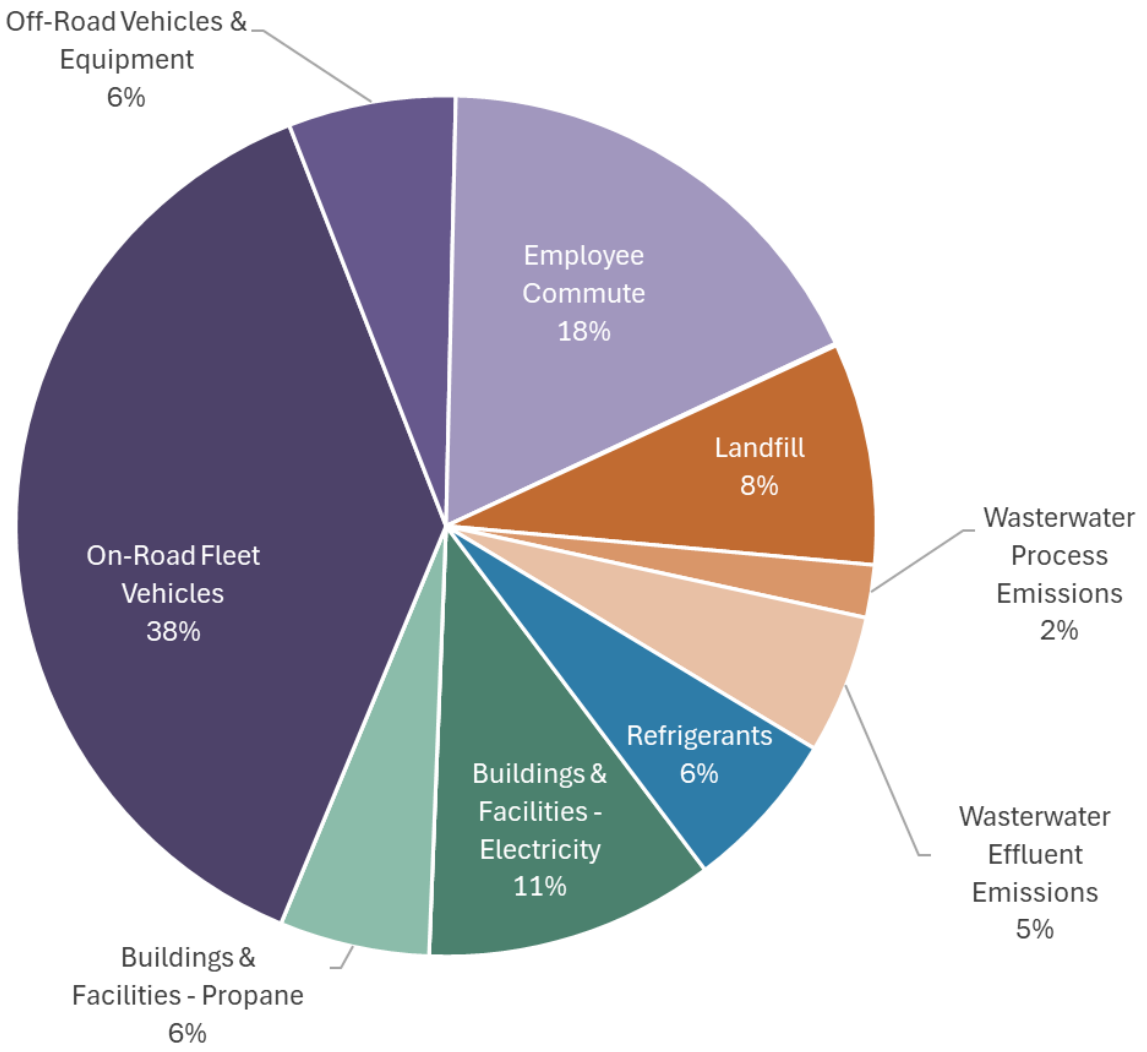
Communitywide Takeaways

- Trending in the right direction!
- Majority of emissions from the **residential energy** and **transportation** sectors.
- Largest changes in electricity (-) and air travel (+) emissions.
- Notes/caveats:
  - Some sectors (e.g., air travel) are downscaled to city-level based on county-level estimates.
  - Residential fuel oil and propane are estimated based on downscaled state-level per-household consumption data & city Census heating fuel data. Commercial and industrial propane are estimate based on downscaled state-level per-employee consumption data.

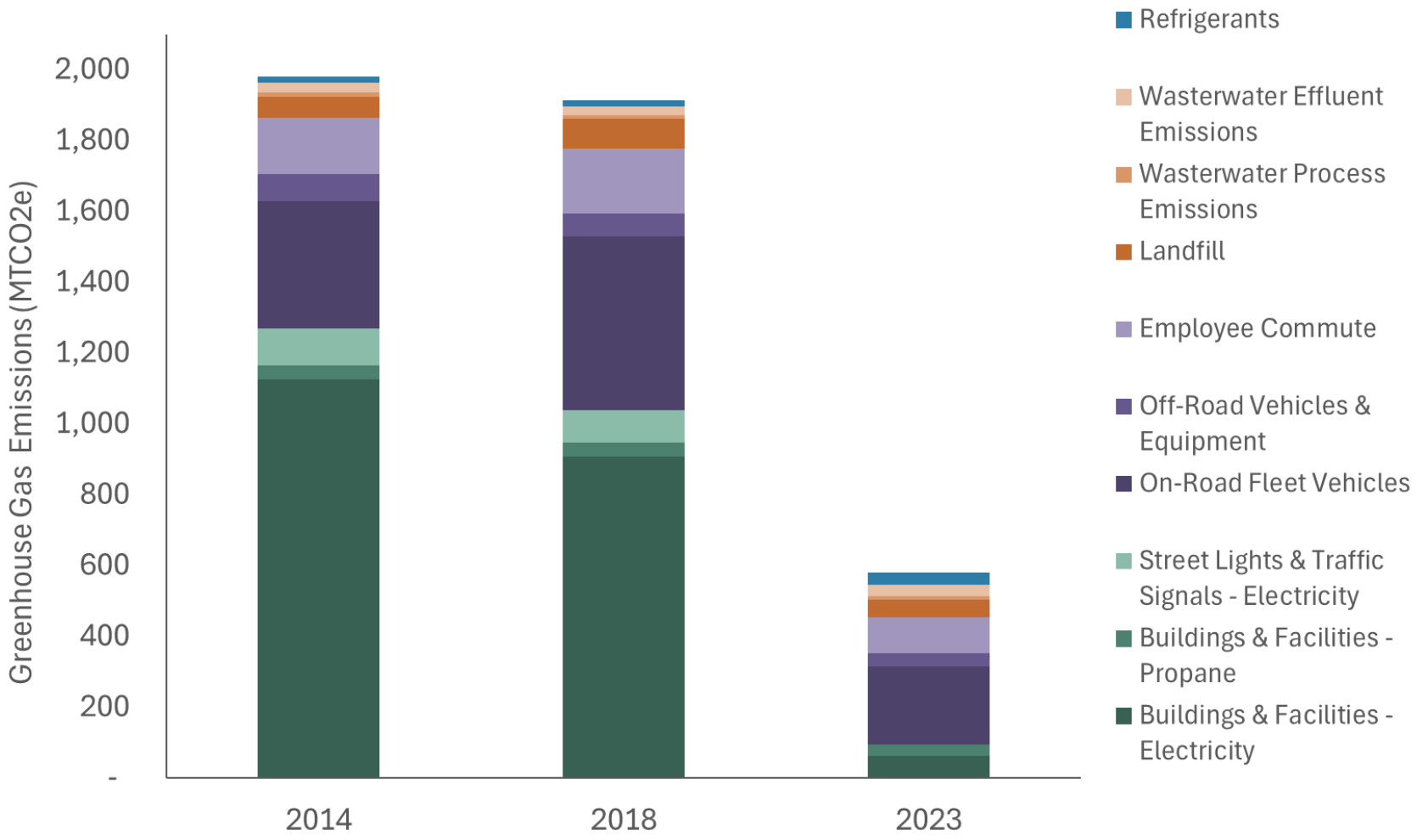
Municipal (Government Operations) Emissions

2023 Municipal (Government Operations) Emissions

- Total = 581 $MTCO_2e$
- 0.3% of communitywide emissions
- Largest emissions sources
  - Transportation & Other Mobile Sources
    - On-Road Vehicles (38%)
    - Off-Road Equipment (6%)
  - Buildings/Facilities
    - Electricity (11%)



Municipal Emissions Trends



Since 2014:

- 71% decrease in emissions
- Driven by reduction in electricity & fleet vehicle emissions

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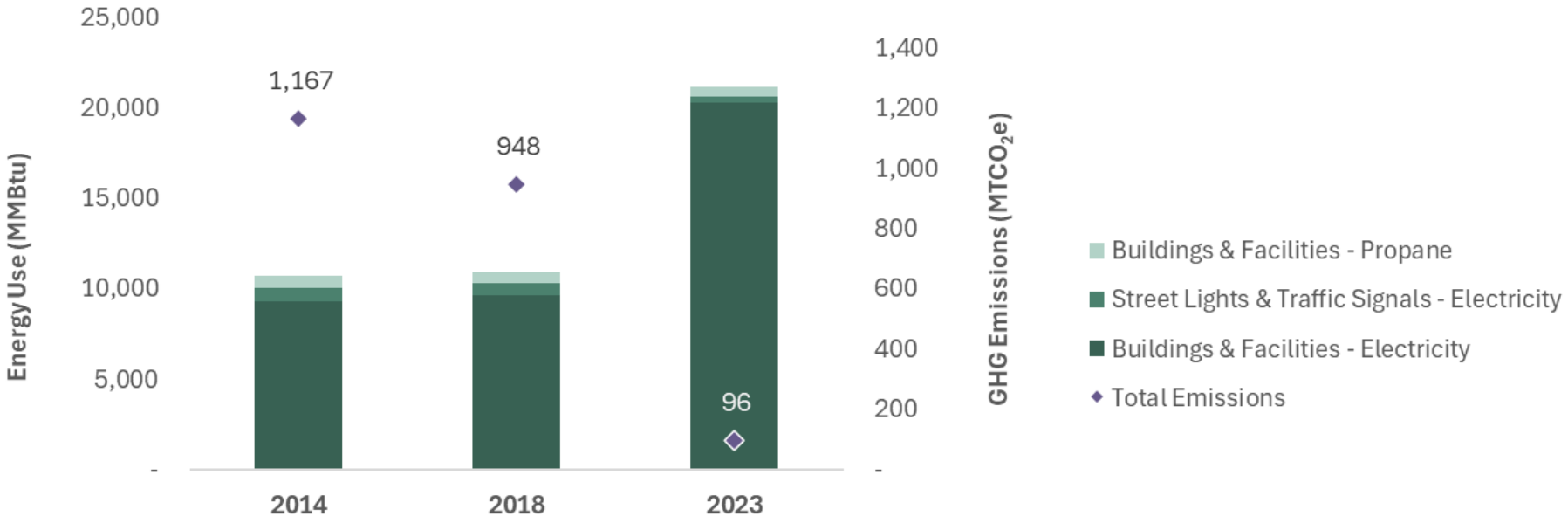
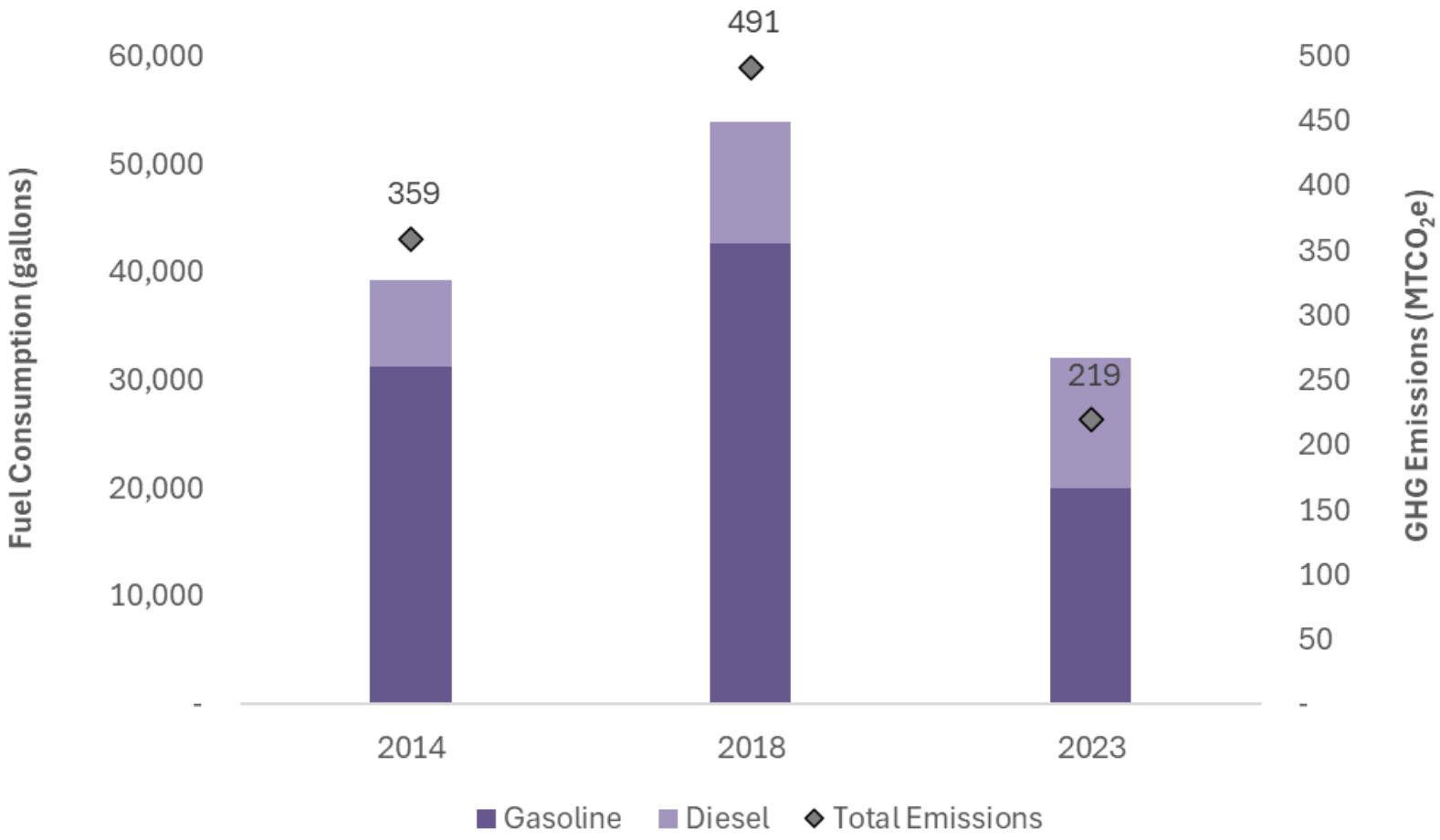
Detailed Findings: Buildings & Facilities



Since 2014:

- Electricity consumption has increased, but emissions have decreased (94%).
- Emissions reduction driven by green power purchases

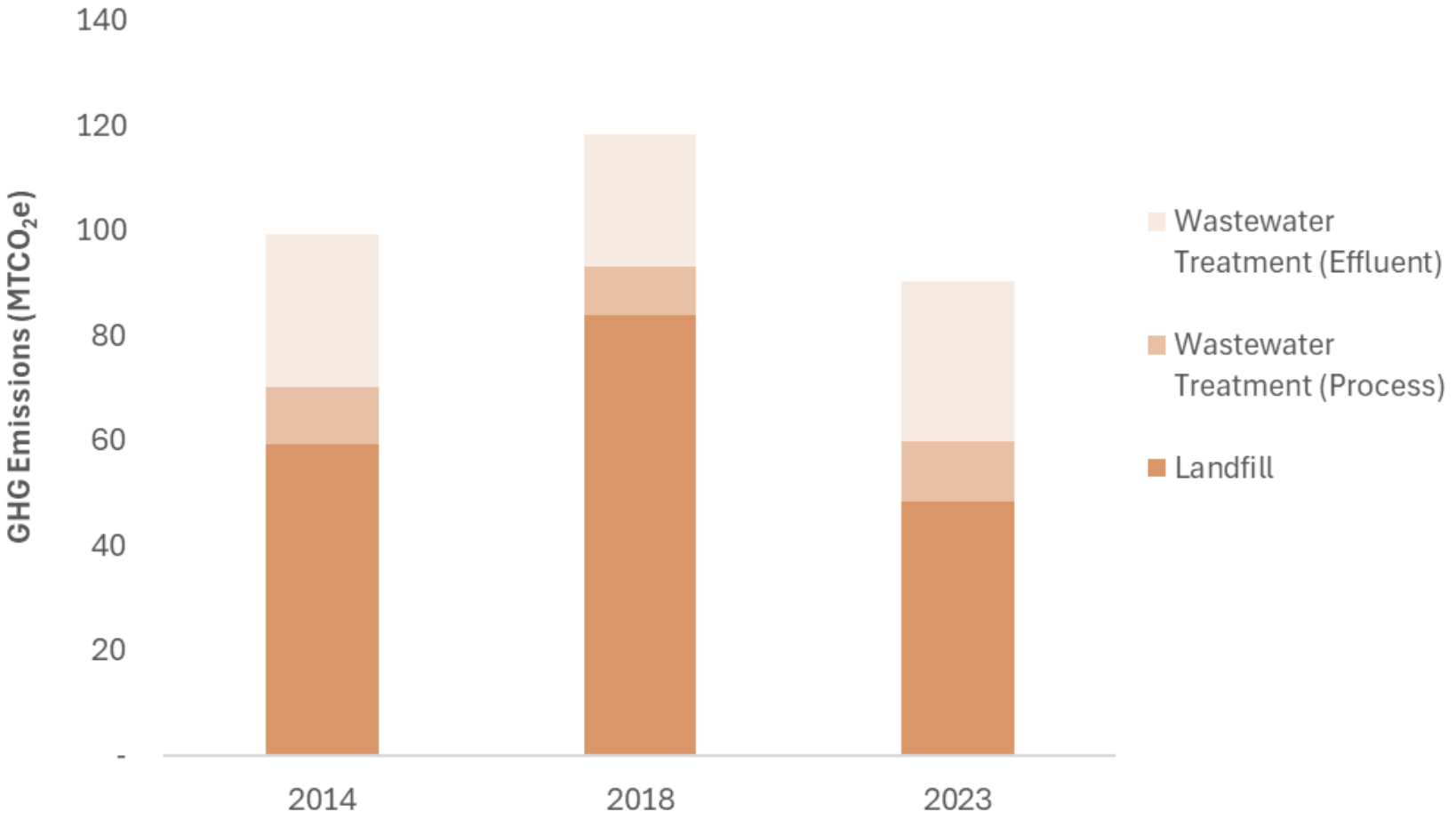
Detailed Findings: Transportation



Since 2014:

- 39% decrease in on-road fleet emissions
- 52% decrease in off-road vehicle & equipment emissions
- 36% decrease in employee commuting emissions

Detailed Findings: Solid Waste & Wastewater



Since 2014:

- 18% decrease in landfilled waste emissions
- 4% increase in wastewater treatment emissions

Government Operations Takeaways

- **Fleet vehicles** contribute the majority (~70%) of emissions and are **decreasing** over time.
- **Facility electricity** emissions decreased substantially due to green power purchases.
- **Employee commute** emissions have decreased, likely due to mode shift and telework options.

Thank you!

Questions?

Bainbridge Island Greenhouse Gas Inventory Report

2023 GHG INVENTORY UPDATE

MARCH 2026

CASCADIA CONSULTING GROUP, INC.

CASCADIA CONSULTING GROUP

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Key Terms

ACS	American Community Survey (from the U.S. Census Bureau)
BOD	Biochemical oxygen demand (a metric of the effectiveness of wastewater treatment plants)
EIA	United States Energy Information Administration
EPA	United States Environmental Protection Agency
ESD	Washington State Employment Security Department
CO_2e	Carbon dioxide equivalent
GHG	Greenhouse gas (limited to CO_2, CH_4, N_2O, and fugitive gases in this inventory)
GWP	Global Warming Potential
HFC	Hydrofluorocarbon
$MTCO_2e$	Metric tons of carbon dioxide equivalent
MOVES	Motor Vehicle Emission Simulator model (developed by EPA to quantify emissions from mobile sources)
MPG	Miles per gallon
NONROAD	Part of MOVES model developed by EPA to quantify non-road mobile emissions
O&M	Operations and Maintenance
ODS	Ozone depleting substance
PFC	Perfluorocarbon
PSCAA	Puget Sound Clean Air Agency
PSE	Puget Sound Energy
PSRC	Puget Sound Regional Council
SF_6	Sulfur hexafluoride
TCR	The Climate Registry
USDA	United States Department of Agriculture
WARM	Waste Reduction Model (model developed by EPA to quantify solid waste emissions)
WSDOT	Washington State Department of Transportation
WWTP	Wastewater Treatment Plant
VMT	Vehicle Miles Traveled

Executive Summary

The *City of Bainbridge Greenhouse Gas Inventory Report* summarizes past and current communitywide and municipal greenhouse gas (GHG) emissions for 2014, 2018, and 2023. These inventories provide a consistent, comparable assessment of emissions trends over time and establish a technical foundation for future climate action.

Bainbridge Island has committed to reducing greenhouse gas emissions while preparing for climate change impacts. To support this commitment, the City completed a 2023 update of its comprehensive greenhouse gas inventory. These inventories quantify emissions across the community and from municipal operations and serve as foundational tools for tracking progress, informing decisions, and targeting future reduction efforts.

Methodology

The 2023 inventory was developed using best-practice methodologies aligned with the *U.S. Community Protocol for Accounting and Reporting of GHG Emissions* (USCP) and the *Local Government Operations Protocol* (LGOP). Both communitywide and municipal inventories included emissions from key greenhouse gases (carbon dioxide, methane, nitrous oxide, fluorinated gases) and emissions sources—including building energy, transportation, solid waste, wastewater, and refrigerants. Emissions are reported for the 2014, 2018, and 2023 calendar years. Analyses were performed in Microsoft Excel and the ICLEI ClearPath 1.0 tool.

Government Operations GHG Emissions

In 2023, Bainbridge Island government operations produced an estimated **581 MTCO$_2$e**—about **0.3% of total communitywide GHG emissions**. The City's largest sources of emissions were from on-road fleet vehicles (38%), employee commuting (18%), facility electricity consumption (11%), and landfilled waste (8%). Overall government operations emissions have **decreased 71%** since 2014, driven primarily by purchases of renewable electricity (Figure 2).

Figure 1. City government operations GHG emissions.

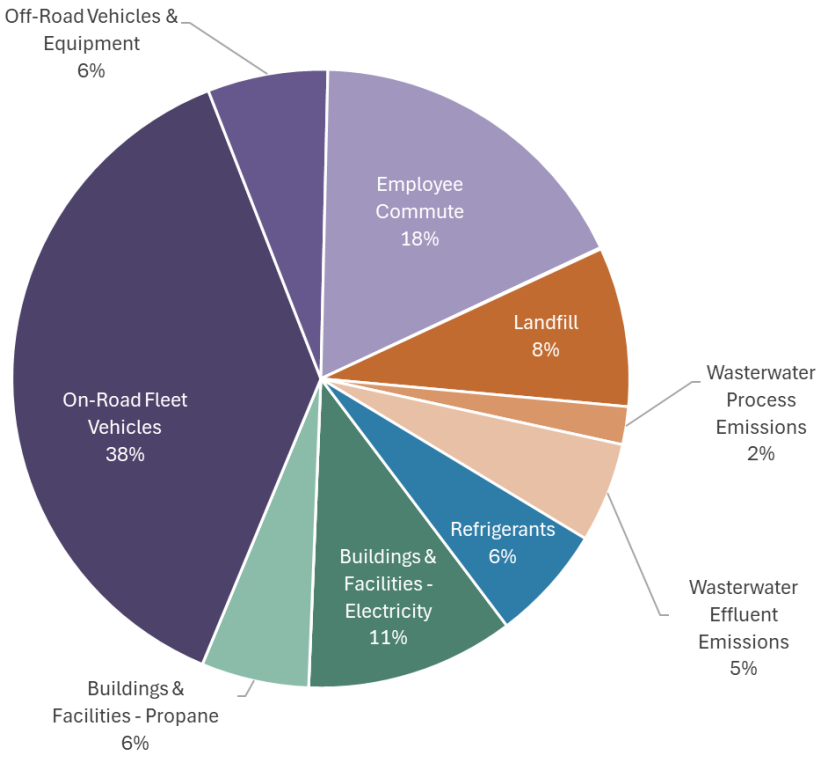
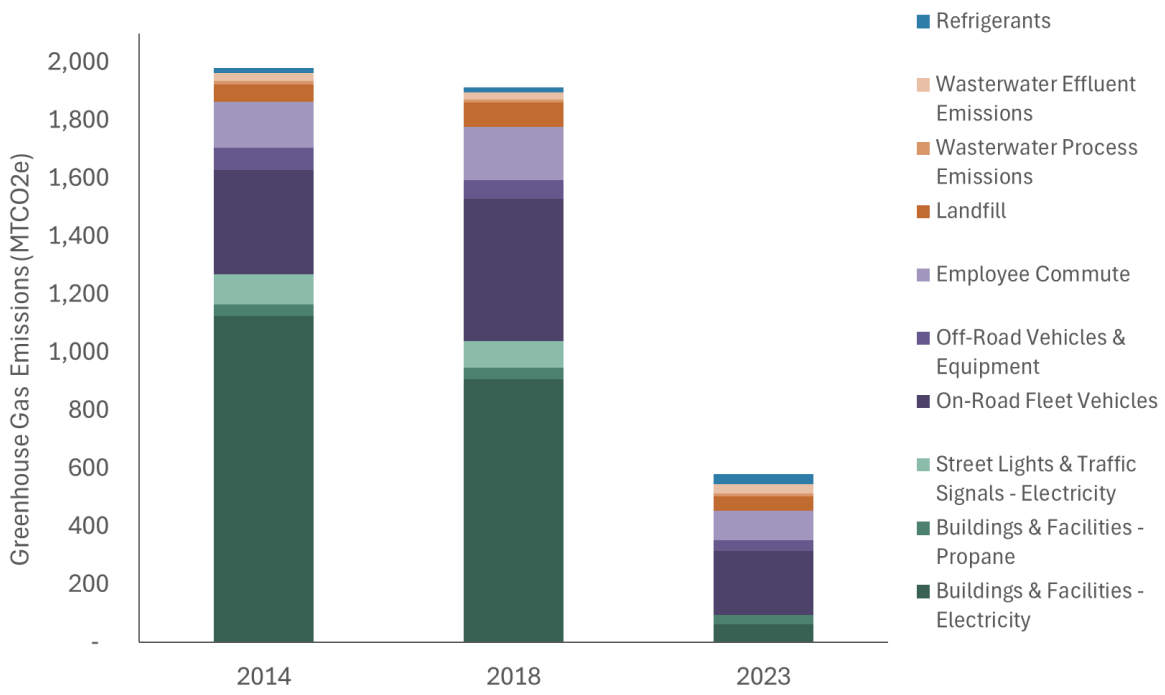


Figure 2. Municipal GHG emissions trends.



Communitywide GHG Emissions

In 2023, the Bainbridge Island community produced an estimated **182,049 metric tons of carbon dioxide equivalent** ($MTCO_2e$)—equivalent to approximately **7.2 $MTCO_2e$ per capita**. The city's largest sources of communitywide emissions in 2023 were from **residential electricity consumption** (27%), **community air travel** (20%), and **on-road vehicles** (14%). Overall communitywide emissions have **decreased 14% since 2014** and **22% since the previous inventory (2018)**, driven primarily by decarbonization of the regional electricity supply (Figure 4). As electricity emissions decline, transportation—particularly air travel—now represents a growing share of the community's emissions profile.

Figure 3. Communitywide 2023 GHG emissions.

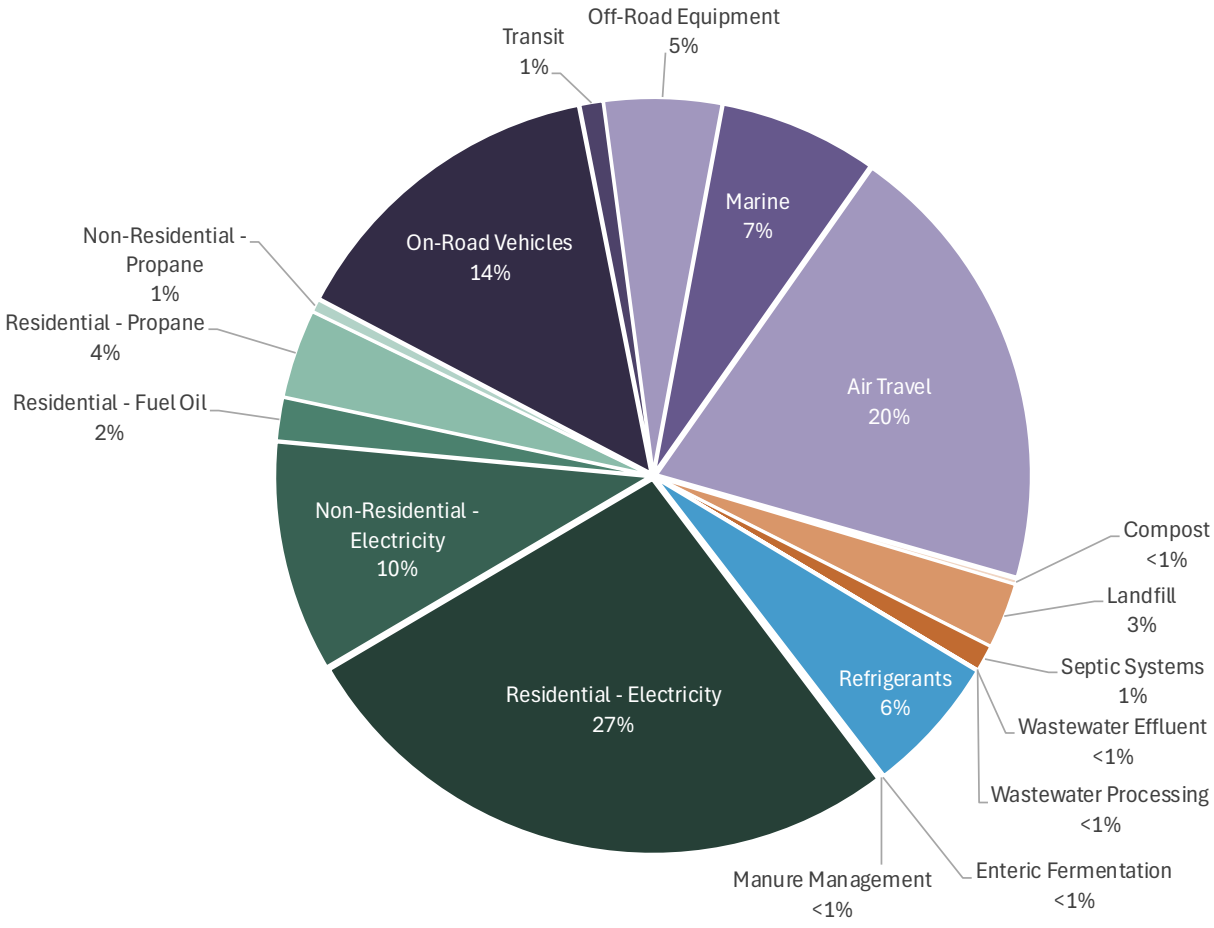
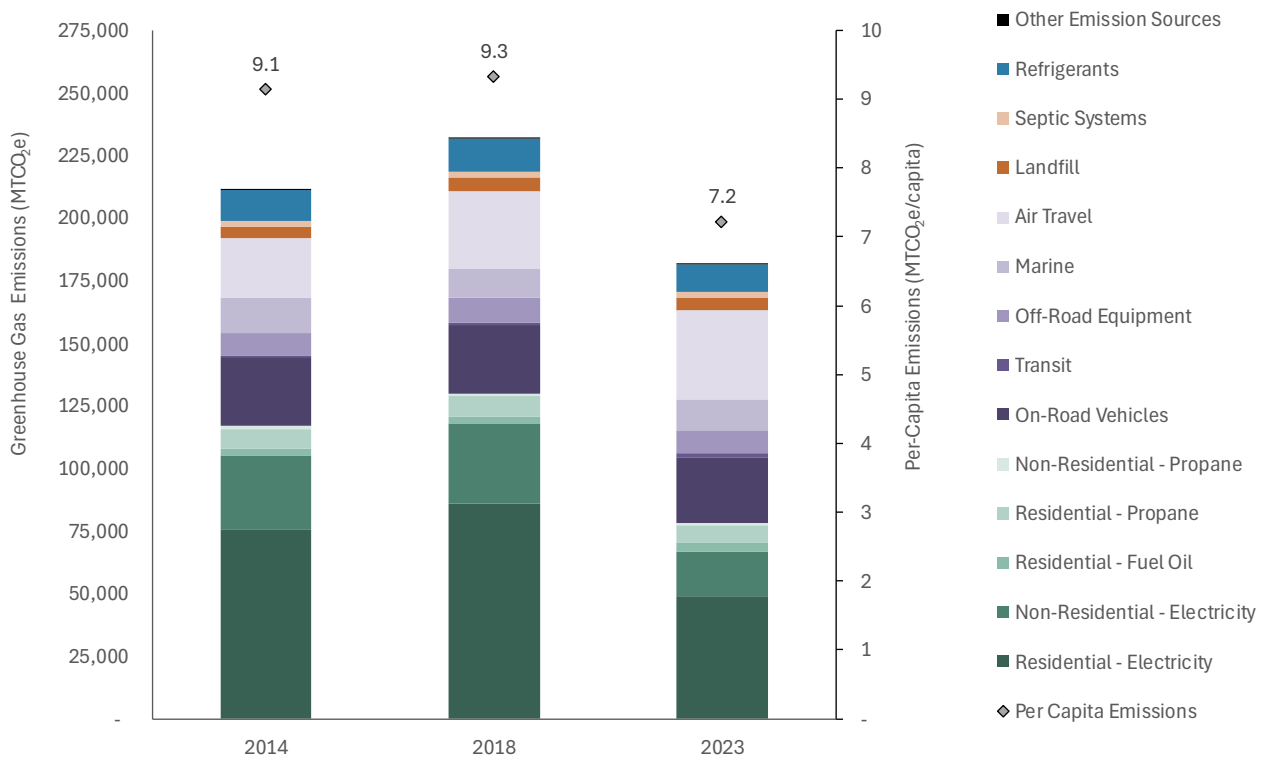


Figure 4. Communitywide GHG emissions trends.



Introduction

Greenhouse gas (GHG) inventories help jurisdictions understand their emissions profile, track progress toward climate goals, and identify effective strategies to reduce climate pollution. By quantifying emissions from key activities within a defined geographic boundary and time period, inventories illuminate trends, highlight accomplishments, and identify opportunities for continued improvement.

This *Greenhouse Gas Inventory Report* presents an updated assessment of **Bainbridge Island's 2023 greenhouse gas emissions**. The city previously completed inventories for **2014 and 2018**, which established a baseline understanding of communitywide and municipal emissions. This report builds on those earlier efforts by updating the analysis with **2023 data**—allowing the city to evaluate progress over the past decade, understand key drivers of change, and better inform future climate planning.

The 2023 update includes two primary inventories:

- **Community inventory** – Estimates emissions generated by activities within the Bainbridge Island community, including residential and commercial energy use, on-road and off-road transportation, solid waste, wastewater, agriculture, refrigerants, and other relevant sources.

- **Government (municipal) operations inventory** – Accounts for emissions associated with municipal operations, such as energy used in buildings and facilities, fleet fuel consumption, wastewater treatment, solid waste, and refrigerant leakage. This helps the city track its operational footprint and identify opportunities for reduction across departments.

In addition, the report provides:

- **Communitywide contribution analyses** – These analyses examine the key drivers of year-to-year changes in emissions—such as weather variability, transportation activity, or shifts in energy use—to help contextualize trends across 2014, 2018, and 2023.

Together, these components create a comprehensive and comparable view of Bainbridge Island's emissions over time. The 2023 update deepens the city's understanding of progress to date, highlights major sources and drivers of emissions, and offers insights that can guide next steps in achieving Bainbridge Island's long-term climate objectives.

Methodology

The project team used the following guiding principles in completing the City of Bainbridge Island's 2023 GHG analyses:

- **Replicability and transparency** to ensure the inventory can be updated consistently in future years.
- **Retroactive updates** to 2014 and 2018 GHG inventories for consistency and replicability.
- **Consistency** with past Bainbridge Island inventories and available data sources.
- **Accuracy**, including incorporation of all relevant sectors, use of locally specific data whenever possible, and alignment with industry best practices.

GHG Inventory Protocols

The 2023 GHG inventories were developed in accordance with established industry standards:

- **Communitywide emissions** followed ICLEI's *U.S. Community Protocol for Accounting and Reporting of Greenhouse Gas Emissions* (USCP) and the *Global Protocol for Community-Scale Greenhouse Gas Inventories* (GPC).
- **Municipal operations emissions** followed ICLEI's *Local Government Operations Protocol* (LGOP).

Using these protocols ensures a consistent and comparable approach across inventory years and with other cities.

All calculations were performed in ClearPath. Local data were used whenever available; when not available, regional data from Kitsap County, King County, or state and national datasets were scaled for Bainbridge Island. Data quality was evaluated for each input, with most data categorized as medium quality due to necessary assumptions.

Emission Sources & Calculation Approach

Consistent with protocols, the GHG inventories focus on the following greenhouse gases: [1]

- **Carbon dioxide (CO_2)** – emitted through burning fossil fuels, solid waste, biomass, and certain chemical reactions.
- **Methane (CH_4)** – emitted during the production and transport of coal, natural gas, and oil, livestock and agricultural practices, land use, and decay of organic waste in landfills.
- **Nitrous oxide (N_2O)** – emitted during agricultural, land use, and industrial activities, combustion of fossil fuels and solid waste, and wastewater treatment.
- **Fluorinated gases** – high global warming potential (GWP) gases like hydrofluorocarbons (HFCs), perfluorocarbons (PFCs), sulfur hexafluoride (SF_6) are emitted from a variety of household, commercial, and industrial applications and processes.

GHG emissions were calculated by combining:

- **Activity data** – the level of activity producing emissions (e.g., electricity consumption, natural gas usage, vehicle miles traveled, solid waste generated).
- **Emission factors (EFs)** – values that convert activity levels into GHG emissions (e.g., $MTCO_2e$ per kWh or per mile traveled).

The communitywide inventory includes emissions from activities that occur within Bainbridge Island, as well as out-of-boundary emissions associated with electricity generation and solid waste transported to landfill. Emissions are categorized by **scope**, which reflects where emissions occur: **Scope 1** includes direct in-boundary emissions; **Scope 2** includes emissions from purchased electricity; and **Scope 3** includes other upstream or downstream emissions that occur outside the community boundary. GHG emissions are reported in **metric tons of carbon dioxide equivalent** ($MTCO_2e$).

Table 1 summarizes all **emissions sources included in the community inventory**, indicates whether they are required by the *U.S. Community Protocol*, and identifies their associated scope categories. The community inventory includes sources from all three scopes, including building energy, various transportation modes, and solid waste and wastewater management.

Table 2 summarizes **emissions sources included in the municipal inventory**, whether they are required by the Local Government Operations Protocol, and their associate scope category. The municipal operation emissions inventory accounts for the GHG emissions resulting from Bainbridge Island City government operations. Bainbridge Island's government provides a range of

municipal services including police, streets, planning, zoning, and general administration services. The City also operates the water and wastewater utilities for a portion of the island.

Table 1. Community inventory emissions and scope categories.

		Included in this inventory?		
Emissions Type	**Required?**	**Scope 1**	**Scope 2**	**Scope 3**
Residential Energy				
Electricity	×		✓	
Propane	×	✓		
Fuel Oil	×	✓		
Commercial Energy				
Electricity	×		✓	
Propane	×	✓		
Industrial Energy				
Electricity	×		✓	
Propane		✓		
Transportation				
On-Road Passenger & Freight Vehicles	×	✓		
On-Road Transit Vehicles		✓		
Off-road Vehicles and Equipment		✓		
Air Travel				✓
Ferry				✓
Solid Waste, Potable Water, and Wastewater [2]				
Solid Waste	×			✓
Potable Water Use Energy*	×		✓	
Wastewater Treatment	×		✓	
Other Process & Fugitive Emissions	×	✓		
Agriculture		✓		

[2] Potable water use energy—energy associated with treating and distributing potable water systems on the Island (e.g., from pumping stations)—is included in the non-residential energy consumption sector. Energy used for pumping individual wells is included in the residential energy consumption sector.

Table 2. Municipal inventory emissions and scope categories.

		Included in this inventory?		
Emissions Type	**Required?**	**Scope 1**	**Scope 2**	**Scope 3**
Buildings and Facilities Energy				
Electricity	×		✓	
Stationary Fuel Consumption	×	✓		
Streetlights and Traffic Signals	×		✓	
Transportation				
On-Road Fleet Vehicles	×	✓		
Off-Road vehicles	×	✓		
Employee Commute				✓
Solid Waste, Potable Water, and Wastewater				
Solid Waste				✓
Wastewater Treatment	×	✓		
Refrigerant Leakage	×	✓		

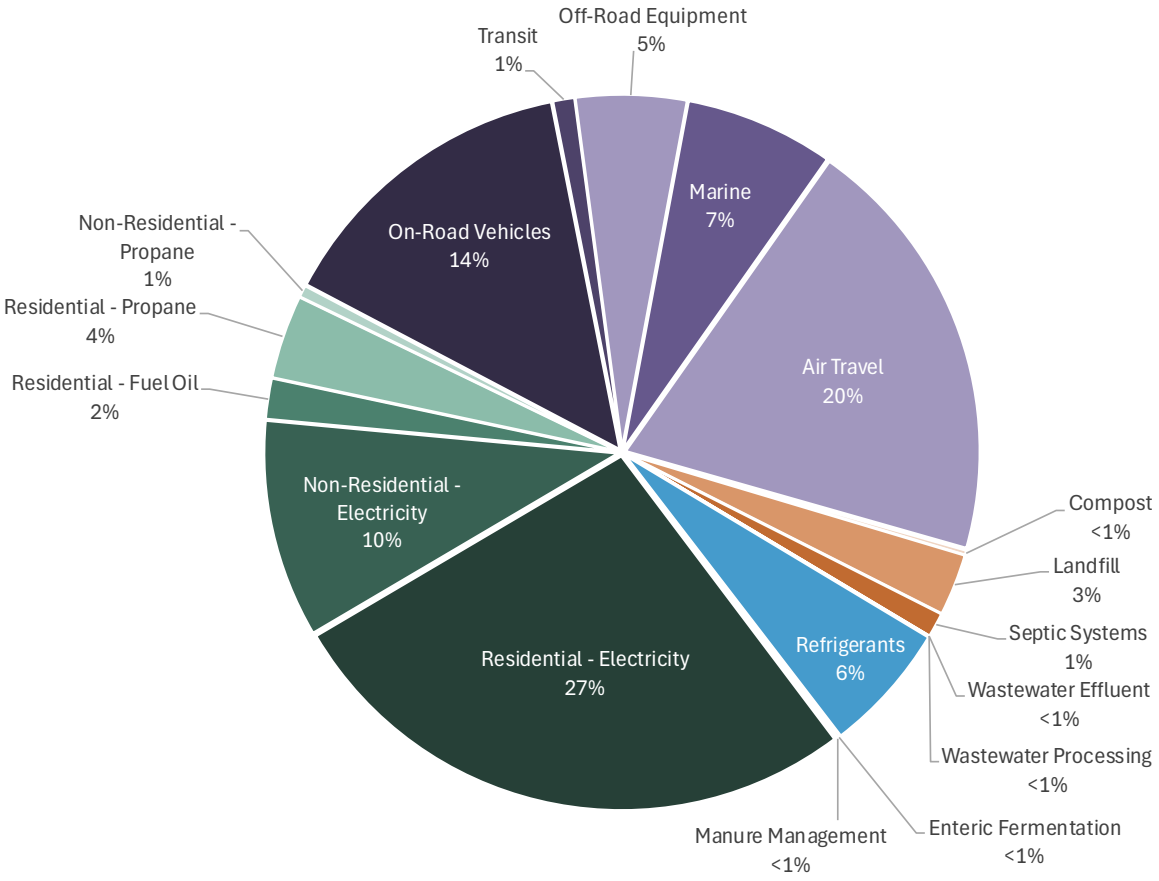
Detailed methodologies and data considerations for each emissions source are provided in **Appendix A: Methodology**.

Inventory Findings & Trends

Communitywide Emissions Results

In 2023, the Bainbridge Island community produced an estimated **182,049 metric tons of carbon dioxide equivalent ($MTCO_2e$)**—or about **7.2 $MTCO_2e$ per capita**. As shown in Figure 5, the largest contributors to communitywide emissions in 2023 were **residential electricity use** (27%), **community air travel** (20%), and **on-road vehicles** (14%).

Figure 5. Communitywide 2023 GHG emissions.



Communitywide emissions have **steadily declined** over the past decade, decreasing **14% since 2014** and **22% since 2018** (Figure 6; Table 3). Per-capita emissions also dropped significantly—a **23% decrease since 2018**—reflecting both absolute reductions and continued population growth.

These downward trends are driven primarily by **substantial reductions in electricity-related emissions** due to a shift to less carbon-intensive electricity sources. This trend is consistent with statewide clean energy policies (e.g., Clean Energy Transformation Act) and utility fuel-mix changes. Reductions in landfilled waste and some transportation categories also contributed to overall declines.

At the same time, the composition of emissions has shifted. **Air travel now accounts for a growing share of total emissions**, becoming one of the most significant sources in 2023 (note that local air travel emissions are estimated by downscaling best available regional data). While other major sectors have experienced decreases, rising emissions from air travel partially offset progress in other areas.

Figure 6. Communitywide GHG emissions trends.

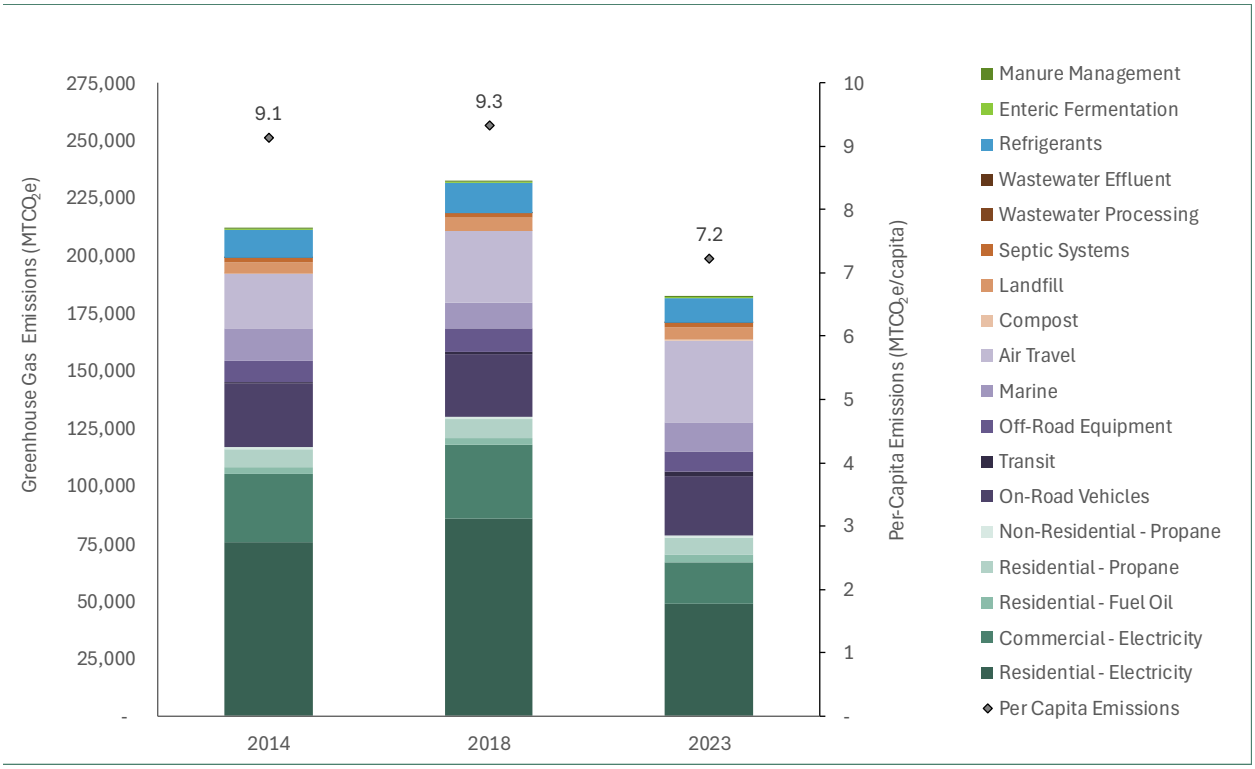


Table 3. Communitywide emissions trends, by sector ($MTCO_2e$).

Sector	2014	2018	2023	Change from Baseline	% Change from Baseline
Residential Energy	86,060	96,986	59,147	-26,913	-31%
Electricity	75,363	85,898	48,797	-26,566	-35%
Fuel Oil	2,920	2,949	3,388	469	16%
Propane	7,778	8,139	6,962	-816	-10%
Non-Residential Energy	30,305	32,724	19,112	-11,194	-37%
Electricity	29,738	31,925	18,117	-11,621	-39%
Propane	1,101	1,125	995	-106	-10%
Transportation	75,315	80,778	85,017	9,702	13%
On-Road Passenger & Freight Vehicles	27,448	27,330	25,823	-1,624	-6%
On-Road Transit Vehicles	590	781	1,803	1,213	206%
Air Travel	24,023	31,002	35,780	11,757	49%
Ferry Travel	14,051	11,334	12,403	-1,648	-12%
Other Off-Road Vehicles and Equipment	9,204	10,331	9,208	4	0%
Solid Waste & Wastewater Treatment	6,854	7,748	7,639	784	11%
Compost	119	132	389	270	227%
Landfill	4,601	5,434	5,139	538	12%
Wastewater Treatment	48	51	61	14	28%
Septic Tanks	2,086	2,131	2,049	-37	-2%
Other Process & Fugitive Emissions	12,209	13,332	10,860	-1,348	-11%
Refrigerants	12,209	13,332	10,860	-1,348	-11%
Agriculture	351	331	275	-76	-22%
Enteric Fermentation	319	297	239	-79	-25%
Manure Management	33	34	36	3	9%
TOTAL	211,628	232,226	182,049	-29,579	-14%

Overall, the 2023 emissions profile reflects:

- **Strong communitywide progress**, especially from lower-carbon electricity;
- **Changing sector contributions**, with air travel emerging as a major source; and
- **Continued divergence between total and per-capita emissions**, indicating that reductions are keeping pace with population growth.

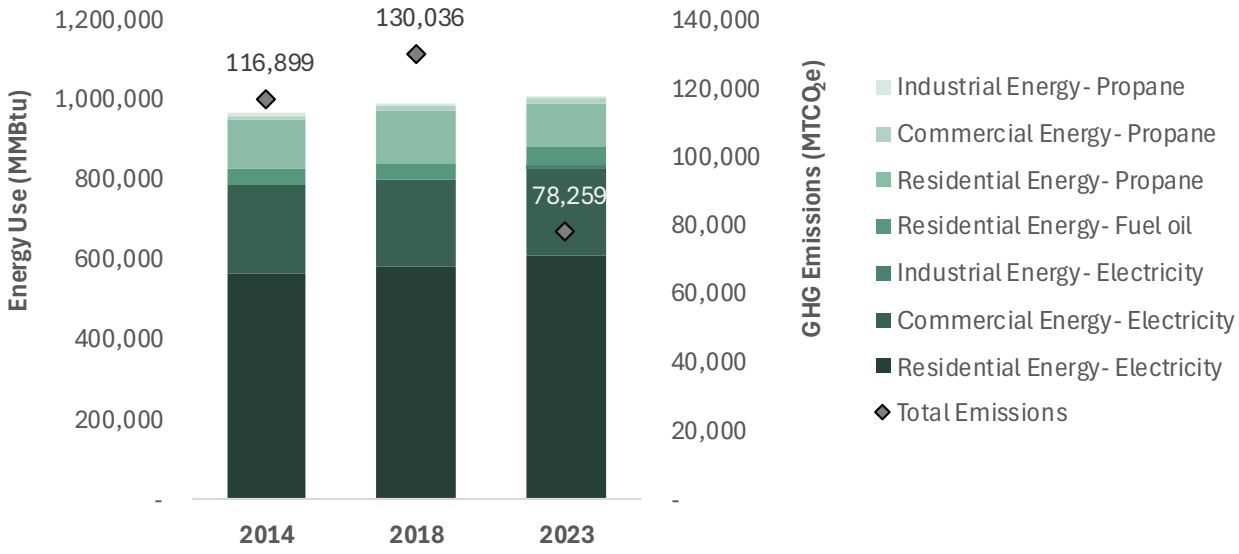
More detailed trends and sector-level drivers are provided in the following sections of this report.

Building Energy

Building energy emissions include electricity, propane, and fuel oil used in **residential, commercial, and industrial buildings**. Figure 7 summarizes energy use trends from 2014, 2018, and 2023, along with the emissions resulting from that energy use.

In 2023, building energy accounted for approximately **43%** of total communitywide emissions—**32.5% from residential buildings (59,147 $MTCO_2e$)** and **10.5% from commercial and industrial facilities (19,112 $MTCO_2e$)**. Since 2014, total building energy emissions have decreased **33%**, driven largely by a cleaner electricity grid.

Figure 7. Community building energy use and emissions trends.



ELECTRICITY

Electricity remains the dominant source of building energy emissions on Bainbridge Island. Combined residential, commercial, and industrial electricity emissions decreased from **105,101 $MTCO_2e$ in 2014** to **66,914 $MTCO_2e$ in 2023**—a **36% reduction** (Figure 7).

This decline is primarily driven by the **decarbonization of Puget Sound Energy's electricity fuel mix**, shown in Table 4. Between 2014 and 2023:

- **Coal decreased** from 35% to 18% of PSE's mix.
- **Wind increased** from 3% to 22%.

- **Natural gas increased** from 20% to 30%, reflecting fuel switching away from higher-carbon sources.

These changes lowered the emissions factor for electricity and contributed directly to declining emissions from both residential and non-residential buildings, even as consumption increased.

Table 4. Puget Sound Energy (PSE) electricity generation fuel mix trends.[3]

Electricity Generation Fuel Type	2014	2018	2023
Biomass	0%	0%	0%
Coal	35%	38%	18%
Cogeneration	4%	0%	0%
Geothermal	0%	0%	0%
Hydro	36%	33%	30%
Landfill Gas	0%	0%	0%
Natural Gas	20%	21%	30%
Nuclear	1%	1%	0%
Other	0%	0%	0%
Petroleum	0%	0%	0%
Solar	0%	0%	0%
Waste	0%	0%	0%
Wind	3%	6%	22%

Electricity use has grown modestly across the community. **Residential electricity consumption increased about 8%** from 2014 to 2023, and **non-residential use increased about 1%**, reflecting changes in population, employment, and commercial activity. Despite these increases, emissions declined overall due to cleaner electricity fuel sources.

Electricity-related emissions also incorporate **transmission and distribution losses** (grid losses), which make up a small fraction of total emissions and have remained relatively stable over the analysis period.

Since 2014, Bainbridge Island residents significantly increased their participation in PSE's Green Power Program. The **Green Power Program** allows customers to purchase renewable energy to support regional clean energy development.

[3] Electricity Fuel Mix | Puget Sound Energy (PSE)

PROPANE AND FUEL OIL

Delivered fuels (propane and fuel oil) together accounted for approximately **6% of total communitywide emissions** in 2023—**7,957 $MTCO_2e$ from propane** and **3,388 $MTCO_2e$ from fuel oil**.

Combined emissions from these fuels have decreased **4% since 2014**, consistent with gradual declines in the number of buildings using delivered fuels for heating or cooking and slow transitions toward electricity and heat pumps. Although small relative to electricity, delivered fuels remain a persistent emissions source due to long equipment replacement cycles.

Propane & Fuel Oil: Methodology Update

For the 2023 inventory, the methodology used to estimate emissions from residential fuel oil and propane was updated to use sector-specific fuel consumption data from the U.S. Energy Information Administration (EIA). This replaces the previous approach, which relied on statewide fuel oil consumption estimates and local propane sales tax data to approximate fuel use on Bainbridge Island. The updated methodology was also applied retroactively to the 2014 and 2018 inventories for consistency.

Residential fuel oil and propane consumption were estimated by scaling Washington State consumption data to Bainbridge Island based on the number of households using each fuel type, using American Community Survey data to derive per-household consumption. Commercial and industrial propane consumption was estimated similarly using per-employee consumption factors derived from statewide employment data and applied to local employment estimates from the Puget Sound Regional Council.

This updated approach improves the inventory by allowing propane use to be estimated by sector and by more accurately reflecting fuel consumed during the inventory year. Unlike sales data, which can be influenced by purchasing timing, consumption data better represents actual fuel use patterns.

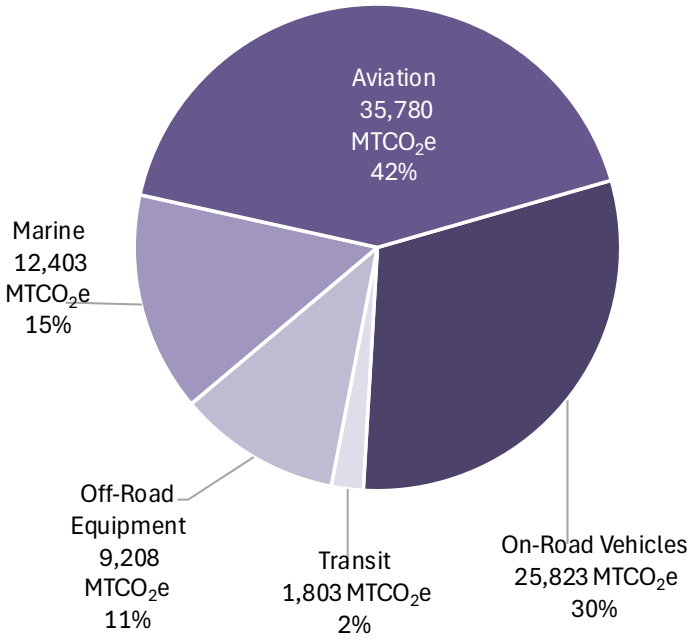
Applying the revised methodology resulted in higher estimated emissions across years, including a 39% increase in residential fuel oil consumption and a 155% increase in combined residential, commercial, and industrial propane consumption in 2023 compared to estimates using the previous method.

Transportation

The transportation sector includes emissions from **on-road vehicles, off-road equipment, aviation, transit, and marine vessels**. In 2023, transportation accounted for approximately **85,017 $MTCO_2e$**—or **3.4 $MTCO_2e$ per capita**—making it **the largest contributor** to Bainbridge Island's communitywide emissions (47%). As shown in Figure 8, emissions from aviation, on-road vehicles, and marine travel make up the vast majority of transportation-related emissions.

Overall transportation emissions increased **13% since 2014**, reflecting a combination of rising activity levels in certain categories (e.g., air travel and transit) and reductions in others (e.g., on-road passenger vehicles and ferry travel).

Figure 8. Community transportation 2023 GHG emissions.



ON-ROAD VEHICLES

On-road vehicle emissions include passenger vehicles and freight/service vehicles (light-, medium-, and heavy-duty), but do not include transit vehicles. Passenger vehicles account for most on-road emissions.

In 2023, on-road passenger and freight vehicles produced **25,823 $MTCO_2e$**, or **30% of transportation emissions**.

Despite an overall **6% increase in on-road vehicle miles traveled (VMT)** between 2014 and 2023 (Table 5; Figure 9), **on-road emissions decreased by 6%**. This decline is attributable to:

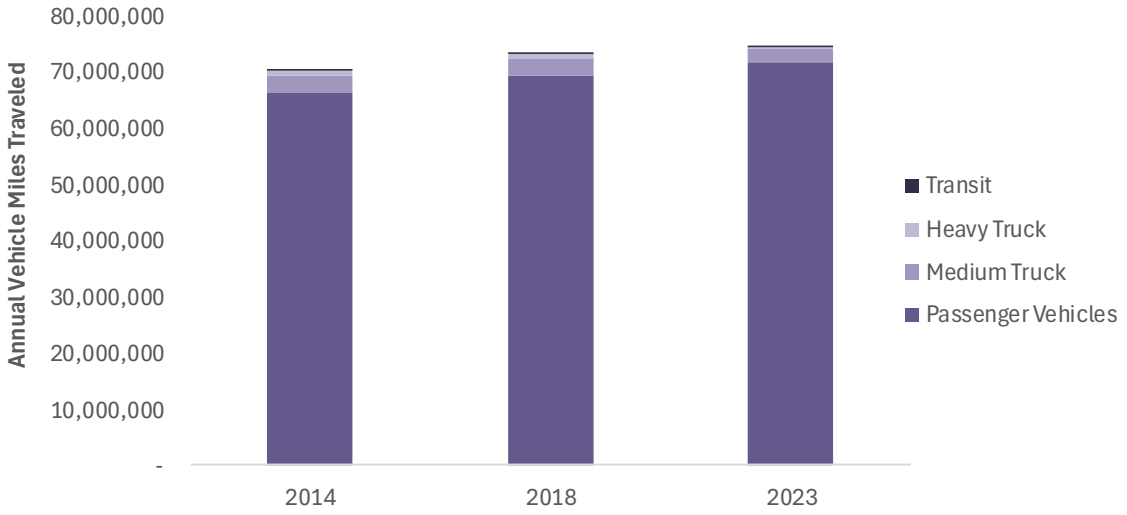
- **Improved vehicle fuel efficiency**, demonstrated by lower average emissions per mile ($MTCO_2e$/mile).
- **A decreasing share of VMT from medium and heavy trucks**, which experienced notable reductions in activity (−17% and −35%, respectively).
- **Gradual turnover of the regional passenger vehicle fleet** toward more efficient and lower-emitting technologies.

Transit vehicle emissions increased from **590 $MTCO_2e$ in 2014** to **1,803 $MTCO_2e$ in 2023**. Changes in the fuel types used in transit vehicles on the island contributed to the increase in emissions, with Kitsap Transit reporting a 183% increase in diesel fuel consumption in their transit vehicles from 2014 to 2023.

Table 5. Annual vehicle miles traveled estimated for Bainbridge Island.

Type	2014	2018	2023	Difference from Baseline	% Change from Baseline
Passenger vehicle	66,612,870	69,543,904	71,815,260	5,202,390	8%
Medium truck	3,011,067	2,993,763	2,513,424	-497,643	-17%
Heavy truck	708,280	708,118	245,324	-462,956	-65%
Transit bus [4]	394,450	397,634	397,995	3,545	1%
TOTAL	**70,726,667**	**73,643,419**	**74,972,003**	**4,245,336**	**6%**

Figure 9. On-road vehicle miles traveled by vehicle type.



OFF-ROAD VEHICLES & EQUIPMENT

Off-road vehicles and equipment made up **5% of total communitywide emissions** in 2023 (9,208 $MTCO_2e$). These emissions come from construction, landscaping, agricultural, airport-support, recreation, and other non-road equipment. The largest source of off-road emissions is construction equipment, making up 36% of off-road equipment emissions.

Emissions from this category decreased **<1% since 2014**, likely reflecting:

- lower reported activity levels,
- increased equipment efficiency or electrification, or
- changes in equipment inventories across sectors.

[4] Miles for transit buses are in annual revenue miles.

FERRY TRAVEL

Marine vessel emissions related to Bainbridge Island's share of Washington State Ferry travel decreased **12% since 2014**. This reduction is consistent with **decreased ferry fuel consumption** on the Seattle–Bainbridge route and operational changes made over the past decade.

In 2023, Bainbridge Island's share of ferry travel accounted for an estimated **2.4 million gallons of fuel**, compared to **2.2 million gallons in 2014**. Despite this increase, improvements in vessel efficiency and lower emissions factors offset much of the growth in fuel consumption.

AIR TRAVEL

Air travel is the **largest share of transportation emissions**, accounting for **35,780 MTCO$_2$e (42%)** of transportation-related emissions and **20% of total communitywide emissions**.

Aviation emissions increased **49% since 2014**, driven by:

- population growth on Bainbridge Island,
- increasing travel demand among residents and visitors, and
- overall increases in fuel consumption and flight activity through Seattle-Tacoma International Airport between 2014 and 2023.

Air travel in 2023 exceeds emissions from other transportation mobile sources, making it one of the most significant—and most difficult to reduce—sources of communitywide emissions.

Air travel emissions associated with Bainbridge Island residents and visitors were estimated using county-specific passenger survey data and jet fuel consumption data from Seattle-Tacoma International Airport (SeaTac) provided by the Port of Seattle. Jet fuel use was allocated to Bainbridge Island based on SeaTac passenger enplanement survey results at the county-level, downscaled to the city-level based on local population and employment. Using this approach, approximately 0.5% of SeaTac's fuel consumption was attributed to Bainbridge Island residents and visitors.

Solid Waste and Wastewater

The solid waste and wastewater sector includes emissions from the **generation, transportation, and disposal of solid waste** as well as emissions from **treatment of wastewater** produced within Bainbridge Island. Solid waste emissions are generated from landfill decomposition, collection and hauling, landfill equipment, and composting. Wastewater emissions include process emissions from treatment facilities and fugitive emissions from septic systems.

In 2023, solid waste and wastewater together accounted for approximately **4% of total communitywide emissions**. Emissions from solid waste increased **17% since 2014**, driven by increases in tons of composted waste and changes to the makeup of waste being disposed of

locally (Figure 10; Table 7). Bainbridge Disposal reported composting **2,762 tons of yard waste** in 2023, generating **389 MTCO$_2$e** from decomposition.

SOLID WASTE

Solid waste emissions rose from **4,720 MTCO$_2$e in 2014** to **5,529 MTCO$_2$e in 2023**, a **17% increase**, with changes varying across processes (Figure 10; Table 7):

- **Landfill disposal and decomposition:** increased by **551 MTCO$_2$e (+16%)**, reflecting changes to material makeup of the reported waste.
- **Collection and transportation:** decreased by **12 MTCO$_2$e (−1%)**, consistent with reduced waste volumes and hauling-related emissions.
- **Landfill equipment:** declined by **2 MTCO$_2$e (−1%)**.
- **Yard waste composting:** increased from **119 MTCO$_2$e to 389 MTCO$_2$e (+270 MTCO$_2$e)** due to higher reported volumes of composted material.

Landfilled waste is transported from Bainbridge Island to **Columbia Ridge Landfill** in Arlington, OR, approximately 330 miles from Bainbridge Island. Due to this long distance, landfill collection and transportation related emissions make up about **17%** of emissions from community solid waste disposal. This distance means that avoiding the generation of landfilled waste—either by producing less waste overall or composting/recycling—presents a considerable emissions reduction opportunity for Bainbridge Island.

Although composting emissions increased in absolute terms, composting remains a **much lower-emission disposal method** than landfilling. A shift from landfill disposal to composting reduces overall solid waste emissions, as composting produces much fewer methane emissions—a potent greenhouse gas—compared to landfilling. Overall, compost tonnage has increased and landfilled tonnage has decreased over time (Table 6).

Table 6. Solid waste disposal tonnage trends, by sector.

Sector	2014	2018	2023	Difference from Baseline	% Change from Baseline
Single family landfill disposal (short wet tons)	7,203	6,228	6,917	-286	-4%
Multi-family & commercial landfill disposal (short wet tons)	2,033	1,758	2,208	175	9%
Compost (short wet tons)	1,712	1,900	2,762	1,050	61%
Total	**10,949**	**9,886**	**11,887**	**938**	**9%**

Figure 10. Solid waste emissions trends, by source.

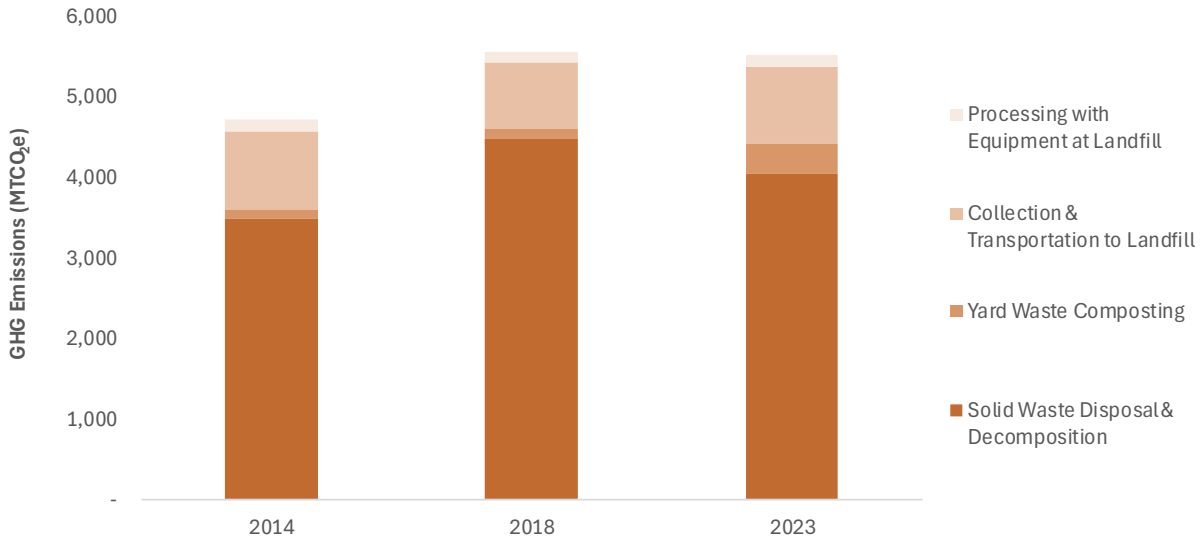


Table 7. Summary of solid waste emissions, by process.

Process	Emissions ($MTCO_2e$)			
	2014	2018	2023	Difference from Baseline
Solid Waste Disposal & Decomposition	3,489	4,473	4,041	551
Yard Waste Composting	119	132	389	270
Collection & Transportation to Landfill	961	831	949	-12
Processing with Equipment at Landfill	151	131	150	-2
Total	**4,720**	**5,567**	**5,529**	**808**

WASTEWATER TREATMENT

Wastewater-related emissions—including process emissions from treatment and fugitive emissions from septic systems—made up **approximately 1% of communitywide emissions** in 2023.

As shown in **Table 6**, total wastewater emissions remained relatively stable since 2014, declining by **1% overall**:

- **WWTP process emissions** increased by **4 $MTCO_2e$ (+28%)**, due to higher volumes of wastewater treated alongside population growth.
- **WWTP effluent emissions** increased by **10 $MTCO_2e$ (+28%)**, also driven by higher wastewater flows.

- **Septic system emissions** decreased slightly by **37 $MTCO_2e$ (–2%)**, despite population growth. Septic emissions are scaled based on estimated population on septic systems, and minor changes reflect updated population estimates and wastewater generation assumptions.

While process and effluent emissions increased modestly in absolute terms, they remain **very small compared to other sectors**, and the wastewater sector as a whole continues to contribute only a limited share of communitywide greenhouse gas emissions.

Table 8. Summary of wastewater treatment and septic tank emissions.

Source	GHG Emissions ($MTCO_2e$)				
	2014	2018	2023	Difference from Baseline	% Change from Baseline
WWTP Process	13	14	17	4	28%
WWTP Effluent	35	37	44	10	28%
Septic Tanks	2,086	2,131	2,049	-37	-2%
Total	**2,134**	**2,182**	**2,110**	**-24**	**-1%**

Other Process & Fugitive Emissions

Emissions from other process and fugitive sources include **hydrofluorocarbons (HFCs)**, **perfluorocarbons (PFCs)**, and **sulfur hexafluoride (SF_6)**. These gases—primarily associated with refrigeration, air conditioning, electrical transmission systems, and industrial processes—accounted for **6% of Bainbridge Island's communitywide emissions in 2023**.

As shown in Table 9, emissions from this category totaled **10,860 $MTCO_2e$** in 2023, an **11% decrease since 2014**. HFCs remain the dominant gas, making up **98% of emissions** within this category. This reflects the widespread use of HFCs in refrigeration and cooling systems and the release of refrigerants during equipment servicing or end-of-life disposal. Note that these data are downscaled based on national emissions trends, so trends may not be fully reflective of local activity.

Trends among gases include:

- **HFCs:** decreased **11%** since 2014 due to gradual turnover of older, higher-GWP refrigerants and improved handling practices.
- **PFCs:** increased sharply (+469%), but absolute emissions remain extremely small (17 $MTCO_2e$).
- **SF_6:** decreased **21%**, likely reflecting changes in electrical system equipment and leak management.

Although relatively small compared to transportation and building energy, this sector is important because these gases have **very high global warming potentials**. Continued reductions will

depend on the adoption of low-GWP refrigerants and improved refrigerant recovery and disposal practices.

Table 9. Summary of emissions from other processes and fugitive sources.

GHG	GHG Emissions ($MTCO_2e$)				
	2014	2018	2023	Difference	% Change from Baseline
HFC	12,058	13,234	10,728	-1,331	-11%
PFC	3	3	17	14	469%
SF_6	147	95	116	-31	-21%
Total	**12,209**	**13,332**	**10,860**	**-1,348**	**-11%**

Agriculture

Agricultural emissions on Bainbridge Island come primarily from **enteric fermentation** (methane emissions from livestock digestion) and **manure management**. Agricultural activity on the island is modest, and emissions from this sector accounted for **less than 1%** of communitywide emissions in 2023.

Based on Kitsap County agricultural census data, scaled to Bainbridge Island using proportional land area, the island supported an estimated **893 livestock animals** in 2023—an **11% increase** from 2014 (Table 10). The composition of livestock has shifted over time:

- **Cattle populations decreased by 33%**, which drove a **25% reduction in enteric fermentation emissions**, as cattle account for the majority of methane emissions in this category.
- **Horse populations decreased by 15%**, resulting in a small reduction in associated emissions.
- **Goats increased significantly (+83%)**, though absolute emissions remain small due to their low per-animal emission rate.
- **Poultry increased by 22%**, but poultry contribute very little to CH_4 or N_2O emissions.
- **Swine decreased by 35%**, also resulting in very small overall emissions changes.

Despite overall livestock increases, total agricultural emissions remain extremely low. Manure management emissions increased **9% since 2014**, consistent with the modest rise in livestock counts.

Given the small scale of agricultural activity on Bainbridge Island, emissions from this sector remain relatively stable and are **not a major driver of communitywide emissions trends**.

Table 10. Agricultural acres and population trends, by livestock.

Animal	Animal Population			
	2014	2018	2023	% Change from Baseline
Horses	98	100	83	-15%
Sheep	41	82	41	0%
Goats	35	44	64	83%
Cattle	92	81	62	-33%
Poultry	517	538	630	22%
Swine	20	30	13	-35%
Total	**803**	**875**	**893**	**11%**

Communitywide Contribution Analysis

Introduction

In 2023, Bainbridge Island's 25,180 residents and 9,827 households generated an estimated **182,049 MTCO$_2$e** in communitywide emissions. Since 2018, the population increased by **1%**, the number of households increased by **4%**, and total communitywide emissions decreased by **22%**. To understand the forces behind these changes, the City applied ICLEI USA's *Analyzing Drivers of Change in Greenhouse Gas Emissions Inventories* tool to attribute inventory changes to underlying economic, social, technological, and environmental factors.

Results

The contribution analysis shows that Bainbridge Island's emissions reductions during this period were driven primarily by **substantial decarbonization of Puget Sound Energy's electricity fuel mix**, which produced the single largest decrease in emissions. Reductions in **refrigerant consumption**, along with improvements in **commercial energy efficiency** and **on-road vehicle emissions per mile**, further contributed to downward pressure.

Several factors exerted upward pressure on emissions, including a **colder winter**, **employment growth**, modest **population growth**, and **more vehicle miles traveled per person**. Increases were also observed in **air travel**, **off-road vehicle activity**, and several smaller categories (e.g., refrigerants, wastewater), which together added to total emissions.

The **"waterfall" charts** on the following pages (Figure 11 and Figure 12) illustrate how these drivers interact to produce the net reduction between 2018 and 2023. Unlike the simple trend charts presented in the previous section, these figures show not only how emissions or underlying activities have changed over time, but also the relative contribution of different factors driving those changes. Understanding these drivers helps the City better interpret observed emissions trends, including the extent to which changes may be driven by factors outside of the City's direct control versus areas where local action can have a meaningful impact on future emissions reductions.

Figure 11. High-level summary of major drivers of communitywide inventory increases and decreases.

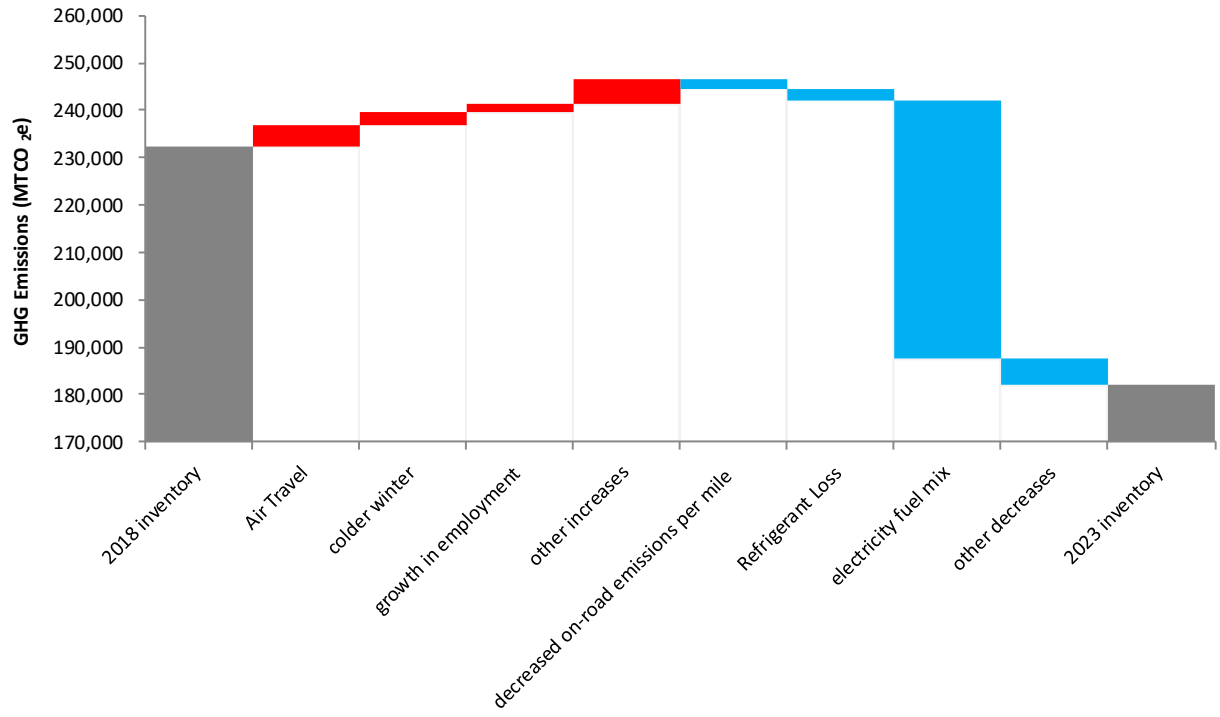
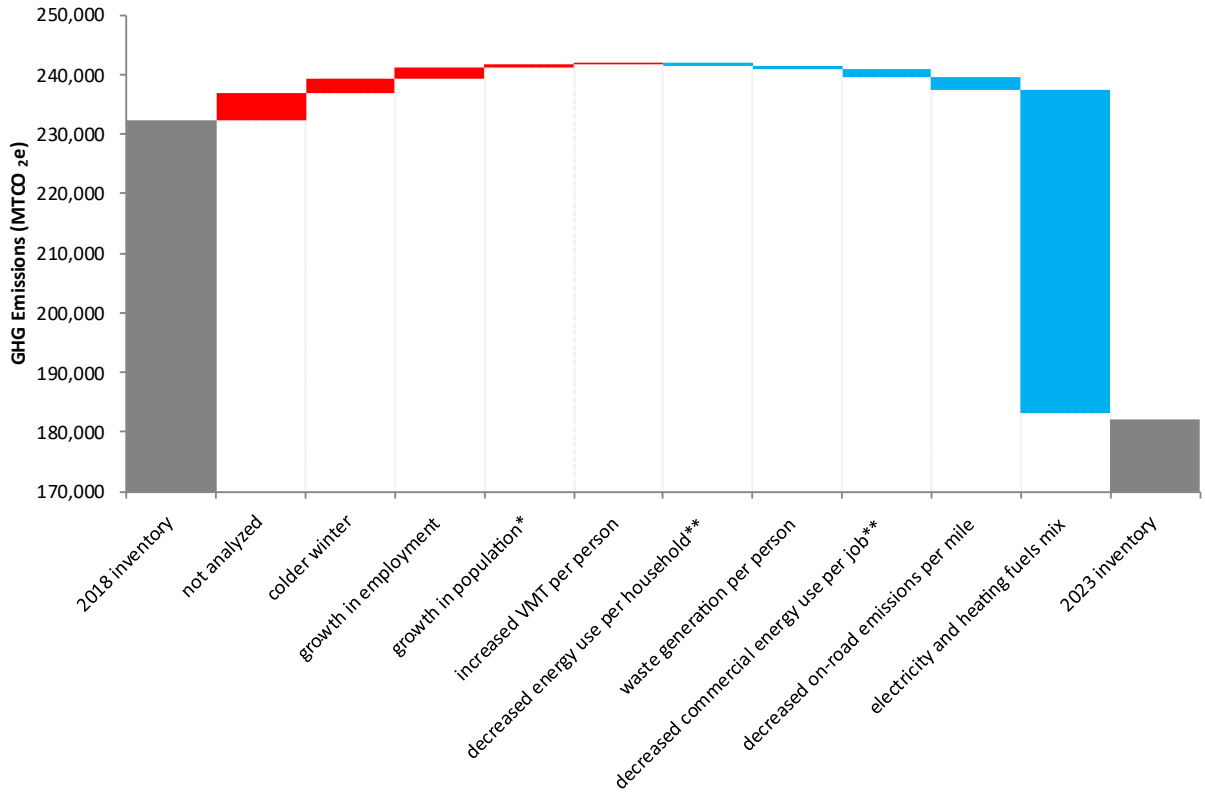


Figure 12. Detailed depiction of major drivers of inventory increases and decreases.



These factors were the dominant contributors to the overall 20% decline in emissions.

- **Electricity fuel mix (−54,544 $MTCO_2e$)**
  The most significant driver of emission reductions. Changes in PSE's electricity generation portfolio—including increased wind and other renewables—substantially lowered the carbon intensity of electricity used within Bainbridge Island.

- **Decreased refrigerant loss (−2,472 $MTCO_2e$)**
  Per-capita refrigerant consumption has declined, leading to less emissions from fluorinated gases.

- **Decreased on-road emissions per mile (−1,982 $MTCO_2e$)**
  Improvements in vehicle efficiency lowered the emissions intensity of driving, even as VMT increased slightly.

- **Decreased commercial energy use per job (−1,524 $MTCO_2e$)**
  Efficiency improvements in the commercial sector reduced electricity and fuel use per employee.

- **Decreased off-road equipment emissions per person (−1,123 $MTCO_2e$)**
  Decreased emissions from off-road equipment in Kitsap County, reducing per-capita emissions on Bainbridge Island.

- **Decreased waste generation per person (−811 $MTCO_2e$)**
  Waste generation has declined, reducing per-capita disposal and lowering landfill emissions

Conversely, several factors exerted upward pressure on emissions during the same period, reflecting demographic, economic, and activity-based changes across the community:

- **Air travel (+4,778 $MTCO_2e$)**
  Increased estimated air travel activity tied to SeaTac departures.

- **Colder winter (+2,553 $MTCO_2e$)**
  Higher heating demand due to colder 2023 winter conditions.

- **Growth in employment (+1,769 $MTCO_2e$)**
  Increased commercial activity and energy use associated with job growth.

- **Increased energy use per household (+1,347 $MTCO_2e$)**
  Slight rise in household energy consumption.

- **Growth in population (+599 $MTCO_2e$)**
  Higher overall activity levels due to more residents.

- **Other increases (+approximately 2,485 $MTCO_2e$)**
  Includes contributions from ferries, public transportation, and other sources not individually attributed in the tool.

- **GDP-related impact to waste generation (+511 $MTCO_2e$)**
  More waste generation linked to higher economic activity.

Government Operations Emissions Results

The government operations ("municipal") inventory summarizes GHG emissions from **city-owned and operated facilities, fleet vehicles, equipment, and government-managed waste and wastewater activities**. Although some sector names align with those used in the communitywide inventory, municipal emissions represent only the subset associated with City operations and are therefore much smaller in scale than total communitywide emissions. In 2023, Bainbridge Island's municipal operations produced an estimated **581 $MTCO_2e$**, representing approximately **0.3%** of total communitywide emissions. As shown in Table 11, the largest sources of municipal emissions in 2023 were:

- **On-road fleet vehicles** (219 $MTCO_2e$; 38%)
- **Employee commute** (103 $MTCO_2e$; 18%)
- **Solid waste and wastewater** (91 $MTCO_2e$; 16%)

Municipal emissions declined **71% since 2014**, primarily due to a near elimination of electricity-related emissions from government buildings and streetlights as the City became an EPA green power partner, transitioning to a fully renewable electricity supply through the purchase of 100% green power (Figure 14; Figure 15). The remaining electricity emissions correspond to transmission and distribution losses from the green power purchased, which is not currently covered by the City's green power purchases.

Table 11. Government operations GHG emissions trends ($MTCO_2e$).

Sector	2014	2018	2023	Change from Baseline	% Change from Baseline
Buildings & Facilities Energy	**1,167**	**948**	**33**	**(1,071)**	**-92%**
Electricity	**1,024**	**818**	**63**	**(961)**	**-94%**
Propane	**40**	**40**	**33**	**(7)**	**-18%**
Electricity - Streetlights & Traffic Signals	**103**	**91**	**-**	**(103)**	**-100%**
Transportation & Other Mobile Sources	**596**	**184**	**359**	**(237)**	**-40%**
On-Road Fleet Vehicles	**359**	**491**	**219**	**(140)**	**-39%**
Off-Road Vehicles & Equipment	**77**	**64**	**37**	**(40)**	**-52%**
Employee Commute	**160**	**184**	**103**	**(57)**	**-36%**
Solid Waste and Wastewater	**99**	**118**	**91**	**(9)**	**-9%**
Compost	**<1**	**<1**	**<1**	**<1**	**205%**
Landfill	**59**	**84**	**48**	**(11)**	**-18%**
Wastewater Treatment (Process)	**11**	**9**	**11**	**<1**	**4%**
Wastewater Treatment (Effluent)	**29**	**25**	**30**	**1**	**4%**
Other Process & Fugitive Emissions	**17**	**17**	**35**	**18**	**102%**

Refrigerants	**17**	**17**	**35**	**18**	**102%**
TOTAL	**1,982**	**1,914**	**581**	**(1,401)**	**-71%**

Figure 13. Government operations 2023 GHG emissions.

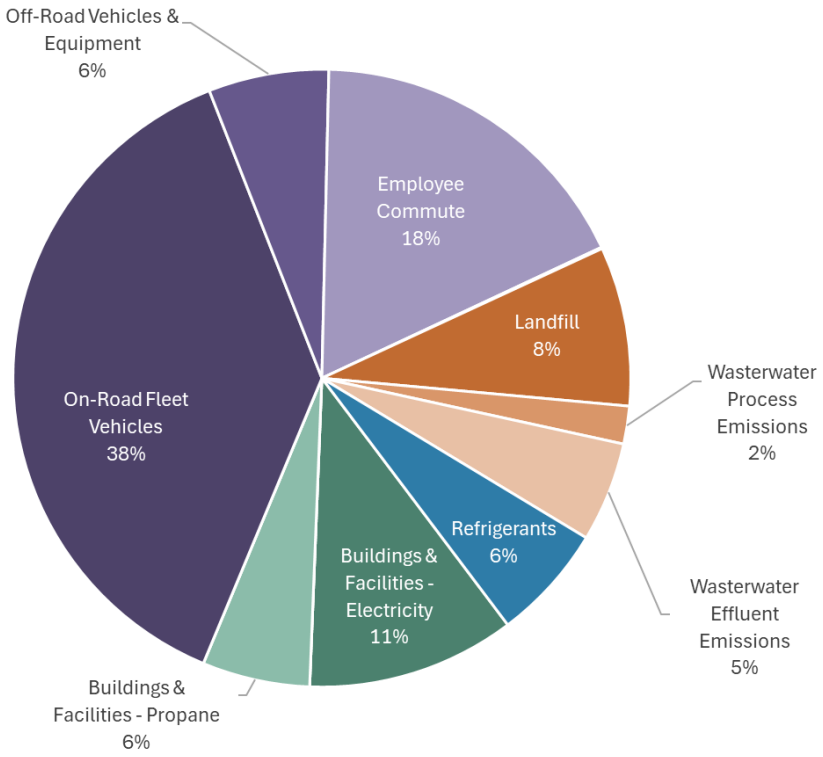
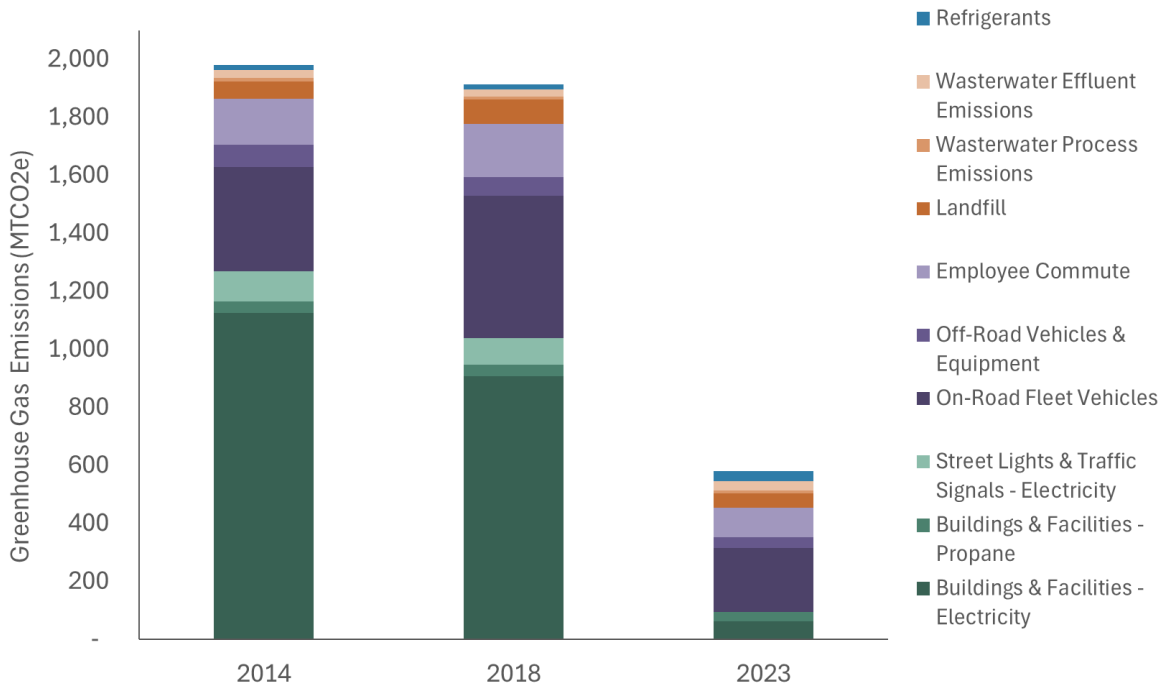


Figure 14. Municipal GHG emissions trends.



Buildings and Facilities Energy

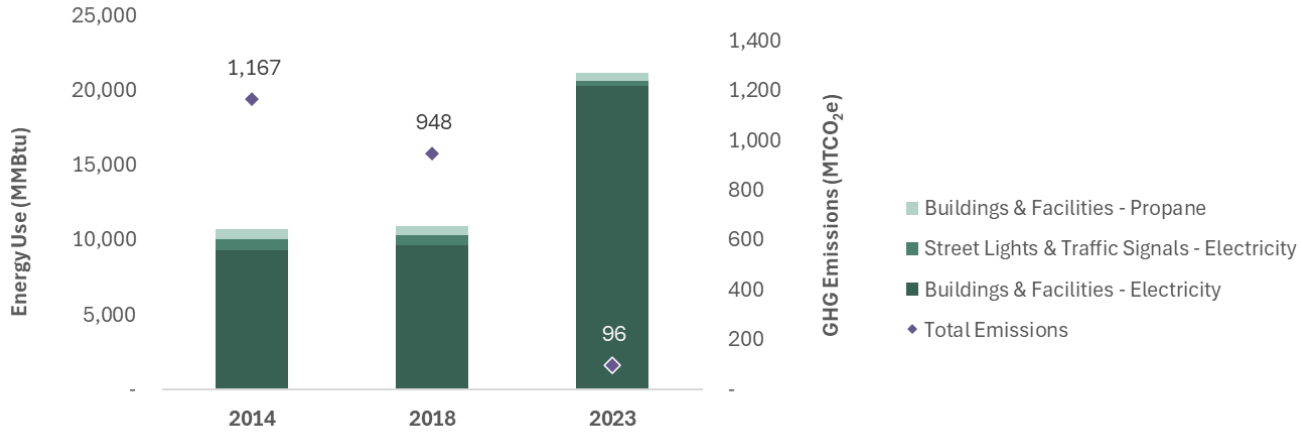
In 2023, emissions from municipal buildings and facilities totaled **96 $MTCO_2e$**, representing **17%** of overall municipal emissions (Figure 13). This category includes energy used to heat, cool, and power city-owned buildings and infrastructure.

ELECTRICITY

Electricity-related emissions for municipal buildings fell from **1,024 $MTCO_2e$ in 2014** to **63 $MTCO_2e$ in 2023**—a **94% reduction**. This decline reflects the City's shift to a **100% renewable electricity supply** for municipal operations (e.g., green power and solar participation), which eliminated emissions associated with municipal electricity use. The remaining electricity emissions correspond to transmission and distribution losses from the green power purchased from PSE, which is not currently covered by the City's green power purchases.

Even as energy consumption increased across facilities (Figure 15), emissions did not rise due to green power purchases.

Figure 15. Government operations energy use and emissions trends.



PROPANE (STATIONARY FUEL COMBUSTION)

Municipal propane use generated **33 MTCO$_2$e in 2023**, an **18% decrease since 2014** (Figure 15). Propane use remains one of the few remaining sources of building-related emissions and is used for heating at certain facilities.

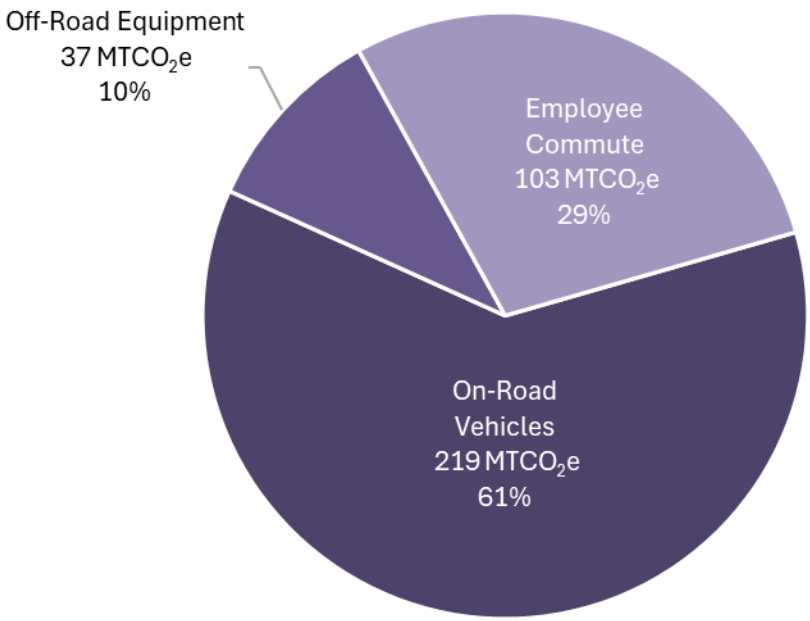
STREETLIGHTS AND TRAFFIC SIGNALS

Emissions from streetlights and traffic signals decreased from **103 MTCO$_2$e in 2014** to **0 MTCO$_2$e in 2023**, consistent with the City's shift to renewable electricity.

Transportation & Mobile Sources

Transportation activities were the **largest contributor** to municipal emissions in 2023, accounting for **69%** of the total (359 MTCO$_2$e). Sources include **on-road fleet vehicles**, **off-road equipment**, and **employee commuting** (Figure 16).

Figure 16. Municipal transportation emissions, by source.



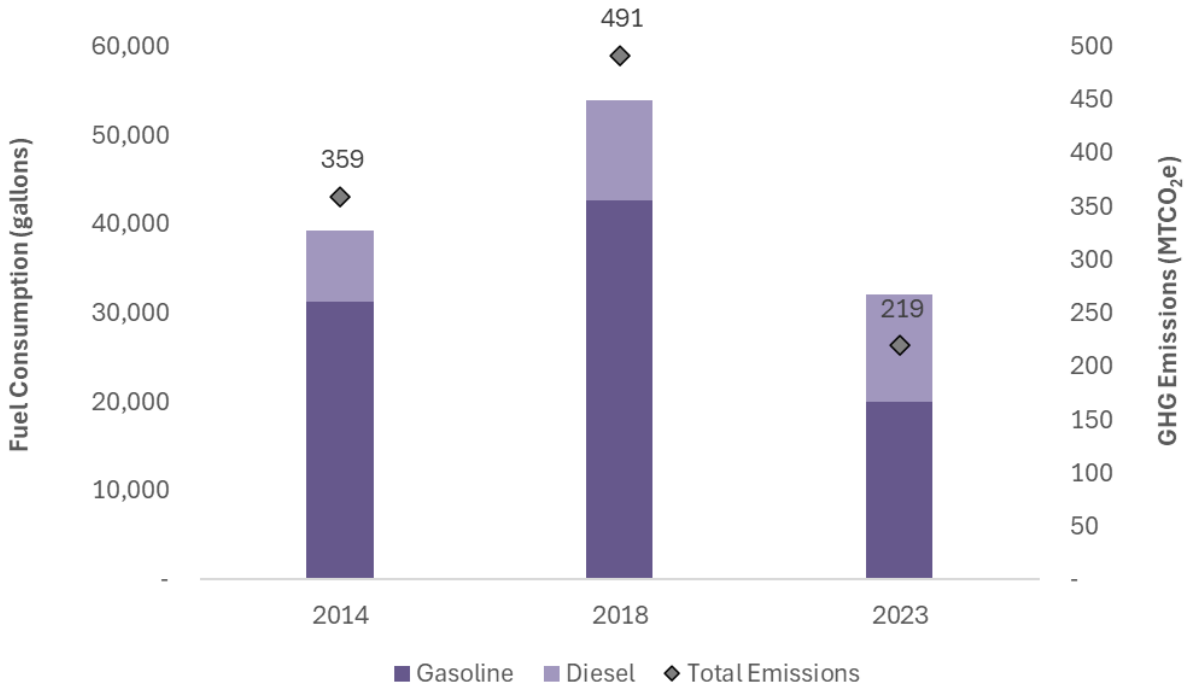
ON-ROAD FLEET VEHICLES

On-road fleet vehicles produced **219 $MTCO_2e$** in 2023 (61% of transportation emissions). These emissions reflect gasoline and diesel consumption from city-operated passenger vehicles, trucks, and specialty vehicles.

On-road fleet vehicle emissions decreased **39% since 2014 and 55% since 2018** (Figure 17), likely linked to:

- reduced fleet fuel use.
- turnover in the fleet toward more efficient vehicles.
- potential operational changes reducing vehicle miles traveled.

Figure 17.Government operations fleet fuel usage and emissions trends.



OFF-ROAD VEHICLES & EQUIPMENT

Off-road equipment (e.g., lawnmowers, boats, forklifts) generated **37 $MTCO_2e$** in 2023. This represents a **52% decrease** since 2014, likely reflecting reduced usage, improved efficiency, or updated equipment inventories (Figure 16).

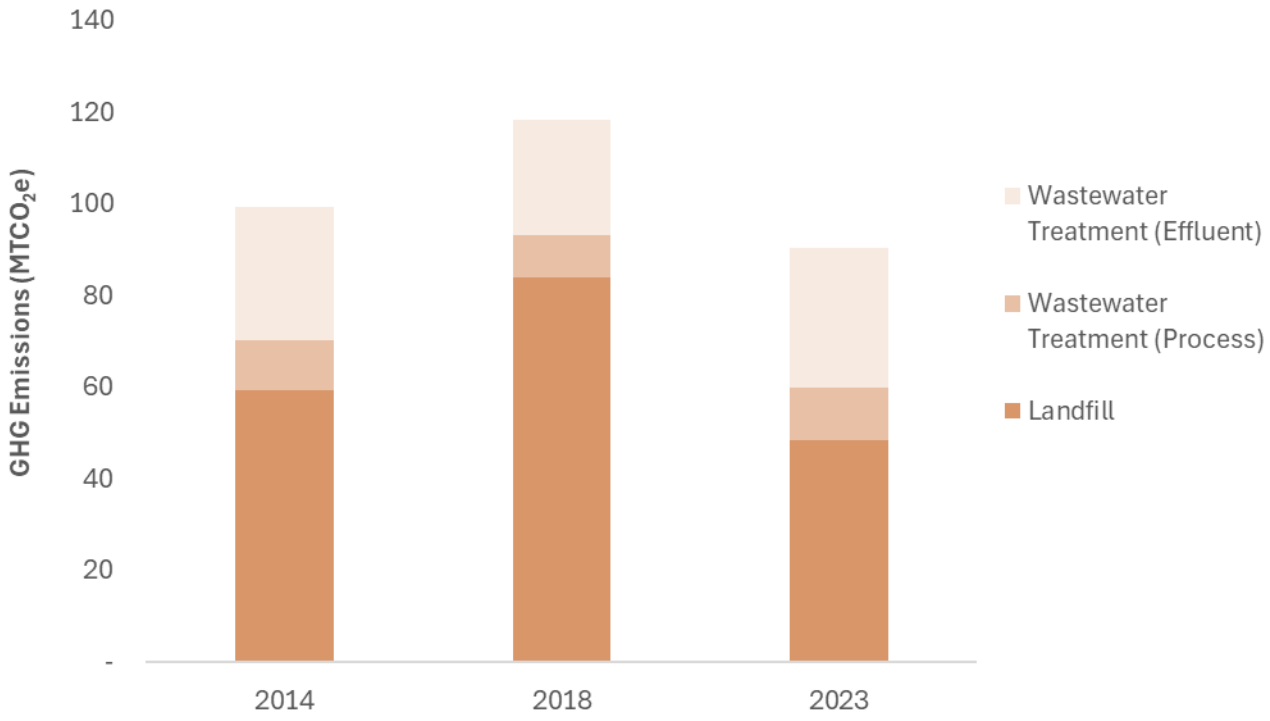
EMPLOYEE COMMUTE

Employee commute emissions totaled **103 $MTCO_2e$ in 2023**, accounting for **29%** of municipal transportation emissions. This reflects a **36% decrease since 2014** and a **44% decrease since 2018**, driven by shifts in commuting patterns and increased telework adoption. This decrease is particularly notable, as most employees live off-island.

Solid Waste and Wastewater

The solid waste and wastewater sector contributed **91 $MTCO_2e$** in 2023, or **16%** of total municipal emissions. Overall, emissions from this sector have declined since 2014 and 2018 (Figure 18).

Figure 18. Municipal solid waste & wastewater emissions trends.



LANDFILL

Emissions from the disposal of government-generated solid waste contributed **48 $MTCO_2e$** in 2023, accounting for **53%** of emissions within this sector. Landfill emissions decreased **18%** since 2014, reflecting reductions in waste disposed and changes in operational waste practices.

WASTEWATER TREATMENT

Municipal wastewater treatment process emissions (11 $MTCO_2e$) and effluent emissions (30 $MTCO_2e$) together accounted for **7%** of total municipal emissions. Both increased approximately **4%** since 2014, consistent with increases in wastewater generation resulting from population and facility activity changes.

Refrigerants

Refrigerant-related emissions totaled **35 $MTCO_2e$** in 2023 (7% of municipal emissions). This represents a **102% increase** since 2014, driven by an increased number of facilities requiring cooling equipment and leakage from stationary HVAC systems and mobile refrigerants in fleet vehicles. Although relatively small in magnitude, refrigerants are high–global warming potential gases, so improved refrigerant management, maintenance, and recovery practices represent a meaningful reduction opportunity.

Conclusion

The 2023 greenhouse gas (GHG) inventories for both the Bainbridge Island community and municipal operations provide a clear picture of current emissions and long-term trends. Communitywide emissions totaled **182,049 MTCO$_2$e** in 2023, a **14% decrease since 2014**, while municipal operations contributed **581 MTCO$_2$e**, just **0.3%** of the community total, and have declined **71%** over the same period.

Much of this progress is driven by a cleaner regional electricity grid and the City's transition to **100% renewable electricity** for all municipal buildings and infrastructure. As a result, electricity-related emissions have fallen sharply across the community and been nearly eliminated for municipal operations.

Even with this progress, the inventories highlight several areas where continued action is needed. **Transportation** remains the largest contributor to emissions for both the community and the City—driven by on-road vehicles, air travel, and marine travel communitywide, and by fleet vehicles and employee commuting for municipal operations. **Delivered building fuels** (propane and fuel oil) also remain notable contributors at the community scale, while propane use, landfill waste, wastewater treatment, and refrigerants represent the remaining sources for municipal operations.

Together, these inventories show that Bainbridge Island has achieved meaningful reductions since 2014, especially in building energy emissions. Going forward, the greatest opportunities for further reductions lie in **transportation decarbonization**, **building electrification**, **waste and refrigerant management**, and **continued municipal leadership** through efficient operations and fleet transitions. These findings provide a strong foundation for shaping next steps and supporting ongoing climate action on Bainbridge Island.

Appendix A: Methodology

This appendix outlines detailed methodology used to estimate communitywide and municipal GHG emissions summarized in this report. This methodology section includes data sources and key assumptions. It also highlights limitations and uncertainties associated with the data and methods to provide context for GHG emissions results.

Methodology and Data Sources

GHG emissions data comes from a variety of federal, state, and local sources. Ideally, data sources can be provided at the local level to ensure the most accurate GHG emissions estimates.

Calculating GHG emissions involves identifying and applying emission factors to activity data, summarized in Table 12 below. The GHG inventories used locally specific data as much as possible, based on data availability.

- **Activity data** quantifies the amount of activity that ultimately generates emissions. Examples of activity data include kilowatt hour of electricity consumed, vehicle miles traveled (VMT), and tons of waste generated.

- **Emission factors** are values that are used to determine the amount of a specific GHG emitted based on one unit of activity data. Examples of emission factors include metric tons of carbon dioxide (CO_2), nitrous oxide (N_2O), methane (CH_4), or CO_2 equivalence emitted per kilowatt hour of electricity consumed, per ton of waste generated, or per VMT.

Data quality is assessed and reported on a **High (H), Medium (M),** and **Low (L)** scale in accordance with GHG inventory best practices (Table 12 and Table 13):

- A ***High*** rating indicates data are detailed and specific to the local geography
- A ***Medium*** rating indicates data are more general or modeled with robust assumptions and may not be specific to the local geography, but are downscaled from a slightly broader geography (e.g., state-level)
- A ***Low*** rating indicates data are highly modeled, uncertain, or a default value was used based on national characteristics.

Communitywide

Table 12. Key data sources for the Bainbridge Island's communitywide inventory.

Sector	Activity Data	Quality	Emission Factors	Quality
Residential Energy				
Electricity	• City-wide consumption provided by PSE.	H	• PSE reported emissions factors (PSE Greenhouse Gas Inventory, 2023).	H
Stationary Fuel Combustion[5]	• Statewide propane and fuel oil consumption by sector (2023). • U.S. Census "House Heating Fuels" for Bainbridge Island and WA State (2023).	M	• CO_2, CH_4, and N_2O emission factors defaults from ClearPath.	H
Electricity Transmission & Distribution Losses	• City-wide consumption provided by PSE.	M	• PSE reported emissions factors (PSE Greenhouse Gas Inventory, 2023).	H
Non-Residential Energy				
Electricity	• City-wide consumption provided by PSE.	H	• PSE reported emissions factors (PSE Greenhouse Gas Inventory, 2023).	H
Electricity Transmission & Distribution Losses	• City-wide consumption provided by PSE.	M	• PSE reported emissions factors (PSE Greenhouse Gas Inventory, 2023).	H
Stationary Fuel Combustion	• Statewide propane and fuel oil consumption by sector (2023). • PSRC Bainbridge Island employees by sector (2023). • WA State employees by sector (2023) from the Washington State Employment Security Department (ESD).	M	• CO_2, CH_4, and N_2O emission factors defaults from ClearPath.	H
Transportation				
On-Road Vehicles	• Passenger and freight vehicle VMT, provided by travel model data, for proportion of Kitsap County VMT occurring in Bainbridge Island. • Reported transit vehicle miles traveled by fuel type for each transit agency from the National Transit Database (NTD).	M	• U.S. Environmental Protection Agency (EPA) EF Hub average EFs (by vehicle & fuel type).	L
Off-Road Vehicles & Equipment	• EPA Motor Vehicle Emission Simulator (MOVES) model outputs, by county for proportion of Kitsap County activity occurring in Bainbridge Island.	M	• N/A (data reported in emissions).	L

[5] The stationary fuel combustion approach was updated in 2023 to use a more accurate methodology than was used for the 2014 and 2018 inventories. See the *Propane and Fuel Oil* section of the report (within "Building Energy") for more information.

Sector	Activity Data	Quality	Emission Factors	Quality
Air travel	• Emissions from Seattle-Tacoma International Airport (SEA) were attributed to individual counties in combination with passenger survey data, population, and household income data from the U.S. Census.	M	• CO_2, CH_4, and N_2O emission factors defaults from ClearPath.	H
Ferry travel	• Ferry fuel price, from EIA, and cost, from WSDOT.	M	• CO_2, CH_4, and N_2O emission factors defaults from ClearPath.	H
Solid Waste and Wastewater				
Solid Waste Generation[6]	• City-wide tonnage provided by Bainbridge Disposal. Where local waste characterization data were unavailable, Department of Ecology regional characterizations were used.	M	• Waste characterizations from 2020 WA Waste Characterization Study, for Kitsap County.	M
Solid Waste Collection & Transportation	• City-wide tonnage provided by Bainbridge Disposal. • Round-trip mileage to disposal site estimated on Google maps.	M	• CO_2, CH_4, and N_2O emission factors defaults from ClearPath.	L
Yard Waste Composting	• City-wide tonnage provided by Bainbridge Disposal.	M	• CO_2, CH_4, and N_2O emission factors defaults from ClearPath.	L
Landfill Processing	• City-wide tonnage provided by Bainbridge Disposal.	M	• CO_2, CH_4, and N_2O emission factors defaults from ClearPath.	L
Wastewater Treatment Facility	• Wastewater treatment facility processes determined based on desktop research and confirmed with City staff. • Population served by wastewater treatment facility estimated by multiplying the number of sewer connections by the average household size from U.S Census data.	M	• CO_2, CH_4, and N_2O emission factors defaults from ClearPath.	L
Septic Tanks	• Population data estimated based on number of septic systems reported to the Kitsap Department of Health and the number of sewer connections in the community.	M	• CO_2, CH_4, and N_2O emission factors defaults from ClearPath. • Fugitive emissions calculated using Community Protocol WW.11 Alternative Method for Methane Emissions from Septic Systems if Only the Population is Known.	L

[6] 2014 and 2018 waste tonnages were retroactively updated when completing the 2023 GHG inventory. This was done to more accurately estimate the distribution of waste between single-family and multi-family/commercial sectors.

Sector	Activity Data	Quality	Emission Factors	Quality
Other Process and Fugitive Emissions				
Refrigerant Leakage	• HFC and PFC tonnage from Annex in U.S. EPA GHG Inventory Sources and Sinks, scaled down to Bainbridge Island population. • SF_6 tonnage and customer data from PSE, scaled down to Bainbridge Island customers.	L	• HFC and PFC GWP from IPCC 5th Assessment Report, with adjustment for climate-carbon feedback. • SF_6 100-Year GWP from U.S. EPA GHG Sources and Sinks. • Emissions calculated using Community Protocol Alternative Method BE.7.1.A.	H
Agriculture				
Enteric Fermentation and Manure Management	• Animal population and pastureland from USDA Agricultural Census, for Kitsap County. • Agricultural acres with livestock on Bainbridge Island and waste management system, from Kitsap County Conservation District. • Typical animal mass and B_o, Volatile solids and excreted nitrogen, and methane conversion factors from U.S. EPA GHG Inventory Sources & Sinks, 2022 Annexes.	M	• EF, 100-year GWP for CH_4 and N_2O, and volatilization nitrogen loss from U.S. EPA GHG Inventory Sources & Sinks, 2022 Annexes. • EF for nitrogen volatilization and runoff/leaching from U.S. Community Protocol, Appendix G. • Indirect N_2O emissions calculated using U.S Community Protocol, Appendix G.	M

Residential Energy

- Electricity consumption data was provided by the utility serving Bainbridge Island, PSE. Emissions from electricity transmission and distribution (T&D) losses were included using PSE specific emission factors.

- Stationary fuel combustion consisted of residential fuel oil and propane, with per-household consumption data from EIA and the number of households from American Community Survey. Residential fuel oil and propane emissions were calculated using per-household 2023 U.S. EIA residential fuel oil and propane consumption data for the state of Washington. Statewide total residential fuel consumption was allocated to Bainbridge Island using U.S. Census American Community Survey (ACS) home heating fuel data. This approach was updated for the 2023 inventory, and the 2014 and 2018 inventories were retroactively updated.

Non-Residential Energy

- Electricity consumption data was provided by the utility serving Bainbridge Island, PSE. Emissions from electricity transmission and distribution (T&D) losses were included using PSE specific emission factors.

- Stationary fuel combustion included commercial and industrial propane consumption, with consumption data from EIA and the number of commercial and industrial employees from the Washington State Employment Security Department. Per-employee commercial and industrial propane emissions were calculated using 2023 U.S. EIA commercial and industrial propane consumption data for the state of Washington. Statewide total commercial and industrial fuel

consumption was allocated to Bainbridge Island using the number of employees in the commercial and industrial sectors from Puget Sound Regional Council. This approach was updated for the 2023 inventory, and the 2014 and 2018 inventories were retroactively updated.

Transportation

- On-road vehicle miles traveled were derived from Puget Sound Regional Council's travel model data and account for all mileage within the Kitsap County boundary regardless of trip origin or destination. Emissions for Bainbridge Island are assumed proportional to the share of Kitsap County VMT occurring in Bainbridge Island city limits. Share of average weekday VMT occurring in Bainbridge Island was calculated from 2023 travel model data and includes all vehicle types. Bainbridge Island VMT shares represents all trips to/from Bainbridge Island as well as those driving through the city boundaries. The PSRC data reported VMT and emissions for passenger vehicles, medium trucks, heavy trucks, and transit. In ClearPath, we reported medium trucks as light trucks. For medium- and heavy-duty freight emissions, VMT was multiplied by fuel- and vehicle-specific emissions factors from the 2023 EPA Emission Factors Hub. For light-duty vehicles, 2023 vehicle registration data from Kitsap County was used to estimate a portion of VMT that should be attributed to EVs (1.7%). The remaining VMT from internal combustion engine light-duty vehicles was distributed into different fuel types based on statewide non-EV composition data provided by PSRC, which was then multiplied by fuel-specific emissions factors from the EPA Emission Factors Hub. The vehicle registration data was also used to create a weighted emissions factor for light-duty gasoline vehicles, based on the split between passenger vehicles and light trucks in Bainbridge Island.

- Transit annual revenue miles and fuel consumption data for Kitsap County were acquired from the National Transit Database from the Federal Transit Administration. These data were scaled down to Bainbridge Island by population.

- The Port of Seattle supplied jet fuel consumption data for SeaTac Airport for 2023, of which 0.5-1% was attributable to Bainbridge Island. SeaTac passenger enplaning surveys and population and employment statistics were used to assign the above fraction of the total airshed emissions to the Bainbridge Island community.

- Ferry fuel consumption was derived from EIA data on diesel fuel price and from WSDOT data on the reported fuel cost for the Bainbridge Island route in fiscal year 2023.

- Off-road emissions were calculated from the nonroad module of the EPA MOVES model for 2023. The model estimates emissions at the county level, which were then scaled down to Bainbridge Island by population. Emissions include common non-road equipment, including construction, agriculture, lawn/gardening, and recreational equipment.

FERRY EMISSIONS ATTRIBUTION

Accounting for emissions related to ferry transportation can be complicated by the fact that ferries typically travel between multiple jurisdictions. To simplify the methodology for calculating these emissions, the U.S. Community Protocol recommends allocating portions of the total emissions

related to ferry transportation according to the number of stops located in each jurisdiction. For example, for the Bainbridge Island-Seattle ferry, this would equate to a 50/50 split of emissions since there is one ferry stop in each city. This is the calculation approach that was used in this community inventory.

However, another possible method for attributing emissions to a particular jurisdiction is by ridership and examining the proportion of ferry riders from each city. To test that the 50/50 allocation was the correct choice for Bainbridge Island, we performed a sensitivity analysis using a ridership-based methodology. Using data reported by Washington State, we assumed that where travelers were heading in the evening on a weekday was likely where they reside. Based on this assumption and available data, we examined the proportion of total ferry travelers that end in Bainbridge Island in the evening versus elsewhere. Using this technique, we deduced that 47% of weekday ferry commuters are residents of Bainbridge Island—a value that is very close to the original 50% estimate.

Given that this proportion strongly aligns with the 50/50 approach recommended by the U.S. Community Protocol, we ultimately followed the U.S. Community Protocol attribution approach to align with the robust and established methodology used by other communities in the region.

Solid Waste and Wastewater

- Bainbridge Disposal single-family tonnages and Kitsap County waste characterization data, along with default emissions factors provided in ClearPath, were used to calculate emissions from waste disposal and composting. Multi-family and commercial tonnages were not directly available and were estimated using a single-family to multi-family + commercial ratio of 32:68, based on the transfer station survey data collected for the 2020 Washington Waste Characterization Study.

- Landfill methane collection scenario confirmed “typical” by Columbia Landfill Annual precipitation from National Weather Service, Arlington, OR.

- Wastewater emission calculations required data from Kitsap County Sewer District #7 and the City of Bainbridge Island wastewater treatment plants. City and District staff provided the data.

- Data required for higher quality calculations in ClearPath, such as BOD5 or population specifically using septic systems (including unpermitted systems), were not available. Therefore, fugitive septic tank emissions were estimated based on the number of Bainbridge Island residents not served by a sewer connection.

Other Process & Fugitive Emissions

- Data on fugitive refrigerant HFC and PFC emissions at city scales is scarce. The U.S. EPA’s 2019 Inventory of GHG Sources and Sinks and scaled the data to Bainbridge Island by population.

- PSE's greenhouse gas inventories from 2023 provided fugitive electric transmission and distribution emissions data for SF6. We scaled the data to Bainbridge Island using PSE customer data.

Agriculture

- The USDA provides publicly available data on the number of animals by county, which was scaled down to Bainbridge Island according to the ratio of livestock to land area. Kitsap County Conservation District provided data on manure management systems. The EPA provides national-level animal enteric and manure emissions factors, and state-level emissions factors for cattle.

Government Operations

Table 13. Data Sources for Bainbridge Island's government operations GHG emissions inventories.

Sector	Activity Data	Quality	Emission Factors	Quality
Building & Facilities Energy				
Electricity	• kWh consumption compiled from PSE bills.	H	• PSE reported emissions factors (PSE Greenhouse Gas Inventory, 2023).	H
Stationary Fuel Combustion	• Gallons of propane based on municipal purchasing information provided by O&M.	H	• CO2, CH4, and N2O emission factors defaults from ClearPath.	M
Streetlights and Traffic Signals	• Quantity, type, and wattage of each streetlight and traffic signal transcribed from PSE bills. • Installed wattage used to estimate electricity consumption in kWh.	M	• PSE reported emissions factors (PSE Greenhouse Gas Inventory, 2023).	H
Vehicle Fleet				
On-Road Fleet Vehicles	• Total fuel volumes by fuel type provided by Public Works staff. • VMT for each vehicle and fuel type were estimated based on the 2018 inventory percentage of total fuel type attributed to each vehicle type, as VMT data by vehicle was unavailable for 2023.	H	• U.S. Environmental Protection Agency (EPA) EF Hub average EFs (by vehicle & fuel type).	H
Off-Road Vehicles	• Fuel volumes by fuel type provided by Public Works staff. • As 2023 fuel volumes were unavailable for specific vehicles, 2018 percentages of total fuel for each fuel type were applied to each category of off-road vehicles to estimate fuel use for each fuel type and off-road vehicle combination.	H	• Default emissions factors provided in ClearPath by equipment and fuel type.	M
Employee Commute	• $MTCO_2e$ obtained from Commute Trip Reduction survey conducted by WSDOT.	M	• N/A; value converted to $MTCO_2e$ by WSDOT.	N/A
Solid Waste and Wastewater				
Solid Waste Generation	• Bin sizes, pickup frequency, average fullness, and waste type were transcribed from solid waste bills. • Estimated cubic yards of waste were then converted to tons using EPA solid waste weight conversions.	M	• ClearPath default emissions factors used to estimate all future methane emissions resulting from the decomposition of each waste type.	L
Wastewater Treatment Facility	• Wastewater treatment facility processes determined based on desktop research and confirmed with City staff. • Population served by wastewater treatment facility estimated by multiplying the number of sewer connections (city staff) by the average household size (ACS).	M	• Local Government Operations Protocol equations 10.8 and 10.10 used to calculate N_2O emissions. • CH_4 emissions were not applicable since the system is aerobic.	L

Sector	Activity Data	Quality	Emission Factors	Quality
Refrigerant Leakage				
Refrigerant Leakage from Building Heating and Cooling Equipment	• List of heating/cooling equipment provided by city staff. • Equipment categorized by type and refrigerant used.	L	• Emissions calculated using Equation 6.35 and the default factors in Table 6.4 of the Local Government Operations Protocol.	L

Building and Facility Energy

- City staff compiled electricity consumption data from PSE electricity bills for the City of Bainbridge Island's municipal operations.
- Facilities maintenance and purchasing records were used to compile total gallons of propane used in buildings and facilities.
- Past inventories estimated the total electricity usage of streetlights and traffic signals operated by the City of Bainbridge Island by counting the number, wattage, and types of streetlights and traffic signals included in the individual monthly PSE electricity bills. Equation 6.15 in the Local Government Operations Protocol is used to convert wattage to estimated electricity consumption in kWh. We assumed an average daily operating time of 12 hours for streetlights and 8 hours for traffic signals. City staff compiled 2023 electricity data for streetlights in alignment with previous inventories.

Transportation

- On-road and off-road vehicles and equipment were categorized into standard vehicle types (i.e., passenger car, light-duty truck, heavy-duty truck, etc.) based on provided vehicle descriptions and make/model information, in alignment with previous inventories. Total fuel gallons by fuel type were available for 2023, but fuel used by each fleet vehicle and equipment were not. VMT data was available for the list of fleet vehicles provided. 2018 fuel data by vehicle type and fuel type were used to estimate the proportion of each fuel type used by each vehicle and equipment category. Off-road emissions were estimated using ClearPath default emission factors. On-road emissions were estimated using EPA EF Hub average emission factors by vehicle & fuel type.
- City staff provided gasoline volumes for police boat use separately.
- We obtained total emissions (in MTCO2e) associated with employee commuting from the Commute Trip Reduction Survey conducted by WSDOT.

Solid Waste and Wastewater

- City staff provided data on waste generation for the City of Bainbridge Island's municipal operations.

- The data shared indicated the disposal bin volume, the pickup frequency, the estimated fullness, and the waste stream (i.e., recycling, yard waste, trash, etc.). We assumed that waste described as yard waste was composted, waste described as solid waste was landfilled, and that waste described as recycling was recycled. We converted annual volumes of waste by type into tons of waste by type using EPA solid waste weight conversions. We then used King County waste composition information and ClearPath default emissions factors to estimate emissions associated with waste generation and composting.

- We estimated wastewater treatment N2O emissions using Equation 10.7 and 10.10 of the Local Government Operations Protocol. Population served was estimated by Bainbridge Island City staff. Default nitrogen load information was used since local data was not available.

Refrigerant Leakage

- We acquired a list of heating/cooling equipment used in municipal buildings from Bainbridge staff. We did an online search of the equipment models and serial numbers to determine how to best categorize each piece of equipment. Using these categorizations, we estimated emissions from operational refrigerant leakage using Equation 6.35 and Table 6.4 of the Local Government Operations Protocol.

- Additional emissions associated with the disposal of refrigerants used in the old police station heating/cooling equipment were also included in 2023 as the building was torn down.

CITY OF
BAINBRIDGE ISLAND

City Council Regular Business Meeting Agenda Bill
Tuesday, May 12, 2026

Agenda Item: Approve the Climate Change Advisory Committee (CCAC) 2025 Report and 2026 Workplan

Department: Executive

Agenda Section: Consent Agenda - 6:50 pm

Estimated Time: 0 Minutes

Recommendation:

I move to approve the Climate Change Advisory Committee (CCAC) 2025 Report and 2026 Work plan as presented at the April 21, 2026, study session.

Narrative:

At the April 21, 2026 City Council Study Session, the Climate Change Advisory Committee (CCAC) provided a report of work completed in 2025 and proposed a work plan of activities for 2026. Council discussed the work plan and forwarded it to a business meeting for approval.

Fiscal Impact:

Community Engagement and Outreach:

Attachments:

1. CCAC 2025 Annual Report & 2026 Work Plan

CITY OF BAINBRIDGE ISLAND

CCAC 2025 Annual Report & 2026 Work Plan

Climate Change Advisory Committee (CCAC)

Purpose
This report summarizes the work completed by the Climate Change Advisory Committee (CCAC) in 2025 and sets out the committee's priorities for the remainder of 2026. It is intended to inform both the Committee and the City Council of progress made in support of the City's Climate Action Plan (CAP).

2025 Annual Report

Kicking Gas Heat Pump Pilot Program - Review Outcomes and Findings / Recommend Next Steps
The CCAC originally helped design and plan this Pilot Program at the direction of Council and then Climate Manager Autumn Salamack. Once the program was completed this past year, members of the CCAC reviewed with Kicking Gas, City Staff, and the new Climate Manager Laura Rÿser pilot findings and recommended next steps.

- Program Outcomes
  - Heat pumps installed: 20
  - Annual CO_2 emissions reduced: 62 metric tons
  - Community outreach events: 13
  - Applications received and reviewed: 123
  - Households qualifying for the program: 45 of 123 (37%)
  - Installations serving households ≤80% area median income: 18 of 20 (90%)
- Key Findings
  - The pilot should be considered a success. Met original goals for number of installations. Critically, 90% of installations served households at or below 80% of area median income, demonstrating the program's effectiveness in reaching the City's priority demographic.
  - Challenges included higher-than-anticipated installation costs, a lack of accessible financing options for lower-income participants, administrative complexity arising from City and Commerce grant requirements, and shifting market conditions driven by tariffs, inflation, and changes to federal tax credits.
- CCAC Recommended Next Steps
  - Sustain local investment in climate action incentives and subsidy programs, building on the pilot's success.

- Leverage partnerships and funding by expanding collaboration with regional organizations, responsible financing entities, and grant makers to extend the City's investment and build long-term program sustainability.
- Explore expanded incentives covering additional electrification measures — such as induction cooking and heat pump water heaters — and potential incentives for renters and small businesses.
- Develop equity-focused financing mechanisms, including bridge financing or low-interest loan options, to reduce upfront cost barriers for lower-income households.
- Adopt hybrid outreach models that combine virtual information sessions with in-person events to maximize accessibility and community connection.

Greenhouse Gas Inventory - Review Drafts and Provide Input

- An updated greenhouse gas inventory is crucial for evaluating the City's progress toward its Climate Action Plan goals.
- The CCAC reviewed the near final drafts of the updated GHG Inventory and provided comments based on requests from the Climate Manager.
- Finalization of the inventory has been delayed while the City's consultant completes an additional analysis of propane fuel methodology. The consultant is scheduled to present findings to the City Council at the April 21, 2026, meeting, after which the CCAC will be positioned to help report on updated emission trends and will seek to integrate the results into the CAP update process.

Electric Vehicle Charging Code for Multifamily Buildings - Continue to Support Analysis and Refinements

- In 2024 Council liaisons and City Staff asked the CCAC to review the new Electric Vehicle Charging Code for Multifamily Buildings. Following analysis and recommendations produced by CCAC members in 2024, the City engaged an intern, Maurie Harbick, to conduct further research on potential updates to the EV charging code for multifamily properties. Maurie consulted with the CCAC members who led the 2024 analysis and presented interim findings at the October and November 2025 CCAC meetings.
- The CCAC has also noted that permitting readiness and infrastructure transparency for EV and other GHG-reducing installations should be incorporated into the broader CAP revision process.
- Two CCAC members joined the City at a Farmer's Market outreach table to gather feedback on the potential to update EV charging code for multifamily buildings.

Food Dehydrator Assessment - Assess and Recommend

- At the request of the City Council, the CCAC evaluated the merits of advocating for a particular brand of food dehydrator as a component of the City's composting program. The committee produced a report presenting the relevant considerations for Council review.
- The recommendation was provided to Council at the July 15, 2025, study session.

Climate Action Plan

- Climate Manager Laura Rÿser has asked the CCAC to support her efforts to initiate the updating of the Climate Action Plan; the CCAC has begun to divide up the document by sections and to assign different pieces to respective members based on their expertise and interests. This work will continue as a central priority in 2026.

Comprehensive Plan

- The Planning Commission requested that the CCAC look at draft language related to revisions to the Comp Plan; the CCAC submitted comments related to incorporating considerations related to climate change and the CAP into the updated plan.

Groundwater Management Plan

- Council liaisons and City Staff requested that the CCAC participate in a subcommittee with the Utility Advisory Committee to provide input into the groundwater management plan.

ETIPP Interview with Sandia Renewable Energy Lab

- CCAC members joined Climate manager Laura Rÿser in a discussion with researchers at Sandia National Lab on a project titled *Energy Planning Across Scales*; aimed at improving cooperation between communities and utilities who were involved in the Department of Energy's Energy Technology Innovation Partnership Project (ETIPP).

Zero Emissions Landscaping Ordinance Memo

- The CCAC co-authored a memo with REAC titled *Recommendations Regarding Draft Zero Emission Landscaping Ordinance*.

2026 Work Plan Priorities

1. **Climate Action Plan: Support Work to Update, Revise, Enhance**
   Draw on past experience and new perspectives to work with the Climate Manager to advance the CAP; conduct analysis on the current document and participate in community outreach, public surveys, and public meetings. Ensure that prior studies — including the ETIPP federal partnership analysis and the Fehr & Peers transportation study — are incorporated into the updated plan.

2. **Greenhouse Gas Inventory: Support Finalization, Utilize for Other Work**
   Support the Climate Manager in finalizing the updated GHG inventory following the consultant's April 21 Council presentation; use the updated emissions data to inform CAP revision priorities.

3. **Electric Vehicle Charging Code for Multifamily Buildings: Mine Past Analysis for Future Enhancements**
   Work with City staff to advance updates to the EV charging code that broaden access to

Level 2 charging in new multifamily buildings, building on the 2024 CCAC report and the intern's 2025 analysis.

4. **Solarize Bainbridge: Lean in to Help Promote**
   Support and extend the work of the Climate Manager and of Olympia Community Solar to promote outreach efforts for the Solarize Bainbridge program; leverage collaborations with the newly formed Bainbridge Solar Collective.

5. **Solar and Battery Feasibility Study: Provide Feedback and Support**
   Review the feasibility study report and assist the Climate Manager in identifying potential funding opportunities for implementation.

6. **Climate Mitigation Strategies for Bainbridge Island to Address Rising Sea Levels**
   Work with Climate Manager to address sea level rise impacts on public infrastructure.

7. **Progress Dashboard: Help Visualize Data and Insights**
   Work with the Climate Manager to develop a public-facing dashboard tracking the City's progress toward CAP goals.

8. **Intercounty Climate Partnership: Share Knowledge & Seek Allies**
   Participate in the six-county regional climate partnership, which convenes quarterly.

9. **Climate Lens**
   Support the Climate Manager to pilot climate informed decision making at the city using the climate lens tool.

10. **Community Outreach & Engagement**
    Support the Climate Manager and City Staff with communications, events, and the development of public outreach materials.

11. **City Council Requests**
    The CCAC always stands ready to respond to ad hoc requests from the City Council for information, analysis, or recommendations on climate-related matters.

CITY OF
BAINBRIDGE ISLAND

City Council Regular Business Meeting Agenda Bill
Tuesday, May 12, 2026

Agenda Item: Authorize the Interim City Manager to Execute an Amendment that Renews the Interlocal Agreement with Kitsap County Sheriff's Office for Mutual Aid and Traffic Safety Task Force

Department: Police

Agenda Section: Consent Agenda - 6:50 pm

Estimated Time: 0 Minutes

Recommendation:

Authorize the City Manager to execute the amendment that renews the Interlocal Agreement with Kitsap County Sheriff's Office for Mutual Aid and Traffic Safety Task Force retroactive to January 1, 2026.

Narrative:

The Kitsap County Sheriff's Office provides for the joint and cooperative undertaking of multi-jurisdictional law enforcement agencies through a Traffic Safety Task Force coordinator to establish, implement, and manage Traffic Safety Task Force emphasis patrols targeting specific offenses such as alcohol and other drug-impaired driving, underage drinking, speeding, distracted driving, and occupant protection offenses. Bainbridge Island's portion of the cost of supporting the Traffic Safety Task Force Coordinator is $2,500 annually.

Fiscal Impact:

$2500 (included in currently-authorized 2026 Adopted Budget)

Community Engagement and Outreach:

Attachments:

1. KC 017-21A ILA Traffic Safety Task Force Amend 04202026

KC-065-21A
AMENDMENT TO
INTERLOCAL AGREEMENT FOR MUTUAL AID AND TRAFFIC SAFETY TASK FORCE

This AMENDMENT ("Amendment") to the Interlocal Agreement for Mutual Aid and Traffic Safety Task Force is made by and between Kitsap County, a Washington political subdivision (“County”), on behalf of the Kitsap County Sheriff’s Office, and the City of Bainbridge Island on behalf of the Bainbridge Police Department, the City of Bremerton on behalf of the Bremerton Police Department, the City of Port Orchard on behalf of the Port Orchard Police Department, and the City of Poulsbo on behalf of the Poulsbo Police Department, all Washington state municipal corporations, and the Suquamish Tribe on behalf of the Suquamish Police Department, a federally recognized tribe, all are collectively referred to as a “Participating Agency” and collectively referred to as the “Parties”.

WHEREAS the parties executed Interlocal Agreement for Mutual Aid and Traffic Safety Task Force KC-065-21 effective January 1, 2021 (“Agreement”) for the purpose of providing mutual law enforcement assistance to target and apprehend individuals committing traffic offenses.

WHEREAS, the Agreement expired December 31, 2025, during which time the Parties continued to operate and provide mutual aid services, and desire to ratify those actions and make this Amendment retroactive to that date to ensure continuous coverage and authority.

WHEREAS, the Parties desire to extend the duration of the Agreement subject to the terms and conditions of this Amendment.

NOW, THEREFORE, in consideration of the foregoing recitals, which are incorporated by reference, the parties agree as follows:

1. Section 5. Section 5 (Effective Date, Duration, Filing) of the Agreement is amended and replaced in with the following:

   This Amendment shall be effective retroactively as of January 1, 2026 (“Effective Date”). To the extent that any mutual aid services were provided, law enforcement powers were exercised, or payments were made between January 1, 2026, and the date of full execution of this Amendment, the Parties hereby ratify and approve such actions, intending them to be governed by the terms and conditions of the Agreement as amended herein.

   This Agreement shall remain in full force and effect unless terminated as provided in Section 6.

2. Section 6. Section 6 (Termination) of the Agreement is amended and replaced with the following:

   Any Participating Agency may terminate its participation under this Agreement by providing thirty (30) days’ prior written notice to the other parties. The termination of a Participating Agency will not automatically result in the dissolution of the Task Force. A terminated participating agency assumes no responsibility for the acts or omissions occurring after the effective termination date but shall remain liable for acts or omissions

occurring prior to the effective date of termination. The Task Force may be dissolved in its entirety by unanimous agreement of all parties.

3. Precedence. In the event of any conflict or inconsistency between the provisions of this Amendment and the Agreement, including any prior amendments, the provisions of this Amendment shall prevail.

4. Terms Unchanged. Except as expressly provided in this Amendment, all other terms and conditions of the Agreement, including any prior amendments, remain unchanged and in full force and effect.

5. Counterparts/Electronic Signature. This Amendment may be executed in several counterparts, each of which shall be deemed an original, but all of which together shall constitute one and the same agreement. Facsimile, email, or other electronically delivered signatures of the parties shall be deemed to constitute original signatures and duplicate originals.

6. Authorizations. The signatories to this Amendment represent that they have been appropriately authorized to enter into this Amendment on behalf of the party for whom they sign, and that no further action or approvals are necessary before execution of this Amendment.

Dated this _____ day of _____, 2026

KITSAP COUNTY

_____

JOHN GESE, Sheriff

DATED or ADOPTED this ____ day of _____, 2026.

BOARD OF COUNTY COMMISSIONERS
KITSAP COUNTY, WASHINGTON

_____
ORAN ROOT, Chair

_____
KATHERINE T. WALTERS, Commissioner

_____
CHRISTINE ROLFES, Commissioner

ATTEST:

_____
Dana Daniels, Clerk of the Board

Dated this _____ day of _____, 2026

CITY OF BAINBRIDGE ISLAND

_____
JOSEPH CLARK, Chief of Police

DATED or ADOPTED this ____ day of _____, 2026.

CITY OF BAINBRIDGE ISLAND

_____
ELLEN SCHROER, Interim City Manager

APPROVED AS TO FORM:

CITY OF BAINBRIDGE ISLAND

_____

Dated this _____ day of _____, 2026

CITY OF BREMERTON

_____
TOM WOLFE, Chief of Police

DATED or ADOPTED this ____ day of _____, 2026.

CITY OF BREMERTON

_____
GREG WHEELER, Mayor

APPROVED AS TO FORM:

CITY OF BREMERTON

_____

Dated this _____ day of _____, 2026

CITY OF PORT ORCHARD

_____
MATT BROWN, Chief of Police

DATED or ADOPTED this ____ day of _____, 2026.

CITY OF PORT ORCHARD

_____
ROBERT PUTAANSUU, Mayor

APPROVED AS TO FORM:

CITY OF PORT ORCHARD

_____

Dated this _____ day of _____, 2026

CITY OF POULSBO

_____
RON HARDING, Chief of Police

DATED or ADOPTED this ____ day of _____, 2026.

CITY OF POULSBO

_____
BECKY ERICKSON, Mayor

APPROVED AS TO FORM:

CITY OF POULSBO

_____

Dated this _____ day of _____, 2026

SUQUAMISH TRIBE

_____
MARK WILLIAMS, Chief of Police

DATED or ADOPTED this ____ day of _____, 2026.

SUQUAMISH TRIBE

_____
LEONARD FORSMAN, Chairman

DATED or ADOPTED this ____ day of _____, 2026.

SUQUAMISH TRIBE

_____
ANDREW GEORGE, Treasurer

CITY OF
BAINBRIDGE ISLAND

City Council Regular Business Meeting Agenda Bill
Tuesday, May 12, 2026

Agenda Item: (7:00 pm) Consider Ordinance No. 2026-06 Granting a 10-Year Franchise to Verizon Wireless to Construct, Operate and Maintain Telecommunications Facilities in the City's Public Rights-of-Way for the Purpose of Providing Telecommunications Services

Department: Executive

Agenda Section: Regular Business

Estimated Time: 10 Minutes

Recommendation:

I move to forward Ordinance No. 2026-06 regarding a Verizon Franchise Agreement to a future City Council Business Meeting for consideration of approval.

Narrative:

Verizon has requested a franchise agreement to facilitate the placement and operation of telecommunications infrastructure within City rights-of-way, consistent with Bainbridge Island Municipal Code (BIMC) requirements. The proposed agreement establishes the terms and conditions under which Verizon may install, maintain, and upgrade wireless facilities while ensuring protection of public infrastructure and continued City oversight.

Franchise agreements between jurisdictions and service providers operating in the rights-of-way are standard practice and an expected component of modern telecommunications deployment. They provide a structured framework for

managing infrastructure in the public right-of-way while protecting City interests and ensuring regulatory compliance. In addition to requiring compliance with existing laws, a franchise agreement fills the gaps that general code cannot practically cover by granting formal authorization to occupy the right-of way and establishing enforceable, provider-specific obligations related to coordination, relocation, maintenance, and removal of facilities. It also clarifies cost recovery, insurance, and indemnification requirements, ensuring the City is not subsidizing private use and retains clear remedies to protect public infrastructure.

Fiscal Impact:

There is no anticipated net cost to the City. Verizon Wireless is responsible for reimbursing the City for all reasonable administrative, legal, permitting, inspection, and enforcement costs associated with the franchise. The agreement also requires payment of applicable permit fees and any costs incurred for repairs or oversight.

Community Engagement and Outreach:

Attachments:

1. ORD 2026-06 Verizon Wireless and Wireline Franchise Agreement

ORDINANCE NO. 2026-06

AN ORDINANCE of the City of Bainbridge Island, Washington, granting Seattle SMSA Limited Partnership d/b/a Verizon Wireless, a nonexclusive ten-year franchise to construct, operate, and maintain telecommunications facilities in, upon, over, under, along, across, and through the City's public rights-of-way for the purpose of providing telecommunications Services, providing for severability and establishing an effective date.

WHEREAS, RCW 35A.11.020 grants the City broad authority to regulate the use of the public right-of-way and RCW 35A.47.040 authorizes the City "to grant nonexclusive franchises for the use of public streets, bridges or other public ways, structures or places above or below the surface of the ground for… poles, conduits, tunnels, towers and structures, pipes and wires and appurtenances thereof for transmission and distribution of… signals or other methods of communication;" and

WHEREAS, the City Council finds that it is in the public interest to grant a franchise to SMSA Limited Partnership d/b/a Verizon Wireless; and

WHEREAS, pursuant to RCW 35A.47.040, this franchise ordinance was introduced at one Bainbridge Island council meeting and passed at a subsequent regular meeting occurring at least five days after its introduction.

NOW, THEREFORE, THE CITY COUNCIL OF THE CITY OF BAINBRIDGE ISLAND, WASHINGTON, DOES HEREBY ORDAIN AS FOLLOWS:

Section 1. Grant of Franchise. A franchise is hereby granted to SMSA Limited Partnership d/b/a Verizon Wireless under the terms and conditions set forth in Exhibit A attached hereto and incorporated herein by reference. The franchise is granted for a period of ten (10) years from the effective date as listed in Section 23.5 of Exhibit A.

Section 2. Acceptance - Compliance with Franchise Terms. As a condition of the franchise granted by this ordinance, Comcast shall provide its written and acknowledged unconditional acceptance consistent with Section 4 of Exhibit A. By the adoption of this ordinance, the City of Bainbridge Island agrees to comply with all provisions of the same.

Section 3. Severability. Should any section, paragraph, sentence, clause, or phrase of this ordinance, or its application to any person or circumstance, be declared unconstitutional or otherwise invalid for any reason, or should any portion of this ordinance be preempted by state or federal law or regulation, such decision or preemption shall not affect the validity of the remaining portions of this ordinance or its application to other persons or circumstances.

Section 4. Effective Date. This ordinance shall take effect five (5) days from its passage and publication as required by law.

PASSED BY THE CITY COUNCIL this ___ day of _____, 2026.

APPROVED BY THE MAYOR this ____ day of _____, 2026.

_____
Clarence Moriwaki, Mayor

ATTEST/AUTHENTICATED:

_____
Christine Brown, MMC, City Clerk

APPROVED TO FORM:

_____
City Attorney

PASSED BY THE CITY COUNCIL:
PUBLISHED:
EFFECTIVE DATE:

EXHIBIT A

TELECOMMUNICATIONS

FRANCHISE AGREEMENT

This Telecommunications Franchise Agreement ("Franchise") dated _____, 202_ (the "Effective Date") is made and entered into by and between the City of Bainbridge Island, a municipal corporation in the state of Washington ("City") and Seattle SMSA Limited Partnership d/b/a Verizon Wireless, a Delaware limited partnership with its principal offices at One Verizon Way, Mail Stop 4AW100, Basking Ridge, New Jersey 07920 ("Grantee").

Recitals

WHEREAS, Seattle SMSA Limited Partnership d/b/a Verizon Wireless ("Grantee") doing business in the State of Washington, has applied for a non-exclusive telecommunications franchise to construct, operate, and maintain telecommunications facilities upon, in, under, across, along, and over certain City rights-of-way as hereinafter set forth, and

NOW THEREFORE, in consideration of the terms, covenants and conditions set forth below, and other good and valuable consideration the receipt and adequacy of which are hereby acknowledged, the City and Grantee agree as follows:

1 Franchise Granted.

1.1 *Grant of Franchise*. Subject to obtaining any permits as are required under the City's Code or other applicable Laws (and subject to Grantee obtaining any additional necessary agreements, approvals, or authorizations from any entity that owns poles or any other third party rights), the City hereby grants on a nonexclusive basis as provided in City Code, authorization for Grantee to attach, install, operate, maintain, remove, reattach, reinstall, relocate, upgrade and replace Facilities within the Rights-of-Way in the City for the purposes of providing Services to Persons located within or without the limits of the City.

1.1.1 Exhibit 1 is a detailed map representing the current locations of all Facilities in Grantee's Network in the City Rights-of-Way. If Grantee owns and/or

operates Facilities in the City Rights-of-Way under a separate franchise agreement or otherwise, Grantee shall also include them in Exhibit 1.

1.1.2 During the term of this Franchise, the location of Facilities installed by Grantee or its designee shall be permitted by the City and disclosed, in writing, to the City by Grantee within ten days before its installation, removal, or relocation.

1.1.3 All provisions of Title 19 Bainbridge Island Municipal Code ("BIMC") and Chapters 18.10 and 18.10A BIMC except as may be explicitly set forth otherwise in this Agreement, are hereby incorporated by reference.

1.2 *Costs Related to Exercise of Franchise.* Any and all rights expressly granted to Grantee under this Franchise shall be exercised at Grantee's sole cost and expense, shall be subject to the prior and continuing right of the City to use any and all parts of the Rights-of-way or Public Facilities or property, nonexclusively or concurrently, with any other Person, and further shall be subject to City's police powers and all deeds, easements, dedications, conditions, covenants, restrictions, encumbrances and claims of title which may affect the Rights-of-Way, or Public Facilities now or hereafter existing. Nothing in this Franchise shall be deemed to grant, convey, create, or vest a real property interest in land to or in Grantee, including any fee or leasehold interest or easement rights.

1.3 *No Interference*. Except as expressly permitted by applicable Laws, in the performance and exercise of its rights and obligations under this Franchise, Grantee shall not interfere in any manner with the use of Rights-of-Way by the City, by the general public or other Persons authorized to use or be present upon the Rights-of-Way, including interference with the operation of any and all sanitary sewers, water mains, storm drains, gas mains, parkway landscaping and/or irrigation, landscape planters, poles, aerial or underground electric and telephone wires, cable television and other telecommunications, utility and municipal property, without the express written approval of the owner or owners of the affected property or properties.

1.4 *Compliance with Laws*. Grantee shall comply with all applicable Laws in the exercise and performance of its rights and obligations under this Franchise. If required by applicable Law, Grantee shall obtain all required approvals from the appropriate

governing authorities. Grantee acknowledges it is subject to the City's police powers and all applicable Laws.

2 Acceptance.

2.1 *Franchise Acceptance*. Grantee shall execute and return to the City its execution and acceptance of this Franchise in the form attached hereto as Exhibit 2 within sixty (60) days of the effective date of the ordinance authorizing the Franchise. In addition, Franchisee shall submit a certificate of insurance as proof of insurance obtained and blanket additional insured endorsement pursuant to Section 14, any applicable construction Restoration Bond pursuant to Section 21.1 and the Franchise Performance Bond required pursuant to Section 21.2 within sixty (60) days of the effective date. The administrative fee pursuant to Section 23.3 is due within ninety days of receipt of the invoice from the City.

2.2 *Grantee to Have No Recourse.* Grantee specifically agrees it will not seek monetary damages from City for any loss, cost, expense, or damage arising out of any Provision or requirement of this Franchise, or enforcement of this Franchise, nor from the City's exercise of its authority to grant additional Franchises, but shall only be entitled to seek declaratory or injunctive relief, except to the extent caused by the negligence or willful misconduct of the City. The City shall not be liable, unless directly and proximately caused by the willful, intentional or malicious acts of the City, for any damage to or loss of any Facility within the Right-of-Way as a result of or in connection with any public works, public improvements, construction, excavation, grading, filling, or work of any kind in the Right-of-Way by or on behalf of the City.

2.3 *Acceptance of Power and Authority of City*. Grantee expressly acknowledges by acceptance of this Franchise that:

2.3.1 It has relied upon its own investigation and understanding of the power and authority of the City to grant and enforce the Franchise;

2.3.2 It has not been induced to enter into this Franchise arrangement by any understanding or promise or other statement, whether verbal or written, by or on

behalf of the City concerning any term or condition of the Franchise that is not specifically included herein;

2.3.3 It has carefully read the terms and conditions contained herein and of the Ordinance and that Grantee is willing to and does accept all the obligations of such terms and conditions to the extent not inconsistent with state or federal law.

3 Limitations on Authority.

3.1 *Subject to Other Requirements*. Grantee's right to operate and maintain its Telecommunications Network is subject to the terms, conditions, and requirements of this Franchise, the City Code, and all applicable Laws, and Grantee's right to construct, erect, install or modify its Telecommunications Network is specifically subject to the requirement that Grantee obtain Permits as set forth in Code; and obtain all required permits for, and otherwise comply with, all applicable land use and zoning regulations, which control development on property contiguous to the right-of-way containing the proposed Facilities site.

3.2 *After-Acquired Facilities*. Grantee expressly acknowledges and agrees, by acceptance of this Franchise, that Facilities and appurtenances in Rights-of-Way that are subsequently acquired by the Grantee and that (if acquired prior to this original Franchise grant) would have been subject to this Franchise and the permitting authority related thereto shall be subject to the provisions of this Franchise and all Permits related thereto.

3.3 *Privileges Must be Specific*. No privilege or exemption is granted or conferred by this Franchise except as may be specifically prescribed.

4 Nonexclusive Franchises. This Franchise is nonexclusive. City reserves the right to grant additional Franchises to any Person at any time.

5 Amendments. Except for changes to Exhibit 1 addressed in Section 1.1.2, this Franchise may be amended only upon the mutual written consent of City and Grantee or in the exercise of the City's police power authority or other explicit authority pursuant to applicable laws.

6 **Service of Notice**. Except as otherwise specifically provided herein, any notices required or permitted to be given under this Franchise shall be deemed to be properly served when deposited with the United States Postal Service, postage paid, certified or registered mail, or via nationally recognized overnight carrier, and addressed to the party to receive same, or at such other address of which the party to receive the notice shall have designated in the Franchise.

NOTICES TO THE CITY shall be addressed to all of the following:

Attention: City Clerk

280 Madison Avenue North

Bainbridge Island, WA 98110-1812

With Copies to:

Attention: Public Works Director

280 Madison Avenue North

Bainbridge Island, WA 98110-1812

NOTICES TO THE GRANTEE shall be addressed to all of the following:

Seattle SMSA Limited Partnership d/b/a Verizon Wireless

180 Washington Valley Road
Bedminster NJ 07921
Attn: Network Real Estate (Site: Bainbridge Island / MDG# _____)

With a copy to:

Basking Ridge Mail Hub
Attention: Legal Intake
One Verizon Way
Basking Ridge, New Jersey 07920

7 **Term of Franchise**. This Franchise shall be for ten (10) years, beginning on the Effective Date of this Franchise (the " Term"), unless earlier terminated in accordance with this Franchise.

8 Abandonment.

8.1 In the event that any Facilities or the Services are out of service for a period of one hundred eighty (180) consecutive days or more, it shall be considered abandoned ("Abandoned") and Grantee shall promptly notify the City in writing, and within ninety (90) days remove Abandoned Facilities and restore the Right-of-Way to its condition prior to the placement of the Facilities, all at Grantee's sole cost and expense. If the City determines that any Facilities or the Services are Abandoned, City shall inform Grantee in writing, and Grantee upon ninety (90) days following receipt of written notice shall promptly remove such Facility or Facilities and restore the Right-of-Way to its condition prior to the placement of the Facilities, all at the Grantee's sole cost and expense.

8.2 If Grantee fails to remove the Facilities and restore the Right-of-Way as required in 8.1 of this Franchise, following the expiration of the ninety (90) day removal period and all cure periods have expired, the City shall be entitled to remove the Facilities and restore the Right-of-Way at Grantee's sole cost and expense or accept the transfer of ownership of the same to the City,

8.3 The Grantee has the right to challenge the City's determination that Facilities are Abandoned. Upon receipt by the City of written notice of such challenge, the City and the Grantee shall meet in good faith to discuss the nature of the City's determination and the Grantee may produce facts and other supporting information as to why the City's determination is incorrect or should be modified.

9 Repair of Damage. Grantee is responsible for repairing damage Grantee causes to all public and private facilities within the Right-of-Way and the Right-of-Way itself. Grantee shall complete all necessary repairs within sixty (60) days of notification by the City, unless emergency conditions necessitate, in City's reasonable discretion, more exigent remediation or City must immediately act. If Grantee fails to make the necessary repairs within sixty (60) days of notice, or emergency circumstances compel the City to immediately act, City may have repairs made with the reasonable costs being billed to Grantee. Billed costs are due within thirty (30) days of receipt of invoice. If the repair cannot fully reverse the deterioration or loss of life, the City may require Grantee to pay for the damage suffered as a direct result.

9.1 The Grantee has the right to challenge the City's determination that Grantee caused damage which must be repaired. Upon receipt by the City of written notice of such challenge, the City and the Grantee shall meet in good faith to discuss the nature of the City's determination and the Grantee may produce facts and other supporting information as to why the City's determination is incorrect or should be modified.

9.2 Grantee shall reimburse the City within 90 days following the receipt of an invoice for all reasonable amounts paid and/or costs incurred by the City in relation to the enforcement of this Section, all such fees, expenses and costs shall be recoverable from Grantee to the extent the City prevails in such enforcement action.

10 Default. Grantee shall be in default under this Franchise upon the occurrence of any of the following events:

10.1 Grantee's violation of material terms or provisions of Title 19 BIMC and Chapters 18.10 and 18.10A BIMC, this Franchise, or any other applicable Laws.

10.2 Grantee's failure to pay the City for any duly invoiced costs and/or fees incurred, pursuant to this Franchise or Code, and Grantee does not cure within sixty (60) days after written notice of non-payment is received by Grantee.

10.3 Upon Grantee's failure to perform any other obligation under this Franchise or to cure any failure of performance within sixty (60) days after notice of such failure or demand for cure is given by the City to Grantee or, if such failure of performance is not curable within sixty (60) days in the reasonable determination of City, if the defaulting party fails to commence such cure within sixty (60) days and fails to thereafter diligently pursue such cure to completion.

10.4 Grantee becomes insolvent, liquidates, is adjudicated as bankrupt, makes an assignment for the benefit of creditors, invokes any provision of law for the relief of debtors, or initiates any proceeding seeking protection from its creditors.

10.5 The waiver of any default or violation of any provision of this Franchise shall not be deemed to be a waiver or a continuing waiver of any subsequent breach or violation of the same or any other Provision of this Franchise.

11 Facility Relocation. Grantee shall, by a time specified by the City, protect, support, temporarily disconnect, relocate, or remove any of its Facilities when required by the City by reason of traffic conditions; public safety; public right-of-way construction; public right-of-way repair (including resurfacing or widening); change of public right-of-way grade; construction, installation or repair of sewers, drains, water pipes, power lines, signal lines, tracks, or any other type of government-owned communications system, public work, public facility or improvement, or any government-owned utility; public right-of-way vacation; or for any other purpose where the work involved would be aided by the removal or relocation of the Facility. Collectively, such matters are referred to below as the "public work."

11.1 Except in the case of emergencies, the City shall provide written notice describing where the public work is to be performed as soon as practical but at least 30 days prior to the deadline by which Grantee must protect, support, temporarily disconnect, relocate or remove its Facilities. Grantee may seek an extension of the time to perform such tasks where they cannot be performed in 30 days or by the completion time specified even with the exercise of its best efforts, and such request for an extension shall not be unreasonably refused.

11.2 In the event of an emergency, or where Grantee creates or is contributing to an imminent danger to health, safety, or property, the City may protect, support, temporarily disconnect, remove, or relocate any or all parts of the Facilities without prior notice, and charge Grantee for costs incurred. The City will make a reasonable effort to notify Grantee as soon as practicable, either before or after any emergency removal or relocation of Facilities.

12 Relocation Costs. Whenever the removal or relocation of Facilities is required under this Franchise or otherwise by order of the City, and such removal or relocation shall cause the Rights-of-Way to be damaged, Grantee, at its sole expense, shall promptly repair and return the surrounding Rights-of-Way to the same condition as existed prior to such work, in the

reasonable determination of City. If Grantee fails to comply with this requirement, then the City shall have the option of performing or causing to be performed such reasonable and necessary work, and charge Grantee for the actual cost(s) incurred by City. Upon the receipt of a demand for payment by the City, Grantee shall reimburse the City for such costs within sixty (60) days.

13 **Relocation for Third Parties**. If any user that is authorized to place facilities in the rights-of-way requests Grantee to protect, support, temporarily disconnect, remove, or relocate its Facilities to accommodate the construction, operation, or repair of the facilities of such other user, Grantee shall, after 30 days' advance written notice, take action to effect the necessary changes requested. Unless the matter is governed by a valid contract or a state or federal law or regulation, or unless the communications facility that is being requested to move was not properly installed, the reasonable cost of the same shall be borne by the user requesting the protection, support, temporary disconnection, removal, or relocation and at no charge to the City, even if the City makes the request for such action. Further, Grantee shall, on the request of any entity or person holding a valid permit issued by a governmental authority, temporarily raise or lower its Facilities and/or wires to permit the moving of buildings or other objects. The expense of such temporary removal or raising or lowering of Facilities or wires shall be paid by the entity or person requesting the same. Grantee shall be given not less than seven days' advance notice to arrange for such temporary wire changes.

14 **Insurance**. Grantee shall at all times comply with the insurance requirements of BIMC 19.02.070(B). The require Certificate of Insurance must be provided to the City within two days of Acceptance of this Franchise.

15 **Termination**. In addition to the provisions of BIMC 19.02.080, this Franchise may be terminated upon a default hereof as provided in this Franchise. A termination of this Franchise because of Grantee's default shall not prejudice any other remedy for breach of contract, damages, non-payment or otherwise, which the City has under this Franchise or under law.

15.1 *Notice*. This Franchise may be terminated by the City in accordance with the provisions of BIMC 19.02.080 after notice, an opportunity to cure, and a hearing as provided therein.

15.2 *Lesser Sanctions*. Additionally, the City may impose a lesser sanction as authorized by Code or Law.

15.3 If, at any time the City vacates any Rights-of-Way that is subject to rights granted by this Franchise, the City may, at its sole option, and by giving 60 days written notice to Grantee, its successors and assigns, terminate this Franchise with reference to such portions of Rights-of-Way so vacated and the City shall not be liable for any damages or loss to Grantee by reason of such termination. Further, the City may, at its sole option, choose to retain an easement for public utilities and services consistent with RCW 36.87.140.

16 <u>General Terms</u>.

16.1 *Reports and Records of the Grantee*. Reports Required. Grantee shall supply, upon request and at no cost, any information, requested by the City to coordinate municipal functions with the Grantee's activities and fulfill any municipal obligations under state law. Said information may include an installation inventory, location of existing or planned Facilities, maps, plans, and as-built drawings of the operator's installations in the City. Said information may be requested either in hard copy and/or electronic format compatible with the City's database system, as now or hereafter existing. Grantee shall keep the City informed of its long-range plans for coordination with the City's long-range plans.

16.1.1 In the event that the City receives a public records request under Chapter 42.56 RCW or similar law, the City shall promptly notify Grantee and Grantee shall produce all records required under Chapter 42.56 RCW. Should Grantee obtain an injunction or court order limiting or prohibiting production of such records, the City shall comply with such injunction or court order obtained by Grantee; however, in the event a higher court overturns such injunction or court order and such higher court action is or has become final and non-appealable, Grantee shall reimburse the City for any fines or penalties imposed for failure to disclose such records as required hereunder within sixty (60) days of receipt of a request from the City.

16.2 *Enforcement and Administration by City*. The City, through the office of the City Engineer, shall have continuing regulatory jurisdiction and supervision over the occupancy of the Rights-of-Way pursuant to this Franchise, and may from time to time adopt such rules and regulations as it may deem necessary.

16.3 *Failure to Enforce*. Neither the Grantee nor the City shall be excused from complying with any of the terms and conditions of this Franchise by any failure of the other party upon one or more occasions to insist upon or to seek compliance with any of such terms or conditions.

17 Inspection. The City maintains the right to inspect, at Grantee's reasonable expense, all of Grantee's Facility installations in the Rights-of-Way. In addition, the City Engineer may require Grantee to furnish certification from Grantee's engineer that the Facilities are constructed and operated in accordance with good engineering practice and are reasonably secure against damage and injury.

18 Removal of Unauthorized Facilities. Within ninety (90) days of receipt of written notice from the City Engineer or designee, Grantee shall remove any unauthorized Facility or related appurtenance within the rights-of-way, at its own expense. If Grantee fails to remove such Facilities or appurtenances, the City may cause the removal and charge the Grantee for the reasonable costs incurred. A Facility or appurtenance is unauthorized and subject to removal in the following circumstances:

18.1 Upon expiration or termination of the Grantee's Franchise.

18.2 Upon abandonment of a Facility within the Rights-of-Way.

18.3 If the Facility was constructed or installed without the prior grant of a franchise or permit.

18.4 If the Facility was constructed or installed without the prior issuance of a required right-of-way permit.

18.5 If the Facility was constructed or installed at a location not permitted by the Grantee's Franchise.

18.6 Any such other reasonable circumstances deemed necessary by the City Engineer or designee.

19 <u>Permits and Construction Standards</u>.

19.1 *General Standards*.

19.1.1 Permits. Grantee shall comply with all applicable City code and City standards for the proposed right-of-way work. In addition thereto, Grantee shall apply for a Right-of-Way Permit, Wireless Communication Facility, a Small Wireless Facility Permit, or other applicable permit prior to beginning any work in a Right-of-Way generally including the opening of any street in the City. No work, other than emergency work, shall commence without such Permit. Grantee may immediately perform emergency repairs necessary due to imminent danger to health, safety or property or to temporarily restore communications system services which have been disrupted by storms, earthquakes, riots or other unexpected accidents or phenomenon. When performing such emergency work, Grantee shall be required (a) to give notice to the City of the commencement of the emergency work as quickly as practical, (b) to apply for the permits which would otherwise be required for such work by the next business day from the commencement of such work; and (c) to conform any work performed prior to the approval of the required permit and to carry out any other work in the area involved in accordance with the requirements of the permit.

19.1.2 Network Planning. The Grantee and the City shall make reasonable good faith efforts to advise each other of plans and programs, both long and short range, for the placement of Facilities in Rights-of-Way, and other Public Property which might affect the other party or require its coordination. Upon the City's request, Grantee shall use commercially reasonable efforts to submit to the City a current (as of the date of City's request) Exhibit 1.

19.1.3 Limited Access. The City reserves the right to limit or exclude Grantee's access to a specific route, public right-of-way, or other location when there is inadequate space to deploy, a pavement cutting moratorium, deployment would cause unnecessary damage to public property, or interfere with City utilities, or for any other reason determined by the City Executive or designee, or the City Engineer

in their reasonable discretion to be necessary for management and preservation of the Rights-of-Way.

20 Indemnification. The Grantee agrees to defend, indemnify, and hold harmless the City, its trustees, elected and appointed officers, agents, and employees, from and against any and all claims, demands, or causes of action of whatsoever kind or nature, and the resulting losses, costs, expenses, reasonable attorneys' fees, liabilities, damages, orders, judgments, or decrees, sustained by the City to the extent resulting from or of the acts, errors, or omissions of Grantee, or its agents, independent contractors or employees or the construction, operation or repair of any Facility in the public rights-of-way. The indemnity in the preceding sentence shall not apply to the negligence or willful misconduct of the City, its trustees, elected and appointed officers, agents, and employees. The City shall give prompt written notice to Grantee of any claim for which the City seeks indemnification. Grantee shall have the right to investigate such claims, and the City shall cooperate with the Grantee in any such investigation.

If the claim, suit, or action for injuries, death, or damages as provided for in the preceding paragraphs of this Franchise is caused by or results from the concurrent negligence of the indemnitee or the indemnitee's agents or employees, this Section 20 shall be valid and enforceable only to the extent of the indemnitor's negligence.

Grantee specifically and expressly waives any immunity under Industrial Title 51 RCW, and acknowledges that this waiver is mutually negotiated by the parties herein.

20.1 *No Responsibility for Loss*. The City shall not be responsible for any damages, losses, or liability of any kind arising from the issuance or approval by the City of a permit, license, or franchise to any third party.

22.3 *Consequential Damages.* Neither party will be liable under this Agreement for consequential, special, punitive or indirect damages, whether under theory of contract, tort (including negligence), strict liability, or otherwise.

21 Bonds.

21.1 *Restoration Bond Requirement*. Prior to the commencement of any construction of new or additional Facilities within the rights-of-way, Grantee shall furnish a

Restoration Bond if required by Code as a result of constructing the Grantee's facilities within rights-of-way.

21.2 *Franchise Performance Bond Requirement*. Grantee shall provide City with a Franchise Performance Bond in the amount of Twenty-Five Thousand Dollars ($25,000.00) ("Franchise Bond") running or renewable for the term of this Franchise, in a form and substance reasonably acceptable to City. In the event Grantee shall fail to substantially comply with any one or more of the provisions of this Franchise following notice and a reasonable opportunity to cure, then there shall be recovered jointly and severally from Franchisee and the bond any actual damages suffered by City as a result thereof, including but not limited to staff time, material and equipment costs, compensation or indemnification of third parties, and the cost of removal or abandonment of Facilities hereinabove described. Grantee specifically agrees that its failure to comply with the terms of this Section 21 shall constitute a material breach of this Franchise. The amount of the bond shall not be construed to limit Grantee's liability or to limit the City's recourse to any remedy to which the City is otherwise entitled at law or in equity.

21.3 *Rights Cumulative*. The rights reserved by City with respect to the Performance Bond and Franchise Bond are in addition to all other rights City may have under the Franchise or any other law. City may, from year to year, in its sole discretion, adjust the amount of the bond.

21.4 *Change in Surety*. If, at any time during the term of this Franchise, the condition of the corporate surety shall change in such a manner as to render the bonds unsatisfactory to the City, the Grantee shall replace such bonds by a bond of like amount, similarly conditioned, issued by a corporate surety satisfactory to the City.

22 <u>Assignment or Transfer of Grantee or Franchise and Franchise Renewal</u>.

22.1 This Franchise shall not be sold, leased, assigned, or otherwise alienated without the express consent of the city, and no rule of estoppel shall be invoked against the city in case the City shall assert the invalidity of any attempted transfer in violation of this section. The city agrees not to withhold consent where the operator demonstrates that the

requested assignment is in the nature of a change of name or a change in the nature of a reorganization or merger of or with an entity controlled by, controlling, or under the common control of the operator, there being no other change in the resulting entity's ability to meet its master permit or license obligations.

22.2 The City reserves the right to invoke any or all provisions of this Franchise upon the Grantee's successors or assigns, judgment creditors, or distributes of Facilities or property used in enjoyment of privileges conferred herein, whether or not stated elsewhere, all without waiver of the right to withhold consent not expressly given of any such transfer and/or require a new Franchise.

22.3 Grantee shall not permit installations by others without written approval from the City. Such approval shall not be in lieu of a franchise, master permit or license or other requirements of the City. Whether or not permitted, Grantee shall remain responsible for all third party users permitted or allowed by Grantee for compliance with the Franchise.

23 Miscellaneous.

23.1 *Severability*. If any section, subsection, sentence, clause, phrase, or portion of this Franchise is for any reason held to be invalid or unconstitutional by any court or administrative agency of competent jurisdiction, such portion shall be deemed a separate, distinct, and independent provision and such holding shall not affect the validity of the remaining portions thereof. In such event, the parties mutually agree to make any amendments to this Franchise or other applicable agreements necessary to effectuate the intention of this Franchise. In the event that such amendments are barred by any legal requirements governing any party, the parties shall use their best efforts to otherwise avoid prejudice to the respective parties' interests, and to implement changes to effectuate the intent in entering into this Franchise. Should the City, in its reasonable discretion, determine that the severed portions substantially alter the Franchise so that the original intent and purpose of this Franchise no longer exists, the City may terminate this Franchise without cost or penalty.

23.2 *Applicable Law*. The Franchise is governed by the Laws of the State of Washington, and venue for any enforcement litigation shall be in Kitsap County Superior Court or the United States District Court serving Kitsap County, Washington. In case of conflict or ambiguity between this Franchise and Grantee's application, this Franchise shall be controlling.

23.3 Grantee shall pay the actual administrative expenses incurred by the City that are directly related to receiving and approving this Franchise pursuant to RCW 35.21.860, including the reasonable and actual costs associated with the City's legal costs incurred in drafting and processing this Franchise. No construction permits shall be issued for the installation of Facilities authorized until such time as the City has received payment of this fee. Grantee shall further be subject to all permit fees associated with activities undertaken through the authority granted in this Franchise or under the laws of the City. Where the City incurs costs and expenses for review, inspection, or supervision of activities, including but not limited to reasonable fees associated with attorneys, consultants, City Staff and City Attorney time, undertaken through the authority granted in this Franchise or any ordinances relating to the subject for which a permit fee is not established, Franchisee shall pay such costs and expenses directly to the City.

23.4 *Hazardous Substances*. Grantee shall not introduce or use any hazardous substances (chemical or waste), in violation of any applicable law or regulation, nor shall Grantee allow any of its agents, contractors or any person under its control to do the same. Grantee will be solely responsible for and will defend, indemnify and hold the City, its officers, officials, employees, agents and volunteers harmless from and against any and all claims, costs and liabilities including reasonable attorneys' fees and costs, arising out of or in connection with the cleanup or restoration of the right-of-way to the extent caused by Grantee's use, storage, or disposal of hazardous substances, whether or not intentional, and the use, storage or disposal of such substances by Grantee's agents, contractors or other persons acting under Grantee's control, whether or not intentional. Notwithstanding this paragraph or any other provision in the Franchise, Grantee shall not be liable or responsible for any environmental condition, including the release of hazardous substances, except to the extent Grantee causes or exacerbates the condition.

23.5 *Effective Date*. The provisions of this Franchise shall be effective only once the acceptance of this Franchise by the Grantee as provided herein is provided.

23.6 *Limitation*. Nothing in this Franchise shall be construed or interpreted in any manner as limiting, relinquishing, or waiving any rights of ownership enjoyed by the City in any Rights-of-Way or any Public Facilities, or in any manner limiting, relinquishing, or waiving the City's control over the operation and maintenance of the Rights-of-Way or any Public Facilities or in any manner limiting, relinquishing, or waiving lawful governmental rights that the City possesses.

23.7 *Non-Waiver*. Excuse by City or Grantee of strict performance of any Provision of this Franchise shall not be a waiver or prejudice the such party's right to require strict performance of the same or any other Provision in the future.

23.8 *Integration*. This Franchise contains the entire understanding between the parties with respect to the subject matter herein. There are no representations, agreements, or understandings (whether written or oral) between or among the parties relating to the subject matter of this Franchise which are not fully expressed herein.

23.9 *Franchise Subject to Future Ordinance(s)*. Grantee acknowledges that the City may develop additional rules, regulations, and specifications for the use of the Rights-of-Way and/or Public Facilities, and Grantee agrees that such rules, regulations, and specifications, when finalized and to the extent not inconsistent with, or otherwise preempted by, federal or state law, shall govern Grantee's activities hereunder as if they were in effect at the time this Franchise was executed, provided that, no subsequently enacted rule, regulation, or specification may retroactively place Grantee in violation thereof.

23.10 *Attorneys' Fees*. If a suit or other action is instituted in connection with any controversy arising out of this Franchise, the substantially prevailing party shall be entitled to recover all of its costs and expenses, including such sum as the court may judge as reasonable for attorneys' fees, costs, expenses and attorneys' fees upon appeal of any judgment or ruling.

23.11 *Survival*. All of the provisions, conditions, and requirements of Section 1.4, Section 8, Section 8, Section 10, Section 11, Section 12, Section 13, Section 14, Section 16.1, Section 17, Section 18, Section 20, Section 21, Section 23.4, and Section 23.7 of this Franchise shall be in addition to any and all other obligations and liabilities Grantee may have to the City at common law, by statute, or by contract, and shall survive the City's Franchise to Grantee for the use of the City Rights-of-Way, and any renewals or extensions thereof. All of the provisions, conditions, regulations and requirements contained in this Franchise Agreement shall further be binding upon the heirs, successors, executors, administrators, legal representatives and assigns of Grantee and all privileges, as well as all obligations and liabilities of Grantee shall inure to its heirs, successors and assigns equally as if they were specifically mentioned where Grantee is named herein.

23.12 *Authorization*. The undersigned respectively represent and warrant that its signatory is a duly authorized and empowered to sign this Franchise Agreement.

24 Definitions.

24.1 **General Interpretation**. For the purpose of this Franchise, and except as defined specifically below, the terms, phrases, words and their derivations herein shall have the meaning given in BIMC. Words not otherwise defined shall be given their common and ordinary meaning. When consistent with the context, words used in the singular number include the plural number, words in the plural number include the singular number, and words used in the present tense include the future tense.

24.1.1 "**Agency**" means any governmental agency or quasi-governmental agency other than the City, including the FCC and the WUTC.

24.1.2 "**City**" means the City of Bainbridge Island, Washington, and its lawful designees.

24.1.3 "**City Property**" means any real property owned by the City whether in fee or other ownership, estate or interest comprising or related to a Right of Way.

24.1.4 "**Effective Date**" means the date identified in Section 23.5 herein.

24.1.5 "**Facilities**" means the elements of Grantee's Telecommunications Network including (i) physical infrastructure supporting high speed data, internet protocol-based services, internet access services, telephone, and data transport services conveyed using wireless facilities and (ii) the infrastructure development to be used for Wireless Facilities. The placement by Grantee of new poles is allowed with approval by the City. For the purposes of this Franchise, the term Facilities includes both Small Wireless Facilities and other Wireless Facilities, commonly referred to as "macrocell" facilities, including towers and new base stations.

24.1.6 "**FCC**" means the Federal Communications Commission, or lawful successor, authorized to regulate and oversee Telecommunications carriers, Services and providers on a national level.

24.1.7 "**Fee**" means any assessment, license, charge, fee, imposition, tax (but excluding any utility users' tax or occupation tax), or levy lawfully imposed by any governmental body.

24.1.8 "**Franchise**" means the nonexclusive authorization granted herein to use City Rights-of-Way to construct, operate, and maintain Grantee's Facilities.

24.1.9 "**Grantee**" means Seattle SMSA Limited Partnership d/b/a Verizon Wireless, and its agents, employees, lawful transferees, successors, and/or assigns.

24.1.10 "**Laws**" means any and all judicial decisions and any and all federal, state and local statutes, constitutions, ordinances, resolutions, regulations, rules, tariffs, administrative orders, certificates, orders, or other requirements of the City or other Agency having jurisdiction over the parties to this Franchise, in effect at the time of execution of this Franchise and thereafter.

24.1.11 "**Month**" means a calendar month.

24.1.12 "**Person**" means an individual, a corporation, a limited liability company, a general or limited partnership, a sole proprietorship, a joint venture, a business trust, or any other form of business association.

24.1.13 "**Provision**" means any clause, condition, covenant, qualification, restriction, reservation, term, or other stipulation in this Franchise that defines or otherwise controls, establishes, or limits the performance required or permitted by

this Franchise. All provisions, whether covenants or conditions, shall be deemed to be both covenants and conditions.

24.1.14 "**Public Facility**" means any tower, water tower, building, pole or other structure which the City owns or controls.

24.1.15 "**Right-of-Way**" or **"Public rights-of-way"** means land acquired or dedicated for public roads and streets which under applicable law the City has authority to grant master permits, franchises, right-of-way permits or licenses for use thereof or has regulatory authority thereover. The term does not include:

24.1.15.1 State highways;

24.1.15.2 Land dedicated for roads, streets and highways not opened and not improved for motor vehicle use by the public;

24.1.15.3 Structures such as, but not limited to, poles and conduits located in the right-of-way;

24.1.15.4 Parks and open space;

24.1.15.5 Publicly owned shorelines or harbor areas; and

24.1.15.6 Utility easements.

24.1.16 **"Small Wireless Facilities"** shall have the same meaning as "small wireless facility" as set forth in 47 CFR 16002, as may be amended.

24.1.17 "**Telecommunications Network**" or "**Network**" means all of Grantee's Facilities used in the provision of Telecommunication Services in the City, taken together as a unified system.

24.1.18 **"Telecommunications Services"** or **"Services"** means the transmission of information by wire, radio, optical cable, electromagnetic, or other similar means for hire, sale, or resale to the general public. For the purpose of this subsection, "information" means knowledge or intelligence represented by any form of writing, signs, signals, pictures, sounds, or any other symbols. For the purpose of this chapter, telecommunications service excludes the over-the-air transmission of broadcast television or broadcast radio signals

24.1.19 **"Wireless communication facility"** or **"WCF"** means an unstaffed facility for the transmission and/or reception of radio frequency, microwave

or other signals for commercial communications purposes, including and typically consisting of antennas, equipment facilities, transmission cables, a support structure required to achieve the necessary elevation, and reception and transmission devices and antennas.

EXHIBIT 1 – DETAILED NETWORK MAP

At the time of acceptance of this agreement the Grantee
does not have any Facilities located in the City's Rights-of-Way

EXHIBIT 2 - Acceptance

Seattle SMSA Limited Partnership d/b/a Verizon Wireless, for itself, its successors and assigns, hereby accepts and agrees to be bound by all lawful terms, conditions and provisions of this Franchise.

Seattle SMSA Limited Partnership
d/b/a Verizon Wireless
By: Cellco Partnership, its general partner

By: _____ Date: _____
Name: _____
Title: _____

STATE OF WASHINGTON)
)ss.
COUNTY OF)

On _____, before me, a Notary Public in and for the State of Washington, personally appeared _____, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person who executed this instrument, on oath stated that he was authorized to execute the instrument, and acknowledged it as the _____ of Seattle SMSA Limited Partnership d/b/a Verizon Wireless, By Cellco Partnership, Its General Partner, to be the free and voluntary act and deed of said party for the uses and purposes mentioned in the instrument.

IN WITNESS WHEREOF, I have hereunto set my hand and official seal the day and year first above written.

_____
NOTARY PUBLIC in and for the State of WA,
residing at _____
My appointment expires _____

Print Name _____

CITY OF
BAINBRIDGE ISLAND

City Council Regular Business Meeting Agenda Bill
Tuesday, May 12, 2026

Agenda Item: (7:10 pm) Present Final Groundwater Management Plan Draft and Public Engagement Schedule

Department: Public Works

Agenda Section: Regular Business

Estimated Time: 30 Minutes

Recommendation:

I move to forward the Groundwater Management Plan to the June 9, 2026 Regular City Council Meeting for adoption.

Narrative:
Bainbridge Island residents, workers and visitors rely on groundwater for all water supply needs, from drinking water and dishwashers to toilets and garden watering. Groundwater also plays a vital role in supporting healthy streams and wetlands.

In 2022, the City began development of a Groundwater Management Plan (GWMP) with an in-house hydrogeologist. The Plan was intended to take an Island-wide approach to understanding and managing groundwater resources and serve as a document that can be adapted as needs change. In 2023, the City hired a consulting firm, EA Engineering, to continue the development of the Groundwater Management Plan. EA worked with City staff and the Groundwater Management Sub-Committee (made up of members of the Utility Advisory Committee, the Environmental Technical Advisory Committee, and Climate Change Action Committee) to advance work on the plan. The first draft of the Groundwater

Management Plan was presented to the City Council on April 22, 2025. The second draft was presented to the City Council on July 22, 2025, following a public engagement process.

The City Council subsequently authorized the consulting firm Keta Waters, LP to perform a peer review of the second draft of the Plan. The peer review was presented to the City Council on October 21, 2025. On December 9, 2025, the City Council authorized additional scope for Keta Waters to perform a water budget analysis and steady state groundwater model analysis, and use the findings to complete the final Groundwater Management Plan.

Between December 2025 and April 2026, City staff worked with Keta Waters to perform the additional analysis and complete the Final Plan. Input on the analysis and the plan was solicited from the Groundwater Management Plan Subcommittee and the Technical Advisory Committee at four meetings over March and April. Those meetings are available to view on the City's Groundwater Management Plan website. The Final Plan will be presented to the City Council with support from Keta Waters staff with the recommendation that the Plan be forwarded to the Regular City Council Business Meeting of June 23, 2026, for adoption.

The Groundwater Management Plan prioritizes management actions that will help the City create a robust measurement and monitoring system, and contribute to the sustainable and responsible use of water resources, including actions such as promoting water conservation, enhancing storm and surface water management, and spreading out production wells and evaluating interties between large systems. Ultimately, the findings from the Plan indicate that the City is not currently in a groundwater crisis. If managed responsibly, the Island's water supply for human consumption is secure for the 20-year planning horizon given steady population growth combined with changes in climate. Increased water conservation and managing aquifer recharge are necessary to prevent impacts on surface water and streams, and to provide resiliency for human consumption in the 50-year horizon and beyond.

An in-person engagement opportunity on the Groundwater Management Plan is scheduled for May 27, 2026, at City Hall from 6:00-7:30 PM. The format and structure of that meeting is still in development.

Fiscal Impact:

N/A

Community Engagement and Outreach:

Community engagement opportunities are outlined in the narrative section of the agenda bill.

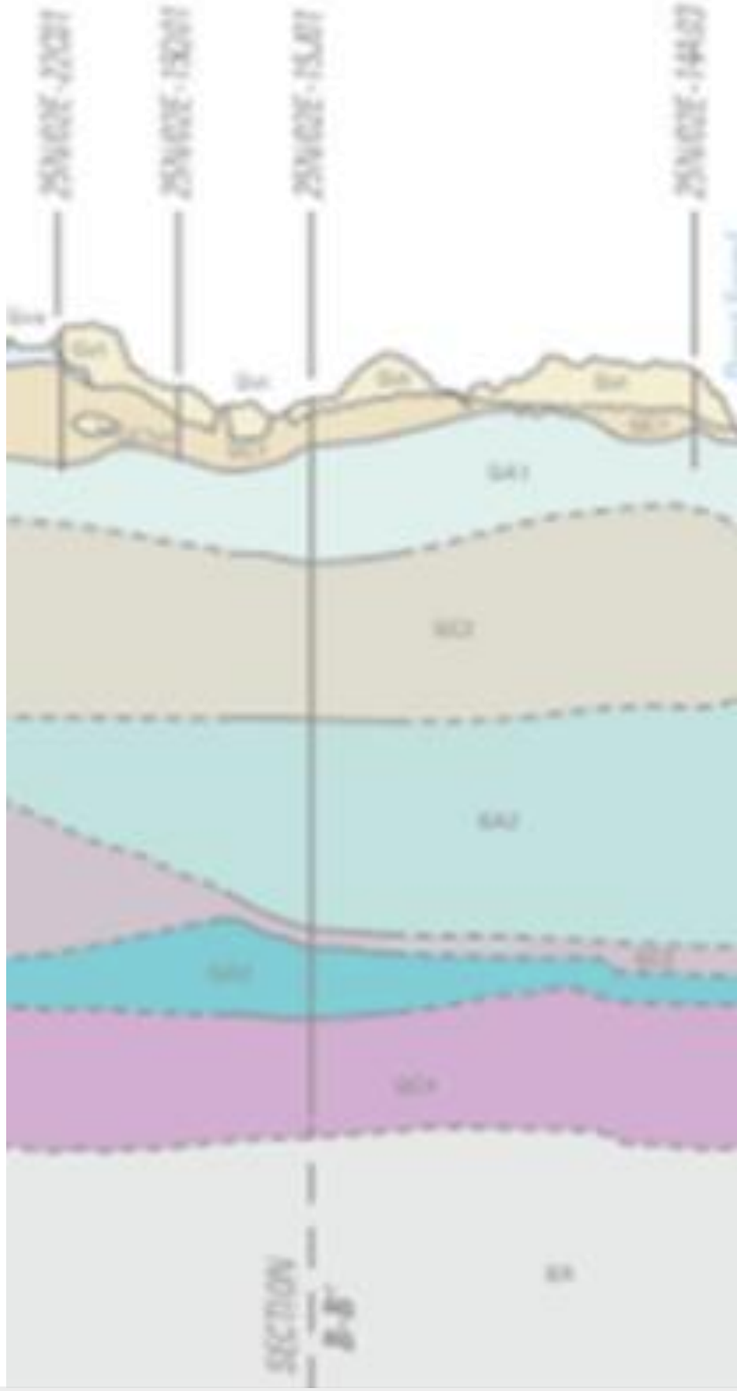
Attachments:

1. 051226 Update GWMP Presentation Combined Rev1
2. GWMP_NEW_042726
3. GWMP Appendices - Combined

Groundwater Management Plan (GWMP) Final Draft

Plus review of new work by Keta Waters

May 12, 2026



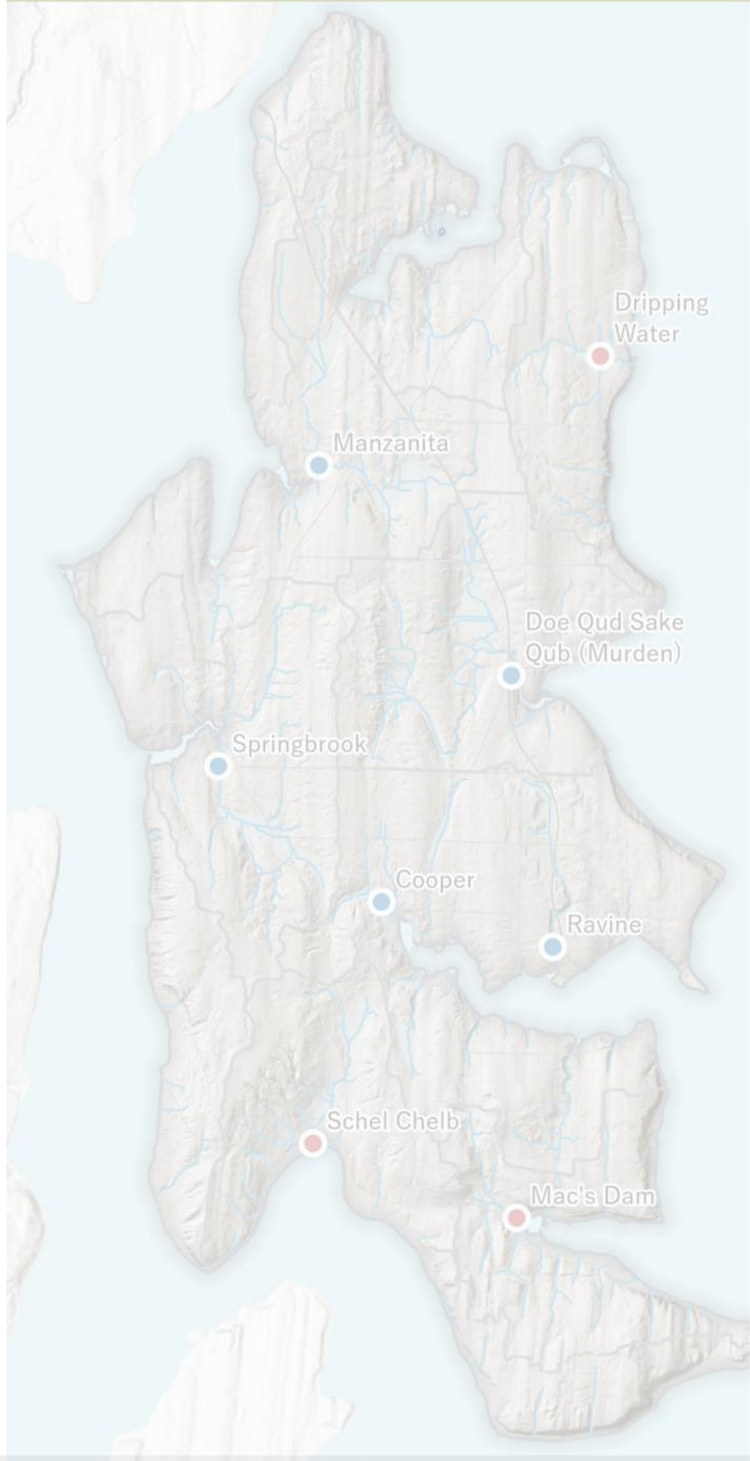
Agenda

1. Review of process to-date
2. Presentation of “reconstructed” plan
3. Review of new steady state modeling and water budget analysis by Keta Waters
4. Update on public engagement schedule
5. Proposed adoption schedule

Process To-Date

Last 12 months

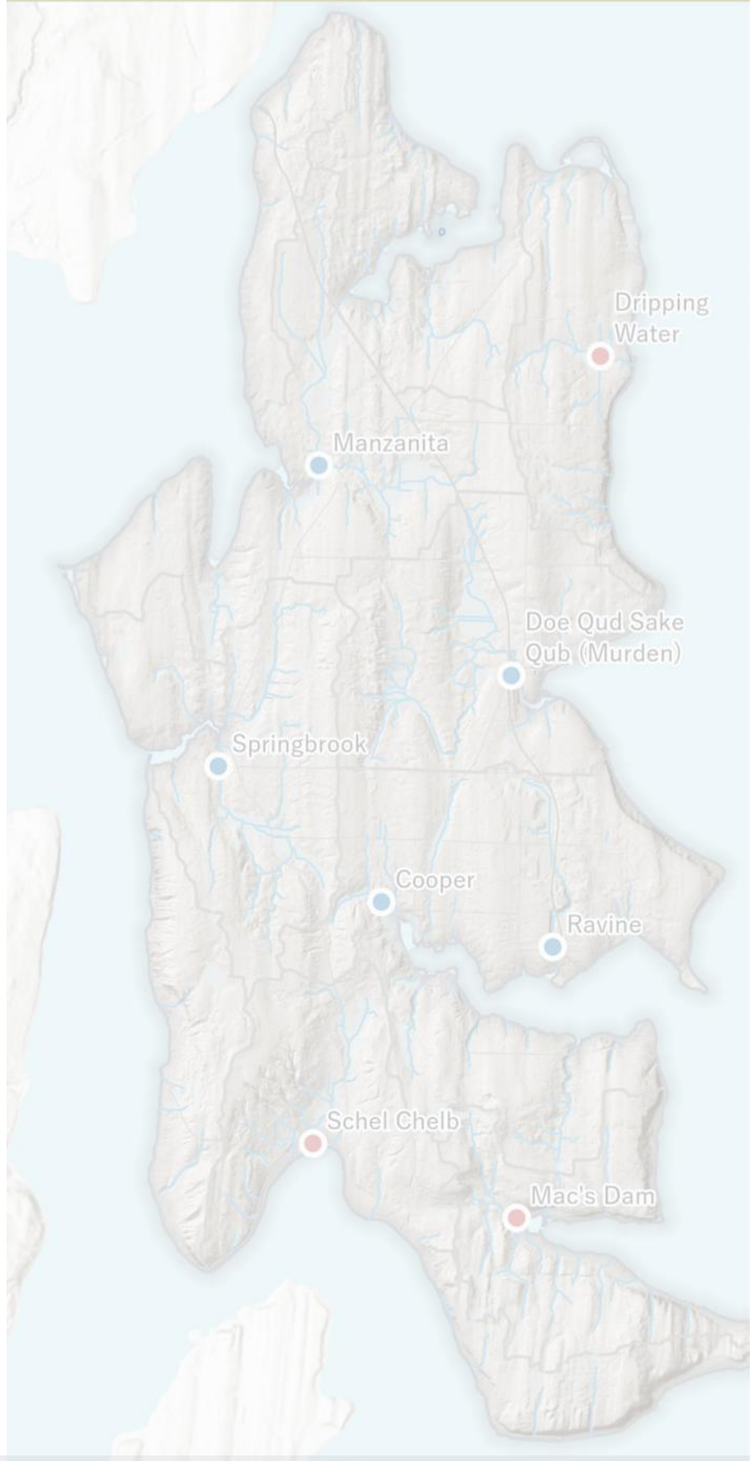
- July 2025 reviewed and incorporated public comment on 2nd draft
- October 2025 presented to Planning Commission on Peer Review
- December 2025 amended contract with Keta Waters for additional assistance
- February 2026 concluded contract with EA



Process To-Date

Last 2 months

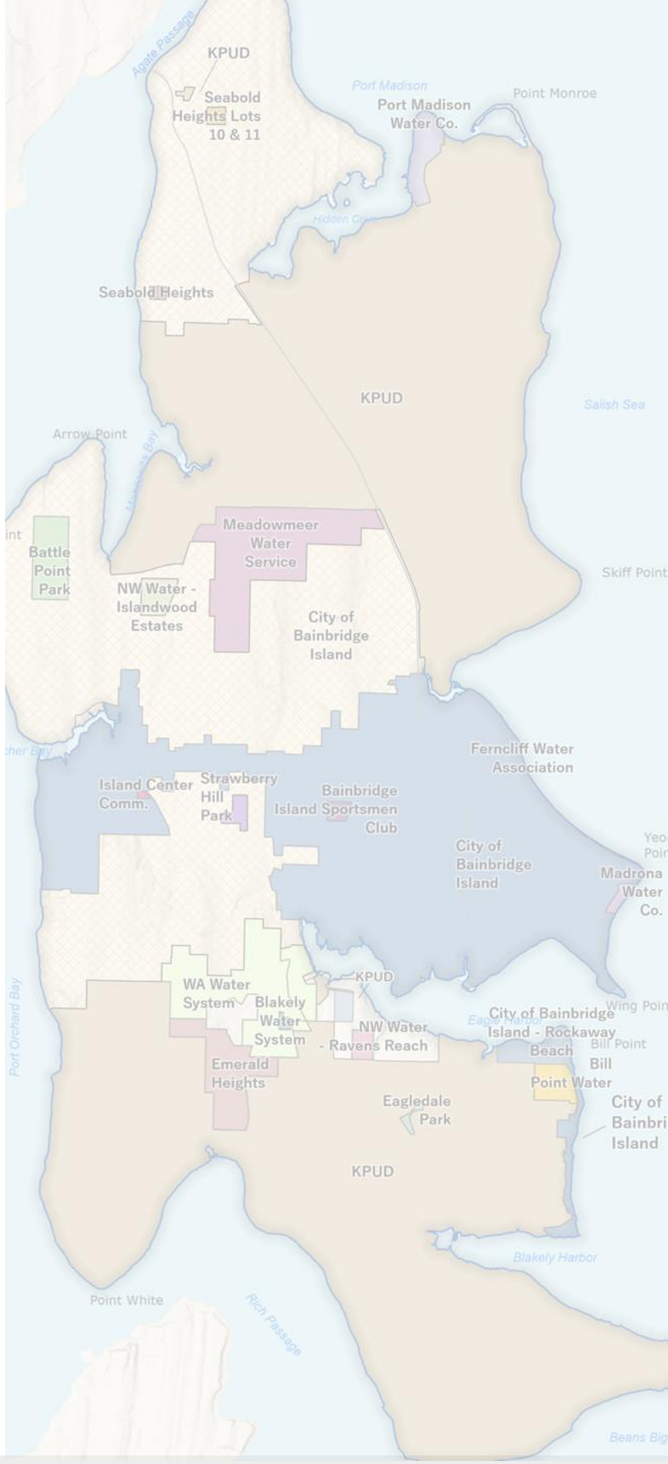
- Four (4) committee meetings held
  -2 Technical Advisory
  -2 GWMP Subcommittee
- Over 20 comments addressed
- Tables, figures and appendices developed



Presentation of “Reconstructed” Plan

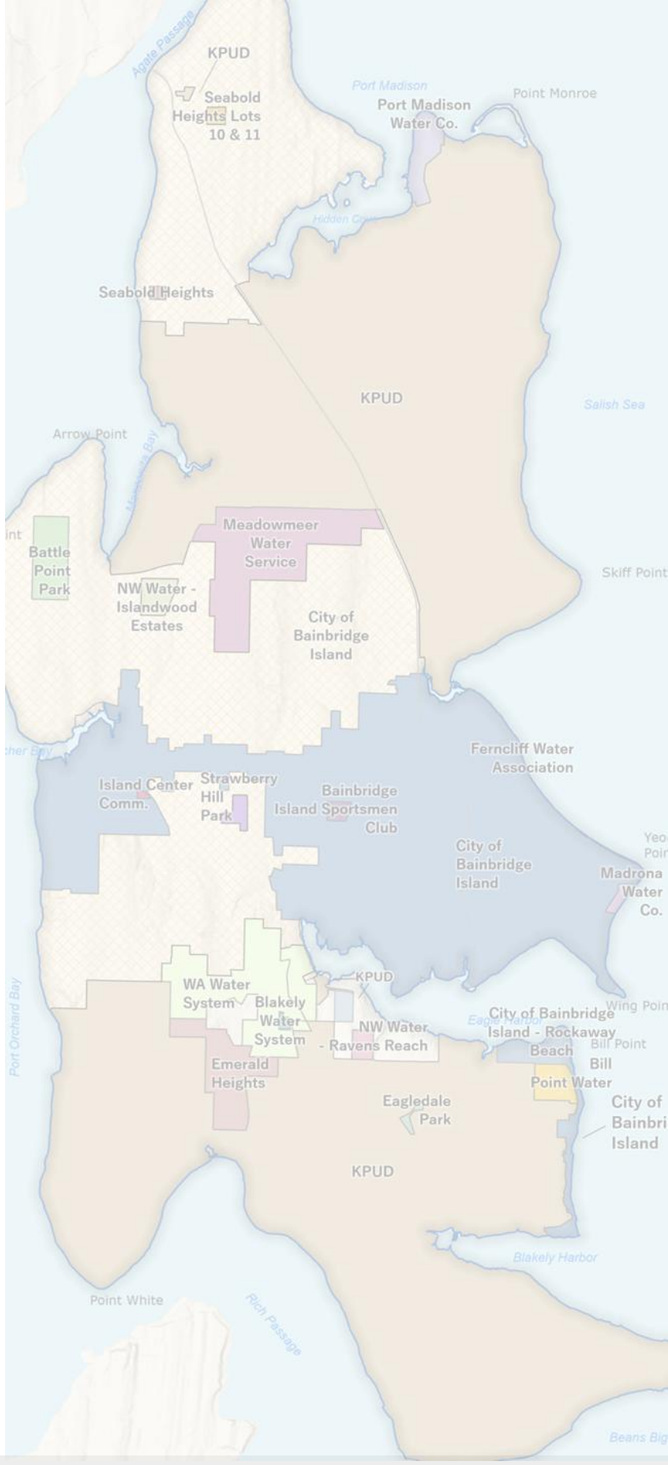
Final (90%) – “Reconstructed” by City Staff and Keta Waters, new analysis by Keta Waters

- Removed repetition
- Removed sections not pertaining to Bainbridge Island
- Revised the Executive Summary
- Added review and comparison of previous groundwater models
- Added summary of modeling by Keta Waters
- Added discussion on sustainability
- Improved recommendations section (Section 7)



Presentation of reconstructed plan

1. Introduction
2. Jurisdictional, Physical, and Hydrological Setting
3. Development and Environmental Impacts on Groundwater Quality and Quantity
4. Observed Groundwater Trends, Data and Information Gaps
5. *Overview of Groundwater Modeling*
6. *Problem Definition / Water Quality and Quantity Issues*
7. Management Actions



Bainbridge Island Groundwater Management Plan

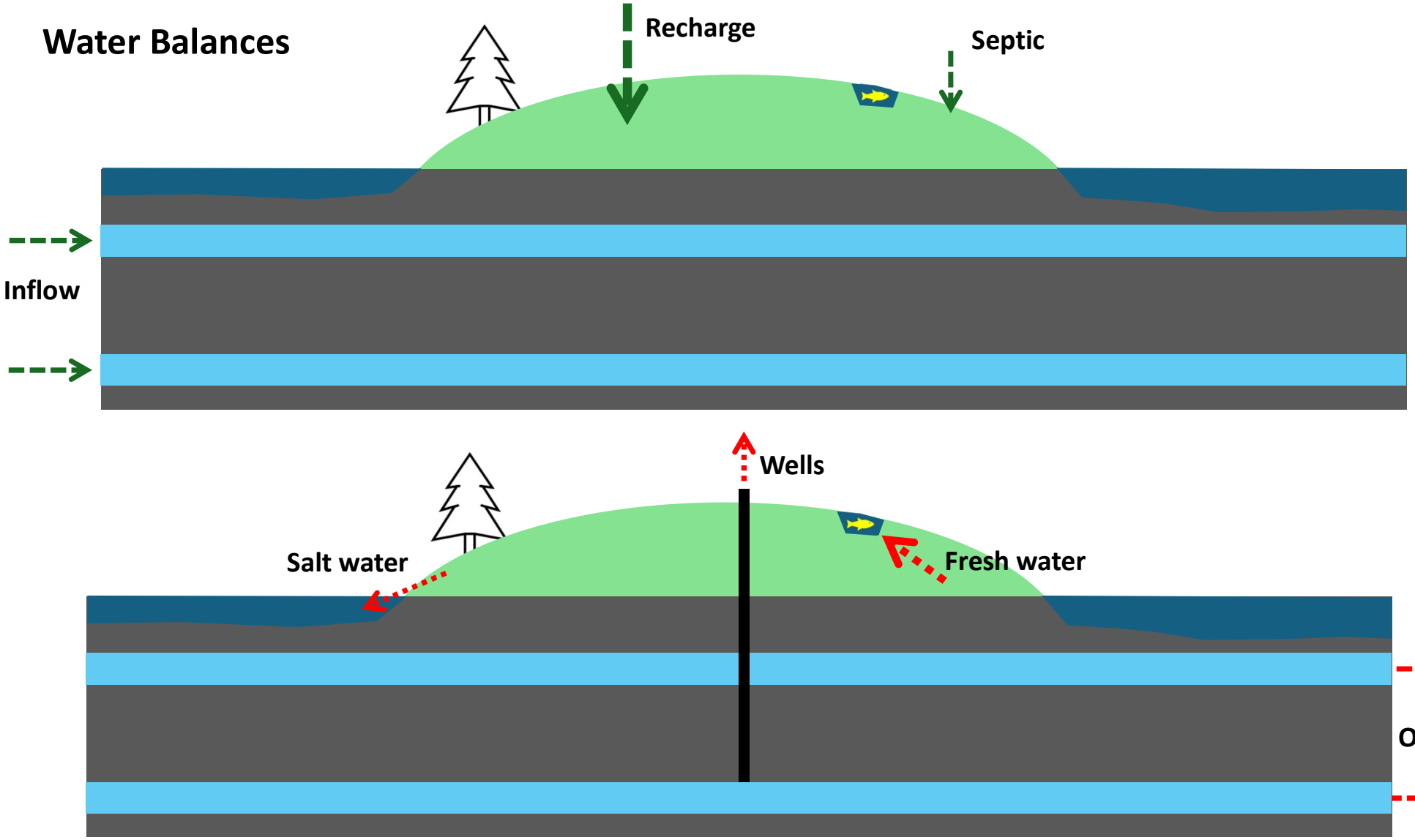
Water Balances and Sustainability

May 12, 2026

Joel Massmann
Adam Massmann

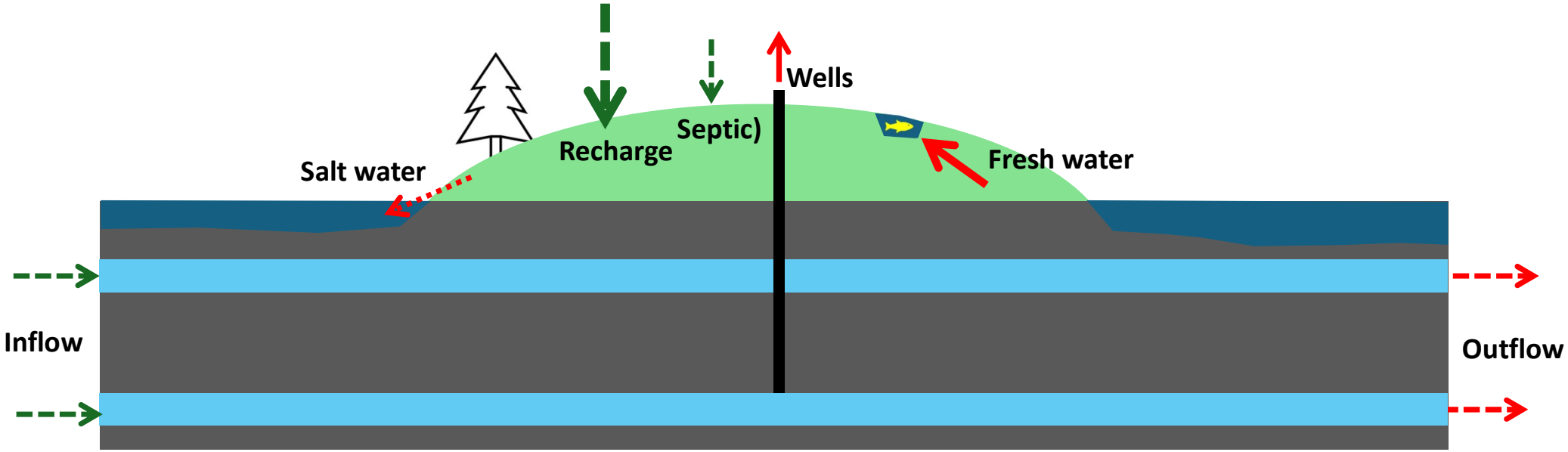
Keta Waters LP

Water Balances



Modeled Equilibrium Water Balances

	EA Model	Aspect Model
	% of inflow	% of inflow
Recharge	85.0%	85.6%
Septic	6.7%	7.0%
Inflow from off-island	8.4%	7.5%
Outflow to wells	-11.1%	-11.8%
Outflow to freshwater	-47.9%	-54.0%
Outflow to saltwater	-9.5%	-23.0%
Outflow through aquifers	-31.4%	-11.1%



Some results from equilibrium models

Changes in recharge have a roughly 1:1 impact on changes in groundwater flow to surface waters.

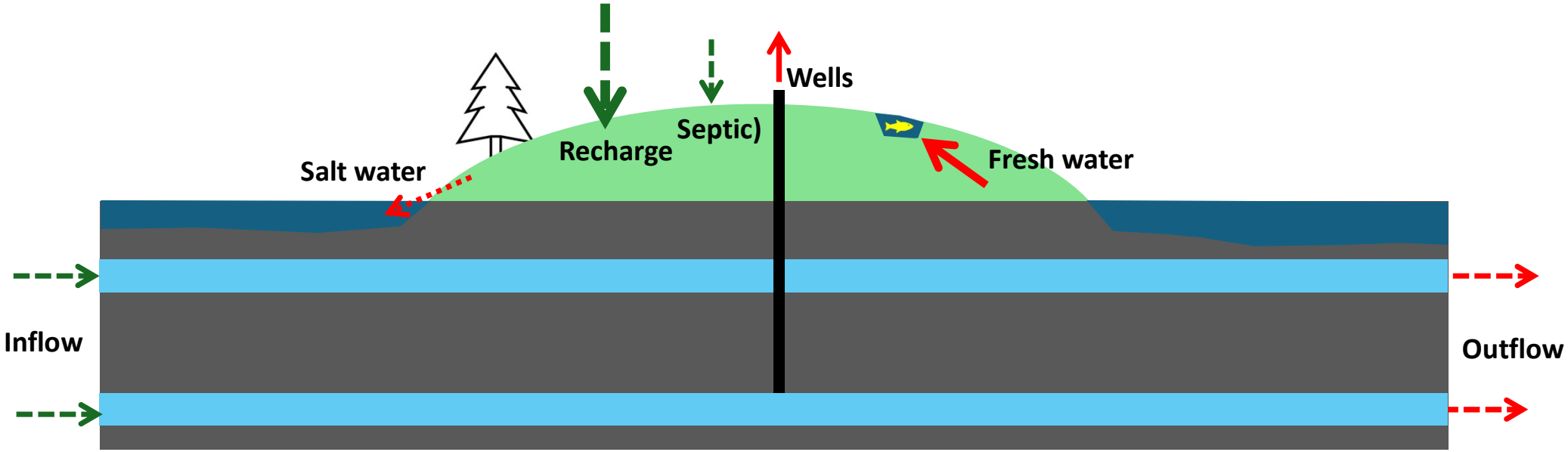
Eliminating all septic return flow causes groundwater flow to surface waters to be reduced by approximately 8-10%.

Groundwater pumping affects flow to surface waters. The impacts from aquifers deeper than sea level are significantly less than the impacts from aquifers at or above sea level.

Saltwater intrusion into aquifers will eventually occur if groundwater levels fall below sea level. In most scenarios that have been considered, groundwater levels in deeper aquifers remain higher than sea level.

The connection with off-island aquifers is uncertain and inconclusive.

Sustainable yield: can be maintained for an indefinite time without causing unacceptable environmental, economic, or social consequences.



A rough estimate of sustainable yield is 420-980 MG/yr

Current consumptive use is 325-590 MG/yr (pumping: 650-980 MG/yr, return flow 40-50%). This usage could be sustainable or unsustainable.

Permitted water rights and private well usage from ~1700 wells almost certainly exceed sustainable yield. Permitted groundwater and surface water rights are 2,460 MG/yr, as of 2000. This does not include permit exempt usage.

Current Bainbridge Island water systems have reduced water usage to 39 gal/person/day. If this water usage was achieved island-wide, residential consumptive use would be 175-210 MG/yr (pumping: 350 MG/yr). This water usage is almost certainly sustainable.

Public Engagement

Open house May 27th
6:00-7:30pm, Council Chambers

Purpose

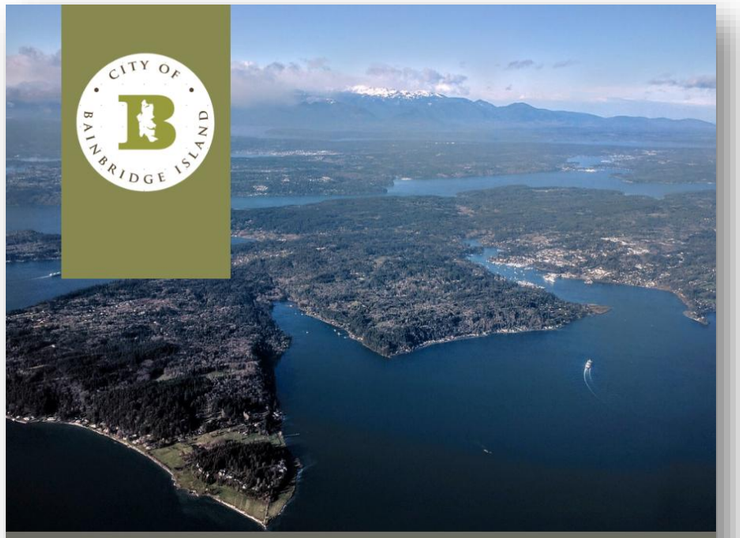
- Broaden the public's understanding of the issues
- Present the latest modeling and water budget analysis
- Explain the recommended strategies and actions
- Further the work to help the community define "Sustainable" and "Unacceptable Impacts"

Public Engagement

Agenda

- Stations with infographic panels (15 mins)
- Presentation by COBI and Keta Waters (15 mins)
- Q and A with panel (60 mins)
  With representatives from:
  - KPUD
  - Suquamish
  - Keta Waters

Public Engagement



Groundwater Management Plan:

Summary and Near-Term Action Memo

July 8, 2025

Prepared by:

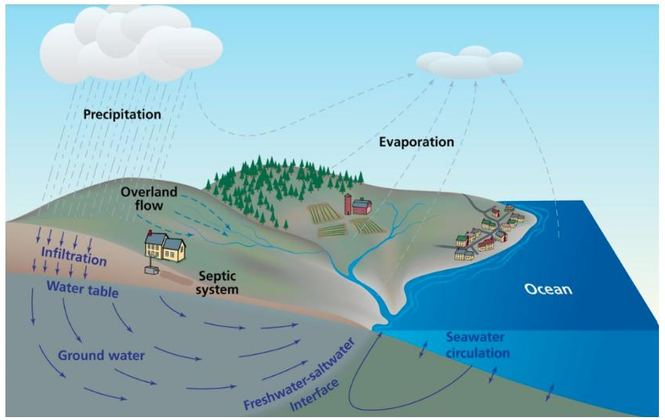
Christopher Wierzbicki, PE
Public Works Director

Christian Berg
Water Resources Specialist

In coordination with:

EA Engineering

The Groundwater Management Plan Sub-Committee & Technical Advisory Committee



What is groundwater?

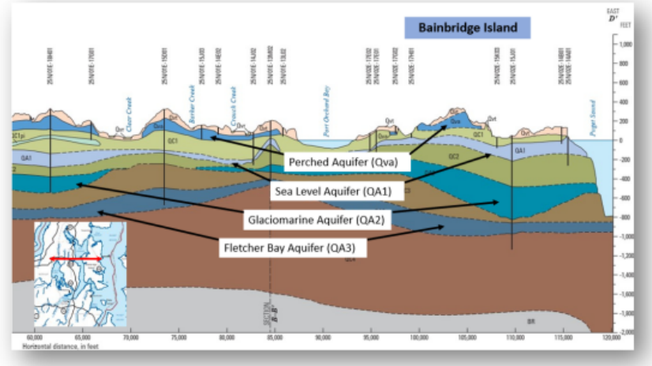
Groundwater is water found beneath the Earth's surface within saturated layers of soil and rock, and is a crucial water resource, naturally replenished by rainfall and snowmelt that percolates through the ground.

Between the saturated layers are **confining units**, or geological layers, like clay or dense rock, that have a very low hydraulic conductivity, meaning they allow very little water to pass through. They act as barriers, limiting the flow of groundwater into or out of an aquifer

The City of Bainbridge Island relies on groundwater for water supply and to support healthy streams and wetlands, and was designated in 2013 by the Enviromental Protection Agency (EPA) as a Sole Source Aquifer. Consequently, the City is studying and documenting groundwater conditions to ensure that adequate protection measures are in place to safeguard this vital resource.

The City's Groundwater Management Plan seeks to achieve the following goals:

- Ensure clean and efficient groundwater for our natural environment and ourselves
- Reduce and adapt to climate change impacts on groundwater
- Develop a community-wide understanding of groundwater



The figure above illustrates the complex interlayering of **aquifers** (blue colors) and **confining units** (green and brown).

The red arrow depicts the location of the cross-section or 'slice' through the underlying sediments shown in the diagram.

Aquifers Serving Bainbridge

The major aquifers underlying Bainbridge Island are briefly described below in order of increasing depth.

Perched Aquifer / Semi-Perched Aquifer (Qva-shallow) - The Perched Aquifer ranges from sea level to more than 300 feet above mean sea level, with a thickness of 20 to 200 feet. The Semi-Perched Aquifer ranges from sea level to more than 200 feet above sea level, with a thickness of 10 to 50 feet. These aquifers are utilized by about 29 percent of wells (primarily domestic.)

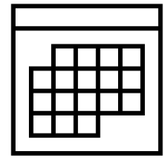
Sea Level Aquifer (QA1-seal-level) - The Sea Level Aquifer (QA1) is extensive and widely used. The top of the aquifer ranges from 200 feet below to 200 ft above sea level, with a typical thickness of 25 to 200 feet. About 53 percent of wells access this aquifer.

Glaciomarine Aquifer (QA2-deep) - The top of the aquifer ranges between more than 500 to 300 feet below sea level, with a typical thickness of 20 to 300 feet. Several of Bainbridge Island's production wells and at least four domestic wells access this aquifer, representing about 2 percent of wells.

Fletcher Bay Aquifer (QA3-deep) - This aquifer is the deepest identified aquifer on Bainbridge Island. The top of the aquifer ranges between more than 900 to slightly less than 600 feet below sea level, with a typical thickness of 50 to 300 feet. While representing only about 1 percent of wells on Bainbridge Island, these large water system wells provide approximately 30 percent of the estimated total Island groundwater production.

Proposed schedule

1. Present **90% Draft** May 12



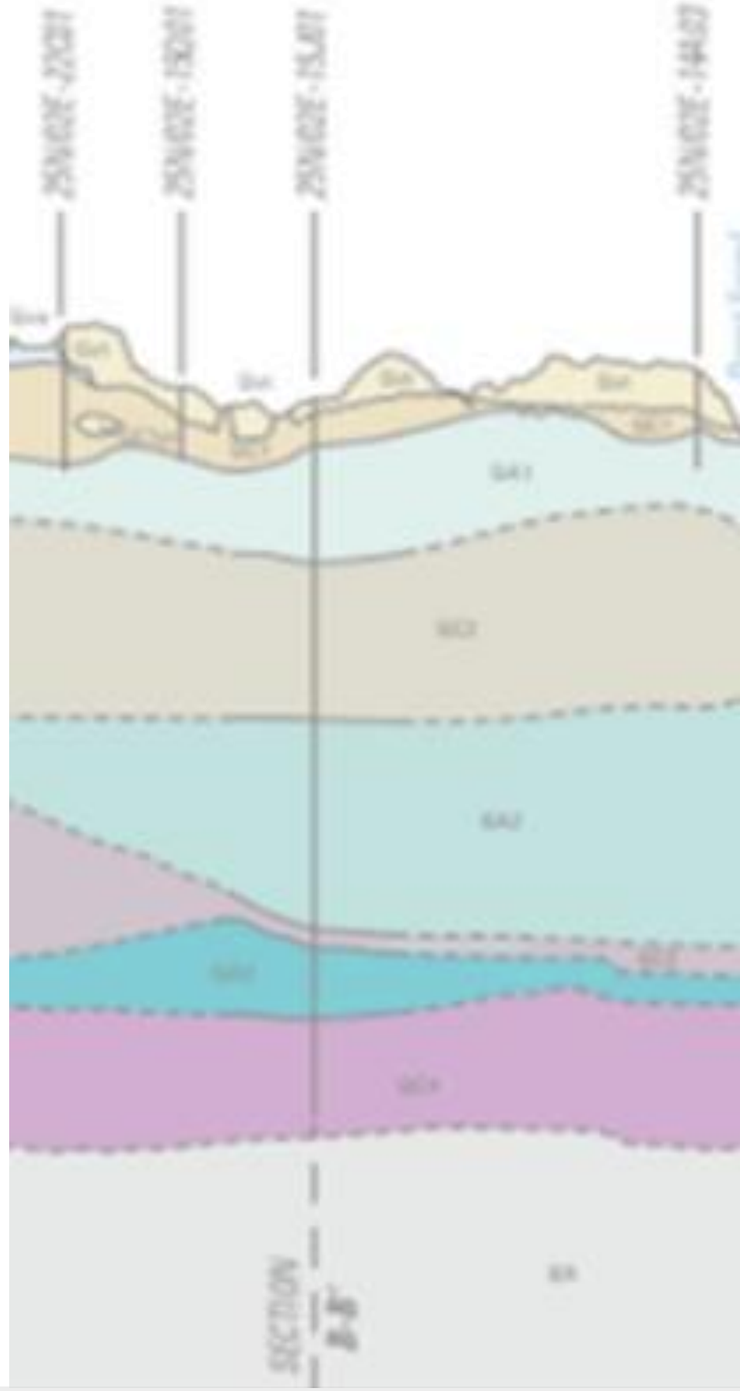
2. Host **Open House** May 27

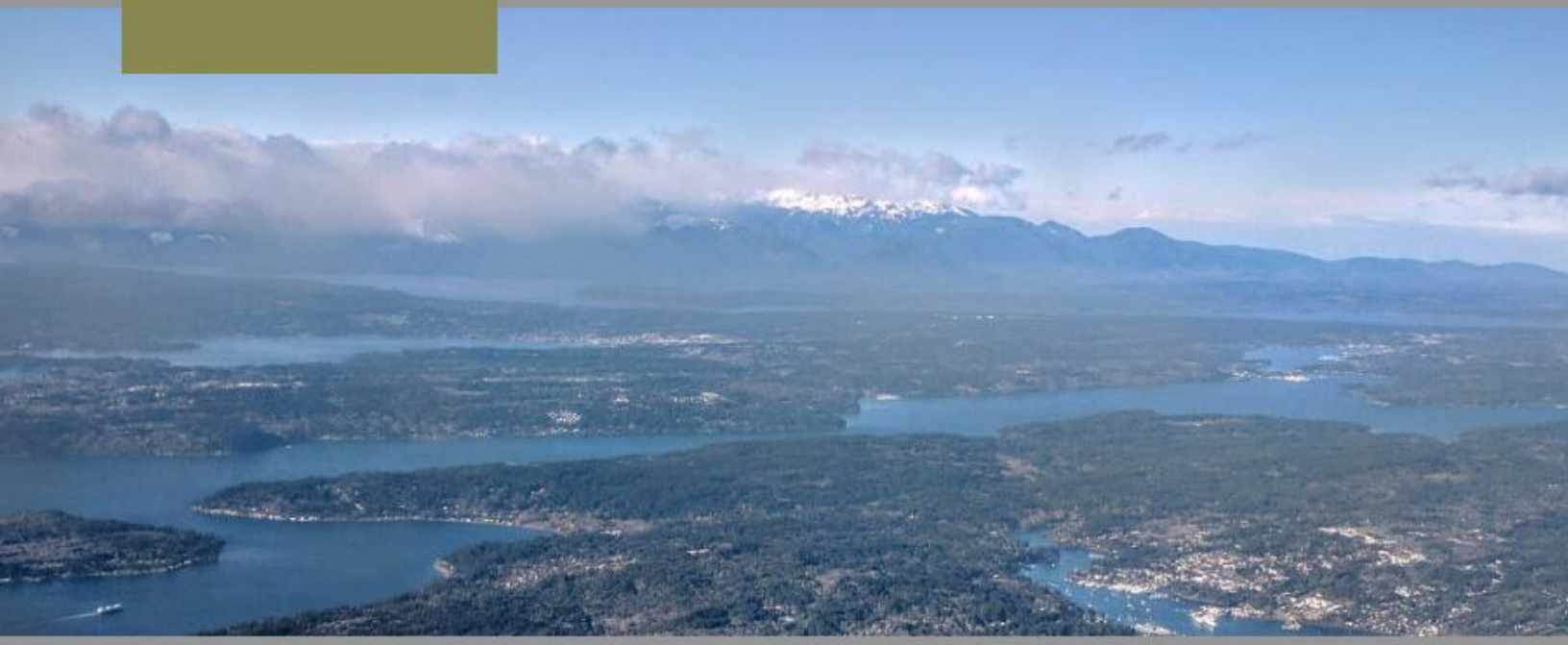
3. Present **100% Draft** June 23

Groundwater Management Plan (GWMP) Final Draft

May 12, 2026

Feedback/Discussion





Groundwater Management Plan

May 12, 2026

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List of Acronyms and Abbreviations

AFY	Acre-feet per year
AKART	all known, available and reasonable methods of prevention, control and treatment
ASR	aquifer storage and recovery
BHC	BHC Consultants
BIMC	Bainbridge Island Municipal Code
BIMPRD	Bainbridge Island Metro Parks and Recreation District
BOD5	biochemical oxygen demand 5 day
Carollo	Carollo Engineers, Inc.
CDP	cumulative departure precipitation
COBI	City of Bainbridge Island
DBP	disinfection byproducts
DOH	Department of Health
EA	EA Engineering, Science, and Technology, Inc., PBC
Ecology	Washington State Department of Ecology
EPA	U.S. Environmental Protection Agency
ERU	equivalent residential unit
ETAC	Environmental Technical Advisory Committee
EWL	early warning level
FBA	Fletcher Bay Aquifer
GIS	Geographic Information System
GW	groundwater
GWMP	Groundwater Management Plan
GPD	gallon per day
GPM	gallons per minute

GMA	Glaciomarine Aquifer
GSI	green stormwater infrastructure
HB	House Bill
IDDE	Illicit Discharge Detection and Elimination
KPHD	Kitsap Public Health District
KPUD	Kitsap Public Utility District
KW	Keta Waters LP
KWRN	Kato and Warren, Inc. and Robinson and Noble, Inc
LID	Low Impact Development
LOSS	Large On-Site Septic System
MCL	maximum contaminant limit
MFL	million fibers per liter
MG	million gallons
MGD	million gallons per day
mg/L	milligrams per liter
MGY	million gallons per year
MODFLOW	Modular Three-Dimensional Finite-Difference Ground-Water Flow Model
MODFLOW-NWT	Newton-Formulation for Modular Three-Dimensional Finite-Difference Ground-Water Flow Model
MSL	mean sea level
NPDES	National Pollutant Discharge Elimination System
O&M	operations and maintenance
OSS	On-site Septic System
PA	Perched Aquifer
PE	permit-exempt
PVC	polyvinyl chloride

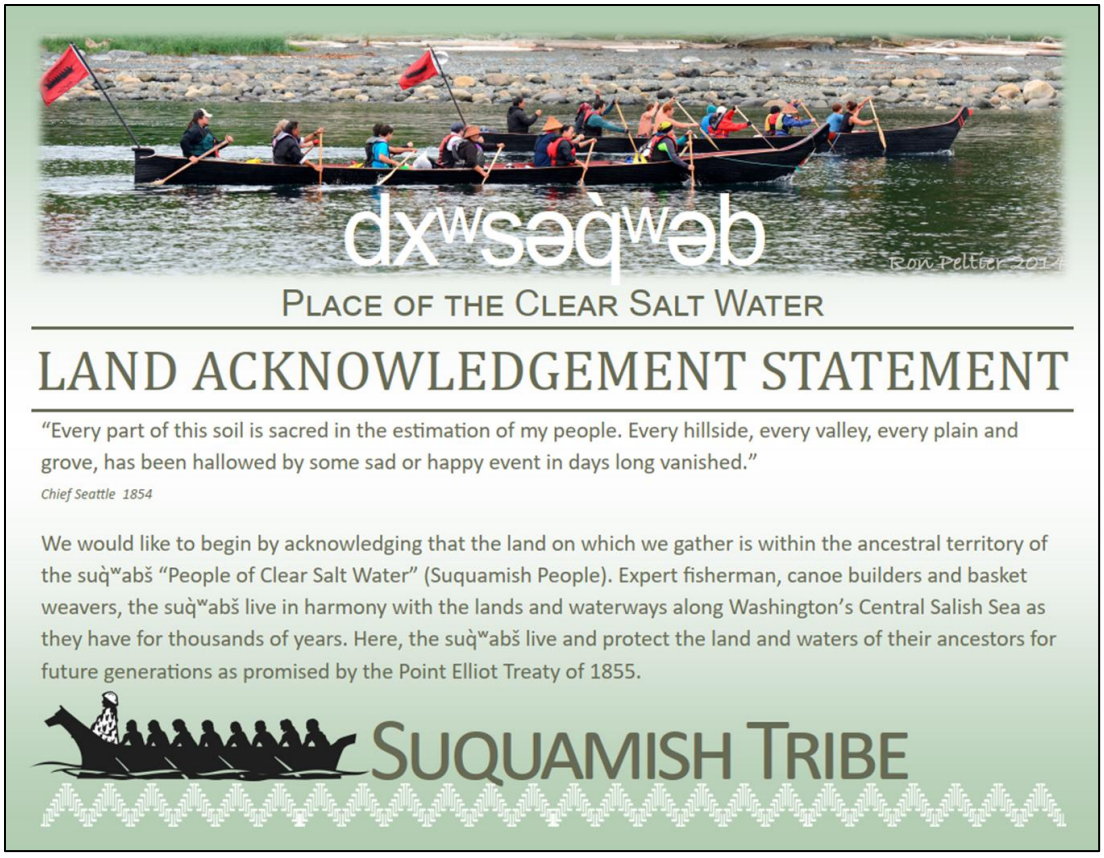
Qa	Annual quantity
Qi	Instantaneous quantity
RCP	Representative Concentration Pathways
RCW	Revised Code of Washington
RWSA	Regional Water Service Area
SALs	State Action Levels
SLA	Sea Level Aquifer
SMED	Stormwater Management for Existing Development
SPA	Semi-Perched Aquifer
SWMP	Stormwater Management Program
SWMMWW	Stormwater Management Manual for Western Washington
TAC	Technical Advisory Committee
TSS	total suspended solids
UAC	Utility Advisory Committee
USGS	U.S. Geological Survey
VOC	volatile organic compound
WAC	Washington Administrative Code
CIG	Climate Impacts Group
GMA	Washington Growth Management Act
WWTP	wastewater treatment plant

Land Acknowledgement

Native American histories indicate that ancestral peoples have lived in the Pacific Northwest since time immemorial. Archaeological evidence supports the deep antiquity of Native peoples in the region by providing material evidence for the local presence of ancestral peoples prior to 12,000 years ago (Carlson 1990; Kopperl, et. al.) and as early as roughly 16,000 years ago. Generally, the earliest known archaeological sites in the Pacific Northwest were occupied shortly after widespread regional deglaciation allowed much of the land to be habitable.

Suquamish tribal members first inhabited Bainbridge Island and the Kitsap Peninsula around 13,000 years ago and continue to live in the area to the present day. The Suquamish People and other People of the Salish Coast Water occupied winter villages and seasonal camps throughout the Island as they fished, hunted, collected shellfish, and gathered plants and other vegetation resources.

With respect to that history, the City of Bainbridge Island offers the following land acknowledgement:



Other Acknowledgements

This groundwater management plan is intended to be a living community document, updated as required. As such, it represents a community-wide effort to assemble, understand, and manage Bainbridge Island's groundwater. The primary technical analysis was performed by EA Engineering, Inc. and Keta Waters LP.

Special thanks are due to the members of the Groundwater Management Plan Advisory Subcommittee: Andy Maron, Melanie Keenan, Malcolm Gander, Mike Cox, and Ted Jones for their support, advice, and critical input. The members of the Technical Advisory Committee: Charlie Kratzer (Suquamish Tribe), Douglas Wood (Washington State Department of Ecology), John Kiess (Kitsap Public Health District), Joel Purdy (Kitsap Public Utility District), and Tom Colby (Kitsap Public Utility District) provided significant insights regarding the groundwater quantity and quality on Bainbridge Island.

Thanks are due to Christian Berg, Ground and Surface Water Resource Specialist at the City for countless hours of technical support, Gretchen Brown, GIS Specialist for

map design and cartography and to Chris Wierzbicki, Public Works Director, for overall guidance and review.

Finally, thanks are due to the City Council for their vision and support in completing the Groundwater Management Plan and to the residents of the City for their interest and commitment to the process.

Executive Summary

The purpose of the Groundwater Management Plan (GWMP) is to protect the Island's Sole Source Aquifer system. Without a plan, the City of Bainbridge Island (City) runs the risk of overdrawing from groundwater sources, which could lead to dry and unrecoverable drinking water wells, sea-water intrusion, and a host of negative impacts on critical aquatic environments and related species.

The GWMP is based on historical evaluation and monitoring stretching back over 20 years, including updated modeling and analysis performed in 2025 and 2026. The critical findings from this work include the following:

- All models show that impacts of reduced recharge are significantly larger than impacts from increased pumping. In addition, recharge rates have a roughly 1:1 impact on changes in streamflow. Septic return flow contributes to groundwater recharge and reduces the net consumptive use of groundwater pumping.
- In modeling scenarios that reflect anticipated future conditions, groundwater levels remained above sea level in the aquifer system for those scenarios with pumping that was less than 1.5 times current rates. Groundwater levels fell below sea level in some aquifers for scenarios with pumping that was greater than 2.0 times current rates. Groundwater levels that remain below sea level will eventually result in saltwater intrusion.
- A rough estimate of sustainable yield for the aquifer system is in the range of 1,200-3,000 acre-feet/year (AFY). Current consumptive use is estimated to be in the range of 1,000-1,800 AFY (pumping: 2,000-3,000 AFY, minus return flow of 40-50%). This current usage could be sustainable or unsustainable, depending on what the actual values are for sustainable yield and current use. Because these actual values cannot be known with certainty, it is not possible to say definitively if the current usage is sustainable or unsustainable.
- If all allowable water from permitted water rights and ~1,700 private well allowances was put to use, then usage would almost certainly exceed sustainable yield.

It is important to interpret these findings in light of the subjectivity associated with definitions of sustainability. Alley et al. (1999) defined groundwater sustainability as “the development and use of ground water in a manner that can be maintained for an indefinite time without causing unacceptable environmental, economic, or social consequences.” Ultimately "unacceptable" must be collectively defined, and systems must be measured and monitored to ensure unacceptable thresholds are not crossed.

Given the findings, the GWMP prioritizes management actions that will help the City create a robust measurement and monitoring system, and contribute to the sustainable and responsible use of water resources (see Appendix A for a comprehensive list), including:

- Promoting water conservation, including developing conservation goals, piloting conservation strategies, and evaluating results.
- Enhancing storm and surface water management, including implementing a stormwater source control program and considering rebates for stormwater retrofits.
- Spreading out production wells, evaluating interties between large systems and increasing public water storage. These three actions each have independent benefits but are likely to be pursued together as part of a coordinated effort with KPUD.
- Consolidating smaller water systems and users with larger public systems, which will reduce reliance on shallow aquifers, and ultimately allow more regulation regarding the use of water resources.
- Evaluating and implementing Managed Aquifer Recharge, including following through on the Manzanita Stormwater Recharge Park project, which is currently grant-funded.

Ultimately, the findings from the GWMP indicate that the City is not currently in a groundwater crisis. If managed responsibly, the Island's water supply for human consumption is secure for the 20-year planning horizon given steady population growth combined with changes in climate. Increased water conservation and managed aquifer recharge are necessary to prevent impacts on surface water and

streams, and to provide resiliency for human consumption in the 50-year horizon and beyond.

1. Introduction

1.1 Groundwater Management Plan Vision

The entire Bainbridge Island community—residents, workers, and visitors alike—depends on groundwater for all water supply needs. Groundwater also plays a vital role in supporting healthy streams and wetlands and maintaining the saltwater/freshwater boundary that ensures an ongoing supply of fresh water. The City of Bainbridge Island (City) recognizes that management of this precious resource requires a sustainable, Island-wide approach. To meet this need, the City's 2016 Comprehensive Plan directs that a Groundwater Management Plan (GWMP) be developed as an adaptive planning tool.

1.2 Groundwater Management Plan Goals and Objectives

In 2021, the City Council established the following high-level goals and objectives for the GWMP (Figure 1).

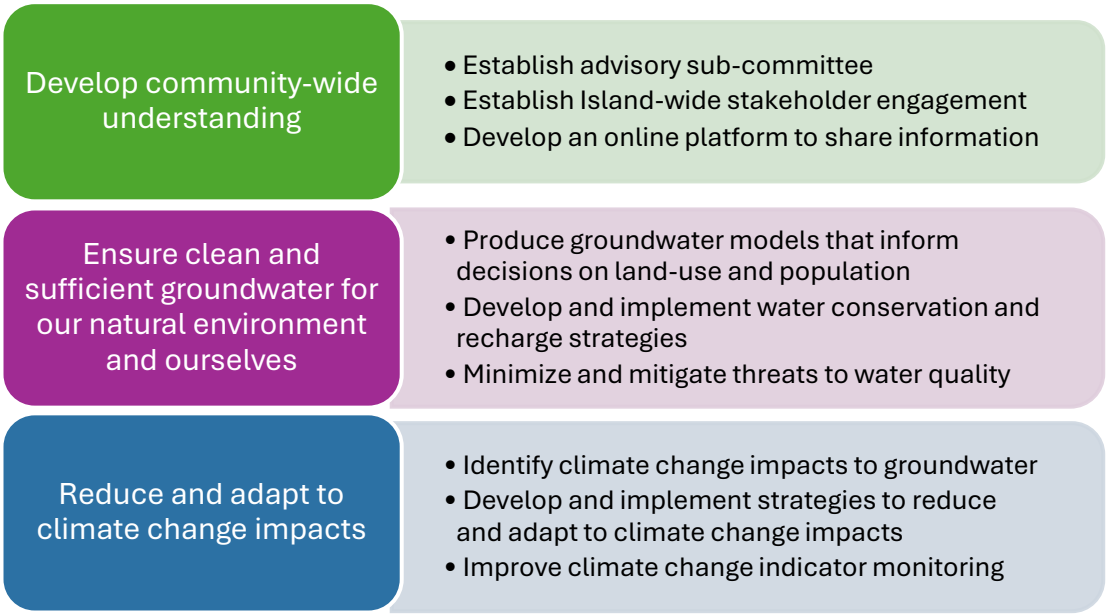


Figure 1 Groundwater Management Plan Goals and Objectives

Beneath the surface of these high-level goals and objectives are some important details regarding emphasis and priorities of the GWMP:

- As Bainbridge Island is entirely dependent on groundwater, the plan goals and objectives emphasize safeguarding this vital resource through robust

protection measures, while also addressing critical data gaps and research needs that influence long-term sustainability. The Island's complex network of aquifers not only supports the drinking water supply for residents, workers, and visitors; it also sustains healthy streams and wetlands throughout the Island. Ensuring the health of this system requires coordination among multiple partners, including the U.S. Geological Survey (USGS), the City, Kitsap Public Utility District (KPUD), Washington State Department of Ecology (Ecology) and Department of Health (DOH), and the Kitsap Public Health District (KPHD).

- Development management is a key issue, as the Island must plan to accommodate additional new housing units by 2044 to meet population growth projections mandated under the Washington Growth Management Act (GMA). The GMA requires local jurisdictions to ensure adequate housing capacity for future residents while protecting critical areas and natural resources. Therefore, the plan goals and objectives seek to address the impacts of development on the aquifer systems.
- The goals and objectives prioritize building upon the established monitoring network of 87 wells across six aquifers and emphasize community involvement through education and volunteer programs. Adaptive management is a guiding principle of this approach, ensuring the plan evolves in response to new data gathered through ongoing assessment.

Altogether, the plan goals and objectives reflect Bainbridge Island's unique position as an Island community entirely reliant on groundwater. It integrates strategies to manage increasing development pressure, climate change impacts, and the technical complexities of maintaining a safe, sustainable aquifer system. Through coordinated, adaptive, and community-focused efforts, the City is working to ensure the long-term protection and resilience of its most critical natural resource.

1.3 Groundwater Management Plan History

Bainbridge Island's groundwater system has been extensively studied for decades by federal, state, and local agencies. Highlights include:

- USGS investigations (1950s to 2016)
- Groundwater data from the City and KPUD (1980s to present)
- Hydrogeologic studies by Ecology (1980s to present)
- Groundwater Management planning by Kitsap County (1991)
- Water quality and supply monitoring by the DOH and KPHD (1970s to present)
- Cleanup efforts related to the Wyckoff/Eagle Harbor Superfund Site (EPA, 1980s to present)
- Consultant reports, including Aspect Consulting's contributions to groundwater modeling and monitoring protocols (2006, 2009, 2015, 2023)

Bainbridge Island's aquifer system is designated as a Sole Source Aquifer by the U.S. Environmental Protection Agency (EPA). This designation, initiated by Island residents in 2009, means all federally funded projects on the Island are subject to EPA review to prevent aquifer contamination. Projects posing potential risks may require modification or face denial of federal funds.

The City's 2016 Comprehensive Plan, which is in the process of being updated in June 2026, also includes Water Resources Element 6, which outlines a vision for climate-resilient water systems supported by groundwater monitoring, model updates, public education, and low-impact development techniques (LID). These measures support long-term sustainability and inform adaptive management.

Development of the formal GWMP began in 2020, when the City hired an in-house hydrogeologist, Maureen Whalen, to lead the initial efforts. Upon her departure in 2022, the City then hired the consulting team, EA Engineering, in 2023 to update the model and complete the plan, a draft of which was finalized in April 2025. Most recently the City worked with Keta Waters, LLC to finalize the Plan. A bibliography of supporting reports is provided in Appendix B and other related information is accessible via the City's Water Resources Library.

1.4 Groundwater Management Plan Public Engagement

The GWMP was developed through a collaborative process involving residents, water purveyors, the Suquamish Tribe, local, state and federal agencies. Public input helped shape GWMP policies, milestones, and management initiatives. Public engagement efforts are detailed in Appendix C.

The GWMP Advisory Subcommittee, composed of members from three City Advisory Committees (Utility Advisory Committee, Environmental Technical Advisory Committee, Climate Change Advisory Committee), collaborated with staff to ensure the plan aligns with local needs. Technical expertise was provided by a Technical Advisory Committee (TAC), which includes representatives from KPHD, KPUD, the Suquamish Tribe, and Ecology. The Subcommittee and TAC focused on the following areas:

- Groundwater system characterization
- Updated numerical groundwater modeling
- Monitoring network evaluation
- Groundwater/surface water interaction
- Impacts of land use, septic systems, and climate change
- Effects of population growth on groundwater

The TAC charter is included in Appendix D.

2. Jurisdictional, Physical, and Hydrological Setting

This section provides a general description of existing conditions including location, history, government structure, land and water management authorities, physical setting, and hydrogeology.

2.1 Location

Bainbridge Island, an all-Island city, is in the Puget Sound lowland of west-central Washington on the east side of the Kitsap Peninsula in Kitsap County (Figure 2). The Bainbridge Island groundwater management area encompasses the entire Island.

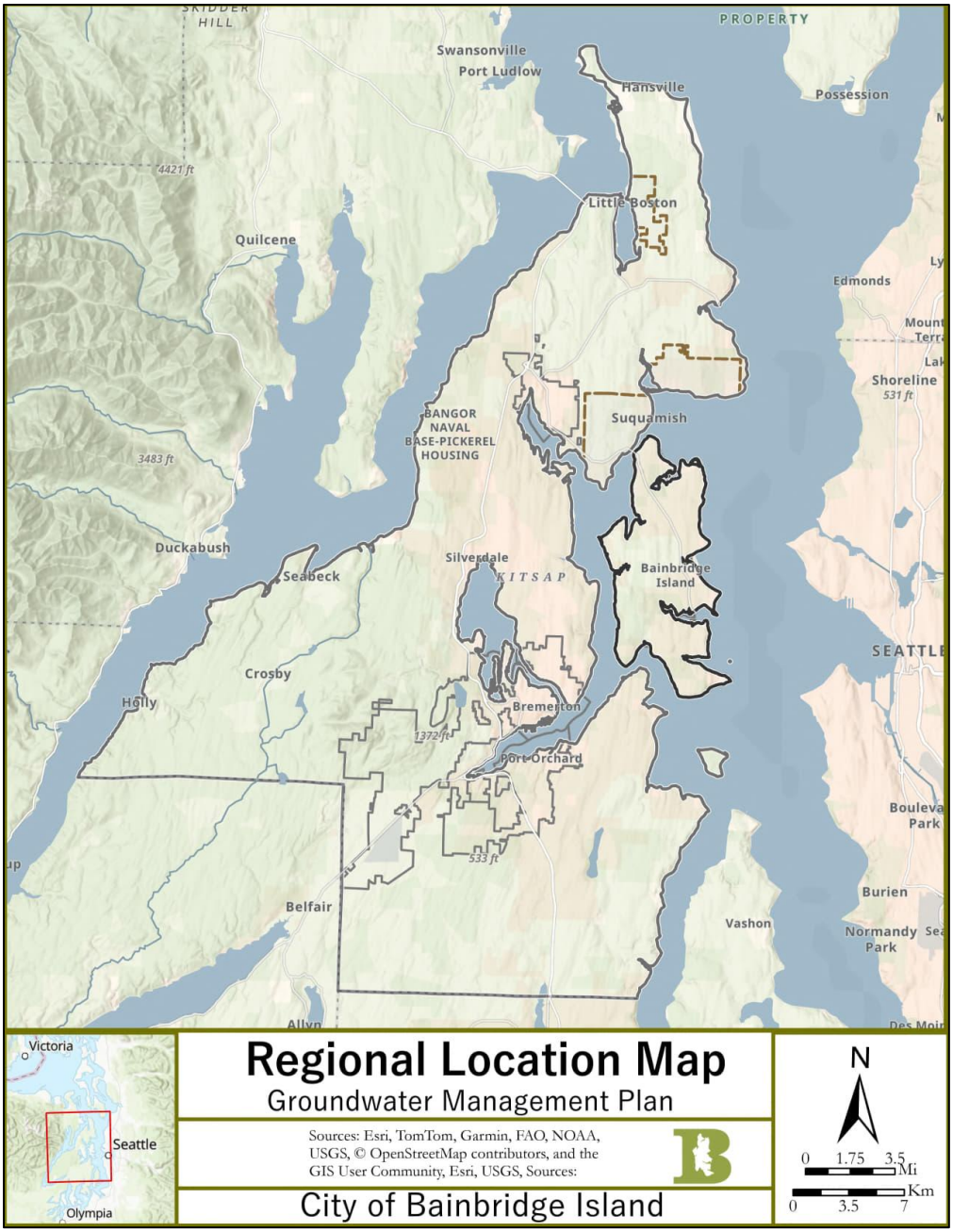


Figure 2 City of Bainbridge Island Location

2.2 Bainbridge Island history

Native American histories indicate that ancestral peoples have lived in the Pacific Northwest since time immemorial. Archaeological evidence supports the deep antiquity of Native peoples in the region by providing material evidence for the local presence of ancestral peoples prior to 12,000 years ago (Carlson 1990; Kopperl, et. al.) and as early as roughly 16,000 years ago. Generally, the earliest

known archaeological sites in the Pacific Northwest were occupied shortly after widespread regional deglaciation allowed much of the land to be habitable.

Suquamish tribal members first inhabited Bainbridge Island and the Kitsap Peninsula around 13,000 years ago and continue to live in the area to the present day. The Suquamish People and other People of the Salish Coast Water occupied winter villages and seasonal camps throughout the Island as they fished, hunted, collected shellfish, and gathered plants and other vegetation resources.

Non-native settlement of the Island began in the mid-1800s primarily to support milling and shipbuilding activities. Commercial agriculture centered on strawberry farms developed in the early 1900s by Japanese immigrants. World War II abruptly altered Bainbridge Island's economy, as Executive Order 9066 ordered West Coast Japanese relocated to internment camps for the war's duration. This resulted in a severe disruption of strawberry farming from which it never fully recovered (COBI 2017).

In 1937, scheduled auto ferry service from the Island to Seattle started and in 1950 the Agate Pass Bridge and State Highway 305 directly linked the Island to the Kitsap Peninsula. With easier access to Seattle and Kitsap Peninsula came an increase in population, especially in the 1960s and 1970s (COBI 2017).

For much of the twentieth century, Bainbridge Island largely consisted of unincorporated areas and the City of Winslow (incorporated on August 23rd, 1947). On February 28th, 1991, the unincorporated area of Bainbridge Island was annexed into the City of Winslow. On November 5th, 1991, voters approved changing the name from City of Winslow to the City of Bainbridge Island (Figure 3).

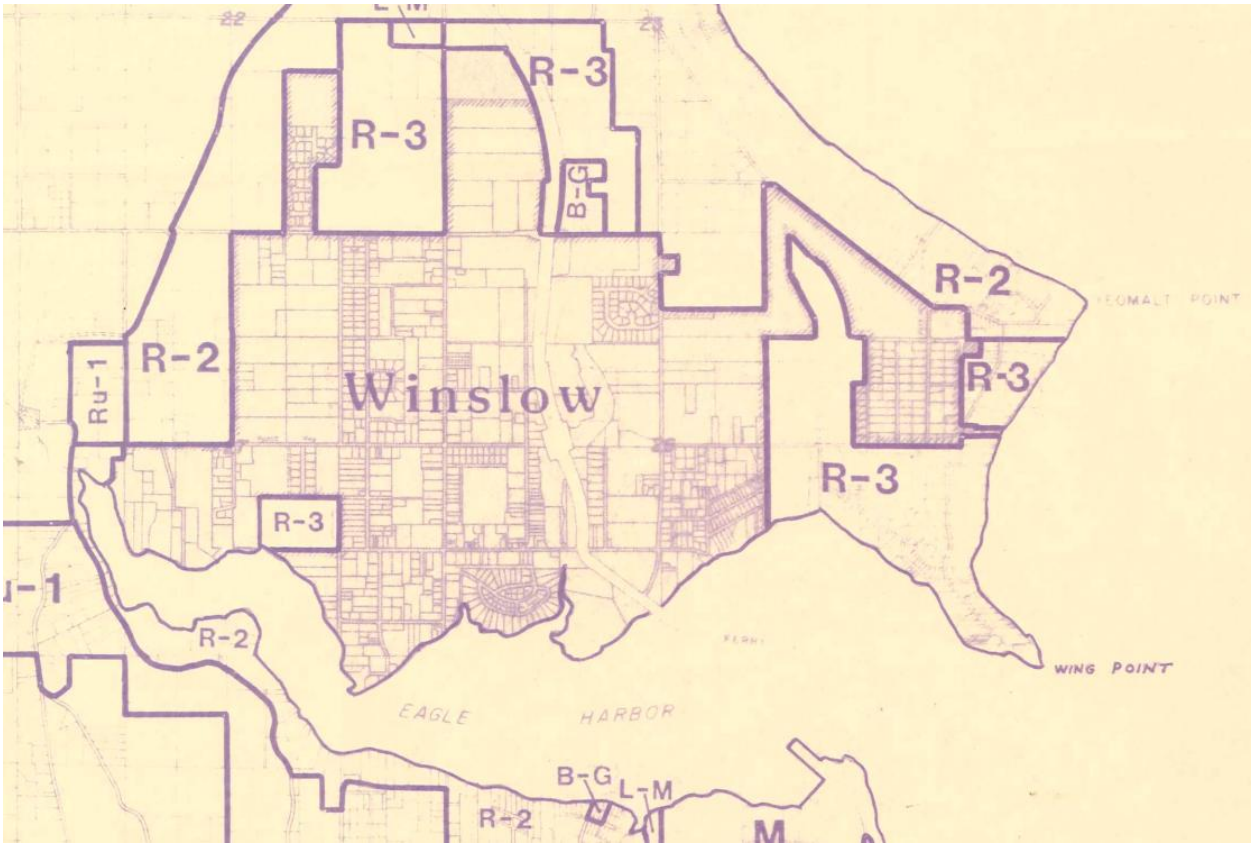


Figure 3 Former City of Winslow Map, 1983

2.3 City of Bainbridge Island Government

The City's government structure employs a non-charter code system with a council/manager. The City Council is an elected body and sets public policy by enacting ordinances, establishing budgetary policies, and defining roles and responsibilities of the City's officers and employees. The City Manager is appointed by and is directly accountable to the City Council. The City Manager is responsible for the execution of City policies and the administration and management of City departments (COBI 2021).

2.4 Land and Water Management Authorities

The GWMP generally follows the requirements of WAC Chapter 173-100, Groundwater Management Areas and Programs, and also looks to related land and water management plans, policies and regulations focusing on other City environmental, planning and development concerns at the local, regional and state

level. The GWMP nests within these plans, policies, and regulations, providing a central living document for the community and the City to use. These related plans, policies, and regulations are briefly summarized in this section with a high-level discussion of links to the GWMP.

Indigenous Treaty Rights

Though the Treaties of Point Elliot and Point No Point do not specifically govern the groundwater resource, the modern understanding of the hydrologic cycle connects the two topics through the relationship of groundwater use and diminished streamflow and thus reduced habitat for salmon. Inherent in the treaties was the continued ability to take fish in the “usual and accustomed grounds and stations.”

Indigenous rights and cultural values are deeply respected in the City's land and water management approach, acknowledging the Suquamish People's historical connection to these lands and waterways (COBI 2025).

2.4.1 City of Bainbridge Island Municipal Code

Title 16 (Environment) of the City Municipal Code provides key protections for groundwater resources, primarily through Chapter 16.20 – Critical Areas. This chapter mandates the designation and protection of ecologically sensitive and hazardous areas, including features that safeguard water quality and groundwater recharge. The purpose is to “protect, maintain and restore these areas and achieve no net loss of their functions and values and allow for reasonable use of public and private property.”

Chapter 16.20.100 (Aquifer Recharge Areas) specifically recognizes that the entire Island is designated as an aquifer recharge area under WAC 365-190-100. This classification is intended to preserve the volume of recharge and prevent groundwater contamination. Projects that meet certain thresholds, such as those that propose the creation of more than 800 square feet of impervious surface may require the designation of an Aquifer Recharge Protection Area, a hydrogeologic assessment, and, if necessary, a mitigation plan to minimize impacts.

BIMC 16.20 is the City’s principal regulatory tool for aquifer protection and includes standards such as buffers for wetlands and streams, which help preserve both surface and groundwater quality. However, the City’s approach to managing land

and water extends beyond Title 16. Other chapters, particularly BIMC 15.19 and 15.20, which govern water and sewer utilities, also play a critical role in protecting groundwater resources and managing development impacts.

In addition to the Municipal Code, the Bainbridge Island Comprehensive Plan establishes long-range policy direction that shapes how land is used and water resources are managed. While the Comprehensive Plan does not carry the same regulatory authority as the code, several of its elements including Land Use, Housing, Environmental, and Water Resources directly influence the form, location, and cumulative impact of development on natural systems, including groundwater recharge and quality.

Further, the City's Stormwater Management Plan provides operational and planning guidance for reducing nonpoint source pollution and managing runoff in a way that protects both surface water and groundwater. Together, these documents contain statutory regulations, adopted plans, and technical guidance, form a layered and coordinated framework for sustainable land and water management on Bainbridge Island.

2.4.2 City of Bainbridge Island Water System Plan

The City's Water System Plan was updated in 2017 in accordance with WAC 246-290-100 and Washington State DOH requirements. The City owns and operates two water systems, the Winslow Water System and the Rockaway Beach Water System.

The Winslow Water System consists of 11 active wells at four well sites. The seven wells at Head of the Bay supply approximately 25% of the water system. Two wells at the Sands Avenue well site provide 45% and one well at Fletcher Bay provides 30%. There is one other active well (Commodore) that is rarely used due to low production capacity and previous water quality concerns.

Two wells at the Head of the Bay well site and the one well at Commodore well site have been determined by Washington DOH to have moderate to high susceptibility to contamination. Two of the Head of the Bay wells and the Commodore Well tested higher than the maximum contaminant level (MCL) for manganese during April 2015 field tests. The Sands Avenue wells have exceeded limits for two secondary maximum contaminant levels; sodium and color. These exceedances are

primarily due to the geologic conditions where the well is located and are naturally occurring.

In 2015 the Winslow Water System had an average daily demand (ADD) of 0.68 million gallons per day (MGD). Growth projections indicate an average daily demand of 1.24 MGD by 2035 (this assumes a medium level of water demand and all eligible parcels become connected). Current usage consists of 50% single family residential, 15% multi-family residential and 35% other (government, commercial, industrial).

The Rockaway Beach Water System is supplied by one well (Taylor Avenue) which has been designated by the Washington Department of Health as having low susceptibility to contamination. The only exceedances recorded are for the secondary MCL for manganese. The 2007 maximum daily demand (MDD) exceeded the Taylor Avenue well pumping capacity. Although MDD has been significantly lower in recent years, MDD was projected to approach the Taylor Avenue Well capacity by 2035. To correct this, the Taylor Avenue Well was rehabilitated and an intertie was added to KPUD's neighboring water system to increase supply. Since these improvements, further modeling is needed to identify if the current supply capacity for the Rockaway Water system is sufficient to comply with the City's supply reliability criteria which are as follows:

Criterion 1 – **Reliable MDD Supply**. Reliable sources are capable of supplying MDD within a 24-hour period.

Criterion 2 – **Average Daily Demand (ADD) Supply with Largest Source Removed**. Reliable sources are capable of supplying ADD with the largest source out of service.

Criterion 3 – **Fire Storage Replenishment**. Sources are capable of supplying MDD and replenishing fire suppression storage in 72 hours.

Criterion 4 – **Firm Booster Pump MDD Supply**. Booster pump is capable of supplying MDD of the water system with firm, reliable capacity.

Water supply for the rest of the Island is provided by many different water purveyors of both Group A and Group B and permit-exempt wells taking less than 5,000 gallons per day.

The following is a simplified set of definitions of water system types (for more detailed definitions refer to WAC 246):

Group A Systems have more than 14 connections.

Group B Systems have 3 to 14 connections.

Permit-exempt wells have 1-2 connections.

Both Group A and Group B public water systems are required to provide information to the Washington State DOH regarding water source details, water quality monitoring schedule and sampling results, and water use efficiency. Group A water systems are required annually to complete and make publicly available a consumer confidence report (Washington State DOH, no date). The consumer confidence report must include information regarding the source of water, water quality monitoring results, compliance with drinking water regulations, and appropriate educational information. An example of reporting requirements can be found in the City's annual water quality report for the Winslow Water System #97650.

2.4.3 City of Bainbridge Island Climate Action Plan

The City's Climate Action Plan, adopted in November 2020, sets three goals in response to direction given in the Comprehensive Plan to reduce greenhouse gas emissions and increase the Island's climate resilience. Progress reports are available from 2023. The three goals are:

Mitigation: Greenhouse gas emissions are reduced by 90% by 2045 compared to 2014 levels with interim milestones of 25% reduction by 2025 and 60% by 2035 compared to 2014 levels.

Adaptation: Bainbridge Island is climate savvy and can withstand the impacts of climate change.

Community Engagement: the City inspires community action and partners with local and regional organizations to take meaningful and equitable climate change mitigation and adaptation actions.

The Climate Action Plan recognizes several climate impacts that are relevant to groundwater management, including changes to timing and extent of groundwater

recharge, rising sea levels, increased erosion, potential saltwater intrusion, and groundwater/surface water interactions. About water resources, the plan sets the following goals:

- Steward natural resources to function as healthy, resilient ecosystems
- Protect and maintain integrity of Island's surface and groundwater resources in the face of climate change
- By 2025, the City will adopt a Groundwater Management Plan that accounts for climate change in its projections, policies, and guidance
- Steward shorelines to allow for resilience

2.4.4 Kitsap County Code

In most cases, the City's Municipal Code is the primary regulatory authority, however, it is worth noting that the Kitsap County Critical Areas Recharge Ordinance 19.600 provides policy support to identify, preserve, and protect these critical areas, to recognize the connection between surface water and groundwater and to prioritize potable water resource areas per WAC 365-190-100 when undertaking land use planning and regulation. The ordinance also seeks to balance competing needs for water supply while preserving natural functions and processes.

Ordinance 19.600 provides for two categories of Critical Aquifer Recharge Areas. Category I Critical Recharge Areas are defined by the time it takes water to travel from the ground surface to the water supply well (either five years or 10 years if the well takes water from an aquifer at or above sea level with no intervening protective impermeable layer). Category I areas also include significant recharge areas identified as having special circumstances or significant potable supply that is susceptible to groundwater contamination. Category II Critical Aquifer Recharge Areas provide recharge to aquifers that are currently or potentially will become potable water supplies and are vulnerable to contamination based on land use.

Bainbridge Island contains both Category I and II Critical Recharge Areas. Category I areas have been delineated for the City, KPUD and Group A water suppliers. Most of the remaining area on Bainbridge Island is included in Category II Critical Aquifer Recharge Areas. Inclusion in Category I or II indicates that certain land use that can

potentially negatively impact groundwater quality are either prohibited (Category I) or restricted (Category II). A hydrogeologic assessment may be required.

In 1991 Kitsap County and KPUD completed the Kitsap County Groundwater Management Plan that includes recommendations for the Bainbridge Island subarea. See Appendix B for more information on related plans and documents.

2.4.5 Kitsap Public Utility District

KPUD is a municipal corporation serving Kitsap County, with a focus on water resource management, wholesale water supply, and support for local water systems. Established in 1940, the district plays an important role in ensuring reliable water availability across the county, including infrastructure development and coordination with local jurisdictions. KPUD also owns and manages two of the larger water systems on Bainbridge Island. In addition to its operational responsibilities, KPUD contributes to regional groundwater management through monitoring, data collection, and collaboration with other agencies and stakeholders, including the City.

2.4.6 Kitsap Public Health District

KPHD is responsible for the oversight of construction and monitoring of all Group B water systems in Kitsap County as well as assisting the Washington State DOH by inspecting Group A systems with up to 100 connections (KPHD 2018). Larger Group A systems remain under the oversight of the Washington DOH. The oversight of Group B systems by KPHD includes newly required annual operating permits, recordkeeping, and water testing requirements. Sampling requirements for Group B systems include annual bacteria testing and nitrate testing every three years (Washington State DOH, no date) (KPHD 2018). In Kitsap County, Group B well systems are required to apply for an annual operating permit from the KPHD. Kitsap County has an exemption, allowing a two-party water system that meets certain criteria to qualify as a private two party well (KPHD 2018).

Permit-exempt (PE) wells, usually associated with single family homes, are also regulated by KPHD. Property owners of PE wells are responsible for testing their own water quality based on guidance from KPHD. Additional information regarding PE wells is included in the section on the Washington Department of Ecology.

KPHD is also responsible for design review, permitting, and oversight of inspection and maintenance for on-site septic systems that treat wastewater in areas outside of municipal sewer systems (Kitsap County Public Health District 2018).

2.4.6 Washington Department of Health

The Washington State Department of Health (DOH) Office of Drinking Water is responsible for oversight of public water systems. Public water systems are defined as those systems which serve more than one or two single family residence(s) or more than one industrial plant (WAC 246293110). Public water systems are grouped into Group A public water systems and Group B (Washington State DOH, no date). Washington State DOH is also responsible for oversight of large on-site septic systems (LOSS). Bainbridge Island is host to at least four of these systems.

2.4.7 Washington Department of Ecology

The Washington State Department of Ecology (Ecology) is responsible for establishing and managing water rights state-wide under chapters 90.03 RCW and 90.44 RCW, and associated laws and regulations. Chapter 90.03 RCW was adopted for surface water rights in 1917. Chapter 90.44 RCW was adopted for groundwater rights in 1945. Water rights are required for any beneficial use of surface water and for beneficial use of groundwater over 5,000 gallons per day. Permit-exempt wells constructed prior to 2018 are allowed "… any withdrawal of public groundwaters for stock-watering purposes, or for the watering of a lawn or of a noncommercial garden not exceeding one-half acre in area, or for single or group domestic uses in an amount not exceeding five thousand gallons a day, or as provided in RCW 90.44.052, or for an industrial purpose in an amount not exceeding five thousand gallons a day …" (RCW 90.44.050). Permit-exempt uses are water rights with a priority date of first use, which are not required to undergo the permit-application process. Because of incomplete records, especially for older wells, the exact number of PE wells on Bainbridge Island is not known. The current estimate for the number of these wells on Bainbridge Island is 1,700, but ranges from 1,200-2,400. A compilation of available well logs is included in Appendix G.

All water rights include attributes of priority date, source of water, location of withdrawal or diversion, place of use, purpose of use, period of use, instantaneous withdrawal or diversion rate, annual withdrawal or diversion rate and authorized

beneficial use. Water rights are managed under the prior appropriation system, also known as “first in time, first in right”. This means that older, or senior, water rights have priority over more recent, or junior, rights within the same water source so when supplies are limited, junior rights can be shut off to satisfy the senior rights. Attributes of surface water right certificates can be changed by applying to Ecology. Groundwater permits and certificates can also be changed through an application process. Water rights are issued in perpetuity although they can be relinquished after a 5-year period of non-use.

Water right permits can be issued by Ecology if a 4-part test is satisfied. The 4-part test includes:

- Water is physically and legally available for the intended use.
- Use of the water will not impair a senior water right.
- Water will be put to a beneficial use.
- Use of the water will not be detrimental to the public welfare.

For surface water uses that began prior to 1917 or groundwater uses that began prior to 1945, the water right claim process is used to register that use without specifying quantity or undergoing verification. A water right claim is therefore not the same as a water right. The water right claim must go through an adjudication process in Superior Court to establish validity and confirm attributes. There are currently 1,622 claims listed in Ecology’s water rights database for Bainbridge Island, making up 88.5% of all water right documents on the Island.

Ecology has the authority to review and approve or deny water right permit applications and will issue a water right permit that impacts a closed stream only if it is determined that the impacts to the closed stream will be fully mitigated. Streams that are closed are shown in Figure 4. A summary of water right records for Bainbridge Island is included in Table 1. As shown, the number of water right claims, yet to be adjudicated, far outnumber all other type of water right records. Most claims are for single connection domestic use from either small springs or wells.

Table 1 Water Right Documents on Bainbridge Island

Document Type	Number of Records
Certificate	190
Change Application	1
Claim	1622
New Application	1
Permit	15
Superseding Certificate	1
Superseding Permit	1
Grand Total	**1831**

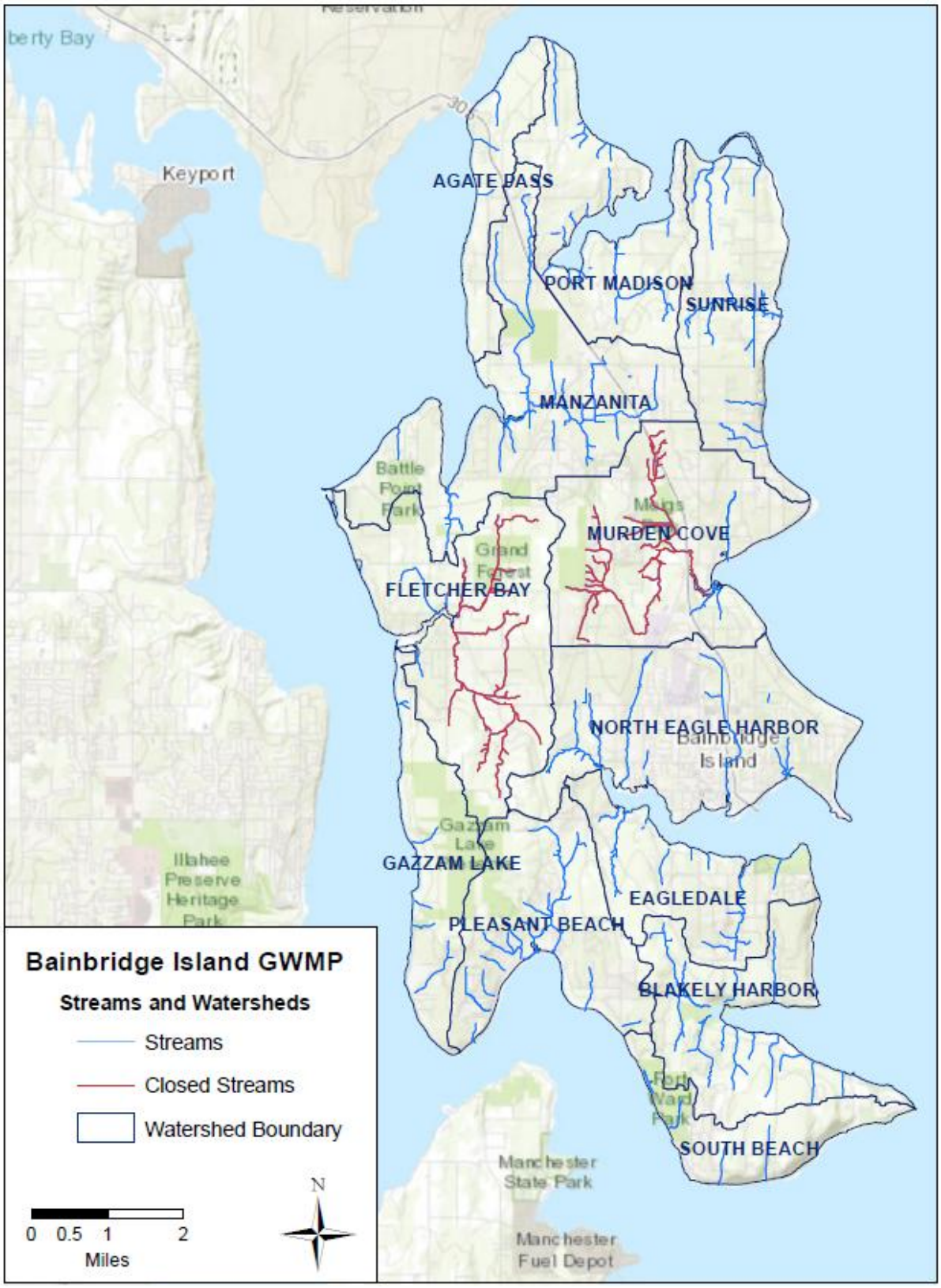


Figure 4 Closed Streams per WAC 173-515

A recent search of the Ecology water rights database (Ecology 2025) indicates about 205 active permitted and certified groundwater rights with a cumulative instantaneous rate (Qi) of 6,810 gallons per minute (gpm) and an annual quantity (Qa) of 5,118 AFY. In 2000 Kato and Warren estimated slightly different permitted and certified groundwater rights totals of 5,378 AFY. They also identified 2,183 AFY for surface water rights.

2.4.8 Washington Streamflow Restoration Act (Chapter 90.94 RCW)

The 2018 Streamflow Restoration Act (Chapter 90.94 Revised Code of Washington (RCW)) codifies the Engrossed Substitute Senate Bill 6091 which provides for response to the 2016 Washington State Supreme Court "Hirst decision." The "Hirst decision" required counties and cities to make decisions about whether sufficient water was available from both a physical and legal point of view prior to approving a building permit that relied on water provided by a permit-exempt well for domestic water supply. Prior to the "Hirst decision," counties often relied on Ecology for this determination. The Streamflow Restoration Act recognizes that permit-exempt wells may impact instream flows and requires local watershed planning efforts, including Watershed Resources Inventory Area (WRIA) 15 which encompasses all of Kitsap County, including Bainbridge Island (Ecology 2019).

The use of new PE wells that are exempt from water right permitting under RCW 90.44.050 within WRIA 15, including all of Bainbridge Island is limited after 2018 in accordance with the Streamflow Restoration Act (Chapter 90.94 RCW) and HB 6091 Section 203 (Washington State 65th Legislature 2018) which requires the following:

Maximum annual average withdrawal of 950 gallons per day (GPD) per connection (346,750 gallons per year) with a possible drought restriction of 350 GPD for indoor use only. Applicants must pay a five-hundred-dollar fee to the City prior to well connection and use.

2.4.9 National Pollutant Discharge Elimination System (NPDES) Program

Under Ecology's NPDES Municipal Stormwater General Permit program, cities that own or operate a small municipal separate storm sewer system (MS4) serving a population of 1,000 to 100,000 (based on the 1990 Census) are required to be

covered under the Phase II Municipal Stormwater Permit. Ecology issues a Western Washington Phase II Municipal Stormwater Permit and an Eastern Washington Phase II Municipal Stormwater Permit.

The City owns and operates an MS4 and discharges stormwater directly into streams, wetlands, and Puget Sound, which are Waters of the United States protected by the Federal Clean Water Act. The City's MS4 discharges have been covered by the Western Washington Phase II Municipal Stormwater Permit (Permit or Phase II Permit) since 2007. The City must comply with all Permit sections and general conditions; principally, to protect water quality, reduce the discharge of pollutants from the MS4 to the maximum extent practicable, and meet Washington State's All Known and Reasonable Treatment (AKART) requirements.

The Permit provides general and prescriptive guidance for accomplishing compliance and requires the City to develop and implement a Stormwater Management Program (SWMP). SWMP requirements continue to grow and become more stringent with each new Permit reissuance every five years.

2.5 Physical Setting

This section provides details regarding the physical setting of Bainbridge Island including topography, geology, climate, vegetation, population and land uses.

2.5.1 Topography

Bainbridge Island is approximately 3.5 miles wide (east to west) and 10.5 miles long (north to south) covering about 27.5 square miles (17,600 acres) with 53 miles of coastline. The Island is bounded by Puget Sound to the east, Port Madison Bay to the north, Port Orchard Bay to the west, and Rich Passage to the south. The Island's topography is characterized by north-south trending rolling hills with a maximum elevation of about 400 feet above sea-level (Figure 5). Eagle Harbor, located on the east side of the Island, is the largest of several bays around the Island. There are also numerous harbors, coves, and lagoons. Coastline topography varies from flat to gently sloping to steep, nearly vertical cliffs particularly on the southern and eastern portions. Offshore topography to the west varies from the relatively shallow (approximately 25 ft deep) Agate Passage to the northwest to Port Orchard Bay (up to 130 ft deep). Puget Sound is the deepest (over 800 ft in some areas).

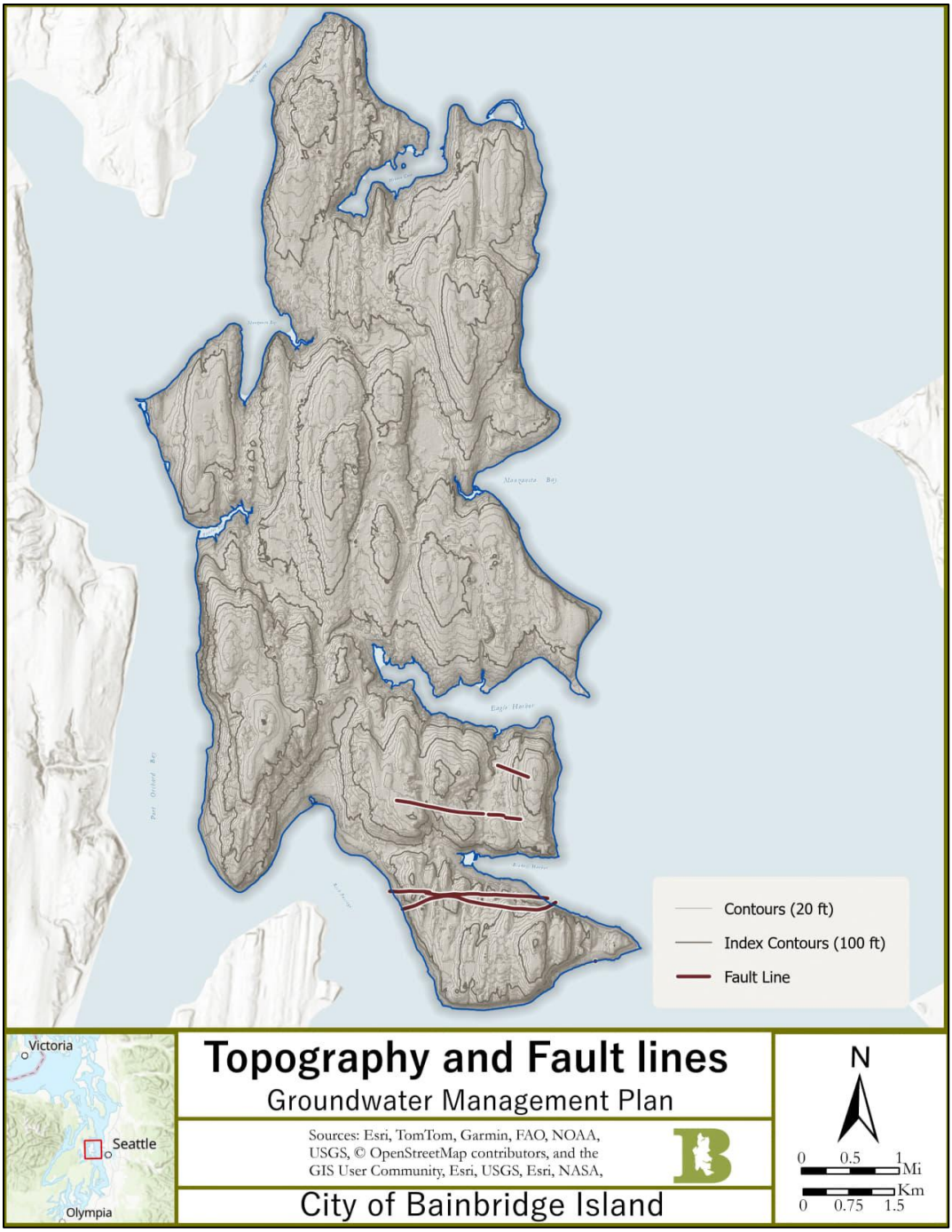


Figure 5 Bainbridge Island Locale and Topography

2.5.2 Geology

The Puget Sound Lowland is a structural basin formed and influenced by tectonic and glacial processes over millions of years. The convergence of the San Juan de Fuca plate with the more buoyant North American plate results in a subduction

zone along portions of the western coast of North America. These tectonic processes have resulted in the uplift of the Cascade Range, the formation of the Olympic Mountains, and major fault zones. Sediments from these areas eroded by water and glacial processes were and continue to be deposited into this lowland area (Jones 1999).

Bainbridge Island can be divided into two distinct geologic regions. The southern portion is composed of sedimentary bedrock approximately thirteen to thirty million years old. The central and northern portion is underlain by a complex sequence of unconsolidated sediments laid down during the last 300,000 years. The abrupt change to shallow bedrock in the southern portion is associated with vertical displacement along the Seattle fault zone (Figure 6).

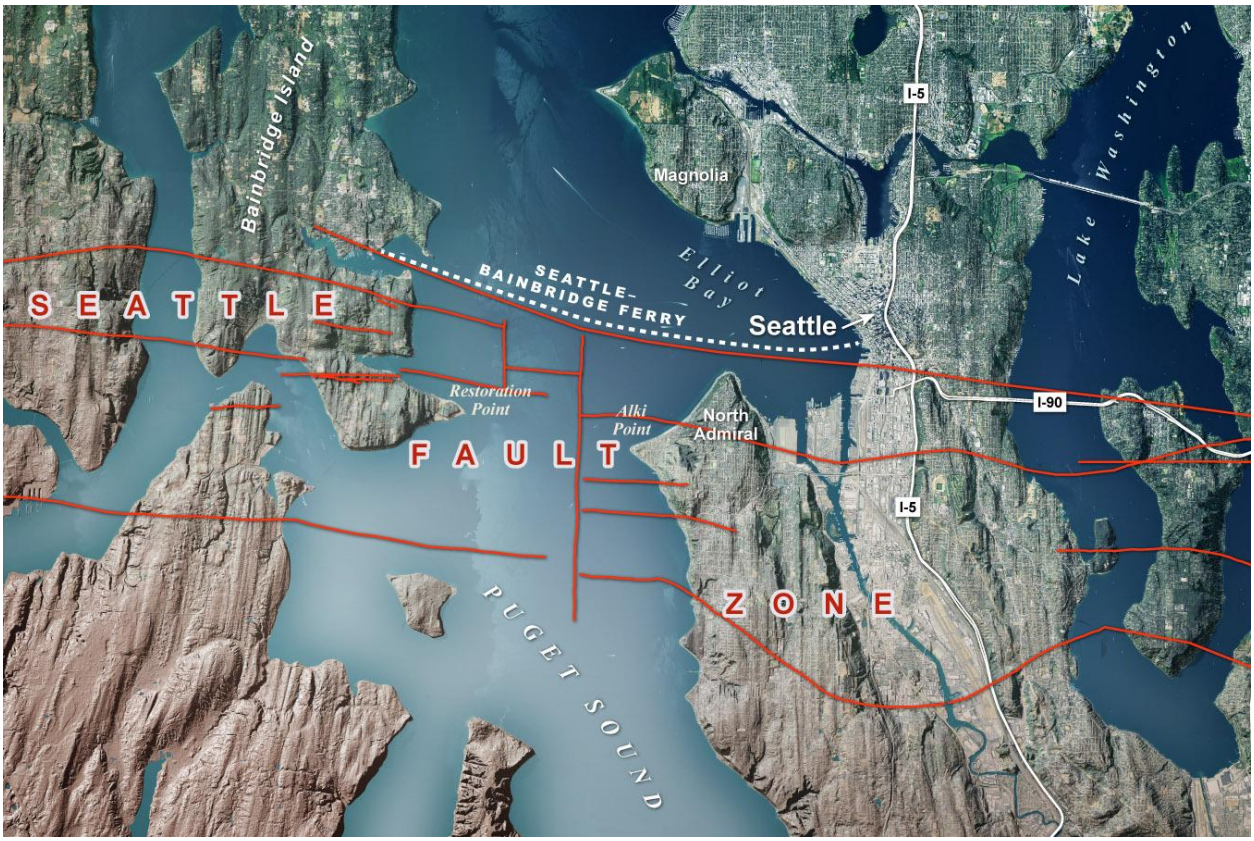


Figure 6 Seattle Fault Map

Source: WA Department of Natural Resources

Glacial advances and retreat coupled with changes in sea level has resulted in a complex mix of unconsolidated deposits. Due to the dynamic nature of glacial

environments, the thickness and lateral continuity of these deposits vary considerably across the Island. Most of the lower layers likely extend further to the west under Agate Passage and Port Orchard to the Kitsap Peninsula (Jones 1999).

The sediments laid down by meltwater from advancing or retreating glaciers tend to be coarse-grained (mostly sand and gravel). Where saturated, these deposits often yield groundwater in sufficient amounts to be considered a "good aquifer". The other common glacial deposit is till, which is generally composed of a wide range of sediments (silt, sand, and gravel), compacted and is lower in permeability than outwash. Non-glacial deposits are made of up sediments carried and deposited by rivers, streams to and from wetlands, lakes, and ponds, along the coast, in estuaries, and in offshore environments (Frans *et al.* 2011).

Most of the thicker and more extensive non-glacial deposits underlying Bainbridge Island tend to be fine-grained and deposited in offshore environments. Like glacially deposited sediments, sediments in these non-glacial deposits range in size from clay to gravel. The coarser-grained layers also can yield enough water to be considered aquifers. It is worth noting that these are generalizations, and each deposit can contain a wide variety of materials, permeability, connectivity or hydraulic conductivity, and suitability as aquifer material (Frans *et al.* 2011).

2.5.3 Climate/Rainfall

Bainbridge Island is characterized by warm dry summers and cool wet winters with average temperature ranging from 39°F in the winter to 64°F in the summer and annual average precipitation of about 42 inches per year (COBI 2022c).

2.5.4 Vegetation

Prior to logging in the 1850s, Bainbridge Island was likely almost entirely covered in mixed evergreen forest, with pockets of deciduous trees in wetter or previously disturbed areas. Logging began in the 1850s and continued as large-scale clearing and sawmilling operations well into the 1920s, removing most of the Island's old-growth forests. In the decades that followed, particularly by the early 1920s, much of the cleared land transitioned to agricultural use, including strawberry fields and pastureland. After World War II, as agricultural activity declined, much of this land was left fallow and naturally regenerated, primarily with Douglas-fir, forming the basis of today's second-growth forests (Sheridan Consulting 2015). These forests

now support a diverse mix of evergreen and deciduous species and a varied understory. Additional residential development continues today, allowing for additional clearing. The forested areas that remain—including large tracts protected by the Bainbridge Island Land Trust and other private holdings—are, in many cases, more ecologically complex than in the years following the initial clear-cut era.

2.5.5 Population

The total population of Bainbridge Island in 2020 was 24,825, up from about 8,500 in 1970 (Figure 7). Winslow, the Island's designated town center has a population of approximately 3,200, and additional smaller designated centers include Lynwood Center, Island Center, and Rolling Bay. While these areas represent the Island's higher-density and primary commercial zones, most residents live outside of them, dispersed across lower-density neighborhoods and rural areas. In 2010, single-family housing made up approximately 81% of the Island's housing units, with multi-family homes at 16% and mobile homes at 3% (COBI 2017). The "Conservation Area," which comprises roughly 90% of the Island's land area is zoned for lower-density residential development.

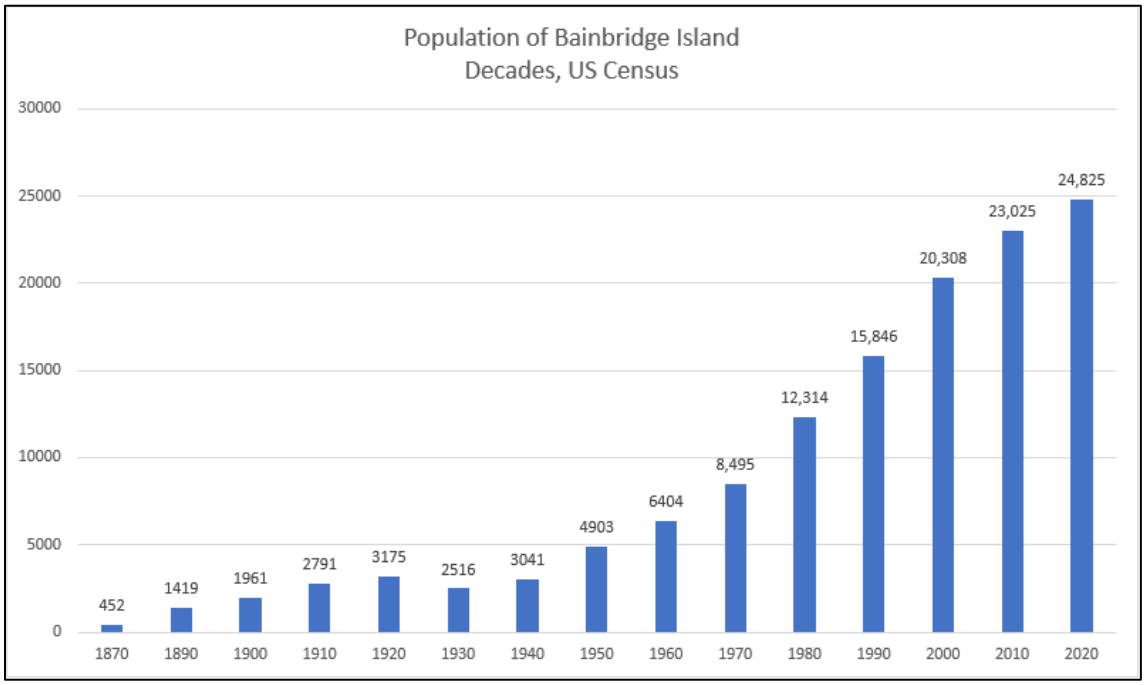


Figure 7 Bainbridge Island Population 1870 to 2020

Source: U.S. Census

Bainbridge Island is primarily a residential community with 75% residential land use; forest, agriculture, parks/recreational lands comprise 15%. The remaining 10% of land is used for transportation (6%), commercial/industrial (2%) and public facilities (2%) (COBI 2017). Building trends on Bainbridge Island reflect its predominantly residential character, with construction peaking in the late 1980s and gradually declining in recent years (Figure 8) indicating a maturing community with limited space for new development and an increasing emphasis on managing growth within existing land use patterns.

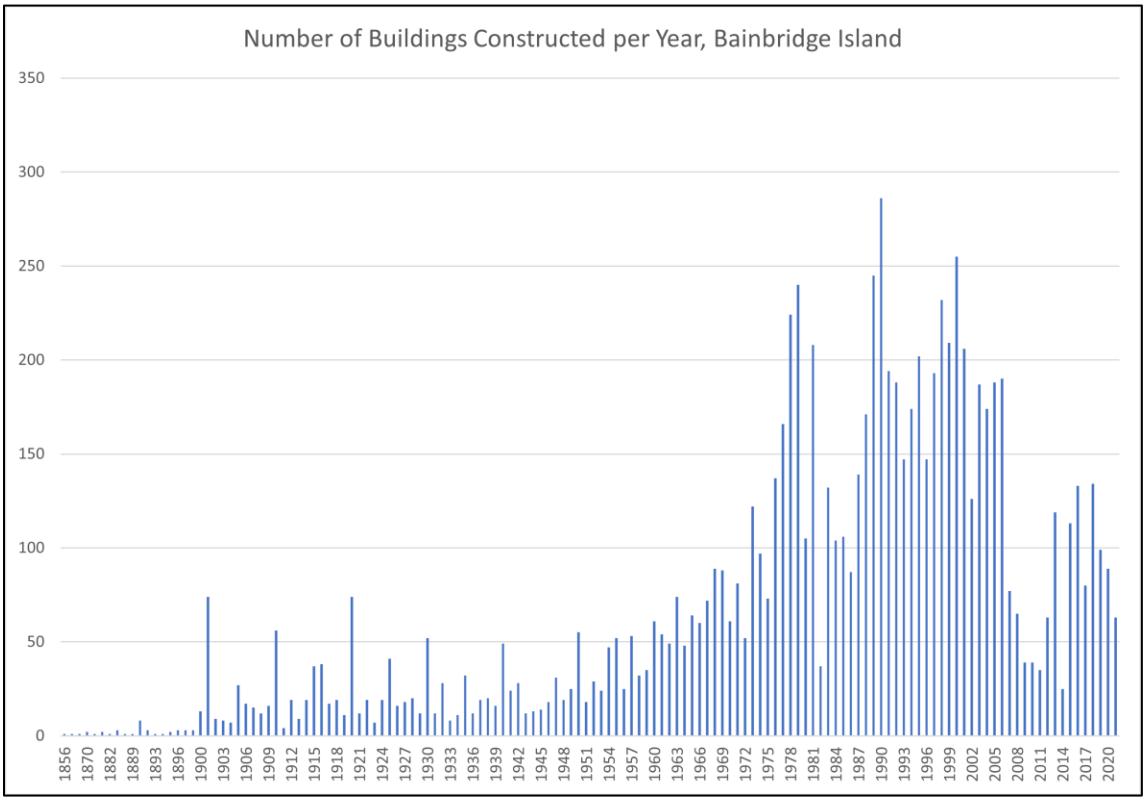


Figure 8 Number of Buildings Constructed on Bainbridge Island per Year

Source: Kitsap Parcel Data

2.5.6 Surface Water Resources

Water resources on Bainbridge Island consist of surface water, groundwater, and stormwater. These resources are often managed and regulated separately; however, they are inextricably linked.

There are 12 watersheds on the Island with wetlands of various sizes located throughout (Figure 9). Surface water drainage generally occurs via small spring-fed streams that discharge to Puget Sound. The streams are both perennial (approximately 30%) and seasonal (approximately 70%), and perennial streams are fed by springs and seeps in the upper watersheds. There are some surface water diversions for irrigation. Small ponds such as Meig's Pond, which was historically used for irrigation, are also found throughout the Island.

Streams in the Murden Cove and Fletcher Bay watersheds (Figure 4) are closed to further water right appropriations by Chapter 173-515 WAC except for a few exemptions. As such, these streams have no water legally available for new water rights and are protected from proposed future groundwater or surface water withdrawals that require water rights. This closure includes proposed water withdrawals directly out of the streams and groundwater withdrawals that would cause a reduction in streamflow. Because of this, any new groundwater rights or changes to existing rights, including adding new wells, or changing the place of use through interties may require mitigation for streamflow impacts before being approved.

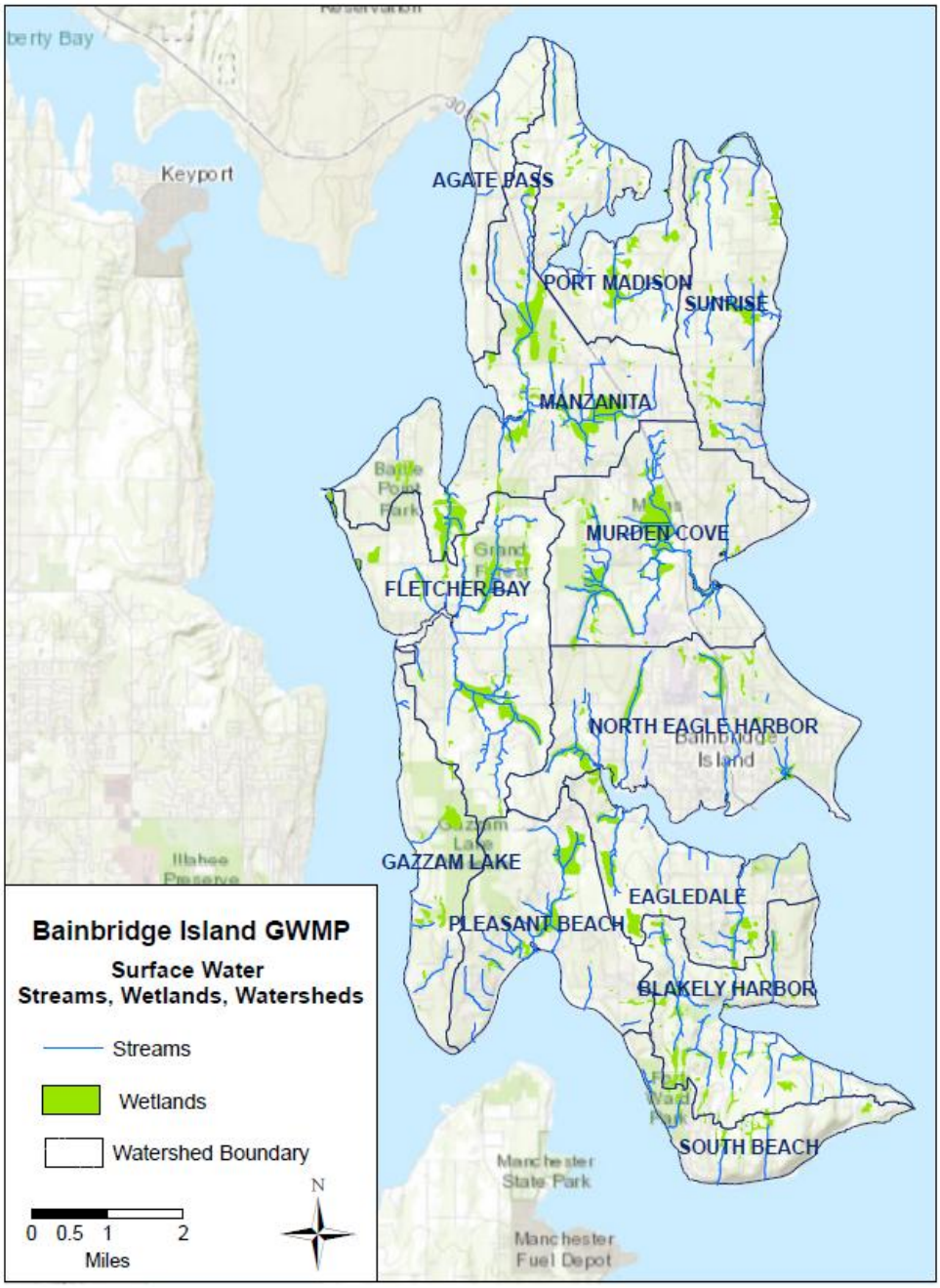


Figure 9 Bainbridge Island Surface Water (Streams, Wetlands, and Watersheds)

Stormwater runoff on Bainbridge Island is managed through a combination of built infrastructure and natural systems, such as wetlands and streams, working together to reduce the discharge of pollutants to Puget Sound. The built infrastructure consists of closed and open conveyances such as pipes and ditches, catch basins, and collection facilities such as detention/retention ponds and bioswales for flow-control and treatment. Most of the built infrastructure is

operated and maintained by the City while the rest is operated and maintained by private owners and entities.

2.6 Hydrogeology

2.6.1 Aquifers and Confining Units Underlying the Area

Most of the Kitsap Peninsula is underlain by unconsolidated geologic deposits similar in hydrogeologic characteristics and sequence to those underlying Bainbridge Island. (Unconsolidated deposits are comprised of clay, silt, sand and gravel that allow water to flow in pore space between grains). The available evidence suggests that deeper aquifers may extend from Bainbridge Island to the Kitsap Peninsula while the shallow aquifers are unconnected, as shown in Figure 10

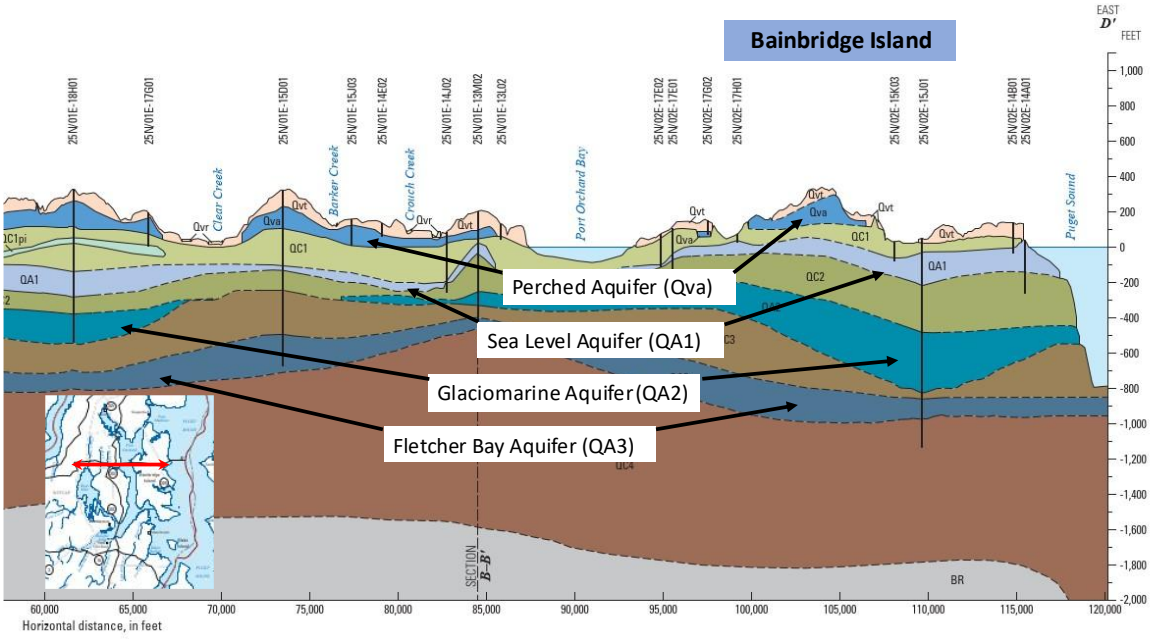


Figure 10 Cross-section of Hydrogeologic Deposits underlying Eastern Kitsap County

Source: Modified from Welch, Frans, and Olsen 2014

Generally, the glacial deposits make up the more productive aquifers underlying Bainbridge Island, and the non-glacial deposits, which are generally finer grained, make up the lower permeability layers or confining units between overlying and

underlying aquifers. The exception to this is glacial till, which is generally more fine-grained and often compacted.

The major aquifers underlying Bainbridge Island are briefly depicted below in order of increasing depth. The illustration (Figure 11) also depicts the complex interlayering of aquifers and confining units. The red arrow depicts the location on the Island of the cross-section or 'slice' through the underlying sediments shown in the diagram.

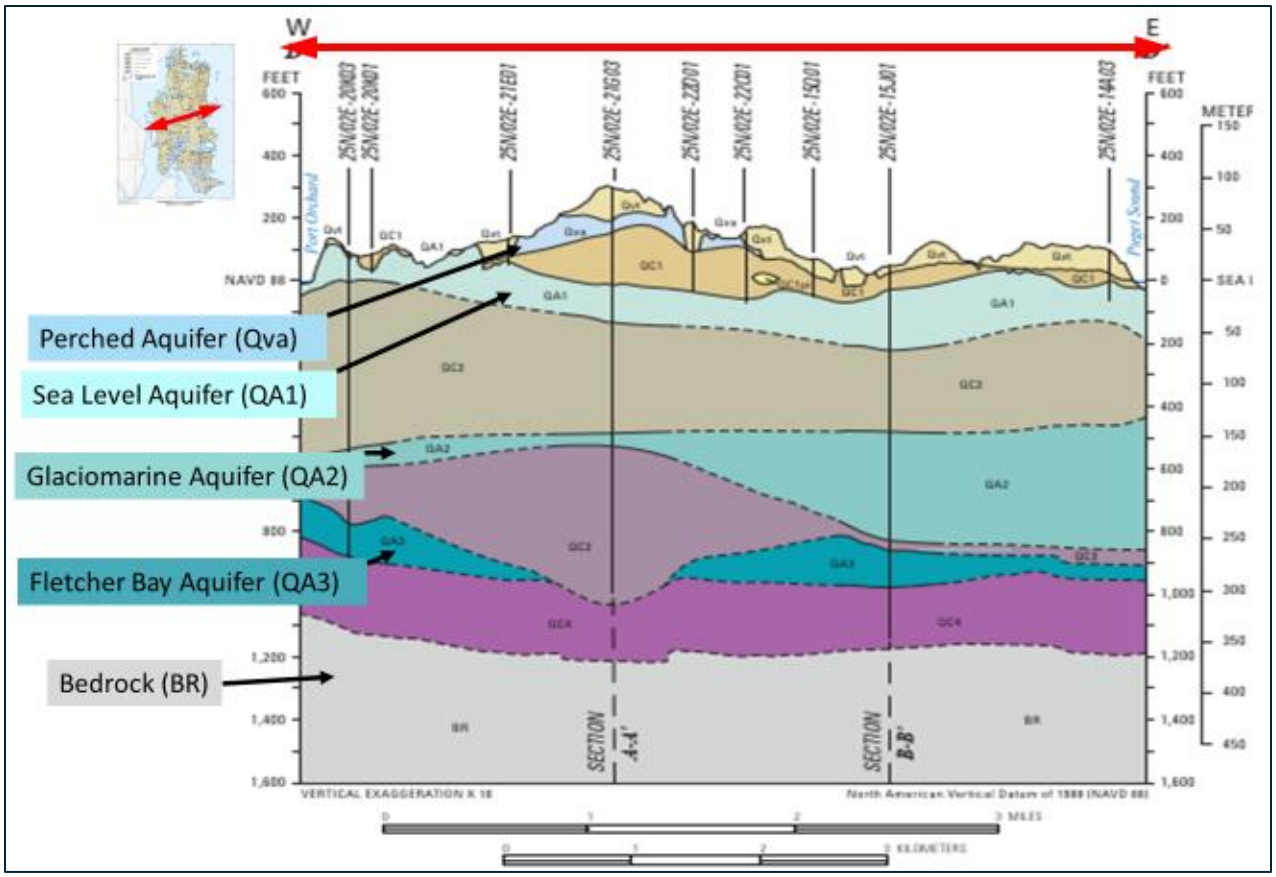


Figure 11 Cross-Section of Hydrogeologic Deposits underlying Bainbridge Island

Source: Modified from Frans et al. 2011

Perched Aquifer (identified as Qva in Figure 11) - The Perched Aquifer is comprised predominantly of Vashon Advance glacial outwash (Qva). The top of the aquifer ranges from sea level to more than 300 feet above mean sea level, with a thickness of 20 to 200 feet. The Semi-Perched Aquifer exists within permeable interbeds (QC1pi) of the upper confining unit (QC1) which is found below the

Perched Aquifer. The top of the Semi-Perched Aquifer ranges from sea level to more than 200 feet above sea level, with a thickness of 10 to 50 feet.

Much of the area previously mapped as SPA by KWRN 2000 was reclassified as PA by USGS when developing the Bainbridge Island groundwater model (Frans *et al*. 2011). These aquifers are utilized by predominantly domestic wells, and about 29% of wells are completed in these aquifers.

Though "Perched Aquifer" is used as a common name for the Vashon Advance Aquifer it should be noted that the terms "Perched Aquifer" and "Semi-Perched Aquifer," have specific technical definitions in hydrogeology that imply hydraulic disconnection between shallow and deeper layers caused by an underlying unsaturated zone. There is no clear evidence that these layers are perched on Bainbridge Island. None of the groundwater models for Bainbridge Island treat these as perched or semi-perched aquifers. These shallow aquifers are hydraulically connected to deeper aquifers in the groundwater models described in Section 5.

Sea Level Aquifer (identified as QA1 in Figure 11) - The Sea Level Aquifer (QA1) is extensive, widely used, and mostly confined by QC1. The top of the aquifer ranges from 200 feet below to 200 ft above sea level, with a typical thickness of 25–200 feet. About 53% of wells are completed in this aquifer.

Glaciomarine Aquifer (identified as QA2 in Figure 11) - This aquifer consists of water-bearing units within a thick sequence of fine-grained glaciomarine deposits (QA2). The top of the aquifer ranges between more than 500–300 feet below sea level, with a typical thickness of 20–300 feet. Several of Bainbridge Island's production wells and at least four domestic wells are completed in this aquifer, representing about 2% of wells.

Fletcher Bay Aquifer (identified as QA3 in Figure 11) - This aquifer (QA3) is the deepest identified aquifer on Bainbridge Island. Several high-capacity production wells are completed in this aquifer. The top of the aquifer ranges between more than 900 to slightly less than 600 feet below sea level, with a typical thickness of 50–300 feet. While representing only about 1% of wells on Bainbridge Island, the metered KPUD and City wells provide approximately 30% of the estimated total Island groundwater production.

Bedrock Aquifer (identified as BR in Figure 11) - Less than 1% of the wells on Bainbridge Island are completed in the sedimentary Blakely Harbor and Blakely formations on the south end of Bainbridge Island which form this aquifer.

The simplified terminology for the aquifers is summarized in Table 2.

Table 2 Aquifer Terminology

Name	Abbreviation
Perched Aquifer or Vashon Advance	Qva or PA
Semi-Perched Aquifer or Permeable Interbeds	QC1pi or SPA
Sea Level Aquifer	QA1 or SLA
Glaciomarine Aquifer	QA2 or GMA
Flecher Bay Aquifer	QA3 or FBA
Bedrock Aquifer	BR

2.6.2 Groundwater Flow

In confined aquifers groundwater flows from areas of higher water pressure (greater hydraulic potential) to areas of lower water pressure (lower hydraulic potential). In an unconfined aquifer, the interface between the unsaturated and saturated zone is called the water table. Unconfined groundwater flow is usually more directly influenced by precipitation and recharge. In a confined aquifer, all the aquifer material is saturated and groundwater flows in response to changes in water pressure (Frans *et al.* 2011).

The direction of groundwater flow can be measured by performing water level measurements in wells across an area. The depth to water for each well is converted to altitude above sea level by subtracting the water level measurement from a known measuring point elevation for that well. The water altitude measurements can then be illustrated on a map, like ground surface elevations on a topographic map. In an unconfined aquifer, the map of water altitude measurements identifies the water table. In a confined aquifer, the map of water altitude measurements is termed the 'potentiometric surface' (Frans *et al.* 2011). The surface of the water table and the potentiometric surface in confined aquifers

are not static and can change horizontally and vertically over time in response to precipitation, well pumping, etc.

Groundwater flow directions in the generally unconfined/semi-confined PA/SPA and confined SLA were mapped by the U.S. Geological Survey based on groundwater levels measured in 86 wells during a 2-week period in August 2007 (Figures 12 and 13). This method is applicable for wells completed in the same aquifer but generally does not apply when dealing with wells completed in different aquifers.

There was insufficient information to construct groundwater flow maps for the Glaciomarine Aquifer (GMA) and Fletcher Bay Aquifer (FBA), given only a few wells are completed in each aquifer (Frans *et al.* 2011). Generally, groundwater in the upper aquifers (PA/SPA and the SLAs) flows from the center of the Island towards the shoreline with downward flow in the center of the Island and upward flow at the shoreline.

Groundwater levels across the Kitsap Peninsula were also measured in autumn 2010 and used to map groundwater flow directions (Welch *et al.* 2014). It should be noted that evidence for the connection of these aquifers between Bainbridge Island and the rest of the Kitsap Peninsula is not conclusive. Groundwater flow in the shallow aquifer (PA and SPA) follows a similar pattern noted in the August 2007 data.

The rate of groundwater flow depends on the hydraulic conductivity or permeability of the sediment or bedrock. The hydraulic conductivity or permeability is a measure of the interconnectedness of the pore spaces in the sediment or bedrock. The rate of groundwater flow also depends on the slope or gradient of the water table or potentiometric surface. This relationship is characterized by Darcy's Law. Given the layered nature of the aquifer and confining hydro-stratigraphic units, it can be reasonably assumed that horizontal hydraulic conductivity is much larger than vertical conductivity (Welch *et al.* 2014). Groundwater flow in these types of layered systems is typically horizontal in aquifers and vertical in confining units.

Table 3 shows the range of hydraulic conductivity values for key aquifers on Bainbridge Island. These values reflect how easily groundwater can move through

each unit. The Qva and QA1 aquifers have the highest values, indicating they are the most productive and important for water supply. In contrast, deeper units like QA2 and bedrock (BR) have much lower conductivity, meaning they transmit water more slowly and may have limited yield. These differences help guide water resource planning and groundwater modeling.

Table 3 Summary of Hydraulic Conductivity Values on Bainbridge Island

Unit	**No of Wells**	**Minimum** (ft/d)	**Median** (ft/d)	**Maximum** (ft/d)
Qva	90	0.70	37	13,000
QC1pi	7	7.4	13	750
QA1	159	0.20	22	8,100
QA2	14	0.18	5.4	87
QA3	7	5.2	26	60
BR	4	0.0043	2.8	5.7
QC	3	3.8	4.9	7.7

Notes:
Ft/d: feet per day
Qva: Perched Aquifer
QC1pi: Semi-Perched Aquifer
QA1: Sea Level Aquifer
QA2: Glaciomarine Aquifer
QA3: Fletcher Bay Aquifer
BR: Bedrock Aquifer
QC: Confining Layer
Source: Frans et al. 2011

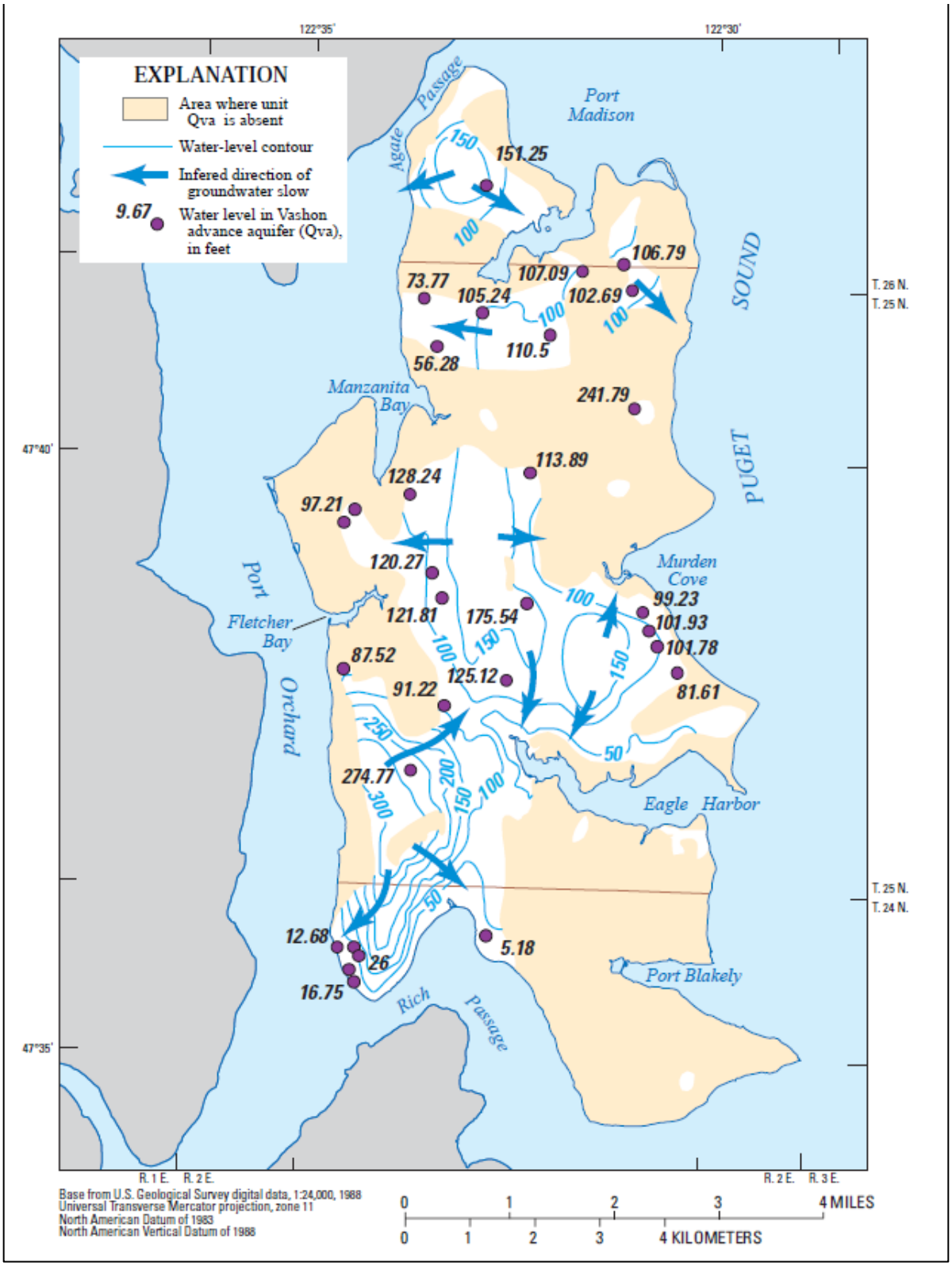


Figure 12 Groundwater flow direction, Perched/Semi-Perched Aquifer (Qva)

Source: Frans et al. 2011

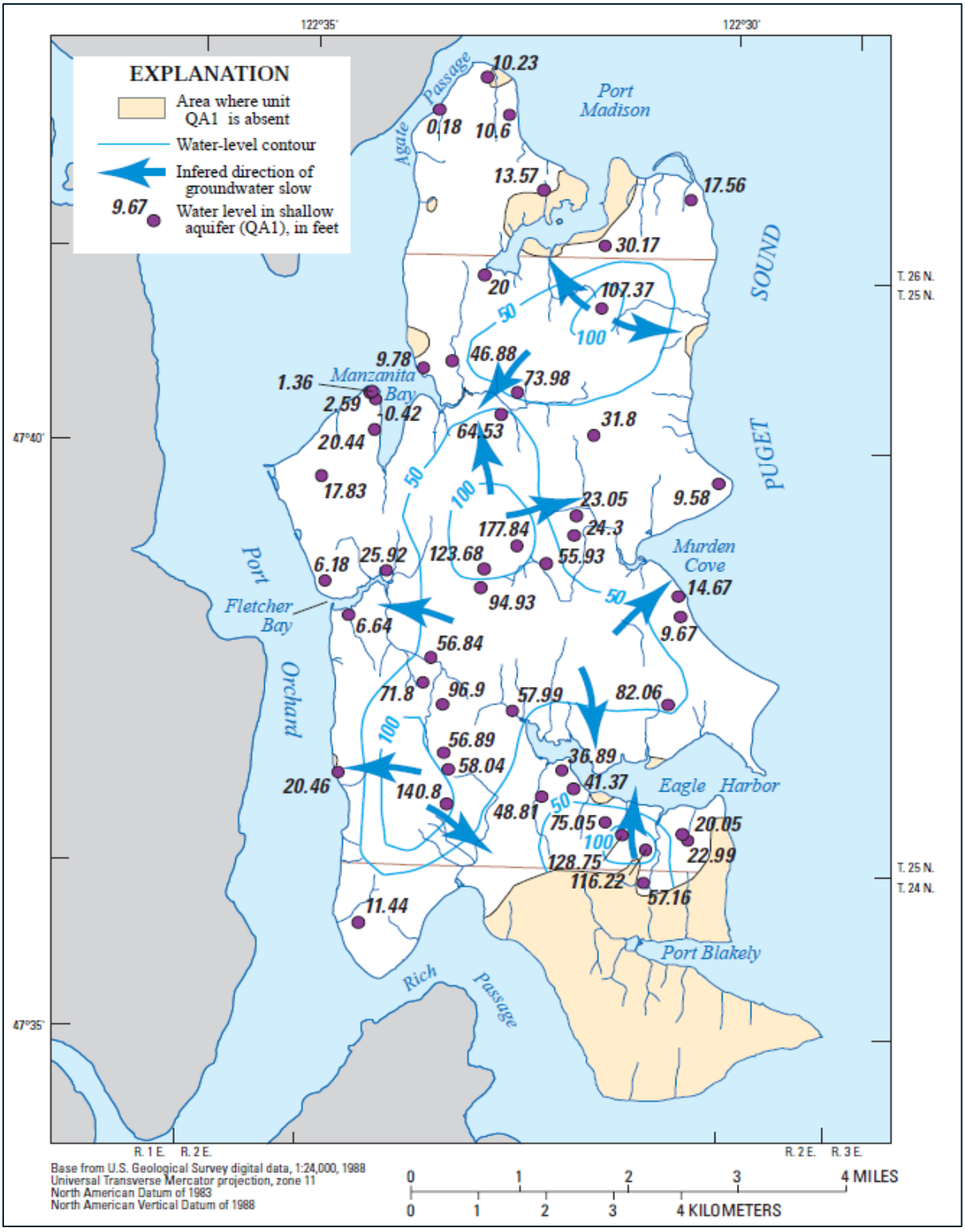


Figure 13 Groundwater flow direction, Sea Level Aquifer (QA1)

Source: Frans et al. 2011

These figures illustrate the extent of each aquifer within a regional perspective; with yellow shading indicating it is not present (Welch *et al.* 2014). The generally radial flow pattern outward from the interior of Bainbridge Island for PAs/SPAs and SLA is similar to what was mapped in 2007.

2.6.2 Location of Recharge/Discharge Areas

On Bainbridge Island, groundwater recharge from precipitation has been characterized by Welch, Frans, and Olsen (2014). Recharge is correlated with precipitation and thus, varies yearly. Monthly recharge values developed by USGS were incorporated into the groundwater models that have been developed for Bainbridge Island, as described in more detail in Section 5. Precipitation values in 1982 were close to annual averages. As an example, Figure 14 illustrates the annual recharge patterns for 1982 that were used in the EA groundwater model (EA, 2025). As shown, annual average recharge values range between 0 and 17 inches with the majority of the Island experiencing 6-8 inches of recharge or 14-19 % of annual rainfall. In Section 6.3 a range of recharge values from various references is presented and it is notable that the values shown in Figure14 are on the low end of this range.

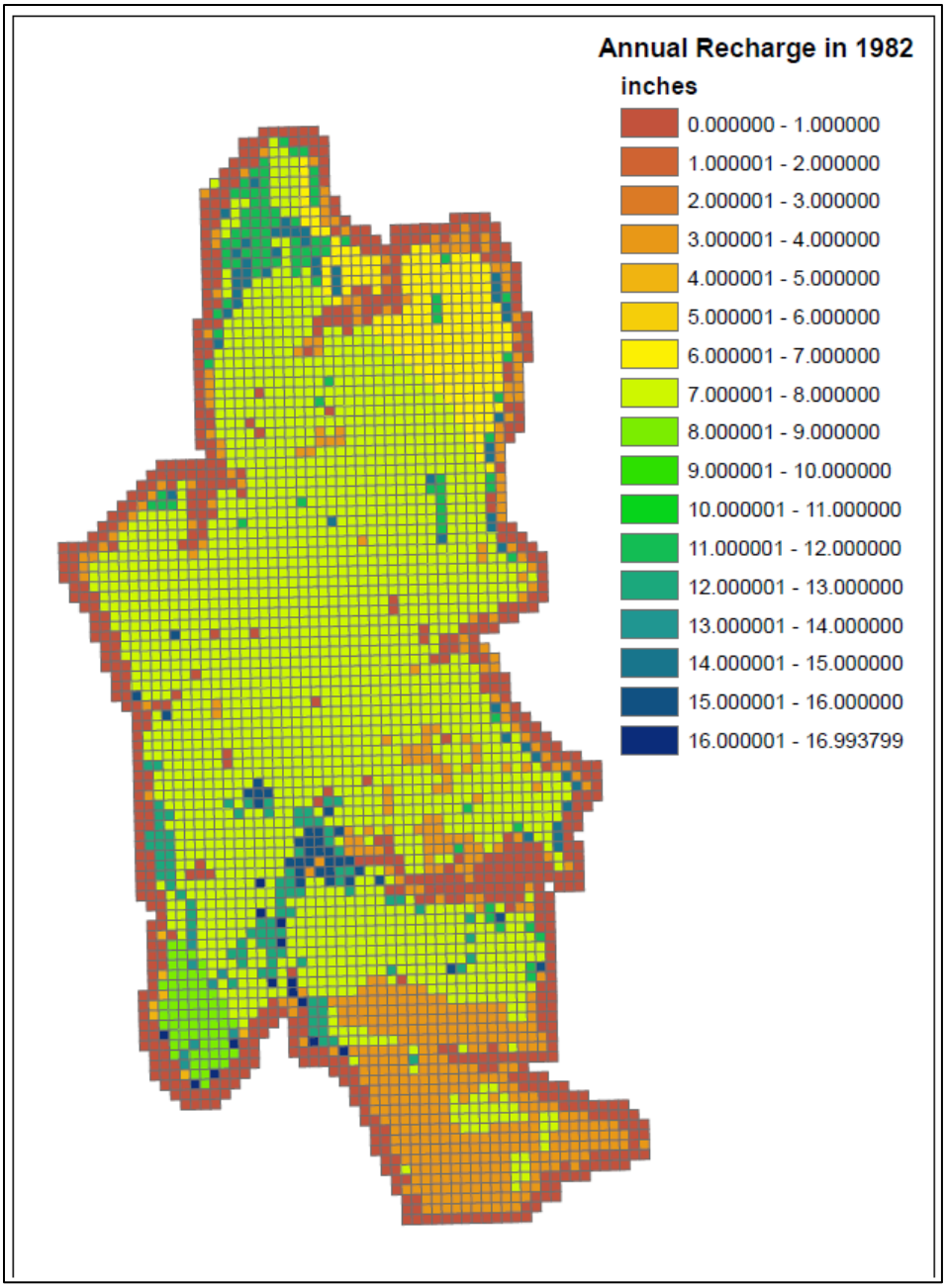


Figure 14 Average Annual Recharge from Precipitation, Bainbridge Island

Source: EA 2025

2.7 Groundwater Quality

2.7.1 General Groundwater Quality

Groundwater contains a variety of naturally occurring dissolved substances. Generally, sodium, magnesium, calcium, chloride, bicarbonate, silicon, carbonic acid and sulfate constitute the largest concentrations (Freeze and Cherry 1979). Minor

constituents include boron, carbonate, fluoride, iron, nitrate, potassium, and strontium. Trace amounts of metals such as arsenic, copper, lead, and manganese are also commonly found. Minor amounts of dissolved organic matter as measured by dissolved organic carbon also is commonly found in natural groundwater (Freeze and Cherry 1979). Dissolved gasses such as nitrogen, oxygen, carbon dioxide, methane, hydrogen sulfide, and nitrous oxide can also occur in groundwater.

The concentrations of these and other constituents found in Bainbridge Island groundwater depend on characteristics of the precipitation falling on the ground that percolates downward to the groundwater. Additionally, groundwater quality depends on the kinds of materials (sediments and/or bedrock), the chemical and physical properties of those materials that the water flows through as well as the chemical properties of the groundwater itself. These concentrations can vary naturally over time and from location to location. Human-induced changes to groundwater quality can stem from use of fertilizers, malfunctioning on-site septic systems, leachate from landfills, improper storage or disposal of chemicals, waste chemicals, fuel oil and gasoline, among other things.

Groundwater quality for Bainbridge Island was assessed as part of the City's Level II Assessment (KWRN 2000). This assessment included sampling results from over 200 water supply wells (both public and private) held in the KPUD testing program from 1990 to 1994, Bremerton-Kitsap County Health Department, U.S. Geological Survey Bainbridge Island Study ((Dion *et al.* 1988), USGS and Kitsap County Groundwater Management Plan (Kitsap County Ground Water Advisory Committee, and others 1991). General water quality parameters were used in this assessment: chloride, specific conductivity, iron, manganese, and nitrate. Specific conductivity and chloride levels were used as indicators of seawater intrusion. Iron and manganese are naturally occurring and were used to indicate aesthetic quality. Elevated nitrate concentrations can indicate contamination from on-site septic systems, animal waste, and /or fertilizer application. Most samples were taken as a one-time event, so no water quality trends were established.

Based on the data evaluated during the Levell II Assessment, the general quality of groundwater on Bainbridge Island was good; most wells met State drinking water standards except for occasional high iron and manganese concentrations (KWRN

2000). A review of water quality data in the State Department of Health's Public Water System Water Quality database, Sentry, indicates that groundwater quality on the Island remains high quality with no major violations in drinking water standards. In general groundwater on Bainbridge Island is characterized as soft to moderately hard, with harder water being higher in dissolved minerals, primarily calcium and magnesium (Dion, Olsen, and Payne 1988).

Chloride concentration and specific conductivity have been monitored by the City of Bainbridge Island's Groundwater Monitoring network since 2008 and is discussed further in section 4.1

2.7.2 Public Water Supplies; Water Quality

Public water supplies are regulated by primary and secondary drinking water contaminants, along with State Action Levels (SALs), that clarify the significance of reported water quality results and regulatory exceedances. Primary contaminants are regulated with enforceable Maximum Contaminant Levels (MCLs) based on potential health risks, and are established to protect public health over both short- and long-term exposure. Secondary contaminants, by contrast, are associated with aesthetic concerns—such as taste, odor, and appearance—and have non-enforceable guidelines known as Secondary MCLs (SMCLs). While not health-based, these standards help ensure water remains palatable and acceptable to consumers. In addition, some contaminants that do not have federal MCLs may be regulated at the state level under SALs, which are often based on emerging health risk assessments or regional water quality concerns. Given that most of the MCL exceedances noted—aside from arsenic and coliform—fall under secondary standards, and some parameters are regulated by SALs.

Across Bainbridge Island, Group A water systems are owned and operated by various entities, including the City, KPUD, Washington Water Service, and Northwest Water Systems. While most systems consistently meet all primary MCLs, several have reported elevated concentrations of naturally occurring elements such as iron and manganese. These constituents are common in groundwater systems and are generally regulated under SMCLs due to aesthetic concerns rather than health risks. While their presence can be problematic for consumers, they are not considered harmful at the concentrations typically observed. Arsenic is another naturally occurring element that may be found at low levels in some wells.

Monitoring helps ensure arsenic levels remain below the MCL of 0.010 mg/L. Sodium, which lacks a formal federal MCL, is evaluated under the EPA's Health Advisory Level of 20 mg/L and Washington's State Action Level. While sodium concentrations above this level may be a concern for individuals on low-sodium diets, they are not generally regulated for the broader population.

The City (as a Group A water system) supplies drinking water to the Winslow and Fletcher Bay areas via the Winslow Water System and the Rockaway Beach area via the Rockaway Beach Water System (COBI 2022a), serving approximately 6,000 residents. These systems meet all federal and state primary Maximum Contaminant Levels (MCLs), which are set to protect public health. However, some sources have shown exceedances of non-health-based secondary MCLs (SMCLs), which are intended to address taste, color, and odor issues. For example, the Sands Avenue wells have exceeded the EPA sodium Health Advisory Level and the color SMCL, and some wells have reported elevated manganese. The Winslow Water System Water Quality Report (2020) also noted low levels of arsenic—below the federal MCL—and potential for lead due to household plumbing, which is typical for many older systems.

Other systems, particularly those using older infrastructure or shallow sources, have historically experienced aesthetic issues or sample exceedances, but in most cases, follow-up monitoring, treatment, or decommissioning has addressed these concerns. For example, the Ferncliff Water System—previously noted for arsenic and manganese—was decommissioned in late 2024 following the City's extension of a new water main to serve the area.

2.8 Water Budget

A water budget is an explicit accounting of the inputs and outputs of the groundwater system. For the Bainbridge Island groundwater system, groundwater outputs include:

- groundwater flow to surface water systems like streams and wetlands
- groundwater flow to Puget Sound
- groundwater pumping from wells.

Groundwater inputs include:

- recharge from precipitation: the portion of rainfall that percolates below the root zone of plants and into the aquifer below.
- return flow from groundwater pumping: some fraction of water pumped out of the ground returns through septic systems, system leakage and downward percolation of excess irrigation.
- groundwater flow from Kitsap Peninsula.

If outputs exceed inputs, then groundwater storage declines. If this state persists, the groundwater system becomes depleted. This is an example of an unsustainable state of the groundwater system. A goal of groundwater management is to manage the groundwater system such that over the long-term outputs from the groundwater system are balanced by inputs, and groundwater levels are maintained such that unacceptable environmental, social, and/or economic consequences are avoided. Past analyses on the water budget and its components are discussed in Chapter 6.

Based on the latest modeling by Keta Waters, this is the current understanding of the most basic water budget components:

Inputs to the aquifer system come from:

- Precipitation on the Island 85%
- Recharge on Kitsap Peninsula 8%
- Septic Systems on the Island 7%

The outputs from the aquifer system are to:

- Wetlands and Streams 51%
- Marine Water, Puget Sound 38%
- Well Pumping 11%

3. Development and Environmental Impacts on Groundwater Quality and Quantity

3.1 Land Uses

The way in which humans alter and use the land affects how water enters the aquifer system to become groundwater and what quality the water is once it reaches the aquifer.

3.1.1 Residential

Residential land uses are divided into two main categories: Single Family and Multi-Family.

Single Family Residential (SFR)

Bainbridge Island is primarily a residential community, currently with 75% of the land developed for residential purposes (COBI 2017). Rural residential zoning is more extensive and allows for a range of housing density, from one house per 2.5 acres up to two houses per acre (R0.4, R1.0 and R2.0 zones) and makes up 90% of the area. The only development permitted in these areas is residential, mostly single family, detached housing, and most of which utilize on-site septic systems for domestic wastewater disposal. These septic systems recharge the aquifer but have potential to contaminate groundwater if not managed properly.

Outdoor irrigation associated with single family residential development is 80-90% consumptive, meaning it does not immediately become recharge but either becomes evaporation or evapotranspiration via plant uptake. In the Kitsap peninsula region, it has been estimated that on average, SFRs irrigate 3,400 square feet of landscaping per parcel (Ecology 2024).

Since the 1990s stormwater mitigation for residential development impacts such as roofs and driveways has been required to help reduce impacts from impervious surfaces inherent in land development. Recent research suggests that current mitigation requirements and low-impact development (LID) techniques have started to achieve the goal of mimicking natural hydrology, including recharge, on developed sites (King County 2023).

Multi-family Residential

Of the residential land use on the Island (75% of the Island) multi-family housing, like apartment and condominium buildings, only make up less than 1% of the Island's area.

Winslow has the highest density of multi-family residential land use, with about 15% of the water system connections designated as multi-family in 2015. In 2010 Island-wide, multi-family housing made up about 16% of total housing units (COBI 2017). Typically, multi-family developments are served by a sewer system that treats wastewater at a wastewater treatment facility, discharging to the Puget Sound.

Water use per multi-family unit is typically about half the use per SFR unit, with multi-family units averaging 77 GPD and SFRs averaging 185 GPD. This difference is largely due to the difference in size of the landscaping per unit with SFR having significantly more landscaping requiring irrigation than multi-family units.

Stormwater flow control and treatment facilities for multi-family residential developments are typically required to be engineered due to their large size and scope. This engineering requirement also triggers an annual inspection requirement via the City's Stormwater Management program. In contrast, SFR development is not typically required to have engineered stormwater mitigation facilities or be inspected annually.

3.1.2 Commercial/Industrial

Commercial and industrial development comprises only 2% of Bainbridge Island's land use, yet their potential impact on groundwater resources is substantial. Development activities associated with commercial and industrial land uses, such as clearing, grading, and the expansion of impervious surfaces significantly alter natural groundwater recharge processes (COBI 2024). When development leads to soil compaction and increased impervious surfaces, it fundamentally changes natural drainage patterns, resulting in higher stormwater runoff rates and volumes while simultaneously reducing groundwater infiltration (COBI 2024). In addition to development impacts, commercial and industrial uses are more likely than residential uses to consume water resources and produce wastewater. Some of

the largest users of water on the City's Winslow water system are commercial grocery stores. Some of the highest concentrated wastewater discharges come from light industrial uses such as wineries and breweries.

Similar to residential development, commercial land uses prior to the 1990's were not required to mitigate stormwater runoff, but since then mitigation requirements have grown more comprehensive. Modern commercial developments do not create the same negative groundwater impacts as older developments that lack stormwater mitigation facilities

3.1.3 Agricultural

Agriculture along with logging were the main industrial activities on Bainbridge Island in the mid-1800s (COBI 2024). While that is no longer the case, groundwater is still utilized for agricultural purposes such as irrigation. Agricultural activities pose potential risks to groundwater through the storage, use, and disposal of various materials including fuel, fertilizers, pesticides, and herbicides. These substances can impact groundwater quality if not properly managed.

Bainbridge Island Municipal Code discourages the use of pesticides and the few that are permitted are subject to regulations ensuring the chemicals do not contain carcinogens and are not hazardous to humans or wildlife as designated by the EPA (BIMC 16.30). The Washington State Department of Agriculture has a pesticide waste disposal program where agricultural pesticides are collected and properly disposed of free of charge.

Currently agricultural uses make up about 5% of the land use on Bainbridge Island (KCD 2024) declining from about 6% in 1999 (Kato 2000). Irrigation for agriculture comes from both groundwater and surface water and is highly variable depending on the crop type. Crops such as grapes require little to no irrigation, while vegetable crops can demand significant amounts. Water right certifications, applications and permits exist for many parcels on the Island including three City-owned farms.

3.1.4 Recreational Parks

Recreational areas and parks form a significant part of Bainbridge Island's landscape, managed mainly by the Bainbridge Island Metro Park and Recreation District (BIMPRD), which oversees over 1,600 acres across the community (BIMPRD,

2026). These areas, including athletic fields, trails, and landscaped open spaces, provide important social and ecological benefits. However, their operation presents notable risks to groundwater quality and quantity, necessitating proactive management strategies to preserve the Island's Sole Source Aquifer.

A primary concern is the use of fertilizers, pesticides, and frequent irrigation needed to maintain sports fields and other park features. Improper application or overuse of these chemicals, particularly ahead of rainfall, can result in runoff or leaching that introduces pollutants to groundwater and surface water. Many of the pollutants present in park maintenance, like certain pesticides or soluble fertilizers, are difficult to remove once they enter the water system and can adversely affect both public health and environmental quality (SWMMWW, 2024).

Additionally, a number of restroom facilities within parks depend on on-site septic systems. If these systems are inadequately maintained or are inappropriately sited, they can fail and allow nutrients or pathogens to seep into the groundwater. The City and KPHD address these risks by requiring proper management of stormwater runoff to avoid contamination near drainfields (SWMMWW, 2024).

To safeguard groundwater, the City and Park District implement best management practices such as minimizing chemical applications, enforcing proper hazardous material storage and disposal, maintaining vegetation buffers, and conducting regular inspections of septic and irrigation systems (SWMMWW, 2024). Ongoing education for park staff and the community reinforces the importance of sustainable landscaping and pollution prevention. These concerted efforts aim to ensure that recreational amenities continue to enhance community well-being without compromising the quality or sustainability of the Island's vital groundwater resources.

3.1.4 Open Space/Passive Recreation Areas

Since the establishment of the all-Island city in 1991, the City and other community stakeholders have made a concerted effort to establish a broad network of dedicated open spaces. To date, 323 acres of open space have been established for the purposes of conservation, preservation, and recreation. These open spaces, and other currently undeveloped open spaces, significantly influence water quality

and environmental conditions through various mechanisms such as infiltration and recharge, reduced runoff and erosion, and natural filtration.

3.1.5 Transportation Infrastructure

The City has approximately 280 lane-miles of paved roads for transportation purposes (6% of total land area) which create over 500 acres of impervious surfaces that affect groundwater recharge patterns. Stormwater runoff from these surfaces is managed through a combination of built infrastructure and natural systems. A majority of the roadways were constructed prior to the establishment of stormwater regulations that require management facilities for flow control and water quality treatment. Therefore, roadways are a significant contributor to increases in runoff and pollution, as well as altered drainage patterns that disrupt natural flow patterns and recharge processes.

3.1.5 Landfills

Bainbridge Island, Washington, has a legacy of landfill and industrial sites that have significantly influenced groundwater and stormwater systems. The most prominent is the closed Bainbridge Island Landfill, where historical waste disposal activities led to the contamination of groundwater with volatile organic compounds (VOCs). Since groundwater serves as a primary source of drinking water on the Island, this posed serious public health concerns. To mitigate these impacts, the site was capped with a landfill cover system to reduce water infiltration, and stormwater control structures—such as ditches and detention ponds—were installed to manage runoff and prevent further leaching of contaminants. Regular monitoring of groundwater, surface water, and landfill gas continues to ensure the site remains stable.

3.1.6 Hazardous Waste Storage

Bainbridge Island does not have permanent facilities for hazardous waste storage. Residents are advised to utilize the Kitsap County Household Hazardous Waste Collection Facility in Bremerton for disposal of items such as adhesives, antifreeze, nail polish, paints, and stains. Previously, Kitsap County held biennial household hazardous waste collection events on Bainbridge Island. However, these events have been discontinued with plans to open a new collection facility in North Kitsap in late 2026. For specific items, the Bainbridge Island Transfer Station accepts certain hazardous materials under their specialty recycling program, including

motor oil, filters, antifreeze, automotive batteries, household batteries, scrap metal, and compact fluorescent lamps. However, they do not accept commercial or other hazardous waste.

3.1.7 Contaminated and Cleanup Sites

According to the Ecology Toxics Cleanup website (Ecology 2022b) localized areas of soil/groundwater contamination have been identified on Bainbridge Island at 64 sites (as of June 2022) and are mapped on Figure 15. A complete list, including details regarding 25 sites designated as ‘cleanup started’ or ‘awaiting cleanup’, are summarized in Appendix J.

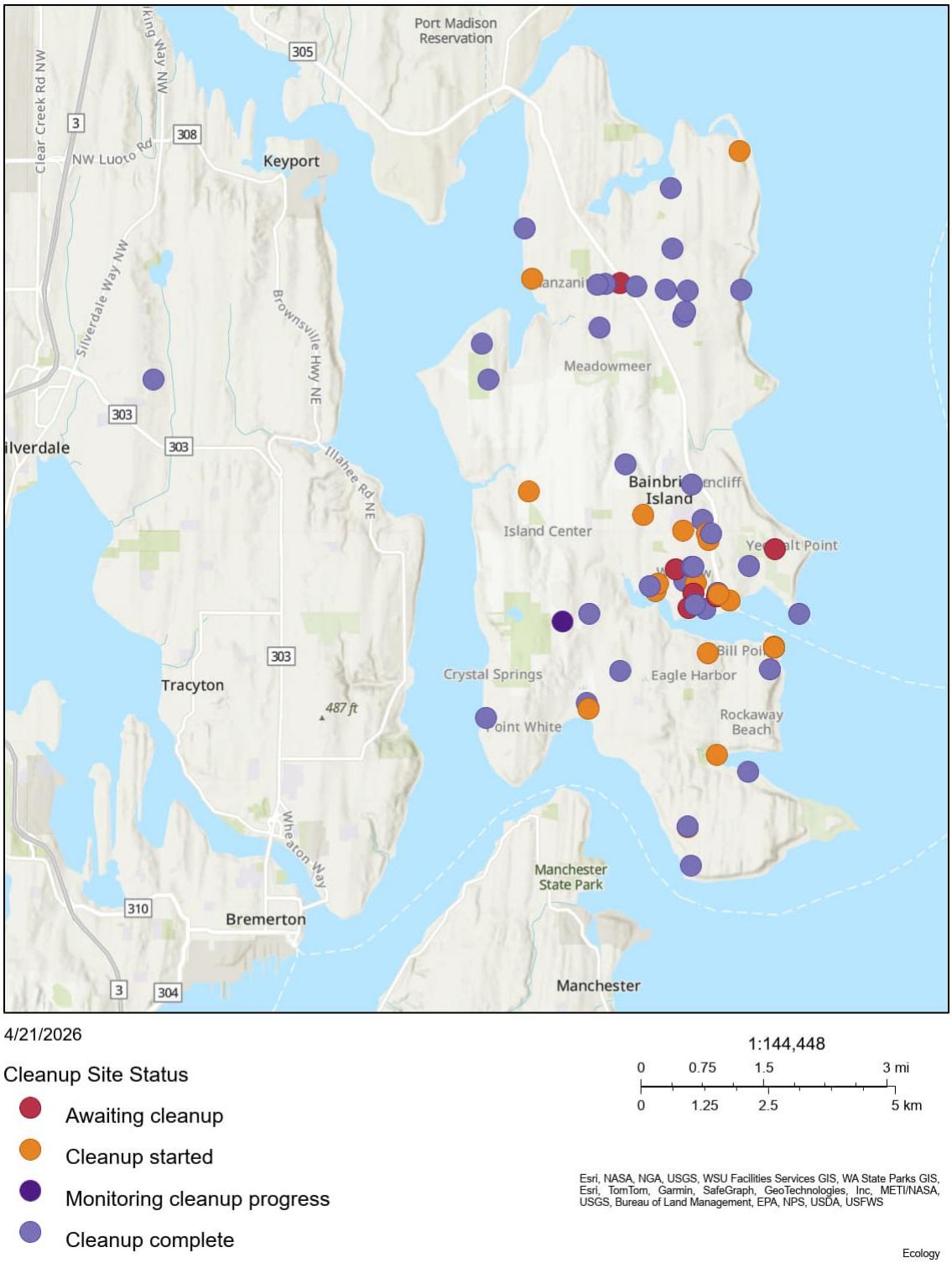


Figure 15 Map of Contaminated Sites

Source: WA State Department of Ecology: What's in My Neighborhood Map 2024

Of these sites, less than 10 have activity recorded in the last five years and have potential for significant impact on groundwater. These include:

Bainbridge Island Landfill (Vincent Road). The site was acquired by Kitsap County in 1942 and several parties operated the property as a landfill until 1975 accepting domestic waste as well as waste from Wyckoff wood treatment facility and petroleum products. The site was listed on the Ecology Hazardous Sites List in 1992. Contaminated waste was removed from the site in 1992/93. A 1999 Remedial Investigation determined nature and extent of contamination remaining in soil and groundwater including volatile organic compounds. Additional contaminated material was excavated, and remaining materials were covered with a soil cap in 2001. Groundwater monitoring continues. Manganese concentrations have been identified as the only elevated constituent of concern which may indicate leachate and or landfill gas impacts. An investigation of elevated manganese concentrations is in progress.

Clean Center (290 Madison Avenue N). The site was operated as an on-site dry-cleaning facility from 1982 to approximately 1990 (Environmental Associates, Inc. 2009). Subsurface soil and groundwater investigations have identified chlorinated solvent impacted soil and perched groundwater possibly extending off-site (Environmental Associates, Inc. 2021). The site was enrolled in the Washington State Department of Ecology Voluntary Cleanup Program in 2021 and is awaiting further action.

Fletcher Bay Mart (8800 Fletcher Bay Road). The site has been used for retail service station since 1979 (Environmental Associates, Inc. 2008). The first investigation of the site in 1992 identified petroleum hydrocarbons in soil at concentrations exceeding cleanup levels (Environmental Associates, Inc. 2008). The site was enrolled in the Washington State Department of Ecology Voluntary Cleanup Program and was terminated from the program in 2020 due to inactivity. The latest available report (2018 Annual Groundwater Monitoring and 2019 Semi-Annual Remediation System Report prepared by Environmental Partners, Inc. 2019) indicates that groundwater remediation including removal of non-aqueous phase liquid (petroleum product that is not dissolved in the water) and groundwater remediation to clean up gasoline contaminated groundwater is in progress.

Wyckoff Eagle Harbor Superfund Site (EPA 2022). The Wyckoff Eagle Harbor Superfund Site encompasses 50 acres of nearshore and upland area along the southeastern shoreline of Eagle Harbor extending into Eagle Harbor (approximately 100 acres). The site was operated as a wood-treating facility beginning in the early 1900s; prior to that part of the site was used a brickyard to manufacture wooden tiles in the late 1800s (CH2M HILL 1989). Prior to 1981, site process wastewater was discharged to an onsite seepage basin and sludge was buried on site. Wood treating activities continued at the site until 1988. In 1984, EPA required Wyckoff company to investigate soil and groundwater at the site. Several removal actions of contaminated soil and sediment were undertaken in the 1990s. The property is currently owned by the City (purchased in 2004). The site was added to the National Priorities List (NPL) of Superfund sites in 1987. For remediation purposes, the site is divided into four operable units (OUs):

OU1 – East Harbor Operable Unit. Comprised of intertidal and subtidal sediments of Eagle Harbor contaminated with creosote and other wood-preserving chemicals released from the former Wyckoff facility

OU2 – Soils Operable Unit. Includes contaminated surface soil and structures associated with the Former Process Area of the Wyckoff facility

OU3 – West Harbor Operable Unit. Upland areas, intertidal and subtidal contaminated sediments associated with the former shipyard operations on the north shore of Eagle Harbor

OU4 – Groundwater Operable Unit. Includes contaminated subsurface soil and groundwater associated with operations at the Wyckoff facility.

Cleanup activities have been completed or are ongoing at all four OUs. The remedy for soil and sediment associated with the West Harbor OU3 included placing a cap over the impacted sediments. The remedy is functioning as designed and no further work is planned.

The cleanup activities at the Wyckoff wood treating facility soil and groundwater are in progress. The current cleanup strategy includes groundwater extraction and treatment to address release of contaminants into Eagle Harbor. This strategy includes a perimeter sheet pile wall and groundwater extraction and treatment

system. These remedies have not stopped release of contaminants into the lower aquifer beneath the Former Process Area and into the intertidal sediments along the East Beach and North Shoal (Figure 16).

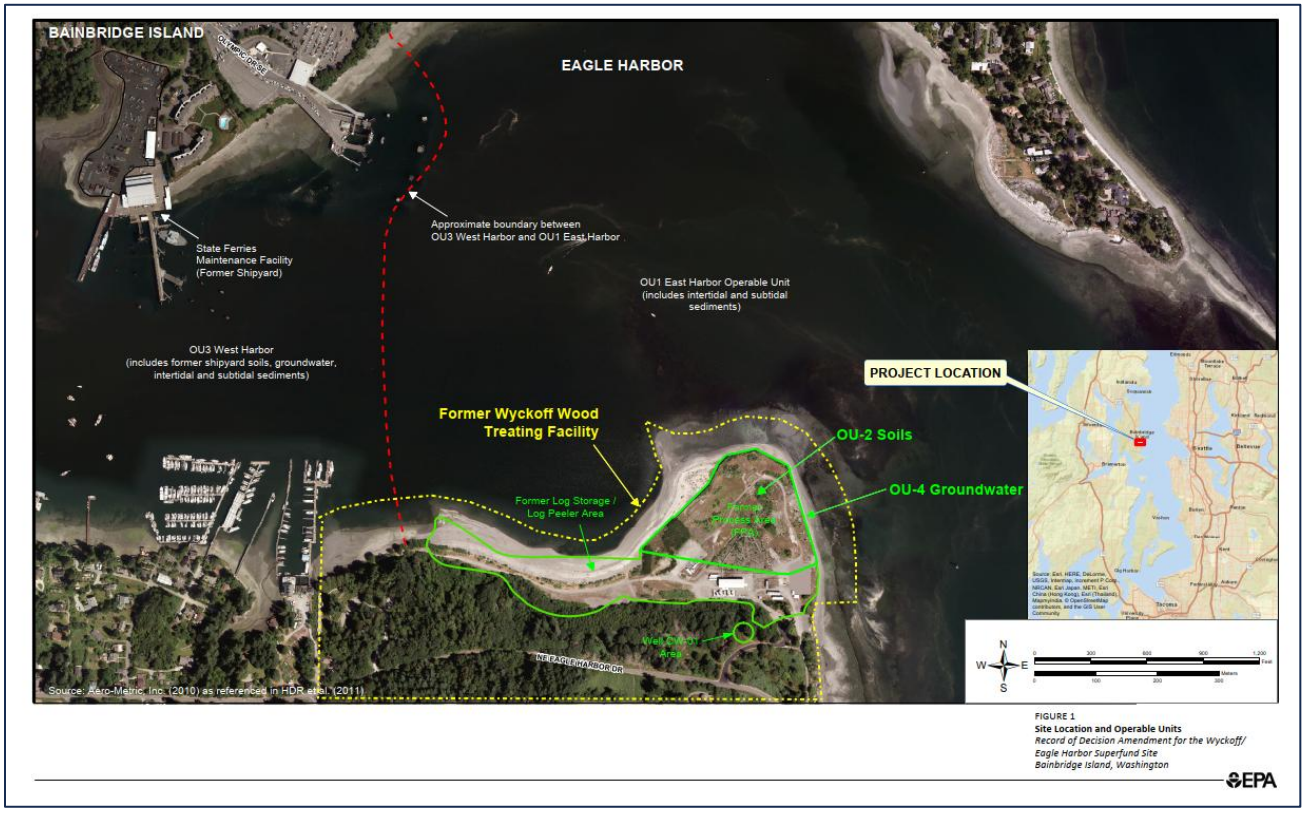


Figure 16 Operable Unit Locations of the Wyckoff/Eagle Harbor Superfund Site

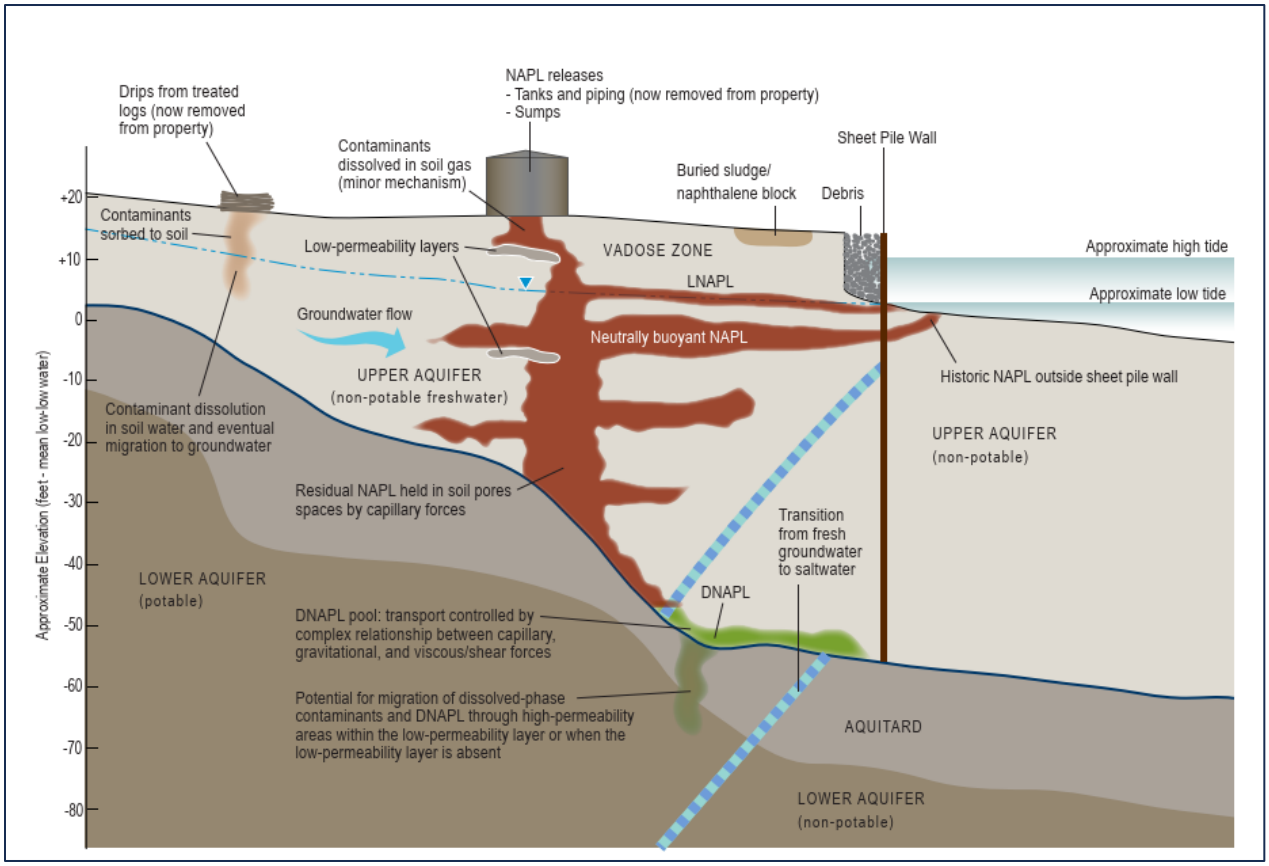


Figure 17 Conceptual Site Model of Contamination at the Wyckoff Superfund Site

3.2 Public Water and Wastewater Systems

3.2.1 Water Systems

Bainbridge Island's public water infrastructure consists of a network of systems serving its residential and commercial needs (Figure 18). The Island hosts 33 active Group A water systems and 146 active Group B water systems, collectively serving a population of 28,914, including Island residents and visitors. Group A systems are the primary water providers, supplying approximately 71% of the Island's total water use, followed by private PE wells at 24%, and Group B systems at 5% (Figure 19). This distribution mirrors the service population, with Group A systems serving the majority and community-type Group A systems alone reaching 71% of the population (EA 2025).

Details on the Group B water sources can be found in Appendix F.

Figure 18 Bainbridge Island Water Systems Map

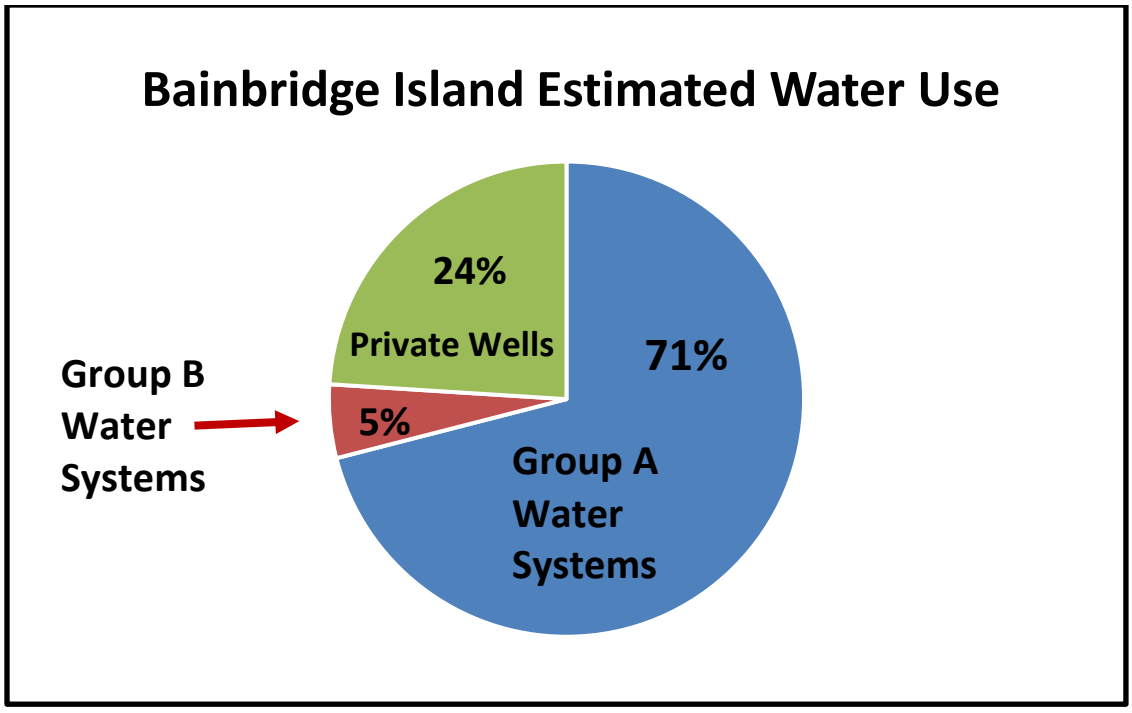


Figure 19 Bainbridge Island Estimated Water Use

3.2.1.1 City of Bainbridge Island Water System

The City operates two group A water systems, the Winslow Water System and the Rockaway Beach Water System. The Winslow Water System service area, shown in Figure 20 serves water to the historic Winslow and Fletcher Bay areas. The system consists of a High Pressure Zone and a Low Pressure Zone. Water is treated with chlorine and fluoride at each well before being pumped into the High Pressure Zone distribution system to supply customers and fill the two active storage reservoirs near the high school.

The system is served by six active pressure reducing valve stations. Storage is provided by one High School Reservoir in the High Zone with a total capacity of 2.5 million gallons (MG). The High School Reservoir supply the High Pressure Zone by gravity when the wells are not operating. The Department of Health has determined eight of the eleven wells have a low risk of contamination while the remaining three have a moderate or high risk of contamination. A wellhead protection plan and an active cross connection control program help protect the water system from contamination. The water system has sufficient water rights to last well into the future. The current limiting source capacity of the water system is approximately 1,750 gpm or 2.52 MG/day. This is the supply capacity of the

system's well sites with the smaller of the two Sands booster pumps pumping (Carollo 2017). It should be noted that by the end of 2026, the smaller and older of the City's two reservoirs will have been demolished, and active storage replaced by a 2.5 MG steel pedestal tank. Implementation of the tank resulted in the creation of a third pressure zone that impacts areas of Winslow and the Fletcher Bay neighborhood.

The Rockaway Beach Water System serves customers along Rockaway Beach Drive NE on the south side of Eagle harbor. The system consists of the Taylor Avenue Well, a treatment facility, the Creosote Reservoir, and distribution system, the locations of which are shown in Figure 21. After rehabilitation in 2022, the capacity of the Taylor Avenue well is approximately 67 gpm.

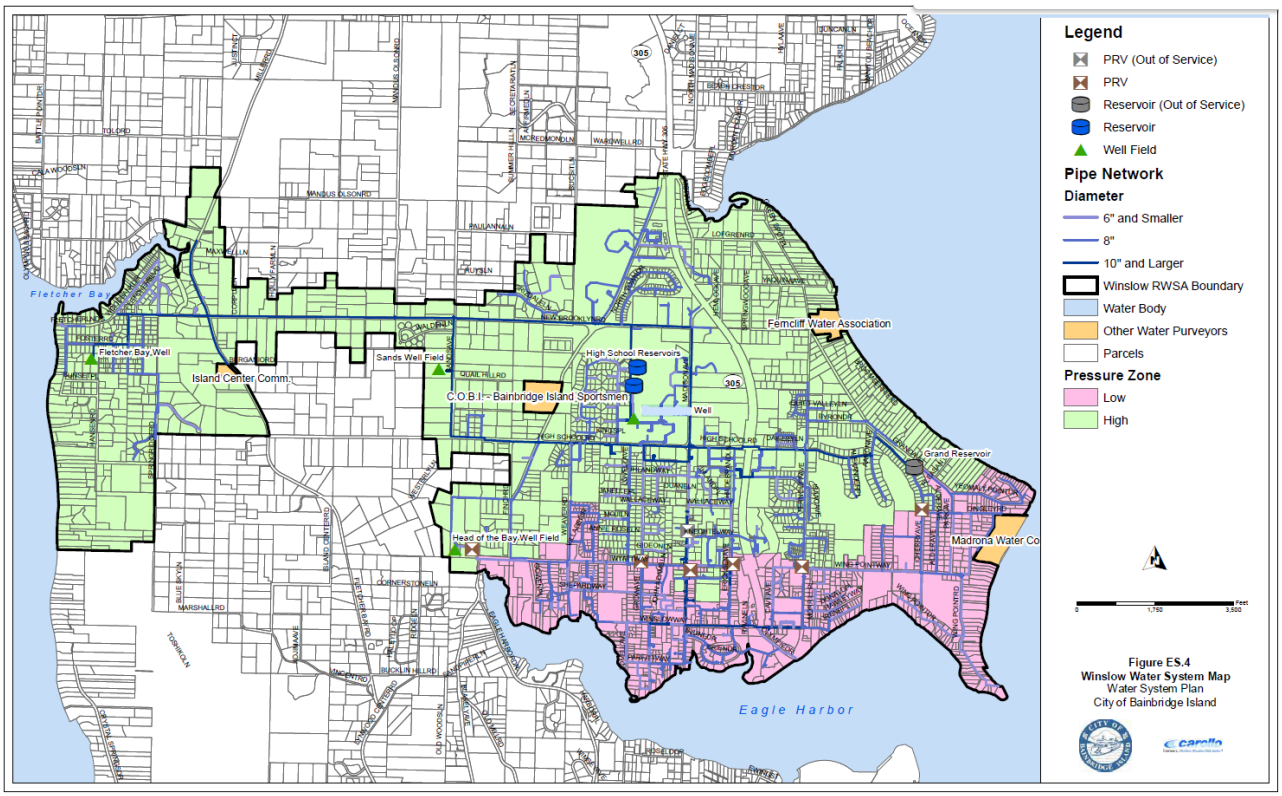


Figure 20 Winslow Water System Map

Source: Carollo Engineers, Inc. 2017

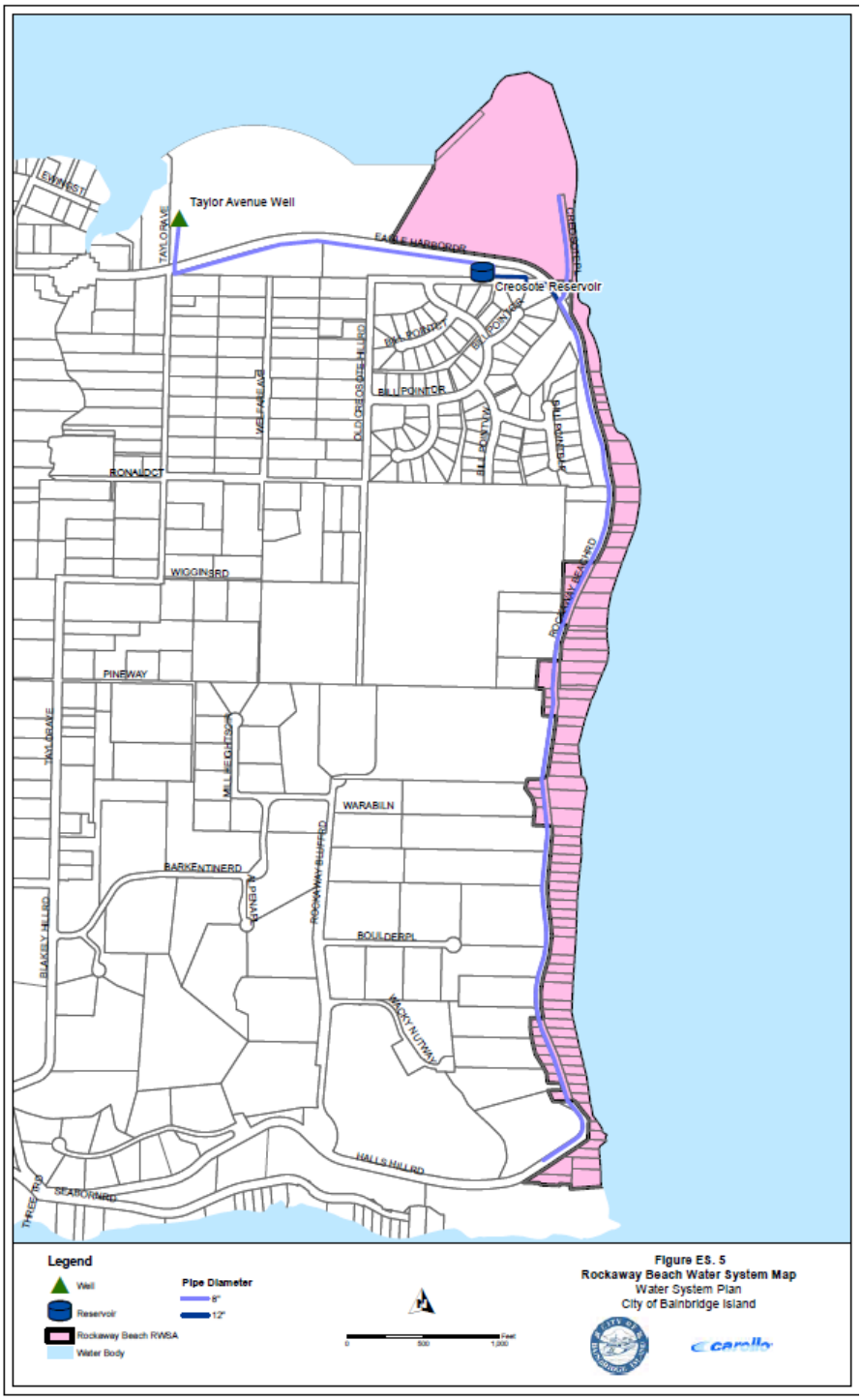


Figure 21 Rockaway Beach Water System Map

Source: Carollo Engineers, Inc. 2017

3.2.1.2 City of Bainbridge Island Water Rights

Existing water rights for the City water systems (Winslow and Rockaway Beach) are summarized in the COBI 2017 Water System Plan (Carollo Engineers, Inc. [Carollo] 2017) and in Table 4. This summary is based on the 2002 Water Rights Analysis and the 2005 Water Resources Management Plan. For the Winslow system, the City has permitted groundwater rights for a total of 2,300 gpm (instantaneous withdrawal) and 1,920 AFY (annual withdrawal) for sources currently in use.

The City's water systems also have permitted water rights for other sources (including one surface water source) that are not in use. This total is 2,657 gpm (instantaneous) and 2,445 AFY (annual). For the Rockaway Beach Water System, the City has one permitted water right: 80 gpm (instantaneous withdrawal) and 34 AFY (annual withdrawal). The total annual water rights authorized for the City is 4,399 AFY.

Table 4 Winslow and Rockaway Beach Water Rights Summary

Source	Well Status	Certificate Number	Priority Date	Instantaneous Withdrawal (gpm)	Annual Withdrawal (AFY)
Primary Sources of Supply					
Fletcher Bay Well	Operational	G1-20706C	14 June 1973	730	1,168
Commodore Wells					
Well No. 1	Not used	C-6025-A	8 April 1968	20	32
Well No. 2	Operational	G1-23678C	15 September 1980	120	32
Sands Ave Wells					
Well No. 1	Operational	G1-25264C	29 June 1988	300	336

Source	Well Status	Certificate Number	Priority Date	Instantaneous Withdrawal (gpm)	Annual Withdrawal (AFY)
Well No. 2	Operational	G1-25614P	1 February 1990	500	564
Head of Bay Wells					
Well Nos. 1 and 2 (Original)	Not used	C-5997-A	21 March 1966	55	88
Well Nos. 1 and 2	Operational	C-7410-A	18 August 1967	300	336
Well No. 3	Operational	G1-22248C	28 June 1974	75	160
Well Nos. 4 and 5	Operational	G1-24349C	8 July 1983	200	224
Total Permitted Water Rights (Primary Sources of Supply)				2,300	1,920

Notes:
AFY= acre-feet per year
gpm = gallon(s) per minute
No. = number
Source: Carollo Engineers, Inc. 2017

3.2.1.3 Kitsap Public Utility District (KPUD) Water Systems

KPUD owns and manages the largest share of public water systems on Bainbridge Island. Among these systems, the two major water providers operated by KPUD are known as North Bainbridge and South Bainbridge. The North Bainbridge Water System, established in 1915 as the Rolling Bay Water Company, has evolved significantly over time. The system operates multiple wells and includes a 120,000 gallon concrete tank that replaced the original wood stave tank in 1976, bringing the total storage capacity to 360,000 gallons. The system features sophisticated

pump controls and monitoring equipment, with digital controllers regulating level control through pressure transducers (KPUD 2011).

The South Bainbridge Water System has recently undergone significant changes through consolidation with the Island Utility system, creating a more robust and reliable water service for residents in the south end of Bainbridge Island. This consolidation has brought several benefits, including greater redundancy for water supply, improved fire flow capabilities, and the elimination of some low-pressure areas. The system includes multiple pressure zones and storage facilities, with plans to construct a new 500,000-gallon storage tank that will help seamlessly combine the two systems (KPUD 2020). KPUD also consolidated the Bill Point water system in 2023, further expanding the reach and capacity of Group A service areas.

Water quality management is a crucial aspect of both systems' operations. The South Bainbridge system has installed water treatment plants by ATEC to address elevated manganese levels, which is a common water quality challenge in the area. The system's distribution infrastructure consists of various materials, including PVC (38%), cast or ductile iron (44%), and asbestos cement (17%) (KPUD 2020).

Looking ahead, both systems face similar challenges related to aging infrastructure, population growth, and water quality management. The consolidation of systems and ongoing improvements demonstrate KPUD's commitment to maintaining and enhancing water service reliability for Bainbridge Island residents. Water conservation and efficiency remain important priorities, with both systems implementing measures to reduce water loss and maintain sustainable operation (KPUD 2020).

3.2.1.4 KPUD Water Rights

Existing water rights for KPUD water systems on Bainbridge Island include:

North Bainbridge system has permitted groundwater rights for 1,713 gpm (instantaneous withdrawal) and 507 AFY (annual withdrawal) for sources currently in use.

Manzanita Heights and Sunset Hills water systems, along with their associated rights, were consolidated into the North Bainbridge system. The combined water rights are included in the totals listed above for North Bainbridge.

South Bainbridge system has permitted groundwater rights for 1,106 gpm (instantaneous withdrawal) and 870 AFY (annual withdrawal) for sources currently in use.

Harbor Crest system has permitted groundwater rights for 60 gpm (instantaneous withdrawal) and 9 AFY (annual withdrawal) for sources currently in use.

See Table 5Table 5 KPUD Water Rights Details for a breakdown of water rights for all water sources in KPUD's major systems on the Island.

Table 5 KPUD Water Rights Details

Source	Well Status	Water Right Number	Priority Date	Instantaneous Withdrawal (gpm)	Annual Withdrawal (AFY)
North Bainbridge Water System					
Madison Spring	Not used	S1-*07084 (SWC3556)	04/30/1946	67	456
Wells 1/2	Not used	G1-*07000 (GWC6066)	01/28/1964	150	
Wells 3/4/5	Operational	G1-00531	04/11/1969	250	
Well 6	Operational	G1-23277	12/18/1978	100	
Well 7	Operational	G1-24155	06/29/1982	200	
Wells 8/10	Operational	G1-24627	03/26/1985	75	
Well 9	Operational	G1-25782	0//27/1990	700	
Manzanita Heights	Well replaced	G1-00445	02/10/1971	80	17
Sunset Hills	Well replaced	G1-20239	08/02/1972	60	18
Sunset Hills	Well replaced	G1-*11052 (GWC7136)	07/09/1970	31	16
North Bainbridge Totals				*1,713*	*507*
South Bainbridge Water System					
Well 3	Well replaced	G1-23438C	07/16/1979	50	62.5
Well 4	Well replaced	G1-23638C	07/17/1980	30	48
Well 5/9	Operational	G1-23640C	07/17/1980	60	0
Well 6/10	Operational	G1-24392C	09/30/1983	225	229.6
Well 7	Operational	G1-25739C	05/24/1990	300	50
Well 8	Operational	G1-23639C	07/17/1980	50	0
Spring	Not used	S1-*17514CWRIS	06/16/1967	49.4	79.6

Island Utility Wells 1/2/3	Operational	G1-25243P	05/05/1988	300	336
Bill Point Wells 2/3/4	Operational	G1-00315C	02/08/1972	42	64.2
South Bainbridge Totals				*1106.4*	*869.9*
Harbor Crest Water System					
Well 1	Operational	G1-24249C	02/14/1983	60	9

The Qa for KPUD's water systems is 1,376 AFY, based on current water rights across North Bainbridge, South Bainbridge, and consolidated systems such as Manzanita Heights and Sunset Hills.

Water rights data were provided by KPUD in 2025 and 2026, with technical input from Joel Purdy and Tom Colby. The information is considered accurate as of 2026.

3.2.1.5 Other Smaller Water Systems

Apart from the municipal Group A systems like COBI and KPUD, other private Group A systems exist on Bainbridge Island. The two largest private organizations that own and/or operate these systems are Washington Water and Northwest Water Systems who own/operate Bucklin Hill Water and Emerald Heights Water, respectively. Meadowmeer Water System is also a significant Group A system operated by Northwest Water Systems. The service areas for these systems can be found in Figure 18 Bainbridge Island Water Systems Map.

A more complete list of public waters systems can be found in Appendix I.

3.2.2 Wastewater Treatment

3.2.2.1 City Wastewater Treatment Plant (Winslow)

The Bainbridge Island Wastewater Treatment Plant (WWTP), located in the downtown core area, serves as the primary wastewater treatment facility for the City (Figure 22). Originally constructed in 1978, the WWTP has undergone several expansions and upgrades to improve its capabilities. The facility operates as an activated sludge system that provides secondary treatment through multiple processes, including fine screening, biological treatment in five-zone basins, secondary clarification, and UV disinfection (WWTP 2017).

The facility operates under NPDES permit WA0020907, issued by the Department of Ecology, which establishes specific effluent limits for key parameters including biochemical oxygen demand (BOD5), total suspended solids (TSS), pH, fecal coliform bacteria, and total residual chlorine. Currently, the plant has remaining capacity for approximately 285 ERUs (equivalent to about 707 people), though this is limited by the plant's ability to treat biological oxygen demand loads. Planned capital improvements, expected to be completed by 2028, will increase the plant's capacity to serve a population of 10,500 (an additional 2,700 people) in and around the Winslow sewer service area (BHC Consultants [BHC] 2024).

The treated effluent is discharged to Puget Sound through a sophisticated outfall system located on the east side of Bainbridge Island, just east of Wing Point. The 5,370-foot outfall line splits at the end into two 16-inch ports, spaced 14 feet apart and positioned at a depth of -42 feet mean lower low water, approximately 900 feet from the high tide mark (WWTP 2017). The discharge point was strategically selected with consideration for mixing zones and water quality standards, and the infrastructure has been well-maintained, with the most recent improvements completed in 2014 when the City replaced the original ductile iron pipe with high-density polyethylene (WWTP 2017).

Currently, the facility makes limited use of reclaimed water through an in-plant reuse water system, utilizing a portion of the disinfected effluent for wash-down operations, landscape irrigation within the fenced area, scrubber water, and influent screen wash-water (WWTP 2017). However, the City is actively exploring future opportunities for expanded beneficial use of reclaimed water that could help reduce groundwater withdrawals and supplement baseflow to streams and wetlands (BHC 2024). The potential beneficial uses of reclaimed water could include irrigation of golf courses and other landscaping, aquifer recharge, and agricultural purposes. Implementation of such water reuse strategies could help address water conservation needs and reduce pressure on groundwater resources (BHC 2024). This action is discussed further in section 7.4.5.

3.2.2.2 KPUD Wastewater Treatment Plant (Fort Ward)

The Kitsap Public Utility District Fort Ward wastewater treatment plant (formerly owned and operated by Kitsap County Sewer District #7 until late 2025) has its origins in a rudimentary military-era sewer system dating back to the early 1900s at

Fort Ward, where untreated waste was discharged into Rich Passage. Modern wastewater management began after the district was formally created in 1960 and culminated in construction of a secondary treatment facility completed in 1995 to meet federal Clean Water Act standards. The plant treats wastewater not only for local residents of Fort Ward, but also for surrounding areas such as Lynwood Center, Rockaway Beach, Pleasant Beach, Point White, Emerald Heights, and the Blakely School through an inter-local agreement with the City. The City also owns and manages the sewer collection system in those areas. Overall, the system handles wastewater from roughly 700 homes and businesses. In terms of capacity, the facility treats on the order of tens to hundreds of thousands of gallons per day (about 280,000 gallons daily with peak capacity around 140,000 gallons per day for certain service components), making it a relatively small but critical treatment plant designed to provide reliable, environmentally compliant wastewater service for the south Bainbridge Island area.

3.2.2.3 Fieldstone

Fieldstone assisted living facility in the Rolling Bay neighborhood also operates a small wastewater treatment plant with direct discharge to the Puget Sound.

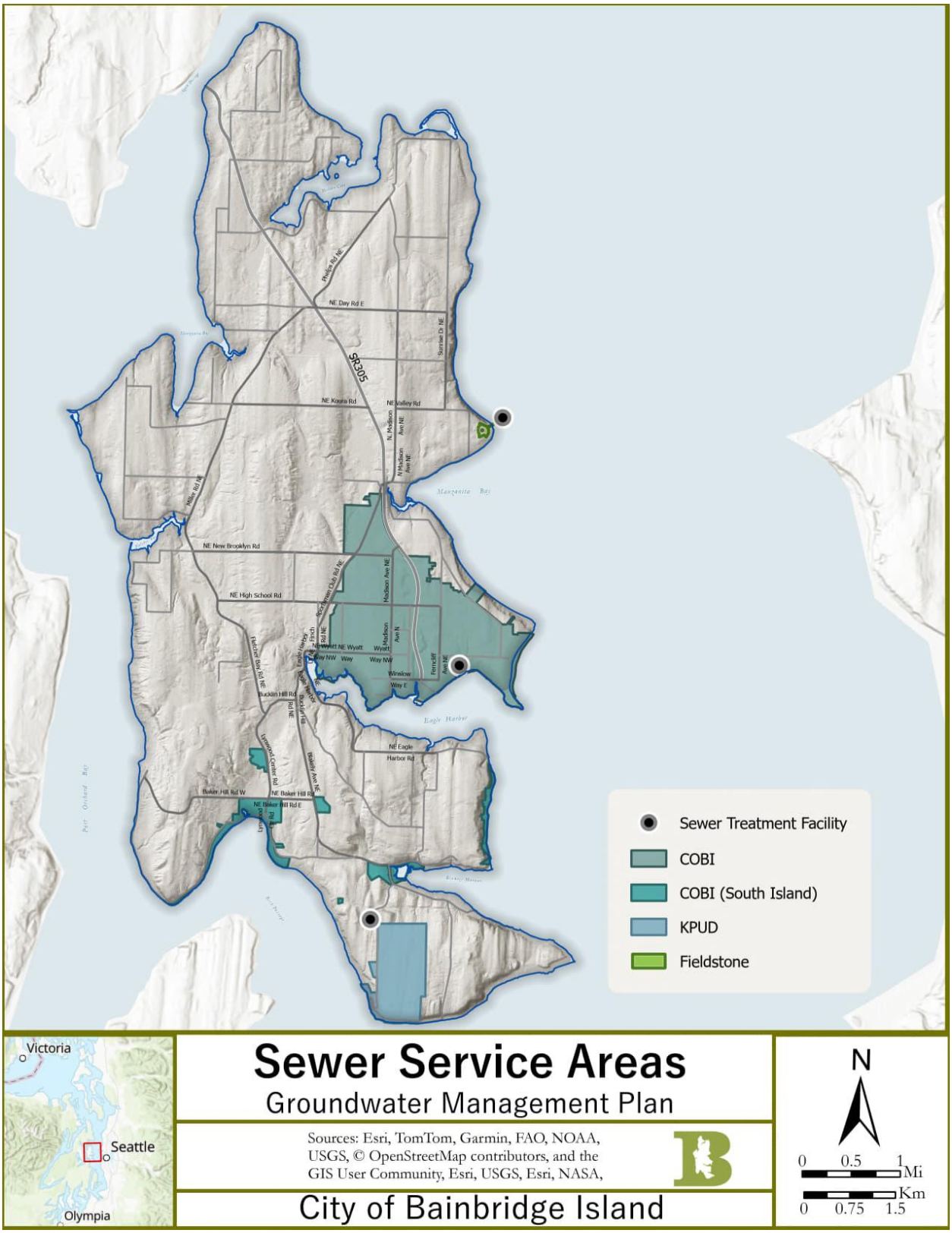


Figure 22 Wastewater Sewer Service Areas Map

3.2.2.4 Septic Systems

The remainder of wastewater on the Island is treated by approximately 6,000 private on-site septic systems. There are also at least four large on-site septic systems (LOSS) that maintain a site-specific discharge permit (Ecology 2025). On-site septic systems contribute to groundwater recharge, with amounts varying across the Island. Average estimates of septic return flow are discussed in Section 6.5.

3.2.3 Water Rights and Well Construction History

Groundwater is withdrawn for use by homeowners, agricultural and commercial users, and by community water supply purveyors. Due to the range of regulations governing groundwater withdrawals and the lack of metering data, providing precise accounting regarding water withdrawals is not possible. Groundwater use can be reasonably estimated for specific types of uses (i.e., indoor domestic use is typically about 60–65 gallons per capita per day COBI 2024)), although actual use for any given system is dependent upon many factors, including regulatory limitations (individual water rights, customers of a water system and permit-exempt uses) and personal choices. Although indoor domestic use typically falls within a fairly narrow range, outdoor uses can vary widely from one house to the next and is heavily dependent on the size of outdoor irrigated area that can be highly variable.

Water rights and water well construction data available from Ecology illustrate the growth in population and water use on Bainbridge Island dating back to the 1920's. Figure 23 illustrates the growth in water right permits and certificates issued by the state for surface water, groundwater, and reservoir rights. In the graph below, the symbols are used to plot the amount of annual water rights issued for each type of permit each year in units of acre-feet per year (left vertical axis). The lines represent cumulative water rights issued over the period of record for both surface and groundwater rights. Cumulative values are relative to the right vertical axis, also in units of acre-feet per year. No new water rights have been issued on Bainbridge Island since 2012.

Years with the largest volume of rights issued were 1973, when KPUD obtained water rights for 1,359 acre-feet per year and 1990 when three large water rights were issued to the City, KPUD and Blossom (former name of the South Bainbridge

Water System) for a total of 1,168 acre-feet per year. The 1973 KPUD water right has subsequently been acquired by the City of Bainbridge Island and is the primary water right utilized in the Fletcher Bay Wellfield. The symbols representing both 1973 and 1990 are higher than the values reported on the graph because other smaller rights were also authorized in each of these years, pushing the total for the year higher than the water rights noted above. It should be noted that the dates used represent priority dates (the date a complete water right permit application was received by Ecology), not the date the rights were granted, which could have been several years later.

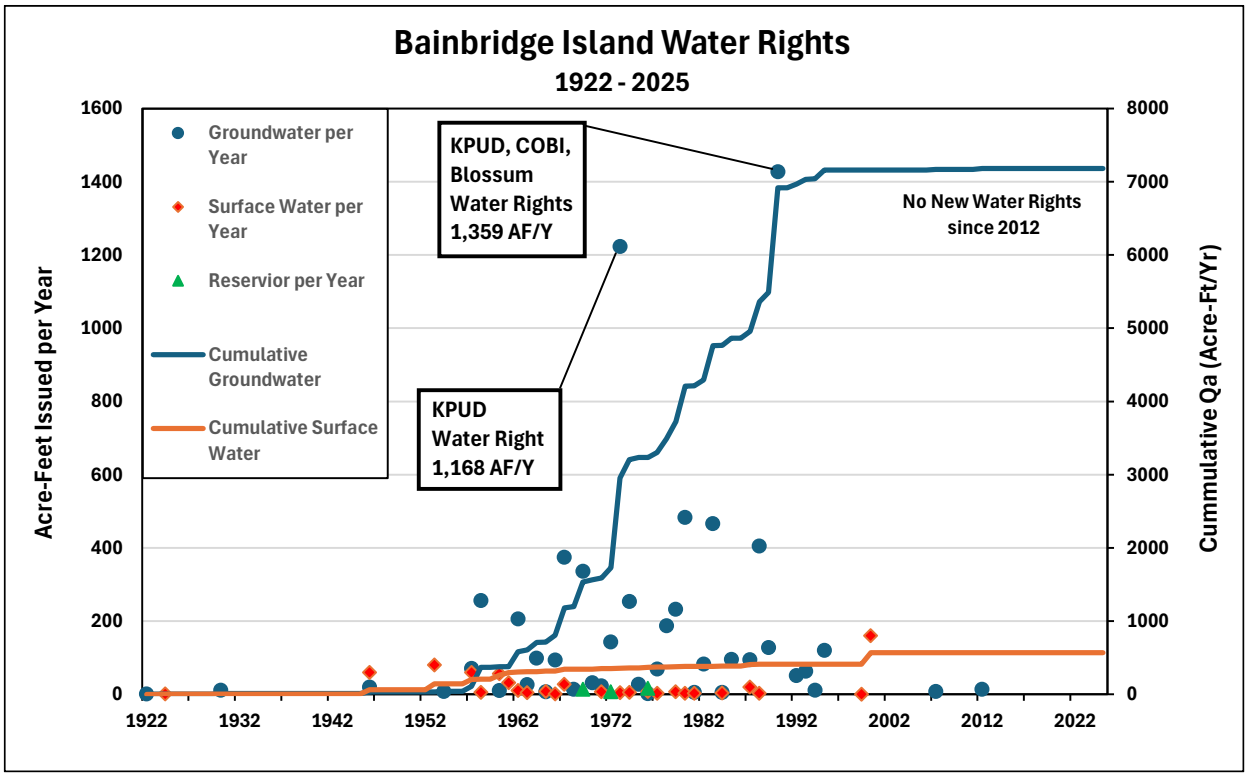


Figure 23 Bainbridge Island Water Right Permits and Certificates, 1922–2025

Source: Ecology Water Rights Database 2025

As shown on Figure 23, most water rights on Bainbridge Island have priority dates between the years 1950 and 2000. Groundwater withdrawals increased dramatically when electricity to power pumps became widely available. Note that permit-exempt uses and claims are not represented in this data. Water use by permit-exempt wells is best illustrated by reviewing the well construction data as

shown in Figure 24 because the majority of the individual wells on the Island are drilled for private use.

A pending water right application submitted by Wing Point Golf Club remains under review by the Washington Department of Ecology. The application seeks additional groundwater withdrawals to support golf course irrigation but has not yet resulted in a permitted water right due to ongoing evaluations of availability and potential impacts on nearby users and resources.

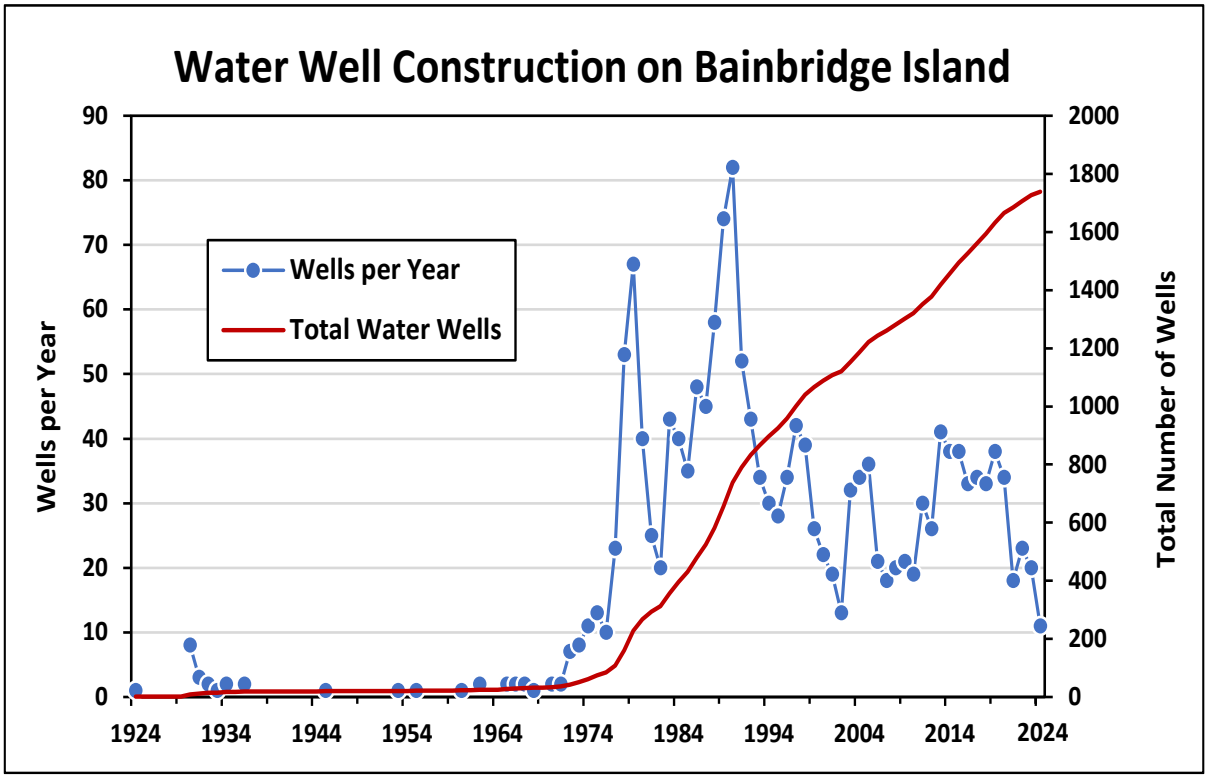


Figure 24 Water Well Construction on Banbridge Island 1924-2024

Source: Ecology Well Construction Database 2025.

Figure 24 illustrates the number of water wells drilled each year as well as the cumulative number of water wells drilled over the period of record based on Ecology records. This data represents records in Ecology's database for all water wells, not only permit-exempt wells. There are nearly 1,800 records that include the date of construction and an additional 260+ well records lacking a date of construction.

Figure 25 illustrates the distribution of water well construction on Bainbridge Island between 1960 and 2023. Ecology's well construction data is presented in four maps showing the number and distribution of water wells on the Island in 1960, 1980, 2000, and 2023. Ecology's well construction data is illustrated by the ¼ ¼ section (a 40-acre area) the well is reported to be located in. Because there can be multiple wells within a single ¼ ¼ section, locations that include wells are color-coded by the number of wells associated with each location. Although this method of locating wells is not very precise, patterns of growth and the relative density of wells can be observed plotting the data in this manner.

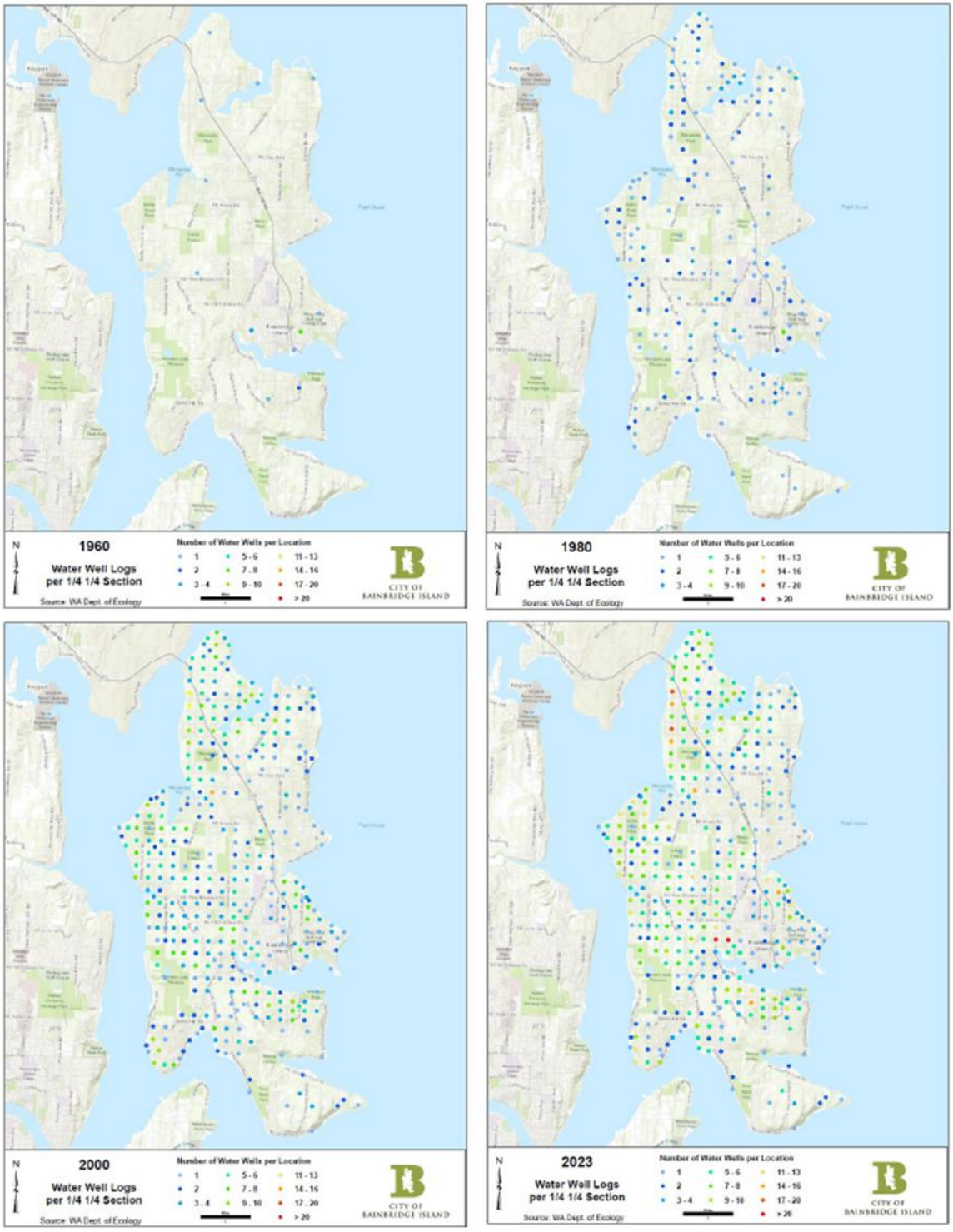


Figure 25 Distribution of Water Wells on Bainbridge Island in 1960, 1980, 2000 and 2023

Source: Ecology Well Construction Database 2025

Although it is the best public source of well construction information available, it should be noted that much of the information in Ecology's well construction database has not undergone a formal quality assurance/quality control (QA/QC) review, and its uncertainties and limitations should be recognized when relying on the data. These number of wells reported do not account for duplicate records, decommissioned wells, and reconstructed wells. In addition, water well reports, were not required to be submitted to the State before 1971 and recordkeeping and tracking have dramatically improved since the late 1990s and early 2000s. This is a factor when comparing well construction data between the 1960s and 1980s. Over the period of record an average of about 20 water wells are drilled each year on Bainbridge Island with the largest number (82 wells) drilled in 1990.

KPUD also hosts a groundwater well database that maintains a more precise location for wells than the Ecology database. By using site plans and other information from the KPHD they can more accurately pinpoint the location of a well on the map. An example of the quantity and locations of well on Bainbridge can be seen in Figure 26.

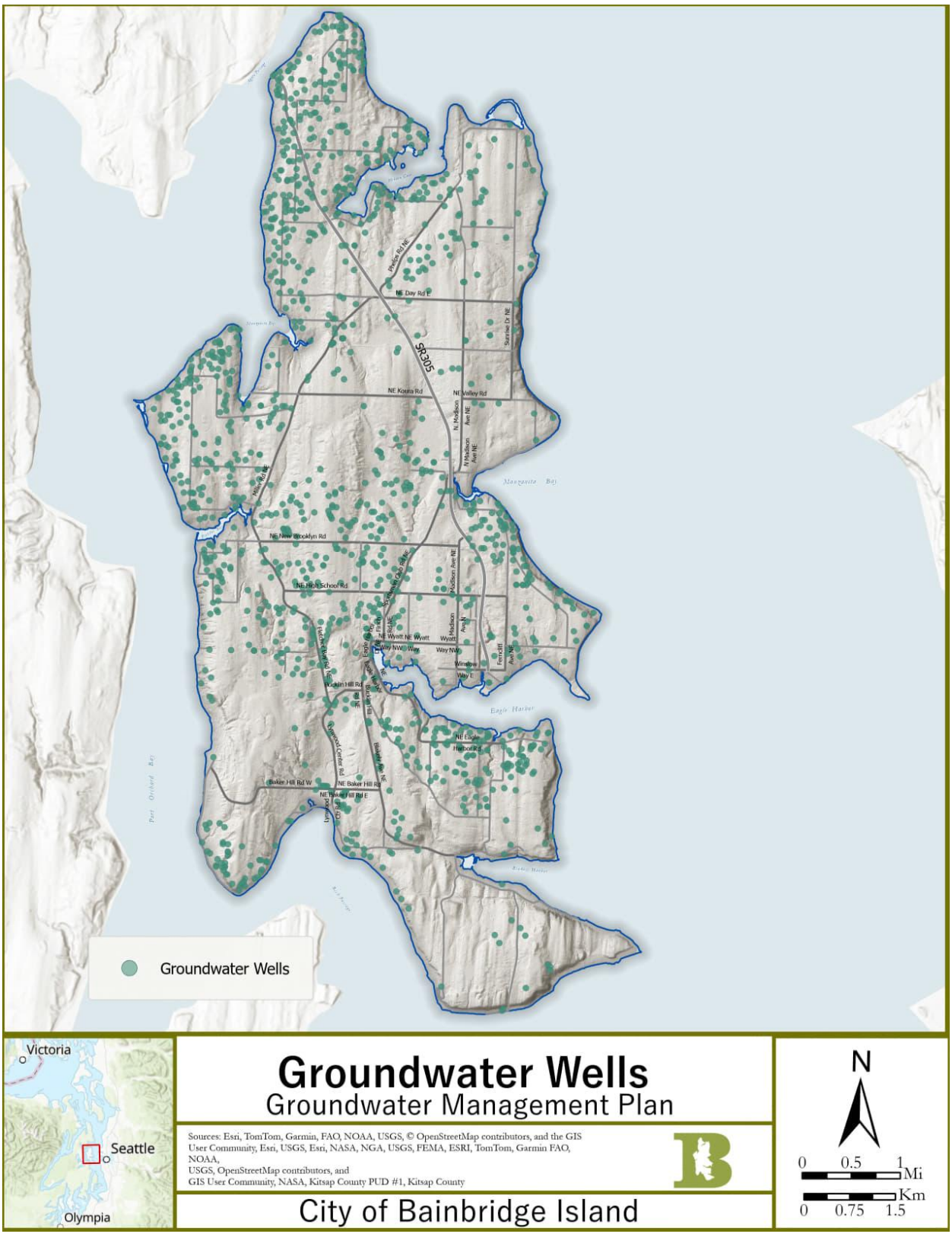


Figure 26 Well Locations from KPUD Well Database

As noted, this data represents all water supply wells. However, it is estimated that at least 90% of water wells drilled in Washington are for permit-exempt uses, most of which are legally limited to no more than 5,000 gallons per day or less. Though wells drilled after 2018 are subject to a limit of 950 gallons per day as described in Section 2.4.8. Most permit-exempt wells used for domestic purposes average around 150-300 gallons per day, with larger amounts during the irrigation season and around 130 gallons per day or less for indoor uses during the winter months (Ecology 2020).

As expected, more groundwater is used in the summer (in some cases more than twice as much as is used in the winter), mostly for irrigation (outside watering for lawns, gardens, landscape vegetation, etc.). Generally, per capita water usage from City and KPUD water systems is higher in the southern part of Bainbridge Island. Available water use data in terms of ERU for 2022 is presented in Appendix I.

3.3 Other Environmental Factors Impacting Groundwater

3.3.1 Development of Open Spaces / Development Near Wetlands and Streams

Development significantly alters natural wetland and stream systems through changes in hydrology, water quality, and habitat structure. After development, these water bodies experience increased frequency and duration of high streamflow during wet weather, while suffering from reduced streamflow and wetland water levels during dry seasons. Consequently, stream channels face both increased flooding and reduced base flows, leading to the alteration or destruction of natural features like riffles, pools, and gravel bars (SWMMWW 2024).

The relationship between development and stream degradation is well documented. Research shows that even at low levels of urban development, significant changes occur in stream stability. These changes begin when developed impervious areas reach just 5% of watershed land cover, creating a direct connection between runoff and channel erosion (SWMMWW 2024). This erosion commonly manifests as channel widening and streambed downcutting, resulting in

habitat damage and reduced biological diversity across arid, semiarid, and humid climate settings.

Smaller water bodies are particularly vulnerable to development impacts. First to third order streams and water bodies with contributing watershed areas less than 100 square miles are most susceptible to changes in runoff patterns caused by development (SWMMWW 2024). The biological communities in wetlands are especially sensitive, where even small changes in natural water elevation fluctuations can cause dramatic shifts in vegetative and animal species composition.

Temperature changes present another significant impact on these ecosystems. Urbanization contributes to excessive summer stream temperatures through two primary mechanisms: direct heating from removal of riparian vegetation and reduced groundwater recharge due to impervious surfaces (SWMMWW 2024). These changes can have direct lethal effects on aquatic life by reducing maximum available dissolved oxygen and potentially causing algae blooms that further reduce oxygen levels.

Construction impacts from open space conversion to development can also be significant. During construction, sediment loads can turn receiving waters turbid and be deposited over natural sediments. Pollutants typically expected in stormwater from construction activity include sediment, pH, nutrients, and petroleum products (SWMMWW 2024). These pollutants can seriously impair beneficial uses of receiving waters if not properly managed.

3.3.2 Saltwater Intrusion

Saltwater intrusion occurs when seawater enters and contaminates freshwater aquifers, leading to elevated chloride levels in well water. This phenomenon typically arises when groundwater is extracted from aquifers that are in hydraulic connection with marine waters such as Puget Sound. As freshwater is pumped out, it creates a pressure imbalance that can draw saltwater inland toward the well. The severity of intrusion depends on factors like local geology, aquifer properties, topography, and the size and capacity of the recharge area. Seasonal variations, especially in the summer when rainfall is low and groundwater usage increases, can exacerbate the problem.

Ecology classifies saltwater intrusion risk levels based on chloride concentrations: levels between 25–100 mg/L indicate a low-risk area; 100–200 mg/L, or under 100 mg/L with a rising trend, signal a medium-risk area; and 200 mg/L or more, or increasing levels between 100–200 mg/L, denote a high-risk area.

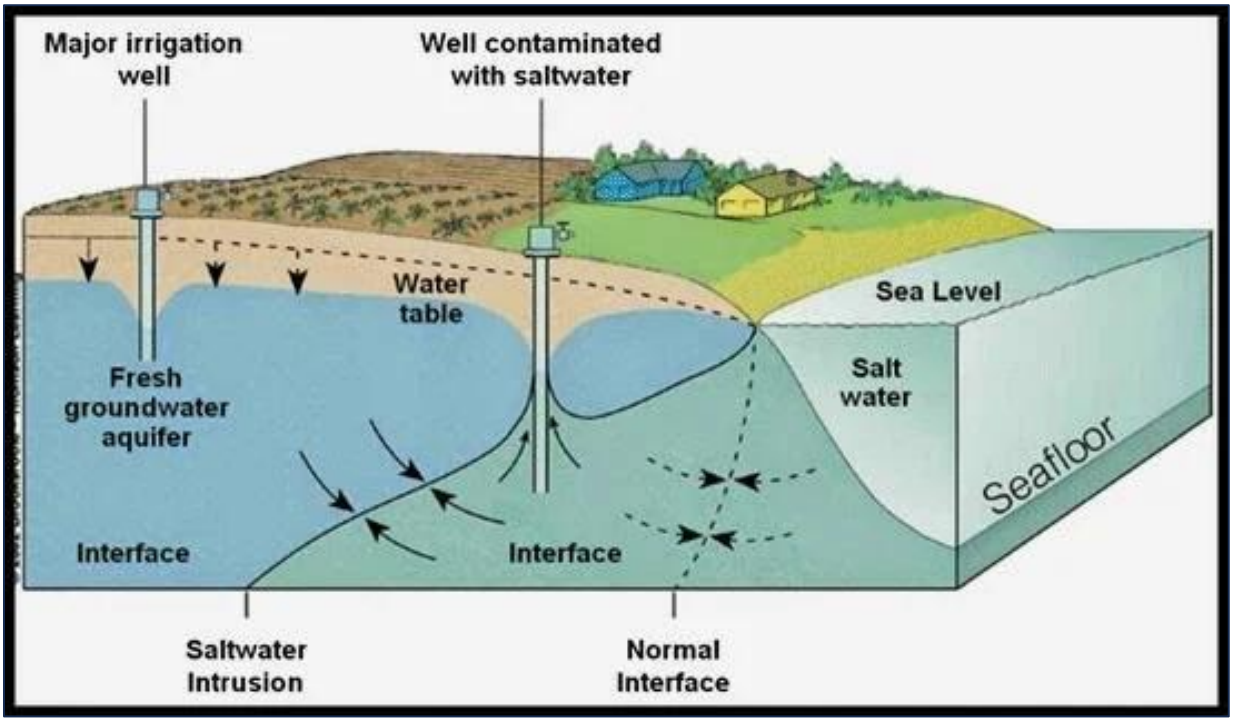


Figure 27 Saltwater Intrusion Conceptual Diagram

Source: Abd-Elaty et al. 2019

Preventing saltwater intrusion is essential, as reversing the process is extremely difficult once contamination occurs. In some cases, wells have had to be permanently closed due to saltwater infiltration, highlighting the importance of proactive management and protection of vulnerable groundwater resources.

3.3.3 Climate Change Variables

Climate change modeling scenarios project several impacts to Bainbridge Island's water resources and environment. Simulated average annual air temperatures increase by between 4 to 5.5°F by 2050, with summer months experiencing the most dramatic warming (Mauger 2015). Rising temperatures will increase water demand across both human and natural systems, affecting terrestrial, freshwater,

and marine ecosystems.

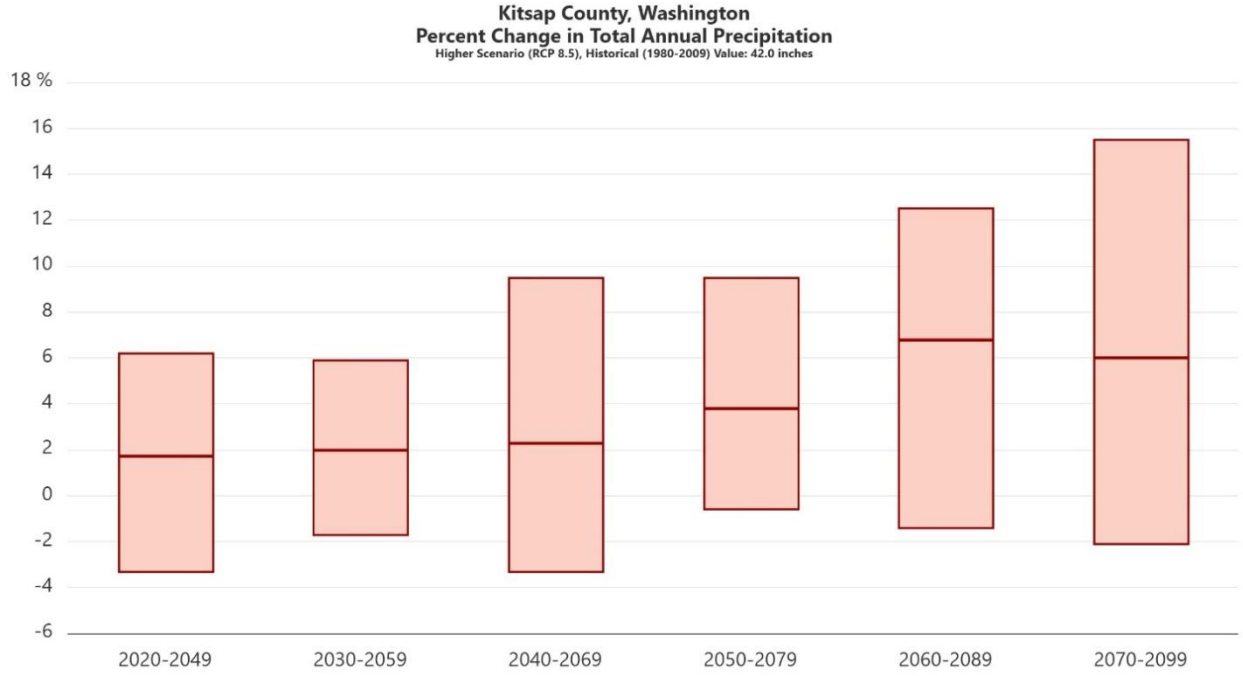


Figure 28 Predicted Precipitation Change

Source: UW CIG Climate Mapping Web Tool 2026

Precipitation patterns are also projected to shift. Overall, annual precipitation is projected to rise by about 3-6% over the next 80 years (Figure 28). Winter months are predicted to bring more frequent and intense rainfall events, which could lead to greater surface runoff and reduced groundwater infiltration. Specifically, most models forecast an average increase in winter precipitation of 4-10%, while summer precipitation is projected to decrease by 2-16% by 2080 relative to the 1950–1999 baseline (Rogers 2021). These seasonal shifts are predicted to result in shorter, wetter winters with more extreme precipitation events and longer, drier summers, but predictions are uncertain.

Intense precipitation events could increase in frequency from two to seven times per year, with their intensity potentially rising by up to 22% (Mauger 2015). However, these projections rely on global climate models and scenarios that may

be so uncertain as to have limited utility for guiding sepecific local management decisions (Keta Waters 2025).

Concerns regarding how changes to climate will impact groundwater recharge have been raised and discussed within the Groundwater Subcommittee and Technical Advisory Committee. The basis of these concerns is that warming temperatures will result in longer growing seasons and increased evapotranspiration (ET). In addition, increased impermeable surfaces and an increase in the intensity of precipitation events could reduce groundwater recharge by increasing the fraction of rain that leaves the Island as surface runoff. However, it is also plausible that overall increases in the total amount of precipitation could offset both of these potential reductions to groundwater recharge, resulting in no significant change to recharge (however it should be noted that relative to temperature change, local precipitation changes are much more uncertain).

The important point is that climate change will continue to impact Bainbridge Island and introduces substantial uncertainty for future planning. To aid planning in light of that uncertainty, the GWMP's equilibrium groundwater modeling considers a range of possible scenarios including relatively strong reductions and increases to recharge and pumping. However, ultimately, management strategies that lead to a more resilient and sustainable system independent of an uncertain and unknowable future should be prioritized (Keta Waters 2025).

Sea level rise associated with climate change also poses a significant risk for saltwater intrusion into coastal aquifers. As sea levels rise, the hydraulic gradient between freshwater and seawater can be altered, increasing the potential for seawater to encroach into freshwater systems (Ecology 2003). Ecology notes that rising sea levels may exacerbate seawater intrusion.

In 2024 the City of Bainbridge Island completed a Sea-Level Rise Vulnerability and Risk Assessment that focused on mapping hazard areas more precisely. As part of the assessment a mapping tool was created that can show how SLR affects neighborhoods differently based on environmental factors and existing utility locations.

4. Observed Groundwater Trends, Data and Information Gaps

4.1 Historical Trends in City Water System Quality

The historical water quality data reveals several noteworthy trends across the City's water systems. The chloride levels have remained consistently low, with 2026 measurements showing concentrations between 3.5-11.7 mg/L before treatment, well below the secondary MCL of 250 mg/L. Historical post-treatment levels have shown higher concentrations up to 24 mg/L, suggesting that treatment processes may influence chloride content in the finished water.

Manganese has emerged as a significant concern, particularly in the Winslow Water System where the Head of Bay wells demonstrated levels ranging from 0.094 to 0.161 mg/L, substantially exceeding the secondary MCL of 0.05 mg/L (Carollo 2017). The Commodore well also showed elevated manganese at 0.052 mg/L. Recent research has raised additional concerns about manganese, suggesting that the current secondary MCL of 0.05 mg/L may be insufficient for public health protection, with researchers recommending a more stringent target of less than 0.02 mg/L (Carollo 2017). The presence of elevated manganese can lead to multiple issues, including biofilm growth, scale formation, accumulation of toxic trace metals, and potential release of these contaminants into the distribution system (Carollo 2017).

The Rockaway Beach Water System has demonstrated better manganese control through its treatment system. Although raw water testing showed manganese levels of 0.049 mg/L, the treatment process consistently maintains levels below the MCL (Carollo 2017). Iron levels have generally remained low throughout both systems, with only one notable exception at Head of Bay Well, which showed an iron concentration of 0.153 mg/L (Carollo 2017).

Nitrate levels have remained consistently low across all water sources. The 2015 testing revealed minimal concentrations, with Sands Avenue wells showing 0.11-0.12 mg/L and the Taylor Avenue well at 0.14 mg/L, while other wells had non-detectable levels. These values are substantially below the MCL of 10.0 mg/L, indicating no significant nitrate concerns in the water system (Carollo 2017).

In response to these water quality challenges, particularly regarding manganese, the City is in the process of evaluating and upgrading systems that manage water quality at all of its well sites (Carollo 2017).

A report on recent data collection, including chloride and conductivity, by the City's Groundwater Monitoring Program can be found in Appendix E.

4.2 Recent Trends in KPUD Water System Quantity

The South Bainbridge Water System (South Bainbridge) is owned and operated by KPUD and serves the geographic area that stretches from the westernmost portion to the easternmost portion of the south end of the City. The analysis that was prepared for the Department of Health review in November 2021 concluded that the South Bainbridge system had sufficient capacity to meet 20-year growth projections. However, in 2025, KPUD identified that certain source meters had been over-registering. This discovery resulted in a re-evaluation of South Bainbridge's capacity, which was completed in January 2026. The re-evaluation indicates that the South Bainbridge cannot support additional connections due to limited groundwater resources and above average customer summer water usage. To preserve adequate water capacity for existing customers and allow time for development of a water conservation effort and an additional water supply to support future growth, KPUD temporarily suspending the sale of new binding water availability letters.

As a result of the suspension, the City and KPUD are developing an interlocal agreement that identifies areas of water system coordination between the agencies. The coordination areas include a potential near-term inter-tie between the City system and the South Bainbridge Water System, long-term planning for water system coordination and planning across the City – including the potential for new shared supply wells and working together on the development of a city-wide water conservation plan.

4.3 City of Bainbridge Island Groundwater Monitoring Program

The City's Groundwater Monitoring Program was established in 2006 to bring various groundwater monitoring programs across the Island into one centralized program and database. The Groundwater Monitoring Program also expanded the

monitoring network to include areas and aquifers that were inadequately sampled or were of special concern. The associated database contains current and historical groundwater quality (chloride), groundwater levels, and production volumes.

Prior to 2006, monitoring of water quality and levels was undertaken primarily in conjunction with community water supply production by the City, and KPUD. Additionally, from 1984 to1991 and 2007 to 2009, USGS conducted a water level monitoring program in support of the development of a numerical groundwater model (Frans *et al.* 2011).

The City's current groundwater monitoring network consists of 87 public and private wells distributed Island-wide across the six Bainbridge Island aquifers as follows (Figure 29):

- Perched (PA) and Semi-Perched Aquifer (SPA) - 24 wells
- Sea Level Aquifer (SLA) - 44 wells
- Glaciomarine Aquifer (GMA) - 6 wells
- Fletcher Bay Aquifer (FBA) - 12 wells
- Bedrock Aquifer (BR) - 1 well

Wells may be added or removed from the network over time. For example, well owners may choose to drop out of the monitoring program or public wells may be added as they come under the ownership or management of either City or KPUD. Wells may be monitored for water level only, chloride only, or both water level and chloride.

Along with the development of the monitoring program was the development of Early Warning Levels (EWL). EWLs are quantifiable measures for initial evaluation of data that provide timely warning of a potentially developing groundwater issue before a problem becomes acute. If an EWL is exceeded, additional investigation is conducted to include problem-specific technical data review and analysis to confirm data validity. Additional sampling and field investigation are performed to confirm a potential problem and, if confirmed, identify the extent and potential causes for the exceedance. Ultimately, additional management actions, noted below, could be required to address problems identified by exceedances of the EWLs.

EWLs developed for Bainbridge Island include two components, selected to address Island-specific characteristics that are meaningful measures for protecting groundwater supplies on the Island. The two measures include monitoring groundwater levels and chloride concentrations in wells across the Island. On-going monitoring of groundwater elevations and chloride concentrations in Island aquifers ensure that actions can be taken to protect groundwater supplies from overdraft and saltwater intrusion long before problems occur. Each component is described in more detail in the sections below.

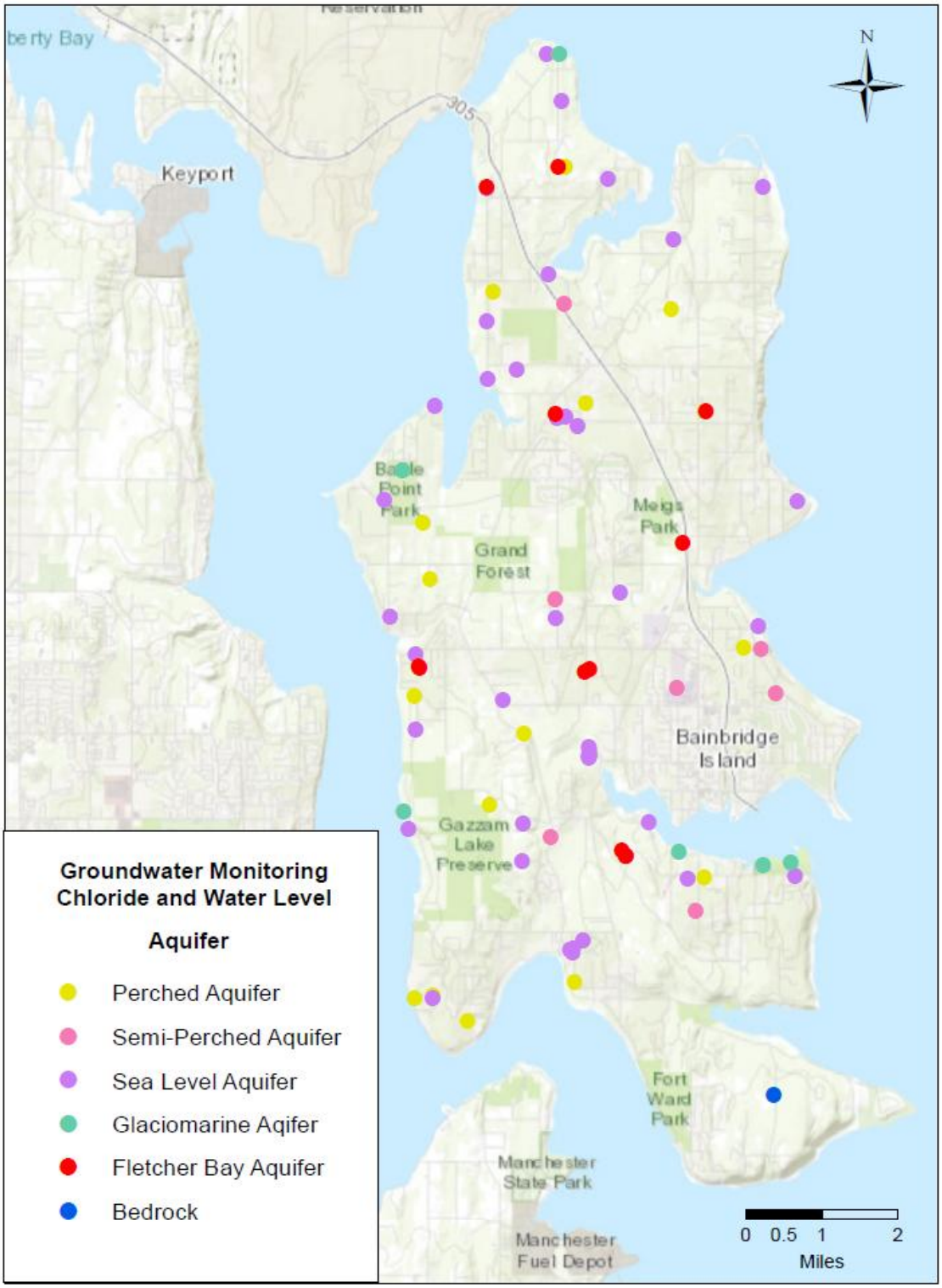


Figure 29 City of Bainbridge Island Monitoring Network

4.3.1 Groundwater Quality (Chloride) Monitoring Network

The City's Groundwater Monitoring Program (Aspect 2006) defines saltwater intrusion as a chloride concentration at or above 100 mg/L or any increasing trend in chloride concentration.

The 100 mg/L level is based on Ecology's draft Seawater Intrusion Policy (Ecology 1990). Although the secondary drinking water standard for chloride is 250 mg/L use of 100 mg/L or an increasing trend in chloride concentration as an EWL is appropriate for early detection. As noted above, natural fresh groundwater on Bainbridge Island typically exhibits chloride concentrations of 20 mg/L or less. Thus, an increasing trend in chloride concentrations or values at or above 100 mg/L are appropriately conservative criteria that warrant additional investigation when a potential problem is initially detected. Because various sources, other than saltwater intrusion can cause elevated chloride concentrations in groundwater, additional investigation is needed to determine whether saltwater intrusion is the cause.

A determination of an increasing trend requires at least four consecutive samples or samples taken over at least a one-year period with seasonality considered. Chloride concentration can vary between the wet season and the dry season. Therefore, to take seasonality into account, the City separates chloride data by season before comparing concentration trends to the EWL.

The EWLs are applied to data collected for the City's Groundwater Monitoring Program and are intended to support long-term sustainable groundwater development and management.

Should the EWL for chloride be exceeded, possible responses include:

- Site investigations
- More frequent chloride samples
- Additional monitoring parameters, such as specific conductivity
- Evaluation of trends over time
- Determining distance from the coast or other wells with elevated chloride concentrations
- Evaluation of nearby pumping and groundwater elevations

Currently, wells in the network are assessed annually as part of the City's groundwater monitoring program. This assessment consists of field measurement of specific conductivity and taking a water sample for laboratory analysis for chloride. The results of the chloride analyses are compared to the chloride EWL response threshold of 100 mg/L or any increasing trend (Aspect 2009). An increasing or decreasing trend in chloride concentrations is characterized by at least four consecutive samples or samples taken over at least a 1-year period with seasonality considered. The groundwater monitoring program provides response actions including confirmation of the data, determine extent, and identification and implementation of appropriate response actions.

An example of the City's response to an elevated chloride level exceeding the EWL can be found in the Seabold Potential Seawater Intrusion Investigation 2018. When the Seabold Water Association's well registered chloride concentrations above the EWL in 2006, the City, along with Kitsap Public Utility District and Kitsap Public Health District, launched a two-phase investigation to determine whether this exceedance was due to regional seawater intrusion or a localized source of contamination. This proactive effort included reviewing water quality data from numerous wells, conducting targeted sampling in the Seabold area, monitoring chloride trends over time, and evaluating possible sources such as well operations and water treatment by-products. The investigation did not indicate seawater intrusion was occurring on a large scale, because others wells in the vicinity did not have similar chloride levels (KPUD 2018).

Recent monitoring results are included in the 2012-2021 EWL report in Appendix E.

4.3.2 Groundwater Quantity (Level) Monitoring Network

The City's Groundwater Monitoring Program (Aspect 2006) defines the aquifer's sustainable groundwater elevation EWL as a declining rate of ½ foot or more per year over a ten-year period that cannot be explained by variations in precipitation.

The target for the groundwater level EWL is long-term changes in the aquifer resulting from groundwater withdrawals. Because the majority of groundwater recharge comes from precipitation and groundwater levels are naturally impacted by precipitation patterns, separating those impacts from changes resulting from groundwater pumping is necessary to determine that EWLs have been reached. As

noted above, increasing withdrawals are expected to lower groundwater levels. However, monitoring and attempting to limit declines resulting from increased groundwater pumping promotes long-term sustainability of the resource.

To determine variations in precipitation, the City uses a Cumulative Departure Precipitation (CDP) curve which represents the running total of differences between monthly rainfall and the average rainfall over any 10-year assessment period. Wetter than normal periods cause groundwater levels to rise, while drier than normal periods cause groundwater levels to fall. Removing those impacts allows for evaluation of groundwater level changes due to groundwater pumping rather than natural variation.

If water level data for a well indicate exceedance of the EWL, the following responses are recommended (to date, these actions have not been implemented in response to EWL findings):

- Analyze the data on an aquifer basis by comparing well hydrographs within the aquifer and with the cumulative rainfall departure curve.
- Compare hydrographs with production data and acquire additional production data as necessary to correlate pumping with groundwater levels.
- Determine the area impacted by water level observations and calculation of the zone of contribution.
- Consider adding additional monitoring wells to the existing network.
- Evaluate long-term impacts with the groundwater model.
- Propose management actions such as limiting or reducing pumping and transferring withdrawals to other areas or aquifers.

Recent monitoring results are included in the 2012-2021 EWL report in Appendix E.

4.4 Groundwater Data Gaps

Several significant data gaps limit our comprehensive understanding of Bainbridge Island's groundwater challenges, including insufficient monitoring well coverage, incomplete aquifer connectivity assessments, and uncertain climate change impacts on the groundwater system. This uncertainty specifically affects our understanding of productive aquifer systems like the GMA and FBAs, where limited well data prevents accurate mapping of groundwater flow patterns.

The monitoring network itself presents certain limitations, as the system is dynamic with wells being added or removed over time when well owners choose to opt out of the monitoring program or as public wells come under new ownership. This variability in monitoring locations can create gaps in long-term trend analysis and understanding of groundwater conditions. Additionally, while EWLs exist for monitoring potential problems, the water level trends alone do not definitively indicate whether aquifer overdraft or depletion is occurring, requiring additional data collection and analysis.

Climate change presents another area where data is insufficient. More comprehensive information is needed to understand annual variations in aquifer recharge, predicted reductions in recharge, changes in recharge timing, and other significant hydrogeologic factors. The groundwater model cannot predict the future with certainty, but it can indicate availability of groundwater in the future when considering climate change impacts. Currently, there are not sufficient data to definitively quantify which portion of increased precipitation is sourced from high-intensity storms versus low- or medium-intensity storms, which affects understanding of potential recharge patterns (EA 2025). Studies are underway by the USGS in San Juan and Thurston counties studying this relationship and will inform future modeling as this plan is adaptively managed.

To address these data gaps, several strategies have been identified and are described in further detail in Chapter 7.

5. Overview of Groundwater Modeling

Groundwater flow models are used to enhance understanding of the groundwater system and to consider various “what if” scenarios that can inform groundwater management decisions. Numerical groundwater flow models use computers to solve equations that describe groundwater flow. Use of commercially-available or publicly-available software packages is a common tool for both groundwater resource management and contaminated groundwater investigations and cleanup.

A groundwater model is a simulation and simplification of a complex environment. These models cannot fully replicate this complex environment with complete

accuracy. Sources of errors and uncertainty include uncertainties in geological conditions, in the extent and amount of groundwater recharge, in the connection between surface water and groundwater, and in the response of groundwater levels to pumping. Models are calibrated to observed conditions (including groundwater levels derived from monitoring networks) to evaluate the appropriateness of the assumptions and data used to construct the model (Reilly and Harbaugh, 2004).

Solutions or outputs from the model may be non-unique, meaning that it is possible that similar solutions (e.g., groundwater elevations and groundwater flow directions) can result from different sets of input values. These different input values may result in different implications for management actions. For example, a model with high recharge rates and high aquifer permeability may give results similar to a model with low recharge rates and low aquifer permeability. These two models may match observed water levels in a similar way, and yet they would result in different estimates of sustainable yield and potentially different management actions.

Bainbridge Island has been included in at least five groundwater flow models that have been developed over the last fifteen years. Table 6 provides a summary of the different models and Appendix O presents more details about the models. These models are closely related and have many similarities in terms of how the hydrogeology of Bainbridge Island is described. In particular, the sequence and layering of aquifers and confining units are similar in all five models and in all five models water enters the system as recharge from precipitation and septic-system returns and exits the system via groundwater pumping, streamflow, and discharge to Puget Sound. The models differ primarily in terms of values assigned to characteristics of aquifers and confining units, groundwater recharge rates, and groundwater pumping rates. The individual models are also used to simulate different time periods and to consider different future scenarios.

The models listed in Table 6 were all used to simulate transient groundwater flow. When used in this mode, the models attempt to describe monthly changes that result from differing pumping rates and recharge rates. The time needed to

complete these simulations is relatively long because the models must be run in one-month timesteps from the past into the future. For example, if a model is used to simulate 20 years in the past and 80 years forward, 1,200 separate timesteps must be simulated to look at one pumping-rate or recharge scenario.

An alternative approach to running the models in transient mode is to use steady-state simulations. These simulations provide estimates of the groundwater system once it reached equilibrium. The advantage of steady-state modeling is that the model is run for one timestep for each scenario, rather than 1,200 times as described above. The disadvantages are that these steady-state applications do not provide information about how long it might take to reach a new equilibrium and the models give only average values for water levels and groundwater flow rates, rather than full seasonal cycles. Keta Waters (2026) used the 2023 Aspect Model and the 2025 EA Model in steady-state mode to evaluate equilibrium conditions for a variety of scenarios.

Table 6 Overview of models describing groundwater flow on Bainbridge Island

Model	Area (sq. mi.)	Layers	Streams included?	Recharge from rainfall (AFY)	Validation parameters	Well pumping (mg/yr)	Flow to surface waters (cfs)
2011 USGS Bainbridge Model (USGS, 2011)	101	33	Yes, as drains	18,000[1]	Water levels and stream flow	653	22.1
2016 Aspect Bainbridge Model (Aspect, 2016)	101	33	Yes, as drains	13,675	Water levels	836	5.3

2016 USGS Kitsap Model (USGS, 2016)	786	14	Yes, as streams	n.a.[2]	Water levels and stream flow	n.a.	n.a.
2023 Aspect Bainbridge Model (Aspect, 2023)	247	14	No	18,726	Water levels	816[3]	13.5[3]
2025 EA Bainbridge Model (EA, 2025)	247	9	No	17,337	Water levels	741	16.3

[1]The 2011 USGS model uses 18,000 AFY for 2008 conditions and 30,000 AFY for predevelopment conditions.
[2]The 2016 Kitsap Model report does not explicitly describe recharge, well withdrawals, or streamflow for Bainbridge Island
[3] Well withdrawals and surface water flows were not reported in Aspect (2023) and were calculated from model files.

5.1 Summary of selected model findings

Selected findings from the Bainbridge Island groundwater models listed in Table 6 are summarized below.

5.1.1 2011 U.S. Geological Survey Model for Bainbridge Island

The U.S. Geological Survey, in cooperation with the City, developed a groundwater flow numerical model to characterize the groundwater system and its interaction with surface water (Frans *et al.* 2011). Available data sets of geologic, hydrogeologic including groundwater levels, precipitation, land use, water use, and surface water information were used in support of developing this model. The 2011 Bainbridge Island Groundwater Model was used to develop several "simulations" or representations of the groundwater system that simulate pre-development conditions. These simulations can act as a baseline for comparison to examine effects of current and potential groundwater use on the groundwater and surface water system. Impacts on the groundwater system under projected climate change and land use were also examined.

The model boundaries extend beyond Bainbridge Island in recognition that the aquifers underlying the Island, especially the deeper aquifers, may extend westward to the eastern portion of Kitsap Peninsula. To simulate groundwater flow, the model is divided into a three-dimensional array of cells. Horizontally, the cells were set to represent an area of 800 ft by 800 ft. Vertically, cells were assembled into a total of 33 layers with varying thicknesses that represented the configuration of aquifers and confining units.

The model was used to evaluate pre-development to current (2008) conditions and make some observations of likely future conditions (2035) under a given set of conditions. The results presented in the report focused on the PA, the SLA, and the FBA which provide most of the drinking water supplies on the Island.
Key findings of the 2011 U.S. Geological Survey model for Bainbridge Island are summarized in Table 7.

Table 7 Key Findings from 2011 USGS Model Bainbridge Island

Simulation	**Findings**
2008 simulation – evaluate change from predevelopment groundwater conditions to 2008	Slight increases in water level altitudes in the shallow aquifer are likely due to increased recharge from septic system returns General decline in water level altitudes in deeper aquifers (0–10 feet in Sea Level Aquifer and 10–35 feet in FBA) No change in general radial flow pattern for groundwater in Perched and Sea Level aquifers. Slight change in general west to east groundwater flow direction in the FBA on the western side of the Island

		Saltwater/freshwater interface remains offshore
2035 simulation – evaluate potential groundwater conditions under four scenarios	1. Expected impact scenario: Most probable population growth, change in land use, and climate change projections	General declines between 0 and 5 ft in Perched and Sea Level aquifers and 4–10 ft in FBA
	2. Minimal impact scenario: Lowest projected population growth, increased recharge from minimal changes in land use and climate projections	Slight increase to slight decrease (less than 5 ft) in the Perched and Sea Level aquifers and declines of up to 5 ft in the FBA
	Maximum impact scenario (exaggerated to fully stress system and are not likely to eventuate): Maximum projected population growth and decreased recharge due to changes in land use and climate	Declines less than 10 feet in the Perched and Sea Level aquifers Declines of 10–40 feet (western edge) in FBA may lead to reversal of flow to east to west No saltwater intrusion identified to end of model period (2035), but intrusion could occur if conditions persist beyond 2035
	Protection of recharge areas scenario: Delineated areas contributing recharge for water supply wells combined with	No changes in land use anticipated in areas identified by the model as recharge areas for City wells Change in water levels is the same as the expected impacts scenario

	expected impact simulation	

5.1.2. 2016 U.S. Geological Survey Model for Kitsap Peninsula

USGS, in cooperation with KPUD and several water purveyors on the Kitsap Peninsula, developed a groundwater flow numerical model to simulate transient conditions in the groundwater systems on the Kitsap Peninsula, including Bainbridge Island. Similar to Bainbridge Island, groundwater is the primary source of drinking water for most of Kitsap Peninsula. The 2016 Kitsap groundwater model expanded and made further refinements to the 2011 Bainbridge Island groundwater model (Frans and Olsen 2016). Use of a transient numerical model allowed for representation of a dynamic system where inflow, outflow, and groundwater storage change with time (Frans and Olsen 2016).

The 2016 Kitsap Peninsula groundwater model was supported by geological, hydrogeological, a water budget, land and water use, and climate (current and projected data) information described by Welch, Frans, and Olsen, 2016.

Groundwater flow in unconfined aquifers underlying Kitsap Peninsula is generally radially from the peninsula towards Hood Canal and Puget Sound. As seen on Bainbridge Island, locally, low permeability layers can influence groundwater flow patterns both vertically and horizontally.

The numerical model was used to simulate groundwater flow and to examine the effects of changes in groundwater withdrawals, consumptive use and recharge on water levels and stream baseflows (Frans and Olsen 2016). A total of six simulations illustrating effects on groundwater levels and stream baseflows from changes in groundwater withdrawals, consumptive use, and recharge.

Key findings of the 2016 U.S. Geological Survey model for Kitsap Peninsula are summarized in Table 8.

Table 8 Key Findings from 2016 USGS Model Kitsap Peninsula

Simulation	Findings
1. Steady-state (Uses average of 2005–2012 pumping rates and 30-year annual average recharge to simulate conditions)	Comparison of steady state simulation to transient simulation indicates system is not in steady state (i.e., has not reached equilibrium)
2. No pumping and return flows (Assess impacts of current pumping on streamflow and water level altitudes)	Rising water level altitudes in many areas Increased baseflow amounts between 1 and 3%
3. 15% Increase in current withdrawals in all wells and in current return flows (simulate population growth)	Overall, there is a smaller effect on the model simulations than decrease in recharge by 15% General water level altitudes in the shallow aquifer decline (0–1 feet) with localized areas of increases (0–2.5 feet) due to increased return flow Water level altitudes in deeper aquifers decline (0–2 feet)
4. Water Conservation (Decrease current outdoor water use by 80% with associated reduction in amount of water pumped)	General rising water level altitudes in shallow aquifer (0–2 feet) with localized areas of declining water level altitudes (0–3.6 ft) due to lower secondary recharge from irrigation General increase in water level altitudes in deeper aquifers (0–6 ft) due to less pumping
5. Climate change drought simulation (Decrease recharge by 15%)	Water-level altitudes decline in all aquifers Baseflow in streams decrease by as much as 18% to baseline conditions

6. Particle tracking (Assess groundwater flow paths)	Areas contributing to water supply wells were simulated

5.1.3. 2016 Aspect Model for Bainbridge Island

An update to the 2011 USGS Groundwater Model was completed by Aspect in 2016 (Aspect 2016). This update was made concurrently to, but not directly in conjunction with, the 2016 USGS Kitsap Peninsula Groundwater Model. In general, the modeling assumptions and improvements align with the 2016 USGS Kitsap Peninsula Groundwater Model. The 2016 Bainbridge Island Groundwater Model by Aspect incorporated revised recharge rates based on findings in the 2014 USGS Kitsap Peninsula Report (Welch *et al.* 2014) used to support the 2016 USGS Kitsap Peninsula Groundwater Model. Additional updates to the 2016 Bainbridge Island Groundwater Model included updated monthly water supply well pumping rates as well as revisions to modeling approach and underlying assumptions.

The 2016 Bainbridge Island Groundwater Model by Aspect was used to support a Critical Aquifer Recharge Area Assessment to define areas that provide critical recharge to aquifers used for potable water supply (Aspect 2015). The 2016 Bainbridge Island Groundwater Model also was used to assess Aquifer System Safe Yield (Carrying Capacity) (Aspect 2016).

Key findings of these two assessments using the 2016 Bainbridge Island groundwater model are summarized in Table 9.

Table 9 Key Findings from 2016 Aspect Model Bainbridge Island

Simulation	**Findings**
1. Critical Aquifer Recharge Area Assessment (based on particle tracking analysis of hypothetical particles following model-defined flow paths)	Wells in shallow aquifers (including the SLA and above) may withdraw water that originates as recharge relatively close to the well head and is younger than 100 years old.

	Wells in deep aquifers (including the Glacio-Marine Aquifer and the FBA) may withdraw water that originates as recharge relatively distant from the wellhead and is greater than 100 years old. Not all groundwater on Bainbridge Island comes from recharge on Bainbridge Island. Model results indicate several wells tapping the deeper aquifers withdraw water that originates as recharge from areas on the Kitsap Peninsula and is greater than 1,000 years old.
2. Aquifer System Safe Yield (Carrying Capacity) Assessment Simulated 3 stresses concurrently: 50% increase in groundwater withdrawal rates to simulate population growth 20% reduction in recharge rates to simulate effects of climate change 4 foot rise in sea level due to climate change	Wells within the shoreline are predicted to maintain chloride concentrations below 100 mg/L and no trends in chloride concentrations were predicted Approximately 40% decrease in groundwater drainage to surface water The predicted groundwater level changes over a 100-year timeframe were less than the City EWLs, but they do not meet the definition of sustainable yield given the measurable annual declines that are predicted. The PA system showed an average 0.10 foot per year of water level decrease at 25 locations simulated across the Island The SPA system showed an average 0.13 foot per year of water level decrease at 12 locations simulated across the Island

	The SLA system showed an average 0.09 foot per year of water level decrease at 49 locations simulated across the Island The GMA showed an average 0.02 foot per year of water level decrease at 6 locations simulated across the Island The FBA showed an average 0.15 foot per year of water level decrease at 9 locations simulated across the Island.

5.1.4. 2023 Aspect Model for Bainbridge Island

Aspect modified the 2016 Kitsap model and then used this model to assess long-term changes in groundwater conditions associated with increased groundwater withdrawal rates. Scenarios included decreased groundwater recharge rates, increased sea level, and a 50-percent increase in groundwater withdrawal across Bainbridge Island. The on-Island groundwater balance (including potential changes in the groundwater discharge to surface water) for the entire aquifer system was evaluated.

Stream boundaries that were used in the 2016 USGS model were converted to drain in the 2023 Aspect model to improve model stability. Drain boundary conditions only allow for gaining conditions in streams and do not fully describe actual groundwater/surface water interactions. Subbasins were delineated across Bainbridge Island to allow for more detailed analysis of groundwater-surface water interactions in watersheds of interest.

The Aspect 2023 model was used to evaluate three primary topics: 1) seawater intrusion, 2) rates of water level decline, and 3) impacts to streamflow. The evaluations were completed using 100-year model simulations.

Key findings from the Aspect 2023 modeling study are summarized in Table 10.

Table 10 Key Findings from 2023 Aspect Model Bainbridge Island

Simulation	Findings
Seawater intrusion	The Sea Level Aquifer system did not show seawater intrusion within the Bainbridge Island shoreline. The deeper aquifer systems (including the Glaciomarine Aquifer and the Fletcher Bay Aquifer) did not show seawater intrusion, because of thick confining units and fresh groundwater flow sourced by off-Island recharge areas.
Rate of groundwater level decline	The Sea Level Aquifer system showed an average 0.04 feet per year of water level decrease across the Island. The Glaciomarine Aquifer showed an average 0.03 feet per year of water level decrease across the Island. The Fletcher Bay Aquifer showed an average 0.05 feet per year of water level decrease across the Island.
Potential changes in streamflow	The percent reduction in streamflow as compared to the historical baseline discharge under 2021 average conditions range from 15 to 58% for the different subbasins. The average reduction was approximately 25%.

5.1.5. 2025 EA Model for Bainbridge Island

The City contracted with EA Consulting to calibrate the Bainbridge Island groundwater model initially created by the USGS and later refined by Aspect Consulting. During EA's calibration and update of the model with recent monitoring data they also refined parameters in the model such as aquifer thicknesses and locations. Detailed information on the calibration and updates can be found in the Technical Memo provided in Appendix K (EA, 2025).

The EA modeling effort considers three primary variables for evaluating future conditions: well production (pumping); groundwater recharge; and, sea level rise. Three scenarios were considered and described as Low, Mid, and High impact.

The Low Impact Planning Scenario is presented as representing the most likely future conditions.

Key findings of these three scenarios using the 2025 EA Bainbridge Island groundwater model are summarized in Table 11.

Table 11 Key Findings from 2025 EA Model Bainbridge Island

Simulation (Representation of the Bainbridge Island Groundwater System)	**Findings**
1. Low Impact Scenario with no change in recharge rates, sea level rise of 2.8 feet, and total pumping increased by a factor of 2.22	Negligible changes to the Qva unit water levels relative to current conditions. Mean groundwater levels are simulated to increase 0.1 feet in the Qva after 100 years Mean decreases in groundwater levels in the SLA range from 1 foot after 20 years to 6 feet after 100 years. This decrease is primarily centered around the South Bainbridge Wellfield. Groundwater elevations drop below sea level around the South Bainbridge Wellfield by year 50 of the simulation. Mean decreases in groundwater levels in the GMA range from 5 feet after 20 years to 33 feet after 100 years. This decrease is primarily centered around the Island Utility Wellfield. Groundwater elevations in this unit drop below sea level in the southern portion of the Island between year 50 and year 100 of the simulation. Mean decreases in groundwater levels in the FBA range from 8 feet after 20 years to 50 feet after 100 years. Groundwater levels in the FBA fall below mean sea level across the central portion of the Island at simulation year 75 (corresponding to calendar year

	2097) under the Low Impact Planning Scenario conditions.
2. Mid Impact Scenario with 7.5% decrease in recharge rates, sea level rise of 6.9 feet, and total pumping increased by a factor of 2.67	Negligible changes to the Qva unit water levels relative to current conditions. Mean decreases in groundwater levels in the SLA from 2 feet after 20 years to 6 feet after 100 years. This decrease remains primarily centered around the South Bainbridge Wellfield. Mean decreases in groundwater levels ranging from 10 feet after 20 years to 46 feet after 100 years. The portion of the aquifer unit with groundwater elevations below mean sea level expands past the footprint of the Island quicker (by year 50), and to a greater overall extent (by year 100) in the Mid Impact Planning simulation as compared to the Low Impact Planning simulation results. Mean decreases in groundwater levels in the FBA ranging from 16 feet after 20 years to 71 feet after 100 years. The portion of the aquifer unit with groundwater elevations below mean sea level expands past the footprint of the Island quicker (by year 50), and to a greater overall extent (by year 100) in the Mid Impact Planning simulation as compared to the Low Impact Planning simulation results.
3. High Impact Scenario with 20% decrease in recharge rates, sea level rise of 6.9 feet, and total pumping increased by a factor of 2.67	Water levels in the Qva unit decrease 5 feet by year 100. Mean groundwater levels in the SLA did not show an increased impact due to reduced recharge until year 100, when mean groundwater levels were simulated to be 10 feet below current conditions.

	Reduction in recharge resulted in an additional mean groundwater level decrease relative to the mid-impact scenario of 4 feet and 5 feet in the GMA and FBA, respectively, by year 100. In general, the timing of when the mean groundwater level in the GMA and FBA drops below mean sea level, and the extent of drawdown in the FBA was not significantly impacted by the further reduction in recharge.

5.1.6. 2026 Keta Water Equilibrium Modeling

The City contracted with Keta Waters to run the 2025 EA model in steady-state mode using a range of annual average recharge rates and annual average withdrawal rates. The 2025 Aspect model was also run in steady-state mode, and the results were compared with the steady-state results from the 2025 EA model.

Key findings using the 2026 equilibrium models are summarized in Table 12.

Table 12 Key Findings from 2026 Keta Waters equilibrium models

Simulation	**Findings**
Current recharge rates and removal of all wells.	Eliminating all wells results in an increase in stream flow of approximately 4%.
Precipitation recharge ranging from 80% of current estimates to 120% of current estimates	A 20% reduction in recharge results in a decrease in streamflow of 20% to 30%. A 20% increase in recharge results in an increase in streamflow of 20% to 30%.
Removal of existing septic return flow.	Eliminating all septic return flow results in a decrease in stream flow of approximately 7% to 10%.
FBA well withdrawal increased by 50%	Increasing the pumping rates in the FBA by 50% results in water level declines of roughly 8-10 feet in the EA model and 2 to 4 feet in the Aspect model.

FBA well withdrawal increased by 50% and recharge reduced to 80% of current estimates	Combined effects of increased pumping and reduced recharge result in water level declines of roughly 16-18 feet in the EA model and 6-8 feet in the Aspect model, relative to current levels.

6. Problem Definition / Water Quality and Quantity Issues

One of the primary objectives of the Groundwater Management Plan is to ensure clean and sufficient groundwater for the natural environment and for water supply for future generations. As discussed in Alley et al. (1999), achieving this objective requires estimates of the amount of groundwater that can be developed and used, for an indefinite time, without causing unacceptable environmental, economic, or social consequences. This sustainable yield is controlled in large part by site-specific characteristics of the local groundwater system that typically contain large and inherent uncertainties.

Estimates of sustainable groundwater yields can be derived from site-specific modeling results, from site-specific estimates of water balances, and from a review of past practices at other locations. These approaches are described in the sections that follow.

6.1 Key Analyses from Groundwater Evaluations and Modeling

One of the main objectives behind the development of each of the five models summarized in Section 5 was to provide information to help estimate sustainable groundwater yields and to inform groundwater management actions. It is important to note that groundwater models do not directly calculate sustainable yields. Rather, the models provide information that can help support policy decisions and management actions related to:

- The amount of groundwater that is pumped;
- The amount of human-made recharge that is provided;
- The impacts to surface water habitats that are acceptable; and,
- The degree of risk associated with seawater intrusion that is tolerable.

Specific outputs from the groundwater models that are relevant for estimating sustainable yields include:

- The effects of pumping and groundwater recharge on groundwater contributions to streams and other surface water features; and,
- The effects of pumping and groundwater recharge on groundwater levels.

The models are capable of providing estimates of these effects into the future for a range of pumping and recharge scenarios under varying degrees of sea-level changes. To estimate sustainable yields from model output, decisions must be made regarding acceptable levels of impacts to surface-water habitats and acceptable levels of risk of aquifer depletion and sea water intrusion. These acceptable levels will depend on community values and risk tolerances.

All five models identified in Table 6 and discussed in Section 5 were used to investigate future pumping and recharge scenarios. Table 13 provides an overview of scenarios considered in the different model applications.

Table 13 Overview of scenarios considered in the different model applications

Groundwater Model	Example pumping scenarios	Example recharge scenarios	Sea level scenarios	Future scenario time frame
2011 USGS Bainbridge Model (USGS, 2011)	Water use increases by 1.3x (1%/year for 35 years) and 2.5X (3.75%/year for 25 years).	Approximately 4% reduction to +7% increase	Not considered	2009-2035
2016 Aspect Bainbridge Model (Aspect, 2016)	1.5X increase in groundwater withdrawal rates	20% reduction	4 feet increase	2015-2115
2016 USGS Kitsap Model (USGS, 2016)	1.15X increase in current withdrawals in all wells and in current return flows	15% reduction	Not considered	2005-2012
2023 Aspect Bainbridge Model (Aspect, 2023)	Pumping and septic return increased by 1.5X and held	20% reduction	4 feet increase	2022-2121

	constant for 100 years.			
2025 EA Bainbridge Model (EA, 2025)	2.2X, 2.3X, and 2.4X increase in net production (gross production minus return flow)	Reductions of 0%, 7.5% and 20%	2.8 and 6.9 feet increases	2022-2121
Keta Waters Equilibrium Modeling (Keta Waters, 2026)	Well withdrawal and septic recharge reduced by 50% (0.5X) and increased by 50% (1.5X)	Reductions of 20% and 50% and increases of 20% and 50%	Not considered	Not considered

While the model applications differ in terms of how future scenarios were defined, there are some common findings that can be generalized, as follows.

Model evaluation of impacts on surface water flow.

- All models show that impacts of reduced recharge are significantly larger than impacts from increased pumping.
- Changes in recharge have a roughly 1:1 impact on changes in stream flow. For example, USGS (2016) showed that baseflow in streams decreased by as much as 18% in response to a 15% reduction in recharge. Keta Waters (2026) showed that a 20% reduction in recharge caused groundwater flow to surface waters to be reduced by approximately 25%. Similarly, a 20% increase in recharge caused groundwater flow to surface waters to increase by approximately 25%.
- Combined effects of increased pumping and reduced recharge likely amplify impacts. For example, Aspect (2016) showed that a 50% increase in groundwater withdrawal combined with a 20% reduction in recharge rates resulted in groundwater flow to surface waters to be decreased by approximately 40%. As noted in Table 9, a relatively low recharge rate was used for base-case conditions in this model, so that a 50% increase in water withdrawals represented a larger fraction of recharge than in other models.

- Aspect (2023) showed that a 50% increase in pumping combined with a 20% decrease in recharge results in groundwater flow to surface waters to be reduced by approximately 25%. Although the effects of pumping and recharge were not considered separately, it is likely that most of this impact is from the decrease in recharge.
- Keta Waters (2026) showed that eliminating all septic return flow without changing groundwater withdrawal rates would cause average groundwater flow to surface waters to be reduced by approximately 8-10%.
- Pumping wells in deeper aquifers affects water levels in shallow aquifers and groundwater flow to surface waters. For example, Keta Waters (2026) suggests that the impact on groundwater flow to surface waters was equal to approximately 10% of the pumping rate for wells in the FBA (i.e., increasing the FBA pumping rate by 250 gallons per minute (gpm) reduces groundwater flow to surface waters by approximately 25 gpm.) By comparison, the estimated impact from pumping in more shallow aquifers was 89% for the PA, 72% for the SPA, 60% for the SLA and 14% for the GMA. It should be noted that pumping in the SLA results in smaller water level declines that equilibrate more quickly, compared to pumping in the FBA (T. Colby, KPUD, personal communication).

<u>Model evaluation of Impacts on groundwater levels.</u>

- Saltwater intrusion into aquifers will eventually occur if groundwater levels fall below sea level. In most scenarios that have been considered, groundwater levels in deeper aquifers remain higher than sea level. (It should be noted that the water levels from the model represent average values over an area of approximately 6 acres. The model values do not represent levels in individual wells.)
- Model results suggest groundwater levels fall below sea level for scenarios with groundwater pumping rates that are more than 2x higher than current levels. These include scenarios described in USGS (2011) and EA (2025). As noted in USGS (2011), these scenarios represent extreme stresses, and do not reflect anticipated conditions.
- Groundwater levels remain above sea level for scenarios with groundwater pumping rates that are less than 1.5x higher than current rates. These

include scenarios described in Aspect (2016), USGS (2016), Aspect (2025), and Keta Waters (2026).

- Decreasing recharge rates by 20% while simultaneously increasing pumping rates in the FBA by a factor of 1.5x (from approximately 500 gpm to 750 gpm) results in water level declines in the FBA in the range of 10 to 20 feet (Keta Waters, 2026). Water levels remain above sea level in this scenario.

6.2 Water Budgets

Based on a review of studies from 2000-present, Keta Waters identified two explicit water budgets that fully account for all major sources and sinks of groundwater:

- Frans et al. 2011 reports water budgets for pre-development and 2008 conditions. In addition to total groundwater system water budgets (Table 13), water budgets for individual aquifers are presented (Figure 30 and Figure 31). The pre-development scenario is defined by an Island-wide conifer forest land type, and 1970-2000 climatological precipitation.
- Aspect 2016 reports water budget for current (1995-2014) and projected conditions (Table 13). The "projected" scenario is a hypothetical scenario that very roughly corresponds to a period from 2014-2100; see Aspect 2016 for a complete definition. Aspect 2016 cautions that "[t]hese groundwater balance results should be carefully interpreted, considering that the limited grid resolution may not be sufficient to accurately simulate groundwater discharge to surface water, and that the model has not been calibrated to observed flows."

Table 14 Water Budget Comparison

Water Balance Component	Frans et al. 2011 "Pre-development" (AFY)	Frans et al. 2011 "2008 Conditions" (AFY)	Aspect 2016 "Current" (AFY)	Aspect 2016 "Projected" (AFY)
Recharge	30,000	18,000	13,675	11,232
GW Underflow	-11,000	-9,000	-7,249	-5,134
SW Drainage	-19,000	-16,000	-3,870	-2,305

Well Pumping	0	-2,000	-2,559	-3,839
GW Change in Storage (=Recharge + GW underflow + SW drainage + well pumping)	N/A	-9,000	N/A	N/A

Notes on sources and modifications:
Reproduced from Table 8 in Frans et al. 2011 and Figure 6 in Aspect 2016.
Units in Figure 6 of Aspect 2016 are converted from million gallons per year to AFY.
GW underflow refers to the difference between GW flow coming in primarily from Kitsap County to the west, and GW flow out primarily to Puget Sound. When there is more flow out to the Sound than in from Kitsap County, GW underflow is negative.
Data from Table 8 in Frans et al. 2011 is adapted to match the budget components reported in Figure 6 of Aspect 2016. Note that for 2008 conditions, Table 8 in Frans et al. 2011 contains an apparent error: the individual flux components and change in groundwater storage do not balance. To balance the budget we assume that the change in storage was -9,000 AFY rather than the -10,000 AFY reported by Frans et al. 2011.

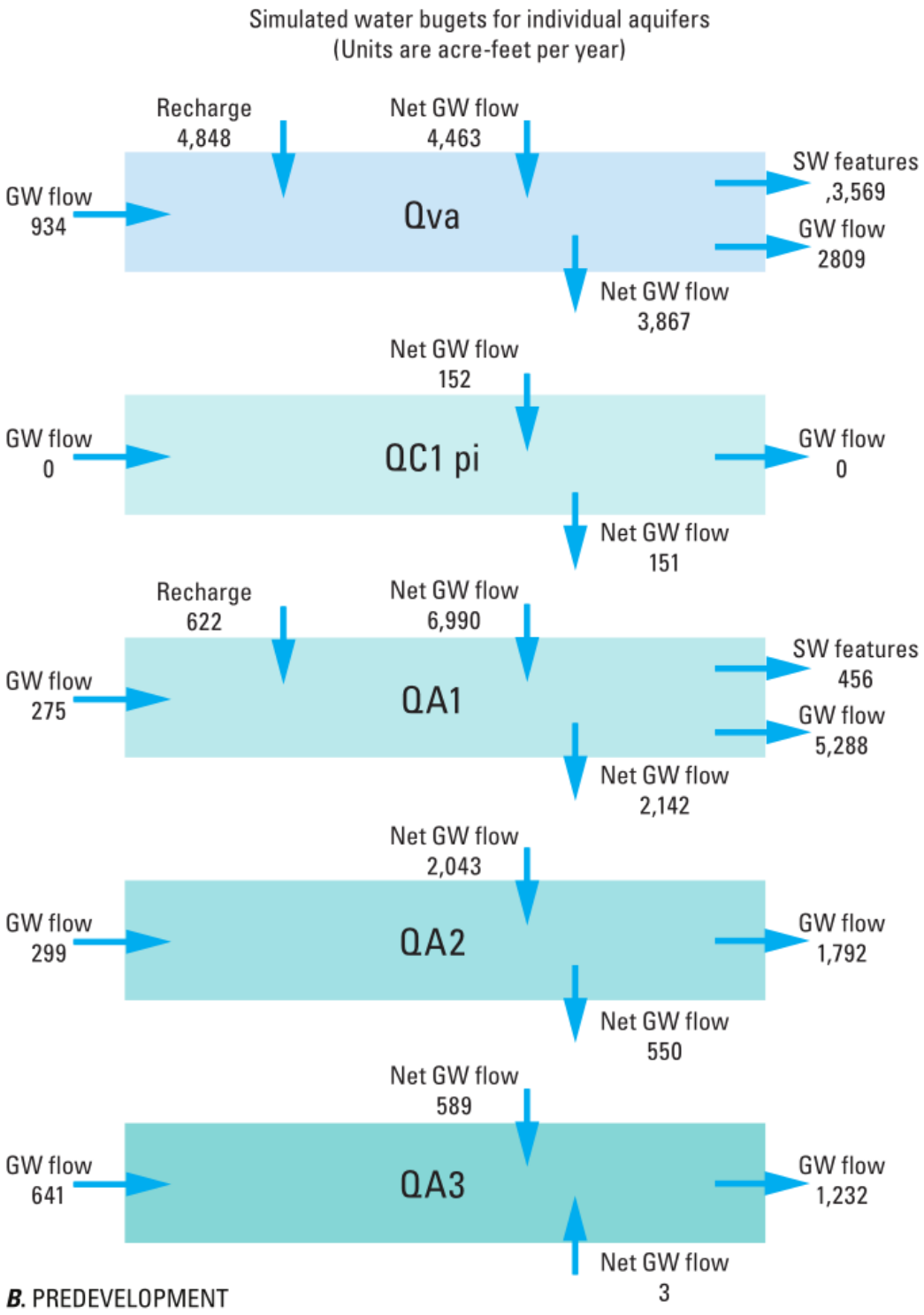


Figure 30 Pre-development water balance for individual aquifers

Source: Frans et al. 2011.

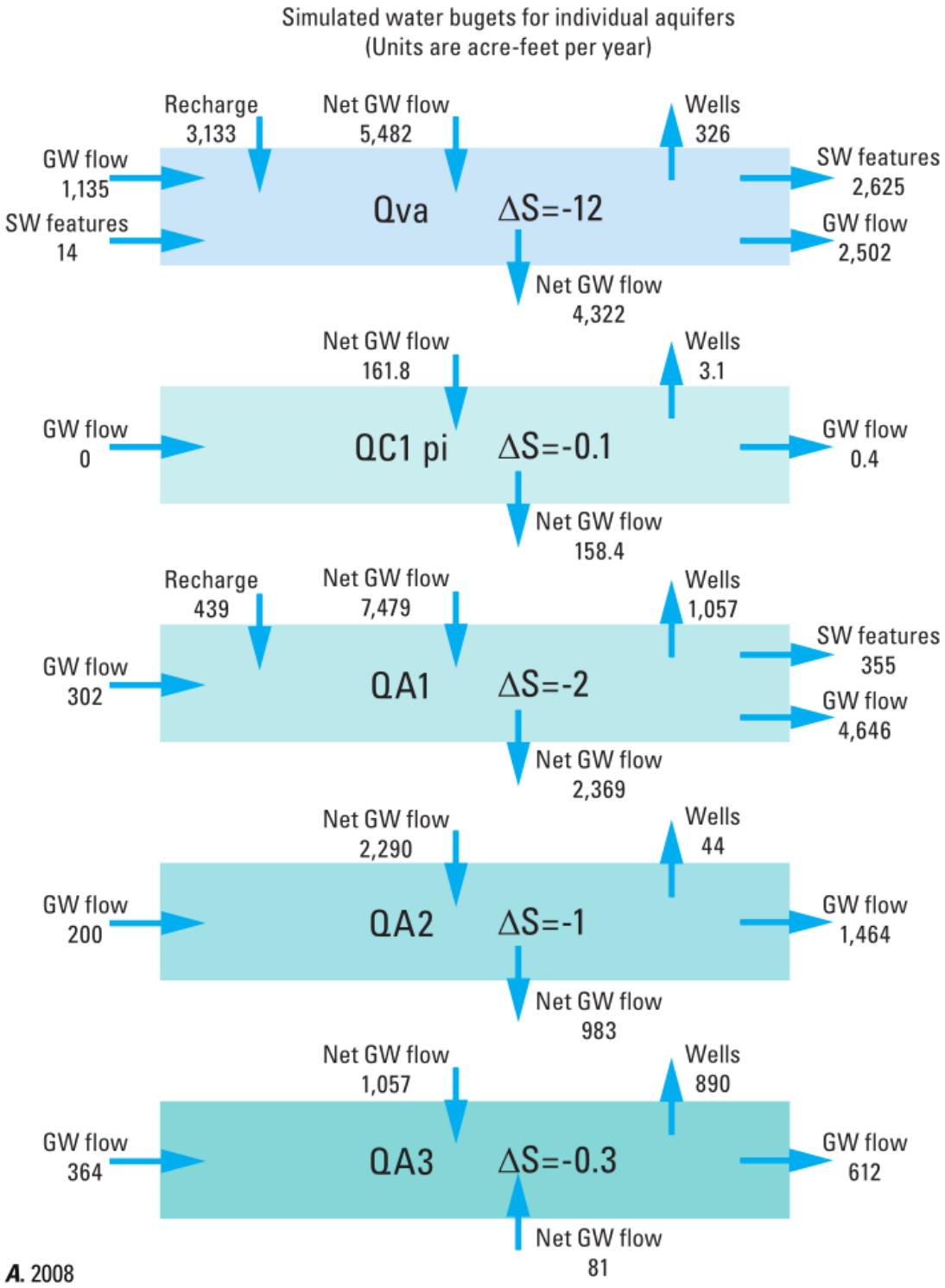


Figure 31 Developed water balance for individual aquifers, 2008

Source: Frans et al. 2011

While these are the only two studies reviewed with fully accounted water budgets, there are more studies with information on specific components of the water budget. Specifically, we focus on recharge (Section 6.3) and pumping (Section 6.4), because recharge is the natural source of water that replenishes the entire groundwater system, and pumping is the primary human process through which the groundwater system is depleted. Any sustainable use of groundwater (Section 6.6) will require a balance between recharge and pumping.

6.3 Recharge from Precipitation

The primary source of water driving the water balance is recharge from precipitation. Recharge is the water that percolates down past the root zone of plants and into the groundwater system. Recharge is the natural source of replenishment for the groundwater system. Unfortunately, in addition to being the quantity that drives water availability in the groundwater system, recharge is also highly uncertain. It is impossible to reliably measure on the scale of Bainbridge Island and estimating it with models is highly uncertain. Recharge estimates in past work varies over a wide range, from 13,675-30,000 AFY (Table 15). This wide range of recharge estimates is consistent with recharge's inherent uncertainty. Analyses for Vashon Island (Table 14) and the broader Pacific Northwest (Li et al. 2001) exhibit a similarly wide range of physically plausible recharge estimates. We cannot rule out any of the estimates in Table 15 and no single recharge estimate is "correct," although it should be noted that the 30,000 AFY estimate is for conceptual "pre-development conditions" rather than for current conditions.

Table 15 Estimates of Recharge

Recharge (AFY)	Source
7,331-24,045	Vashon Island recharge (King County 2026) re-scaled to BI area
13,675	Aspect 2016, based on USGS model
17,337	KW estimate from EA model
18,726	KW estimate from Aspect model
18,000	Pg. 68 of Frans et al. 2011; for 2008 (drier year)
18,920	"Empirical method" of KWRN 2000
19,067	"budget method" of KWRN 2000
23,100	Pg. 39 of Frans et al. 2011; average of 2007-2008

24,053	“regression method” of KWRN 2000
30,000	Pg. 68 of Frans et al. 2011; pre-development: 1970-2000 climatology, developed land replaced with conifer forest.

6.4 Pumping

Table 16 provides pumping estimates from Keta Waters' review and estimates from input files to previously developed groundwater models. A pumping range of 2,000-3,000 AFY appears to be a reasonably conservative range to encompass current and near-future pumping conditions.

Table 16 Estimates of Pumping

Pumping (AFY)	Source
2,000	2008 conditions, pg. 68 of Frans et al. 2011
2,267	KW estimate from EA model
2,560	Aspect 2016, based on USGS model
2,590	KW estimate from Aspect model
2,593	Table 14 of EA 2025
3,329	KWRN 2000-based projection for 2014

6.5 Return Flow

Some fraction of the water pumped out of the ground returns through septic systems, system leakage and downward percolation of excess irrigation. Septic return from about 6,000 septic systems accounts for the majority of return flows on Bainbridge Island.

Keta Waters developed their own estimates of septic recharge, testing the sensitivity of assumptions about indoor water use (Table 15). EA's previous analysis assumes that all water use, up to 162 GPD/ERU is indoor use, and 90% of indoor water use returns to the groundwater or wastewater treatment system for those homes served by sewer (EA 2025). However, there are data to suggest that indoor water use on the Island is less than 162 GPD/ERU: the City of Bainbridge Island Group A system’s average water use is 164 GPD, which certainly includes outdoor water use. Additionally, following EA's assumptions 78% of the water used by homes on private wells returns to the groundwater, but in Frans et al. 2011 and Welch et al. 2014 a lower portion is assumed (70%), and an analysis for the South

Bainbridge Island system found the fraction to be ~67%. Keta Waters estimates were based on an assumption of 6,000 on-site septic systems Island-wide, total system pumping of 2,500 AFY, an ERU size of 2.5 people (EA 2025), and a system leakage fraction of 5%. Shifting assumed indoor water use from 162 GPD/ERU to 100 GPD/ERU reduces septic return flow from 1,220 AFY (49% of pumping) to 856 AFY (34% of pumping); this is a hypothetical sensitivity experiment guided by the documented per capita water use of a particularly efficient Group A system (Section 6.6.3) for which it may be safe to assume that the vast majority of water use is indoor use. Based on this sensitivity to indoor water use assumptions, and the high assumed indoor water use in EA's methods, EA/Aspect return flow fractions may be artificially elevated. A return flow fraction of 40-50% strikes a balance between more conservative estimates of indoor water use and EA's approach. Septic return flow substantially reduces the net consumptive use of groundwater pumping. Comparing return flow (Table 17) to recharge (Table 15), return flow is about 4-11% of recharge.

Table 17 Estimates of Return Flow

Return flow (AFY) [% of pumping]	Source
1,360 [68%]	KW estimate from EA model
1,570 [61%]	KW estimate from Aspect model
1,220 [49%]	KW estimate: EA 2025 indoor use (162 GPD/ERU) 80% consumptive outdoor use.
856 [34%]	KW estimate: 100 GPD/ERU indoor use; 90% consumptive outdoor use (WADOE 2009)

6.6 Sustainable Yield

Keta Waters estimated sustainable yield based on ideas in Ponce 2007. Ponce 2007 reviews sustainable yield, acknowledges its subjectivity, and develops pragmatic approaches to quantify sustainable yield based on available data, conceptual models, and diverse case studies. These sustainable yield estimates apply to the total consumptive use of pumping from all aquifers and do not specify which specific aquifers and locations to pump from. As such, they are based on an assumption that wells are thoughtfully located to minimize impacts to surface waters and other systems of social and ecological interest.

All the sustainable yield methods presented are based on the conceptual idea that prior to intensive development, systems (geologic, ecological, etc.) are in a state of dynamic equilibrium with water flows (surface and groundwater). The sustainable yield is a pumping amount that would impact this dynamic equilibrium without having unacceptable impacts to surface water habitats. A sustainable yield relies on an assumption that within a pre-development dynamic equilibrium, there is some portion of water which is "extra" or "unused". For example, deep groundwater flow to the ocean or percolation to deep aquifers may be considered water "lost" to the system: it is not easily accessible by most relevant ecological processes. A sustainable yield is pumping that captures this extra water, while not inducing unacceptable impacts to surface waters. When applying this theory to the Bainbridge Island system, we include outflow to the Puget Sound through the deep aquifers as "deep percolation".

Ponce 2007's theory relies on an assumption that deep percolation is independent of surface waters that support ecological functions. In reality, there will almost always be some hydraulic connection between deep percolation fluxes and fluxes higher up in the water column, including at surface water boundaries (Section 6.1). But the important point is that for sustainable yield, we are interested in the fluxes of water that leave the system, and *that are mostly independent of surface waters*. The more hydraulically disconnected the flux from the surface water, the more confidence we have that the flux of water is extraneous to the surface water system and can be included in the estimate of sustainable yield. For Bainbridge Island, the Fletcher Bay Aquifer (FBA) is the most hydraulically disconnected aquifer from the surface, but the Glaciomarine Aquifer (GMA) is also reasonably disconnected from the surface, given past modeling demonstrating there is limited direct inflow/outflow between surface water bodies and the GMA (Frans et al. 2011). However, the FBA has one more confining layer of hydraulic disconnection from the surface than the GMA, so the FBA is more independent of surface waters, relative to the GMA. Quantifying sustainable yield as deep percolation to and through the FBA is in some sense "safer" than including deep percolation to and through the GMA.

An important consideration is that "[f]or groundwater basins lying in close proximity to the ocean, the capture of all or fractions of deep percolation should be

examined carefully because of the possibility of salt-water intrusion" (Ponce 2007). However, in Section 5.1.5, modeling suggests that hydraulic heads in the deep aquifers are maintained well above sea level, even for elevated pumping scenarios.

We consider three methods of estimating deep percolation and sustainable yield: "precipitation-based", "recharge-based" and "model-based":

- precipitation-based: "On a global basis, deep percolation amounts to about 2% of precipitation. In the absence of basin-specific studies, this figure may be used as a point-of-start on which to base sustainable yield assessments" (Ponce 2007)
- recharge-based: "a reasonably conservative estimate of sustainable yield would be 10% of recharge. Limited experience indicates that average values of this percentage may be around 40%, while less conservative percentages may exceed 70% (Miles and Chambet, 1995; Hahn et al., 1997). The current concept of sustainable yield represents a compromise between theory and practice. In theory, a reasonably conservative estimate of sustainable yield would be about 10% of recharge. In practice, values higher than 10% may reflect the need to consider other factors besides conservation" (Ponce 2007). Keta Waters uses the more conservative estimate of 10% of recharge.
- model-based: Frans et al. 2011's simulations of Bainbridge Island groundwater flow for pre-development conditions provide direct estimates of groundwater outflow to the oceans through deep percolation. However, these estimates are subject to the considerable uncertainties of the groundwater model. "Deep percolation" can be defined at different layers and locations in the model; to test the definition's sensitivity to location, Keta Waters defines deep percolation four ways:
    - "GMA deep percolation": vertical downward flux into the GMA.
    - "FBA deep percolation": vertical downward flux into the FBA.
    - "FBA outflow to Sound": flux from the FBA to Puget Sound.
    - "FBA + GMA outflow to the Sound": flux from both the FBA and GMA to Puget Sound.

Table 18 Estimates of Sustainable Yield

Sustainable yield (AFY)	Method
1,026-1,232	2% of precipitation (35-42 in/yr)
1,367-3,000	10% of recharge (Table 14)
2,043	GMA deep percolation (Figure 30)
589	FBA deep percolation (Figure 30)
1,232	FBA outflow to Sound (Figure 30)
3,024	FBA + GMA outflow to Sound (Figure 30)

Estimates of sustainable yield based on the above methods range from ~600-3,000 AFY (Table 17). However, considering only FBA percolation as deep percolation (589 AFY) is quite conservative, given that overlying GMA percolation is itself separated from surface waters by a confining layer. A more reasonable range of sustainable yield may be ~1,200-3,000 AFY, ignoring the conservative definition of deep percolation as only vertical flux into the FBA. This range is also mostly mutually consistent across precipitation-, recharge-, and model-based estimates of sustainable yield. This sustainable yield estimate applies to total consumptive use, and while it does not specify where water should be sourced (e.g., which aquifer, location, and season), it assumes that water is sourced to minimize, as much as possible, impacts to systems of social and ecological importance. The pre-development estimate of recharge is included in the recharge-based estimate of sustainable yield because of the pre-development concept used in Ponce 2007's guidelines, and because it is consistent with modeled outflow through the FBA and GMA. It is important to interpret all these estimates in light of their subjectivity: "Alley et al. (1999) defined groundwater sustainability as the development and use of ground water in a manner that can be maintained for an indefinite time without causing unacceptable environmental, economic, or social consequences. The definition of 'unacceptable' is largely subjective, depending on the individual situation" (Ponce 2007). Ultimately "unacceptable" must be collectively defined, and systems must be measured and monitored to ensure unacceptable thresholds are not crossed.

6.6.1 Sustainable Yield and Current Pumping

Assuming current pumping is between 2,000 and 3,000 AFY (Section 6.4) and return flow is 40-50% (Section 6.5) then total consumptive use is ~1,000-1,800 AFY. Because sustainable yield is ~1,200-3,000 AFY, uncertainty is too high to conclude definitively whether current pumping is sustainable or unsustainable. If sustainable yield is on the high end of the estimated range, then current consumptive water use is almost certainly sustainable. However, if sustainable use is on the low end of the estimated range, and consumptive use is on the mid- to high-end of the estimated range, then current water use is unsustainable.

6.6.2 Sustainable Yield and Legally Allowed Pumping

Currently water rights on Bainbridge Island are over-allocated: as of 2000, permitted groundwater and surface water rights are 7,561 AFY (5,378 groundwater, 2,183 surface water; KWRN 2000). If all these water rights were fully utilized, pumping would almost certainly be unsustainable. This does not include usage from approximately 1,700 (and increasing) private wells. The current state of water rights and private wells limits legal tools to ensure sustainable water use.

6.6.3 Sustainable Yield and a Lower Bound on Residential Pumping

Place 18 HOA, a Group A water system serving 18 townhouses/condos, has successfully reduced per capita water usage to 39 gal/person/day (WADOE WUE reports). This water usage does not include irrigation of common areas, which are counted on a separate meter.

Place 18 HOA water usage can be used to give a rough estimate of an achievable lower bound on residential water use on Bainbridge Island. As a thought experiment, if every resident on Bainbridge Island used as much water as Place 18 residents, total residential pumping would be 1,085 AFY for a 2020 census population of 24,825. If we assume that return flows are maintained at 40-50%, then consumptive use would be ~540-650 AFY, which is almost certainly sustainable with room to grow. In reality return fraction will most likely increase with decreases to water use, because it is usually easier to reduce (highly consumptive) outdoor water use than indoor water use. This effect would further decrease consumptive use relative to this estimate.

6.7 Overall Summary of Analysis

The previous sections present information that can inform estimates of sustainable groundwater yields for Bainbridge Island. This information includes 1) results from groundwater modeling, 2) estimates of water balance components on Bainbridge Island, and 3) information on sustainable yields from past practices at other locations. Sustainable yields will allow development and use of groundwater for water supply without adversely impacting surface water systems and without causing saltwater intrusion into freshwater aquifers.

Modeling results suggest that significant saltwater intrusion is unlikely if groundwater extraction is less than approximately 3,000-4,000 AFY. This rate of withdrawal may or may not be sustainable in terms of acceptable impacts to surface water systems.

The groundwater modeling results also suggest the surface water system is highly sensitive to rates of groundwater recharge from precipitation and from septic return flow. Changes in recharge have a roughly 1:1 impact on changes in groundwater flow to surface waters. For example, a 20% decrease in recharge rates translates into roughly a 20% decrease in groundwater flow to surface waters, based on modeling results from several different studies. On the other hand, pumping in deeper aquifers has a comparatively smaller impact on surface waters. For example, results from equilibrium modeling (Keta Waters, 2026) suggest that the impact on groundwater flow to surface waters is equal to approximately 10% of the pumping rate for wells in the FBA. (Increasing the FBA pumping rate by 250 gpm reduced groundwater flow to surface waters by approximately 25 gpm.)

Maintaining or increasing groundwater recharge while controlling or reducing shallow groundwater withdrawal will limit impacts to surface waters. Additional water supplies may be available through pumping in deeper aquifers. Water balances for deeper aquifers suggest a reasonable range of sustainable yield from these deeper aquifers may be approximately 1,200-3,000 AFY, as discussed in Section 6.6. This range is also consistent with information on sustainable yields from past practices at other locations. As a point of comparison, estimates of current total pumping from both shallow and deep aquifers on Bainbridge Island is

approximately 2,500 AFY, as discussed in Section 6.4, and net consumptive use is 1,000-1,800 AFY (Section 6.6.1).

Current rates of water consumption on Bainbridge Island are significantly higher than what can be achieved through water conservation practices. These conservation practices provide an opportunity for population growth while limiting additional risks to surface water systems. Increasing recharge combined with reducing water consumption through conservation provide the most effective and certain actions for achieving the City's goal of ensuring clean and sufficient groundwater for the natural environment and future generations.

7. Management Actions

7.1 Introduction

This section presents management strategies to address threats to ground water quality and quantity from potential changes to groundwater supply and demand. Changes that could be quantified as input to and output from the Bainbridge Island groundwater model were used to model and quantify potential impacts resulting from those changes. The management strategies presented here are designed to avoid and mitigate these impacts while maintaining beneficial uses and interests. Mitigation strategies are presented in four categories:

- **Proactive –** actions that will have a direct impact on groundwater resources
- **Prevention –** actions that will have an indirect impact on groundwater resources
- **Data Collection –** actions that provide new or more data that informs groundwater resources
- **Information Management –** actions that improve the utility of existing or new data

Management strategies are intended to integrate with existing programs and regulatory structures, building on current efforts rather than replacing or duplicating them. For example, Bainbridge Island has an existing stormwater management permit and program that includes requirements to protect

groundwater. Groundwater management strategies involve using stormwater in ways that mimic and enhance pre-disturbance hydrologic processes, including infiltration. This plan recognizes existing programs with overlapping objectives and actions, and includes additional measures designed to protect groundwater resources and mitigate undesirable impacts. It is acknowledged that many of the management strategies will require several years to implement and adaptive management.

It is also important to recognize that the City and other partners have worked to understand and sustainably manage the groundwater since at least 1956. The following table is an incomplete summary of those efforts.

Table 19 Past Groundwater Management Actions

Who	What	When
U.S. Geologic Survey	8 studies on the water resources of Bainbridge Island	1956-2016
City of Winslow	Ordinance restricting development that adversely impacts aquifer recharge.	1980
Kitsap Public Utility District	Watershed planning for streamflow restoration	1997
City of Bainbridge Island	Winslow Water System Conservation Plan	2005
City of Bainbridge Island	Water Use Efficiency goals set for water system	2015
City of Bainbridge Island	Aquifer Recharge Protection Area added to the BIMC	2017

WA Department of Ecology	Watershed planning for streamflow restoration	2019

7.2 Proactive Actions

For the purposes of the GWMP, Proactive Management Strategies are defined as Groundwater Management Strategies that proactively implement a project or process to mitigate an impact and/or physically benefit the resource.

7.2.1 Spatially Diversify City Production Wells

Results from the groundwater modeling scenarios indicate large drawdowns in the deeper aquifers may be associated with large increases in groundwater withdrawals over time. Large drawdowns, especially if water levels drop below MSL for extended periods of time, are not a desirable condition in Island aquifers used for municipal water supply because marine water can migrate into the aquifer degrading water quality.

Spreading out municipal production wells across the Island would help minimize well interference and reduce drawdown in the aquifer around major pumping centers which would help reduce the potential for seawater intrusion. In addition, using production wells further north would move large withdrawals further away from the Bedrock Aquifer which acts as a no-flow boundary, increasing drawdown because smaller amounts of groundwater can move from the Bedrock Aquifer toward the production wells, increasing drawdown. The groundwater model could be used to evaluate potential new well sites to optimize pumping while minimizing well interference.

Adding new production wells outside of the City's current service area would be quite expensive, as installation of new water lines, pumps and potentially new storage facilities would likely cost tens of millions of dollars. However, excessive drawdown predicted by the groundwater model is still several decades in the future. Thus, should the City wish to pursue this Management Strategy, there are likely many years to plan and fund the project.

7.2.2 Intertie and Coordinate Operations and Monitoring with KPUD

Similar to the previous Management Strategy, connecting the City's water system with KPUD's North and South Bainbridge water systems would likely aid in spreading out large municipal withdrawals and reduce well interference at the City's pumping centers. However, it would also provide redundancy and increase resiliency as more wells are connected to a common system. It could also allow for increased coordination of pumping between the three largest public water systems on the Island, which could aid in reducing drawdown around pumping centers.

The groundwater model could be utilized to develop optimized groundwater withdrawal scenarios while minimizing well interference across all three systems. In addition, a larger customer base could help spread out shared costs for new infrastructure, which is likely to be very expensive if additional wells, water mains, pumps and storage is needed.

This potential management strategy would likely require years of coordination, planning, permitting, funding and building but it is likely to benefit customers in the three largest water systems as well as reducing risks of excessive drawdown and seawater intrusion.

7.2.3 Consolidate Smaller Water Systems with Larger Water Systems

In addition to the three large municipal water purveyors and several smaller Group A and B water systems, there are hundreds of water wells serving single family and small group domestic users on Bainbridge Island. Each of these wells is independently operated with likely little to no coordination between water users. Each well owner is responsible for operation and maintenance of their well and each well is a potential conduit for contaminants to get into the aquifer from surface sources.

Interties and consolidation of single and small group users with larger water systems could benefit management of groundwater resources on the Island. Over time, poorly constructed, aging wells would likely be decommissioned, water quality sampling will become more reliable and coordination between water users is likely to increase if fewer water systems are operating on the Island. Again, this could minimize or eliminate well interference issues between water users, resources could be combined and systems could be managed and run more efficiently. Larger

water systems are also more likely to be able to develop and implement effective water conservation programs. Although there are likely many individuals who prefer to own and operate their own well, reducing the number of operators and water systems is likely to improve coordination and management of groundwater resources and reduce costs for individual users.

7.2.4 Pursue Managed Aquifer Recharge

Managed Aquifer Recharge (MAR) is a term regarding intentionally engineered groundwater recharge. Source water is often captured during flashy events during storms and spring runoff, infiltrated on the surface, and recovered downgradient, at the recharge location, or used to passively improve stream flows and aquatic habitat. Water storage is provided in the subsurface instead of conventional reservoirs such as dams and water towers.

Aquifer Storage and Recovery (ASR) is a MAR method that recharges water directly into an aquifer through a well. In most ASR projects, water is recharged through a well and allowed to remain in the aquifer, being stored until the water is needed and withdrawn from the same well, or possibly down-gradient wells if the stored water has migrated away from the injection well during the storage period.

ASR is presented as a potential Management Strategy that could potentially provide water stored in an aquifer for use later in the year. This could potentially mitigate declining water levels in an aquifer or be used to create a hydrologic divide in an aquifer to prevent seawater intrusion. However, investigating, testing and permitting an ASR project is expensive and could take several years. And a reliable source of high-quality water is required for recharge, which is not likely to be available on Bainbridge Island unless groundwater is pumped from one location and aquifer and recharged in another.

7.2.5 Evaluate and Implement Reclaimed Water Use

Use of reclaimed water from the Winslow Wastewater Treatment Plant is a potential Management Strategy that could be used for irrigation in lieu of potable water use or infiltrated to provide additional baseflow discharge to streams. In January 2024 the City completed a preliminary groundwater recharge favorability evaluation (Anchor QEA 2024) to support the identification of types and locations for potential reuse with a focus on groundwater recharge via infiltration. Favorable

sites for potential groundwater recharge were identified within the Island core, including the retail water and sewer service area and bands of the Island immediately north and south, in addition to peripheral areas of the Island. A summary of these identified locations, as well as the principal factors driving their selection and further study needs or key uncertainties, is provided in *Table 20*.

Table 20 Summary of Potential Groundwater Recharge Sites

Site Identification		**Site Consideration**	
Island Area	**Site Name**	**Selection Bias**	**Key Uncertainties**
Island Core (Water and Sewer Area)	Grand Forest East and West	High score; public land	Easements; geohazards
	Sakai Park/Bainbridge High School	Moderate to high score; public land; proximity to existing infrastructure	Till thickness; mapped aquifer characteristics
	Eagle Harbor West	High score; public land; proximity to existing infrastructure	Land use; well field considerations
Island Periphery (North and South)	Manzanita Park	High score; public land	Aquifer thickness/connectivity
	Agate Point		

Source: Anchor QEA 2024

Use of reclaimed water is permitted by Ecology's Water Quality Program or the Washington State Department of Health (Health) in accordance with Chapter 90.46 RCW and Chapter 173-219 WAC. Health and Ecology are both required to review reclaimed water proposals. The agencies work together to determine if proposed treatment methods and uses will protect public health and the environment, and not affect existing water rights. The lead agency is determined based on the type of facility that will reclaim the water. That agency will only issue a

permit to operate the reclaimed water system after requirements from both agencies are met.

The public has an opportunity to comment on permit conditions during the permitting process. Permits are valid for five years and the facility may renew their permit if they are in compliance (Ecology Reclaimed Water webpage, 2025).

Use of reclaimed water for irrigation could potentially reduce municipal groundwater withdrawals if the reclaimed water is used instead of potable water sources. Use of reclaimed water for infiltration could provide environmental benefits by supplementing baseflow discharge to streams to mitigate impacts from groundwater withdrawals from shallow aquifers.

Investigations, permitting, public involvement and building infrastructure to transport reclaimed water to sites for reuse can be expensive and possibly cost prohibitive.

KPUD has also expressed a long-term goal of treating the discharge from the Fort Ward WWTP and developing an upland discharge area to enhance recharge. (KPUD 2026)

7.2.6 Promote Conservation

Water Conservation is a Management Strategy designed to efficiently use water, minimize waste and ultimately reduce water demands on a water system. A municipal comprehensive water conservation program encompasses a multi-faceted approach, including setting specific goals, educating the public, improving water-efficient technologies and practices, and implementing strategies for water reuse and management. Key elements include leak detection and repair, efficient appliance and fixture usage, responsible landscaping and irrigation, and exploring alternative water sources.

Water conservation plans should address conservation on the supply side as well as on the demand side. Conservation plans for the supply side (i.e., leak detection and repairs, metering, etc.) may require additional financial resources, however there is some potential for reduction in operating costs. Conservation plans for the demand side (i.e. reductions in consumer usage) may result in lost revenues, however, a well-designed pricing program can offset potential losses in revenue. Other

benefits associated with implementing a conservation plan (which include eliminating, downsizing, or postponing the need for capital projects, improving the utilization and extending the life of existing facilities, lowering variable operating costs, avoiding new source development costs, improving drought or emergency preparedness, educating customers about the value of water, improving reliability and margins of safe and dependable yields, and protecting and preserving environmental resources) may also help to balance losses in revenue.

Developing a water conservation plan typically involves the following steps:

- Establish the goals of the water conservation plan.
- Conduct a water system audit.
- Prepare a demand forecast.
- Identify and select potential water conservation measures.

These elements should be included in all water conservation plans:

Metering - Plans should describe the metering method(s) used, and establish protocols for maintaining meter accuracy, conducting calibration and repair, and replacing old or inaccurate meters. Inaccurate meters often result in lost revenue for the utility.

Water Accounting and Loss Control - A well-designed loss-prevention program should target both real and apparent losses. Real losses are physical losses including leaks, bursts, and overflows. Apparent losses are non-physical losses that include meter inaccuracies and unauthorized consumption, such as theft or illegal use.

Pricing - Water conservation will prove to be most cost effective when rate structures are modified to encourage customers to conserve water. There are several pricing strategies that can encourage water conservation.

Information and Education Program - A good information and education program can be very effective in reducing consumer demand. Specific information should be developed for each type of water customer (residential, government, and commercial/industrial).

Pressure Management - Reducing excessive pressures in the distribution system can save water by reducing stresses that could result in leakage, decreasing quantities of water that are currently leaking, and reducing the amount of flow through fixtures.

Water-Use Regulations - Water-use regulations should be designed not only for droughts or emergencies but also to guide responsible consumption during normal times—prompting important questions such as whether we will continue to wash our cars and water lawns or golf courses as if there is no underlying strain on water resources.

Develop an Implementation Strategy - Water utilities should develop a schedule and timetable for implementing the water conservation strategies. Implementation actions should include a timetable for securing budgetary resources, hiring staff, procurement of materials, acquisition of any necessary permits, and activity milestones.

Developing and implementing effective water conservation plans can help minimize waste and reduce overall water demands. Though it is important to temper expectations and recognize that the demand reduction from conservation alone is likely to be limited to about 20% of current use.

7.2.7 Promote Rainwater Harvesting

Rainwater collection, including the use of rain barrels, has become more popular as a supplemental source of water. In 2009, Ecology issued a rainwater use interpretive policy, which clarifies that you may use water collected from your rooftop without a water right permit. However, there are rules on using rainwater as a potable (drinkable) water source.

State and local codes allow rainwater harvesting. Specifically, roof runoff can be directed to cisterns for storage and non-potable uses like irrigation. For potable use in single-family residences, proper design and approval from Kitsap County Public Health District is required.

Bainbridge Island's evolving approach to sustainable water management recognizes the need for innovative alternatives to traditional groundwater reliance. As an

important example, it is notable that at least one residence on Bainbridge Island currently meets all its water needs, including drinking, domestic use, and irrigation—exclusively through rainwater harvesting. This unique case demonstrates the feasibility of rainwater collection systems as a viable alternative for complete household water supply.

Integrating rainwater harvesting could help diversify water sources, reduce pressure on vulnerable aquifers, and enhance resilience to climate change, population growth, and potential future water scarcity. As the Island faces projected increases in water demand and stresses from climate variability, consideration of rainwater harvesting on both individual and community scales—may become an increasingly significant component of Bainbridge Island's water resource toolkit.

7.2.8 Increase Storage for Municipal Water

The objective is to increase storage volume, typically via above ground water tanks, for the municipal water systems to be able to provide enough water during periods of peak demand. This would help spread out withdrawals and costs over a longer time period which could reduce maximum drawdowns resulting from extended groundwater pumping during peak demand periods.

7.2.9 Enhance Storm and Surface Water Management

The Bainbridge Island Municipal Code includes Chapter 15.20 Surface Water and Stormwater Management is intended to regulate all new development, redevelopment or construction activities within the City that will or may impact surface water, groundwater or stormwater. The purpose of this chapter is listed below:

- Preserve and enhance the suitability of waters for contact recreation, fishing, and other beneficial uses.
- Minimize water quality degradation and sedimentation in streams, ponds, lakes, wetlands and other water bodies.
- Minimize the impact of increased runoff, erosion and sedimentation caused by land development and poor maintenance practices.

- Maintain and protect groundwater resources.
- Minimize adverse impacts from projects on ground and surface water quantities, locations and flow patterns.
- Decrease potential landslide, flood and erosion damage to public and private property.
- Establish site planning and construction practices that are consistent with natural topographical, vegetational and hydrological conditions and that limit the extent of land disturbing activities.
- Maintain and protect the City stormwater management infrastructure and downstream systems and properties.

The purpose of the Stormwater Management Program is consistent with the objectives of the Groundwater Management Plan. Managing stormwater to minimize contaminants while attempting to mimic pre-development hydraulic conditions and recharge is a key objective for groundwater management.

The City's Stormwater Management Program operates under the Western Washington NPDES Phase II Municipal Stormwater Permit. The current permit was issued in July 2024 and effective from August 1, 2024 – July 31, 2029. Components of the Plan include:

- Stormwater planning.
- Public education and outreach.
- Public involvement and participation.
- Municipal separate storm sewer system (MS4) mapping and documentation.
- Illicit discharge detection and elimination.
- Controlling runoff from new development, redevelopment and construction sites.
- Stormwater management from existing development.
- Source control program for existing development.
- Operations and maintenance.

Chapter 15.20 is an important and effective management strategy that helps protect groundwater quality and preserve recharge on the Island.

The City's Stormwater System Plan (COBI 2024a) has many recommendations that would improve stormwater management and increase recharge. The maintenance and retrofit of existing stormwater facilities would ensure that the land set aside for stormwater mitigation is functioning as designed or is improved using the most current science on stormwater mitigation. See Recommendations B7, R1-18 in the Plan for specifics on actions that will reduce the impacts to groundwater from stormwater runoff

7.3 Preventative

Preventative actions are mostly policy actions that the City can take to prevent consequences from occurring that would negatively affect the groundwater resource. Some of these policies could result in direct city action, but many of them would take cooperation from other agencies such as the Kitsap Public Health District or Ecology.

7.3.1 Evaluate Limiting New Wells in the Shallow Aquifers

Groundwater withdrawals can capture water that would contribute to baseflow discharge to streams, thus reducing streamflow. Withdrawals from shallow unconfined aquifers generally capture a larger proportion of baseflow discharge than equivalent withdrawals from deeper confined aquifers.

Results from the Bainbridge Island groundwater model indicate that increased groundwater pumping will decrease groundwater drainage to the surface through springs, wetlands and streams where groundwater discharge to the surface typically occurs. This decrease could be reduced or eliminated from future wells if the wells were required to be drilled and screened in confined aquifers.

Streams in the Murden Cove and Fletcher Bay watersheds are closed to further water right appropriations by Chapter 173-515 WAC. This closure includes proposed water right withdrawals directly out of the streams and groundwater withdrawals that would cause a reduction in streamflow. Ecology has the authority to review and approve or deny water right permit applications and will issue a

water right permit that impacts a closed stream only if it is determined that the impacts to the closed stream will be fully mitigated.

Chapter 90.94 RCW, extends the requirement for mitigating impacts to closed streams to permit-exempt wells. Permit-exempt wells are groundwater uses authorized by RCW 90.44.100 that do not require a water right issued by the State of Washington. Permit-exempt wells are used for single or multiple domestic purposes and those wells drilled since 2018 are limited to withdrawals of 950 gallons per day. Chapter 90.94 RCW defines the requirements for quantifying impacts and developing and implementing mitigation strategies to offset impacts to closed streams from permit-exempt wells. It also established a grant funding program, available to the City, for implementing projects intended to protect instream resources and mitigate impacts from permit-exempt wells.

Although streams in the Murden Cove and Fletcher Bay watersheds are the only subbasins on the Island where surface water is closed to new water rights, there is interest in protecting all streams and wetlands on Bainbridge Island. Therefore, any well drilling requirements intended to minimize impacts to streamflow do not need to be restricted to the Murden Cove and Fletcher Bay watersheds.

Should this potential management strategy be pursued, further assessment should be conducted to define priority watersheds and identify practical options for new well construction. For example, because bedrock is the only unit available in the southern end of the Island, requiring wells to be completed in a deeper aquifer in that area is not practical. Ideally, any watershed with restrictions on shallow well construction should have targeted aquifers identified. And due to variability across the Island, the targeted aquifer may be variable from one watershed to another.

To support the protection of critical hydrologic and ecological functions, well drilling should be managed in a way that minimizes impacts to streamflow, particularly in areas where groundwater and surface water are hydraulically connected. This strategy is consistent with the purpose and intent of Bainbridge Island Municipal Code Chapter 16.20 Critical Areas, which aims to protect, maintain, and restore the functions and values of ecologically sensitive areas. Specifically, limitations on new well drilling or more stringent review processes may be appropriate within or near designated critical areas, such as wetlands, streams, and their associated buffers. In

these areas, restrictions or mitigation requirements may be necessary during periods of low streamflow or where cumulative groundwater withdrawals could impair baseflow or habitat functions. The goal is to ensure no net loss of critical area functions, while still allowing for the reasonable use of public and private property.

Adoption of a new section in Chapter 16.20 would need to go through City's typical process, including public information. Because deeper wells cost more to construct than shallower wells, any requirements must allow for reasonable costs to property owners and not be prohibitively expensive. Public information should include a discussion regarding environmental benefits resulting from a new ordinance compared to the extra costs for well construction.

7.3.2 Reform Critical Aquifer Recharge Area Codes

The Bainbridge Island Municipal Code includes Section 16.20.100 Critical Aquifer Recharge Areas. The entire Island has been designated as a Critical Aquifer Recharge Area and Section 16.20.100 is intended to prevent groundwater contamination and loss of recharge from land use activities within the Critical Aquifer Recharge Area.

In 2017 the Critical Aquifer Recharge Areas section was altered to include a new provision for new developments in the rural residential zoning districts; R0.4, R1 and R2. If more than 800 sq. ft. of impervious surface is proposed as part of a land use action in these zones, then up to 65% of the existing native vegetation on the site is required to be protected with the intent of maintaining aquifer recharge and protecting streams from excess erosion.

This resource protection tool may need reforming to better address the problem. Variables that could be looked at during a reform process include soil type and geology underlying the parcel, type of vegetation being protected, and long-term monitoring and reporting requirements.

Knowing that recharge occurs off the Island for water used on the Island, it may be worthwhile to also work with jurisdictions in Kitsap County to protect recharge for the benefit of Islanders.

7.3.3 Develop Seawater Intrusion Policy

Available information indicates that seawater intrusion is not currently occurring into aquifers supplying water to wells on Bainbridge Island. However, results of groundwater modeling scenarios indicate that large increases in groundwater pumping may result in relatively large drawdowns near pumping centers and there is the potential for groundwater levels to draw down below MSL indicating the potential for seawater intrusion in the future.

As described above, the City operates a groundwater monitoring program and has developed EWLs regarding extended lowering of groundwater elevations and chloride concentrations in groundwater. This program is appropriate for current conditions on the Island. However, should groundwater withdrawals increase as predicted, additional measures to expand and enhance the EWLs may be necessary and appropriate in the future. For example, actions to address specific conditions could be better defined and hard limits for chloride concentrations and/or minimum acceptable static water levels in the aquifer could be appropriate.

Island County has adopted a County Ordinance in 1989 regarding seawater intrusion protection (Island County Code 8.09.099). Island Conty was already experiencing issues with seawater intrusion so adopted and has been implementing this code with the intent of avoiding additional impacts and protecting existing groundwater users on the Island.

Because Bainbridge Island has not yet experienced significant seawater intrusion, reviewing Island County's ordinance, talking with Island County Health Department staff to discuss the effectiveness of the ordinance and lessons learned would be a useful exercise for the City to consider drafting and adopting an ordinance in the City's Municipal Code to serve a similar purpose. The City could then have more detailed procedures in place if and when seawater intrusion is detected on Bainbridge Island.

A summary of the main parts of Island County's seawater intrusion protection ordinance is provided below:

The Island County Health Department classified all areas of the county into seawater intrusion risk categories based upon groundwater elevation information

and proximity to existing groundwater wells with chloride data. The seawater intrusion risk categorization is provided in Table 21.

Table 21 Island County Seawater Intrusion Risk Categories

Risk Category	Water Level Elevation[1]	Chloride Concentration[2]
Low	Greater than 8.4	Any[3]
Medium	Less than or equal to 8.4	Less than 100
High	Less than or equal to 8.4	Between 100 and 250
Very High	Less than or equal to 8.4	Greater than 250

[1] Water level elevation in feet above MSL
[2] Chloride concentration in milligrams per liter (mg/L) or parts per million (ppm).
[3] Where water level elevations are greater than 8.4 feet, chloride concentrations are irrelevant.

Project actions are evaluated for seawater intrusion risk analysis based upon the applicable risk category and proposed activity shown in Table 22.

Table 22 Island County Project Risk Categories

Risk Category	Land Subdivision	New or Expanding Public Water Systems
Low	N/A	N/A
Medium	More than six lots	More than six connections per year
High	All	More than one connection per year (≤ 1.5 acre lot size)
Very High	All	All

All active public water system sources serving more than two (2) residential connections that are located in the medium, high, or very high risk areas shall be sampled for chloride and conductivity in April and August of each year.

A hydrogeologic site evaluation, as defined in section 8.09.097, may be required as a result of seawater intrusion risk analysis prior to project review as determined by the health officer.

Based upon available information including that provided by the applicant pursuant to the requirements of this section, the health officer shall have discretion to impose conditions designed to prevent degradation of groundwater quality or quantity. Such conditions may include groundwater monitoring and the development of groundwater quantity management plans. All conditions shall be based on all known, available, and reasonable methods of prevention, control, and treatment.

Projects that cannot mitigate potential impacts to groundwater resources by inducing or contributing to seawater intrusion may be modified, altered or denied by the health officer.

The City's EWLs are an appropriate and effective Management Strategy for current groundwater conditions on Bainbridge Island. However, the City could expand and enhance the EWL's by reviewing Island County's ordinance regarding seawater intrusion protection and consider adopting a similar ordinance before seawater intrusion is detected on the Island.

7.3.4 Public Involvement

The City is actively engaged in public involvement and educational activities on a number of City projects and activities, including groundwater management and monitoring activities. Public involvement and education regarding groundwater issues and management is an important Management Strategy that should continue into the future.

All Island residents rely on groundwater for their potable water supply. Continuing to educate Island residents of the importance of groundwater and protection of the resource can encourage conservation, help protect groundwater quality, and potentially interest volunteers for data collection activities, This program could

include web pages, fact sheets, public meetings, and presentations at schools and other Island organizations. Helping Island residents have a basic understanding of groundwater and why protecting it is important will likely support the other groundwater management actions on the Island.

7.3.5 Support Septic System Monitoring and Maintenance

Support KPHD's existing septic system monitoring and maintenance program and response to concerns about septic system failures and impacts to water quality on the Island. Assisting KPHD in expanding their inventory of these systems will lead to more properly functioning septic systems and consequently more treated recharge reaching the aquifers.

7.4 Data Collection

Groundwater is inherently challenging to monitor and collect data about, but efforts have been ongoing since the 1950s to better understand this valuable resource. Data gaps will always exist, but certain aspects of the resource are worth constraining in order to better measure and monitor for potential trends.

7.4.1 Expand Groundwater Monitoring

A necessity for effective groundwater analysis and evaluation of alternative management strategies, is the availability of comprehensive high-quality data.

Because of differences in extent, depth, uses, recharge, discharge, and potential threats between aquifers on the Island, proposed expansion of groundwater monitoring is presented below by aquifer. Because some wells are monitored for water level, some are monitored for chloride concentration, and some are monitored for both, water level and chloride monitoring are presented separately to identify data gaps and present recommendations for additional monitoring locations for each aquifer.

7.4.1.1 Perched Aquifer

The Perched Aquifer is used primarily by domestic wells. Water level monitoring is important in the Perched Aquifer to assess long-term changes in water levels due to increased pumping, loss of recharge, and impacts from a changing climate. It is

also beneficial for planning and implementing potential management strategies such as managed aquifer recharge.

The City is currently monitoring water levels in 14 wells in the Perched Aquifer and KPUD is monitoring two. Monitoring locations and recommended areas to add additional monitoring sites are shown in Figure 32. Also shown in Figure 32 and Figure 33 and in subsequent figures is the general area where the largest drawdowns were modeling illustrating the impacts of increased future groundwater withdrawals. These areas are related to the City's municipal well fields at Sands Road, Island Utility wells, and Head of the Bay wells where large increases in pumping were used in the modeling scenarios.

Two areas are shown and numbered by relative priority in Figure 32 where additional groundwater level monitoring would be beneficial in the Perched Aquifer. These areas are within the Fletcher Bay and Murden Cove watersheds, both of which contain streams that have been closed to further appropriation by State regulation (Ch. 173-515 WAC). This closure includes proposed water right withdrawals directly out of the streams and groundwater withdrawals that would reduce streamflow. Water rights can be approved if the impacts to the closed streams can be fully mitigated. Adding groundwater monitoring of the Perched Aquifer at these locations would be helpful to assess current conditions as well as assessing the performance of potential future mitigation actions.

Six wells are being monitored by the City for chloride concentrations in the Perched Aquifer as shown in Figure 33. Four of these sites are near the marine shoreline. All samples from the Perched Aquifer had chloride concentrations below 12 mg/L. This is to be expected because the aquifer mostly occurs above MSL. For this reason, no additional sites are recommended for monitoring chloride concentrations in the Perched Aquifer. However, monitoring for other parameters, such as nitrates or other sources of contamination resulting from land use activities, may be appropriate and important for domestic well users down-gradient of potential sources of contamination.

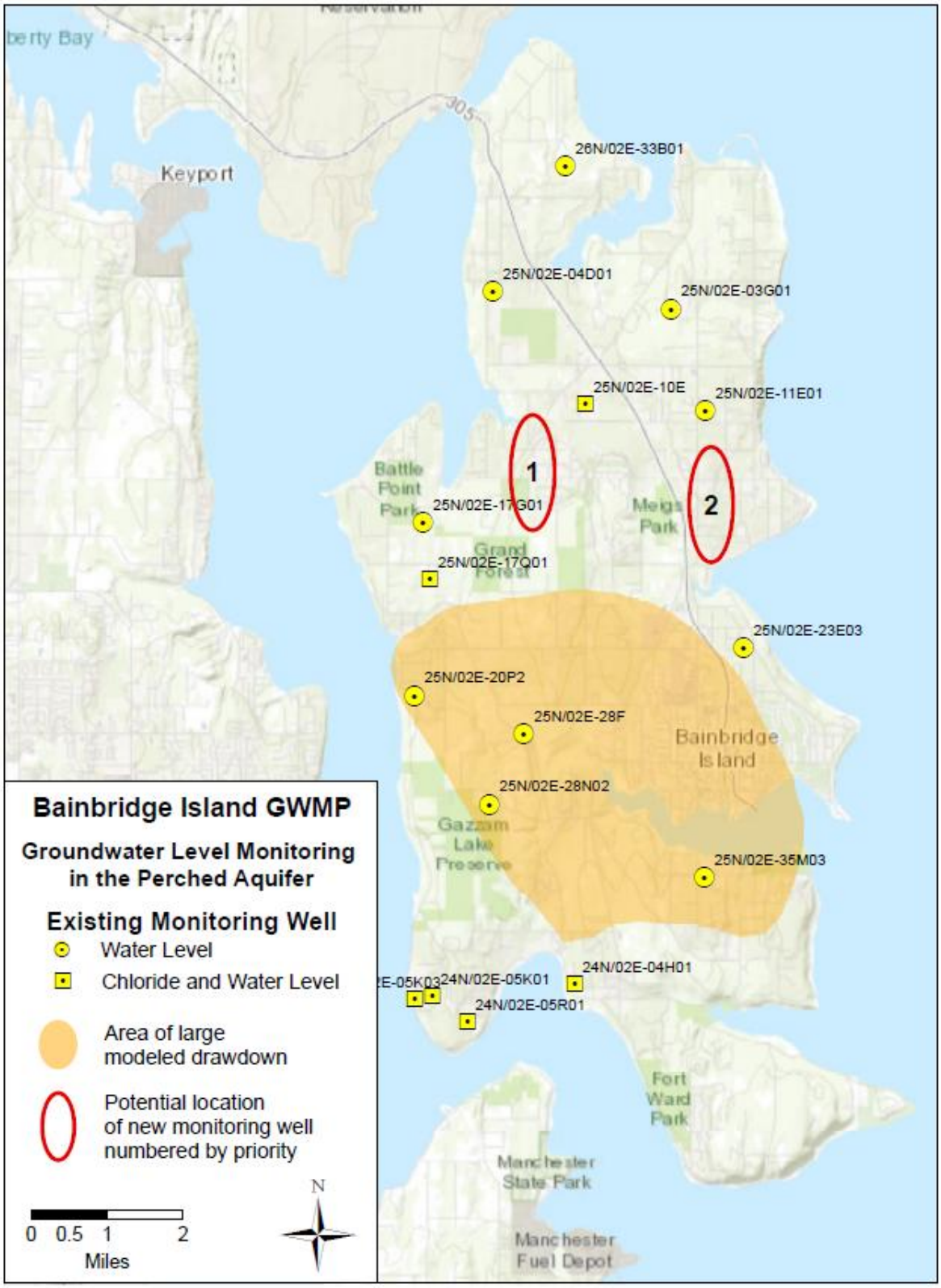


Figure 32 Existing and Proposed Water Level Monitoring, Perched Aquifer

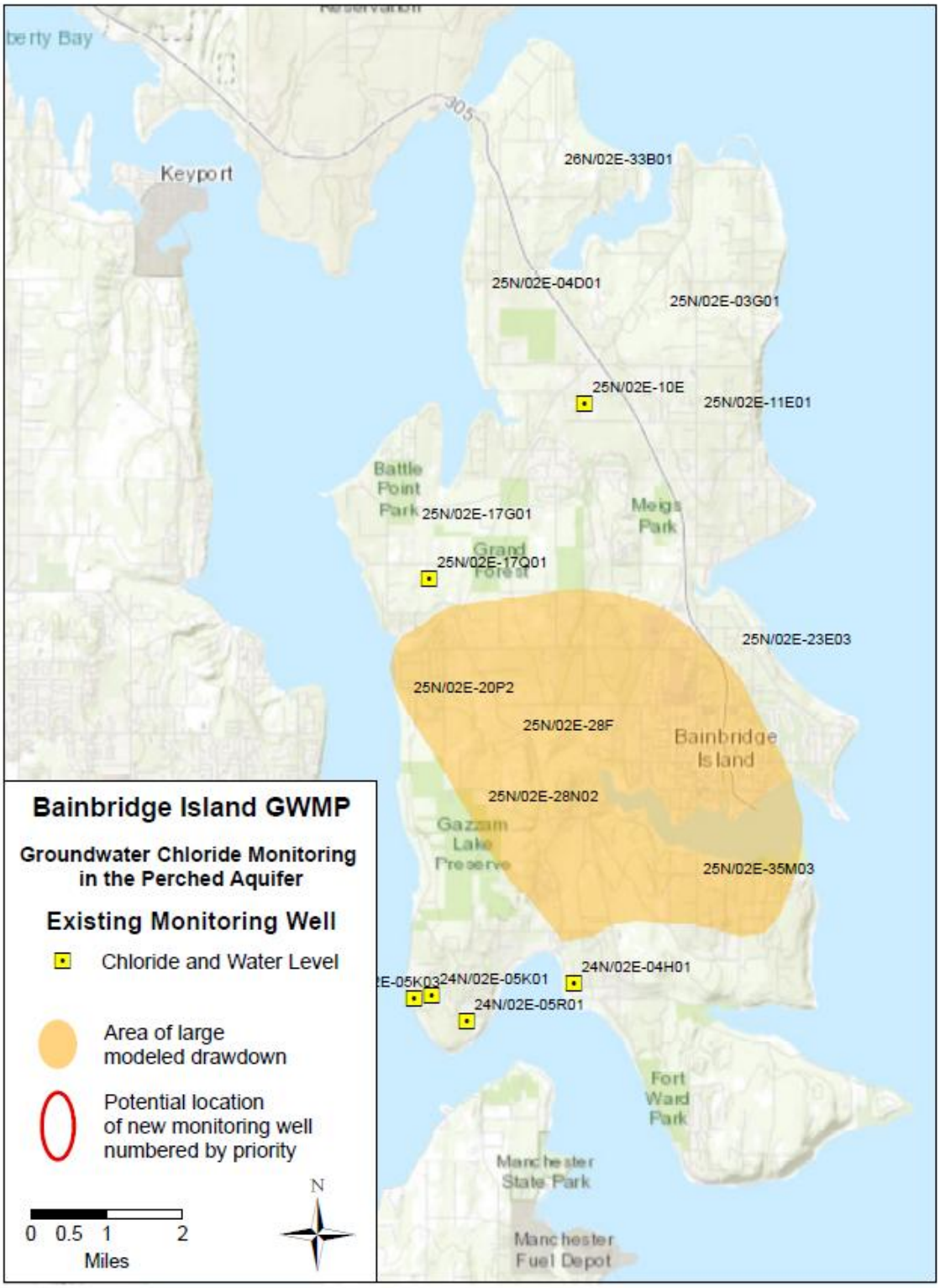


Figure 33 Existing and Proposed Chloride Monitoring, Perched Aquifer

7.4.1.2 Semi-Perched Aquifer

Natural discharge from the Semi-Perched aquifer provides baseflow to streams and wetlands on the Island so increased consumptive use and declines in water levels are likely to reduce baseflow discharge to streams. Conversely, intentional artificial groundwater recharge is likely to increase baseflow to streams and could be an effective streamflow mitigation strategy if implemented at a suitable location. The Semi-Perched Aquifer has a low susceptibility for seawater intrusion because most of the aquifer occurs at an elevation above MSL. However, this unit is susceptible to contamination from septic system discharges and other contaminant sources at the surface. Thus, monitoring for other parameters, such as nitrates may be appropriate in certain areas.

The City is currently monitoring water levels in 6 wells in the Semi-Perched Aquifer and KPUD is monitoring one. Monitoring locations and recommended areas to add additional monitoring sites are shown in Figure 34. Groundwater elevations in the aquifer range from 140-10 feet above MSL, with the higher elevations in the central part of the Island and lower values being measured near the marine shoreline. Water level trends in the Semi-Perched Aquifer remain stable while showing a strong correlation with rainfall both seasonally and long-term.

Two areas are shown and numbered by relative priority in Figure 34 where additional groundwater level monitoring would be beneficial in the Semi-Perched Aquifer. These areas are within the Fletcher Bay and Murden Cove watersheds, both of which contain streams that have been closed to further appropriation by State regulation (Ch. 173-515 WAC). This closure includes proposed water right withdrawals directly out of the streams and groundwater withdrawals that would reduce streamflow. Water rights can be approved if the impacts to the closed streams can be fully mitigated. Adding groundwater monitoring of the Semi-Perched Aquifer (likely within permeable lenses within the upper confining unit (QC1), at these locations would be helpful to assess current conditions as well as assessing the performance of potential future mitigation actions.

The City monitors chloride in four wells within the Semi-Perched Aquifer (Figure 35), all of which have exhibited chloride concentrations below 10 mg/L (COBI 2017). Low chloride concentrations are expected because the aquifer mostly occurs above MSL. For this reason, no additional sites are recommended for monitoring chloride

concentrations in the Semi-Perched Aquifer. However, monitoring for other parameters, such as nitrates or other sources of contamination resulting from land use activities, may be appropriate and important for domestic well users down-gradient of potential sources of contamination.

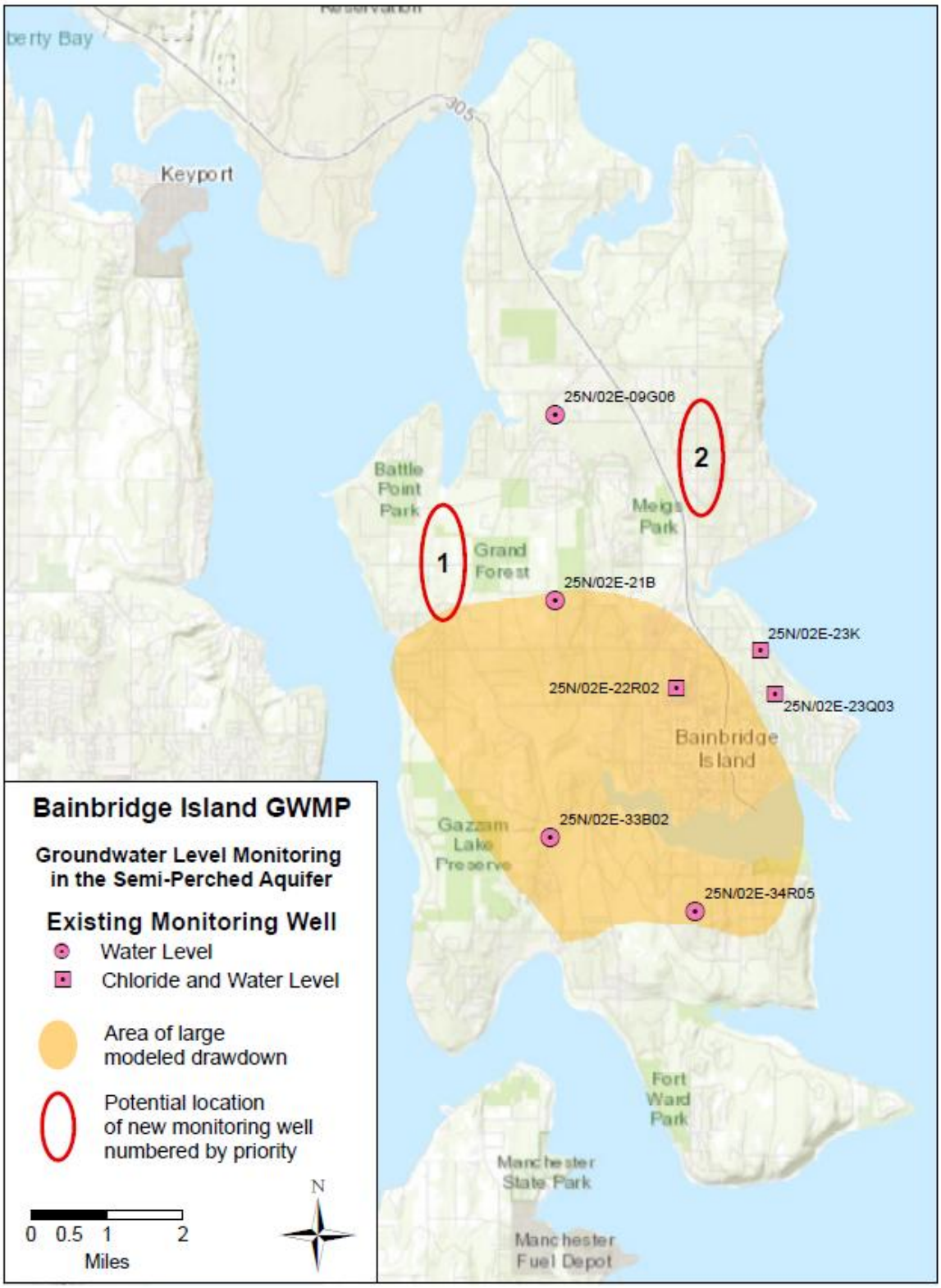


Figure 34 Existing and Proposed Water Level Monitoring, Semi-Perched Aquifer

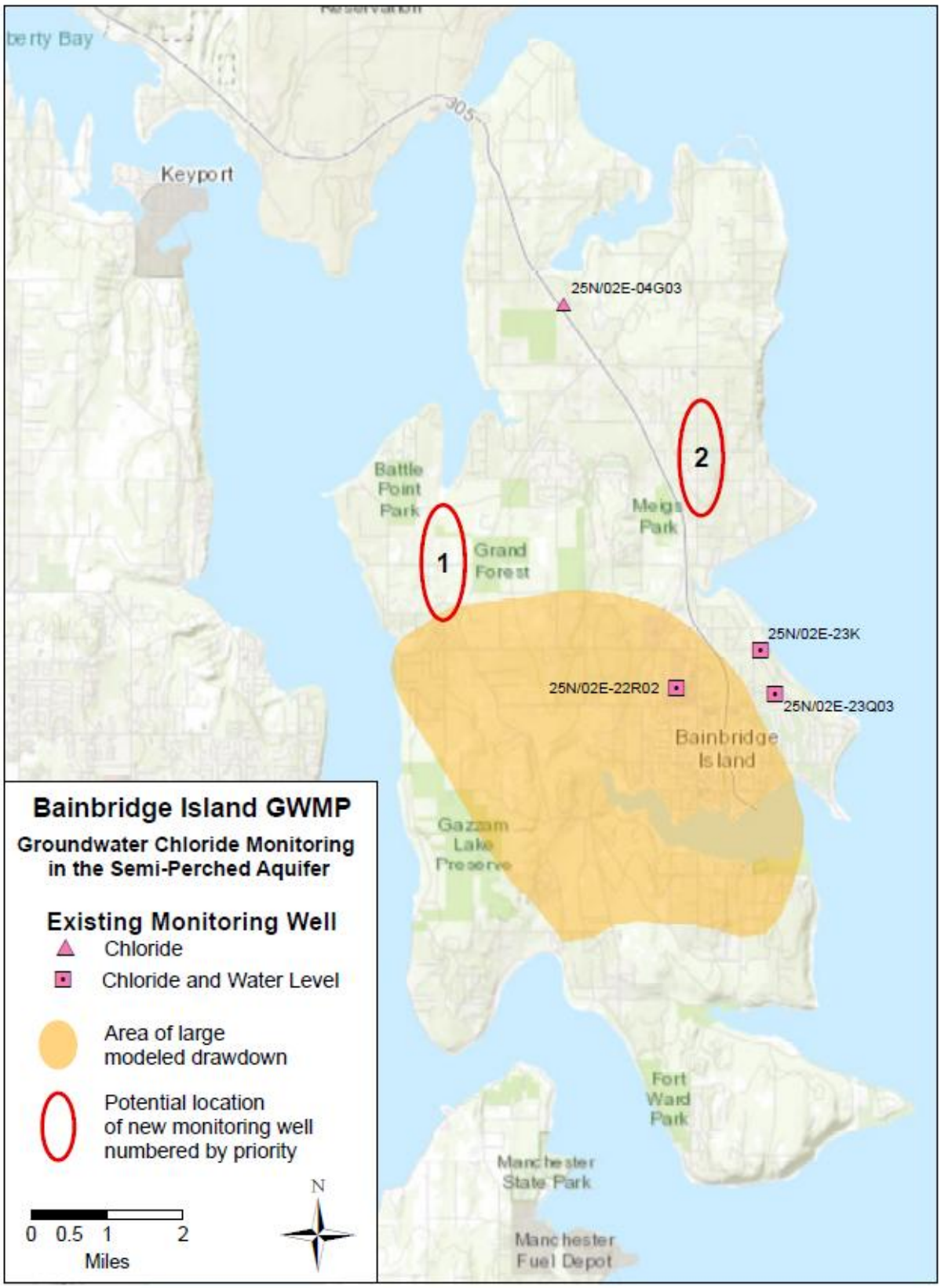


Figure 35 Existing and Proposed Chloride Monitoring, Semi-Perched Aquifer

7.4.1.3 Sea Level Aquifer

The Sea Level Aquifer (QA1) is an important source of municipal water supply for both the City and the North Bainbridge Water System, managed by the KPUD. The City monitors water levels in 26 wells while KPUD monitors 6 wells in the Sea Level Aquifer (Figure 36). Although a few wells show a slight downward trend in water levels over the period of record, none of the wells exceeded the EWL criteria. Water levels in most of the wells monitored are relatively stable over the period of record, although seasonal fluctuations from 5-15 feet are present in most of the wells.

Groundwater model scenarios that included large increases in pumping predict drawdown of up to 10 feet in the Sea Level Aquifer over a large portion of the Island after 100 years of growth. Drawdown of over 30 feet was calculated by the model surrounding the City's Head of the Bay wellfield. This relatively large drawdown is partly due to the Sea Level Aquifer being truncated by bedrock to the south, which acts as a no-flow boundary. However, the potential for large drawdowns associated with increased pumping increases the need for adequate water level monitoring to ensure that excessive drawdown, which may result in seawater intrusion, is not realized in the aquifer in the future.

Although there are currently 32 wells used for monitoring water levels in the Sea Level Aquifer, two areas to the east and northeast of the predicted large drawdown area are proposed for additional water level monitoring locations. These areas were selected because they are located between the current pumping centers and the marine shoreline and there are no wells currently monitored in the Sea Level Aquifer at these locations.

The City currently monitors chloride in 24 wells and the KPUD monitors 7 wells in the Sea Level Aquifer (Figure 37). Four additional locations to the east, southeast, southwest and northeast of the predicted large drawdown area are proposed for additional chloride monitoring. These sites were selected because they are located between the current pumping centers and the marine shoreline and there are no wells currently monitored in these areas. Additional monitoring sites at these locations would provide chloride monitoring on all sides of the predicted large drawdown area for both the City's Head of the Bay wellfield and the north and south Bainbridge Water System wells operated by KPUD.

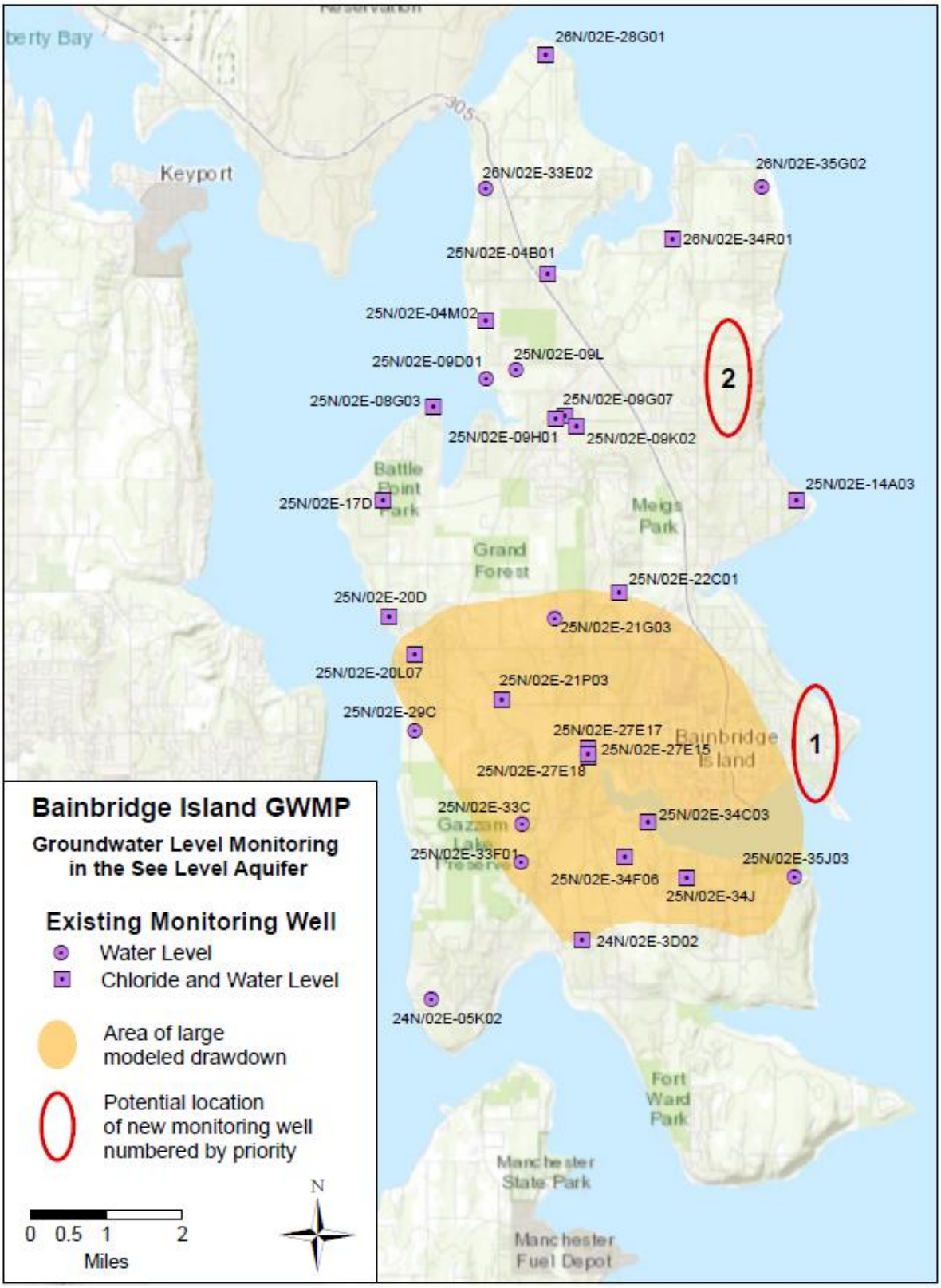


Figure 36 Existing and Proposed Water Level Monitoring, Sea Level Aquifer

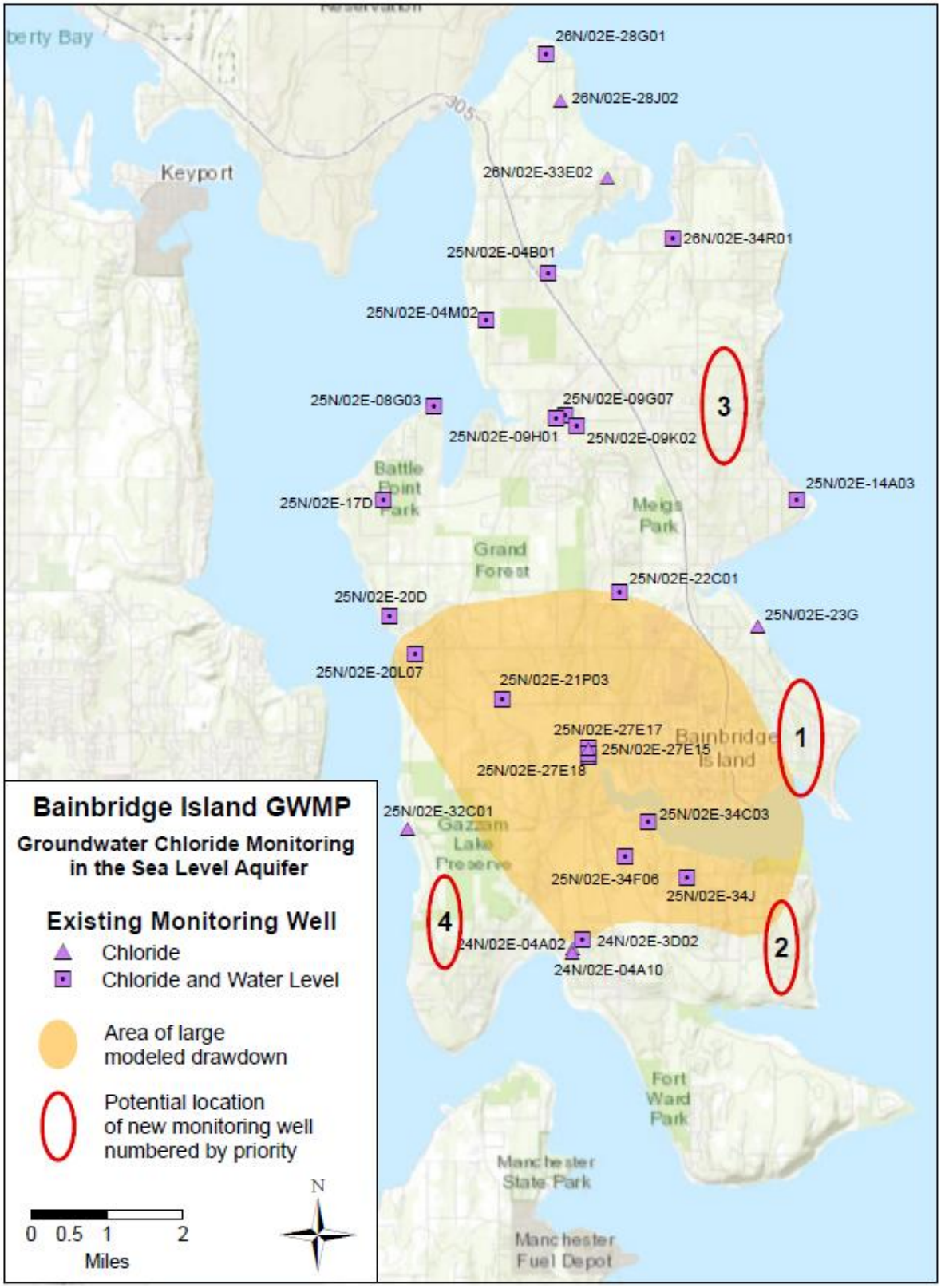


Figure 37 Existing and Proposed Chloride Monitoring, Sea Level Aquifer

7.4.1.4 Glaciomarine Aquifer

The GMA (QA2) is believed to extend beneath Port Orchard onto the Kitsap Peninsula. Recharge to the aquifer occurs through downward groundwater flow from overlying units both on and off the Island on the Kitsap Peninsula. Discharge from the aquifer is likely into marine waters offshore.

The City currently monitors water levels in four wells while KPUD monitors one well in the GMA (Figure 38). Static water levels range between 10-50 feet above MSL, with higher elevations on the western shoreline and the lower elevations just south of Eagle Harbor. Water levels are relatively stable over the period of record with fluctuations of up to 10 feet, likely due to drawdown from pumping. Wells on the western and northwestern parts of the Island indicate a slight upward trend of about 5 feet between 2008 and 2018. None of the wells have exceeded the EWL criteria.

Because of the lack of wells, no groundwater level monitoring of the GMA is occurring in the northwest part of the Island. Thus, it is recommended that additional groundwater level monitoring sites be added in these areas. Additional monitoring would be useful to ensure pumping this aquifer can continue while maintaining groundwater levels above MSL.

The City monitors chloride in five wells and the KPUD monitors one in the GMA (Figure 39). Chloride concentrations have been below 7 Mg/L in all wells except one private well where concentrations up to 43.1 Mg/L have been detected. It is uncertain if the chloride values are an indication of being within the mixing zone between fresh and seawater in the aquifer. Although the well is very close to the marine shoreline, groundwater elevations in this well are around 50 feet above MSL, indicating that chlorides may have originated from a source other than marine water. Further assessment is warranted at this location to evaluate the source of chloride.

The lack of wells in the GMA in the eastern and northeastern part of the Island constitutes a data gap that could be filled by adding additional monitoring locations in the two areas shown in Figure 39.

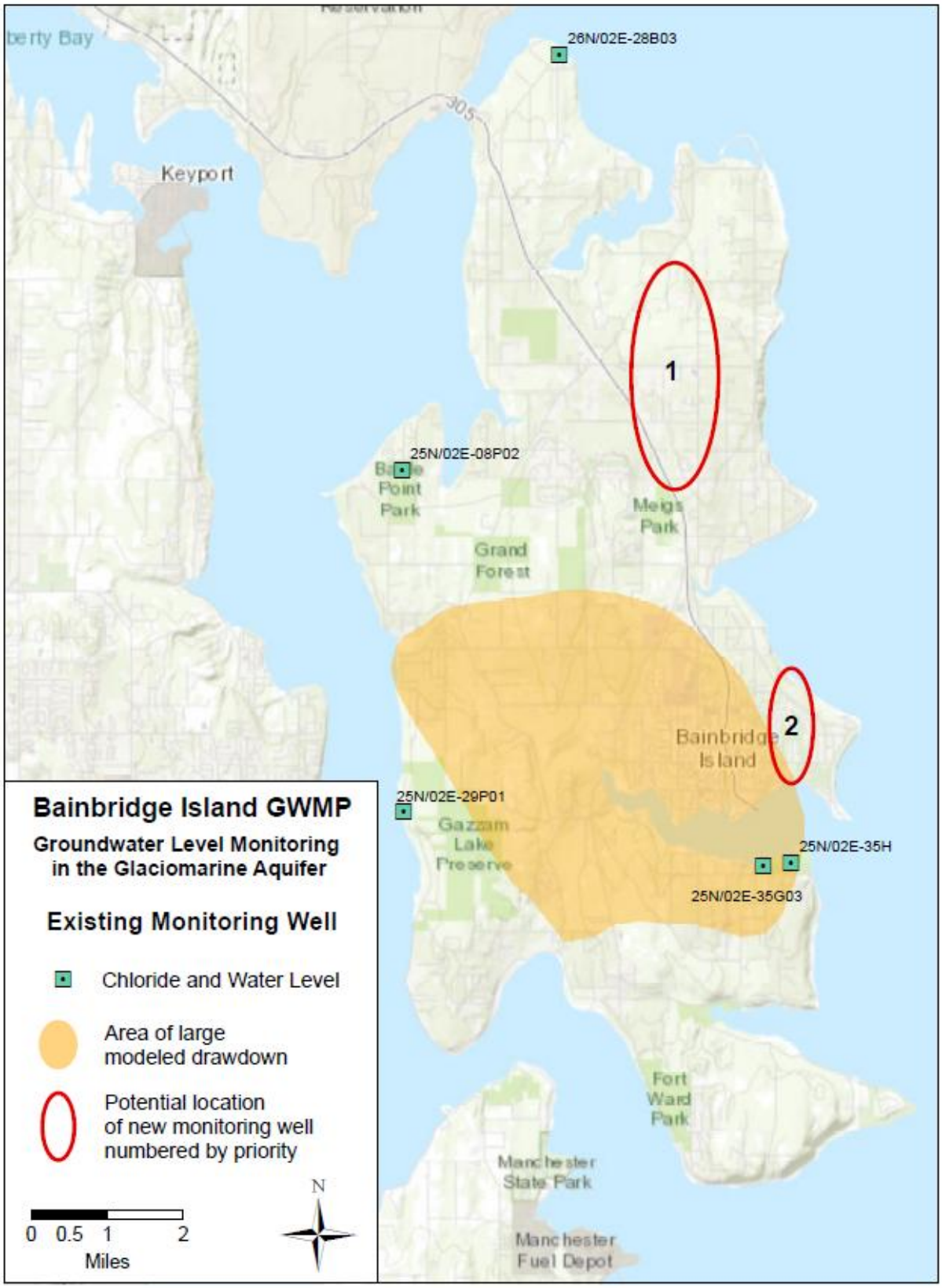


Figure 38 Existing and Proposed Water Level Monitoring, Glaciomarine Aquifer

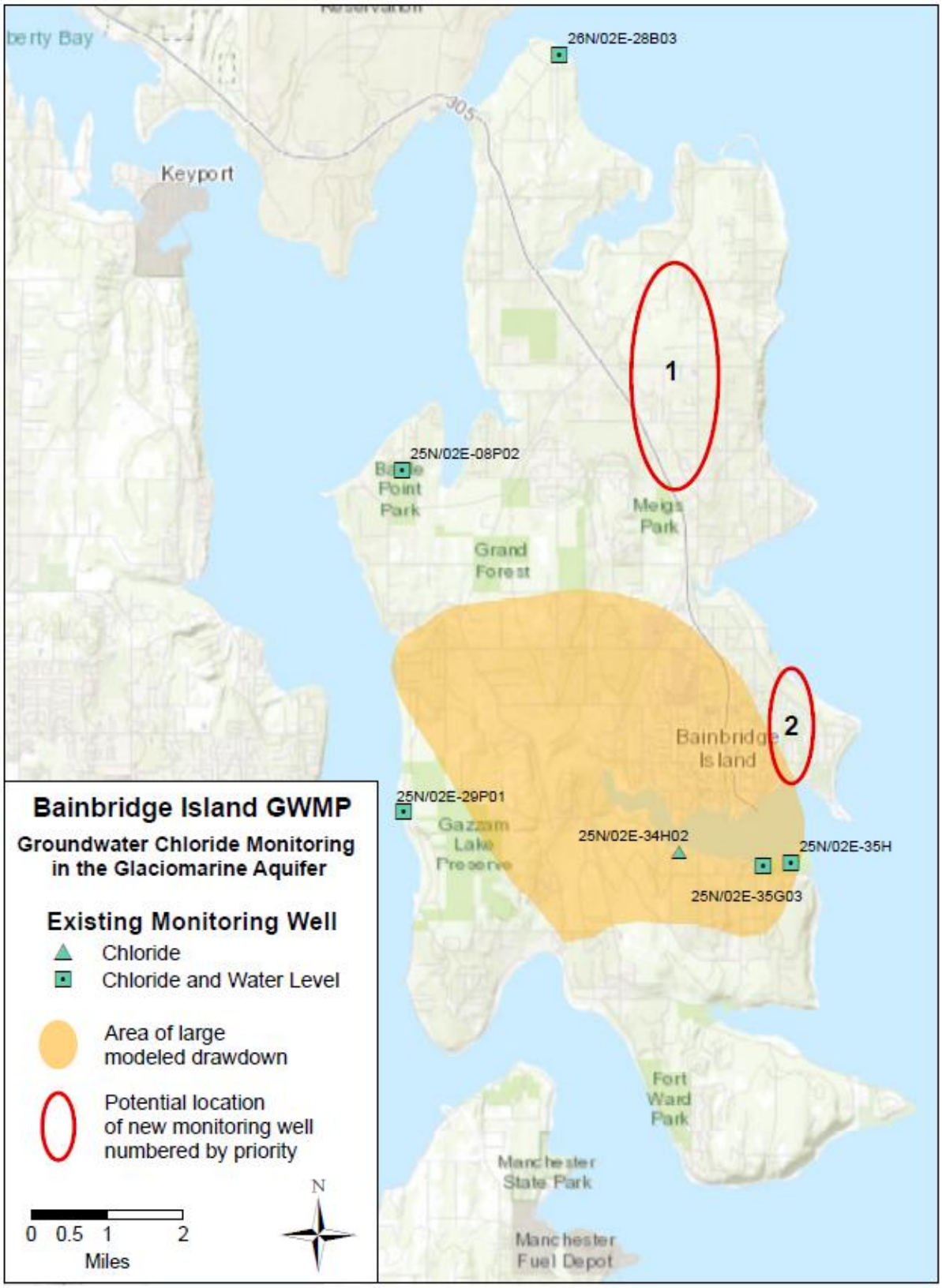


Figure 39 Existing and Proposed Chloride Monitoring, Glaciomarine Aquifer

7.4.1.5 Fletcher Bay Aquifer

Like the GMA, the FBA (QA3) is believed to extend beneath Port Orchard over to the Kitsap Peninsula. Due to its depth, relatively few wells tap into this aquifer and USGS used only 14 wells on the Island to map its extent and thickness (USGS 2011).

The City currently monitors water levels in three wells (Sands Road and Fletcher Bay wells) while KPUD monitors six wells (including the Island Utilities and North Bainbridge Water System wells) in the FBA (Figure 40). Static water levels range between 26 feet above to 35 feet below MSL, with typical fluctuations related to pumping of 15-20 feet. Water levels appear to be relatively constant of the period of record, with groundwater elevations recovering to static water levels after periods of pumping. Island Utility wells have exceeded the EWL criteria.

Three areas have been identified as potential sites to add additional monitoring to fill data gaps (Figure 40). Because of the depth of the aquifer and cost of drilling, it is likely that additional points could be added if additional production wells are added in these areas.

The City monitors chloride in four wells and the KPUD monitors five in the FBA. Chloride concentrations have been below 20 mg/L in all wells with most samples from this aquifer being below 10 mg/L (Figure 41). No exceedances above the EWLs have been detected. Two locations were chosen as potential areas to add additional chloride monitoring sites. These were selected to fill data gaps between pumping centers and surrounding marine waters and could be included if additional production wells are constructed in the FBA in the future.

Refer to Table 1 in Early Warning Level Report 2012–2021 found in Appendix E for specifics on each monitoring well.

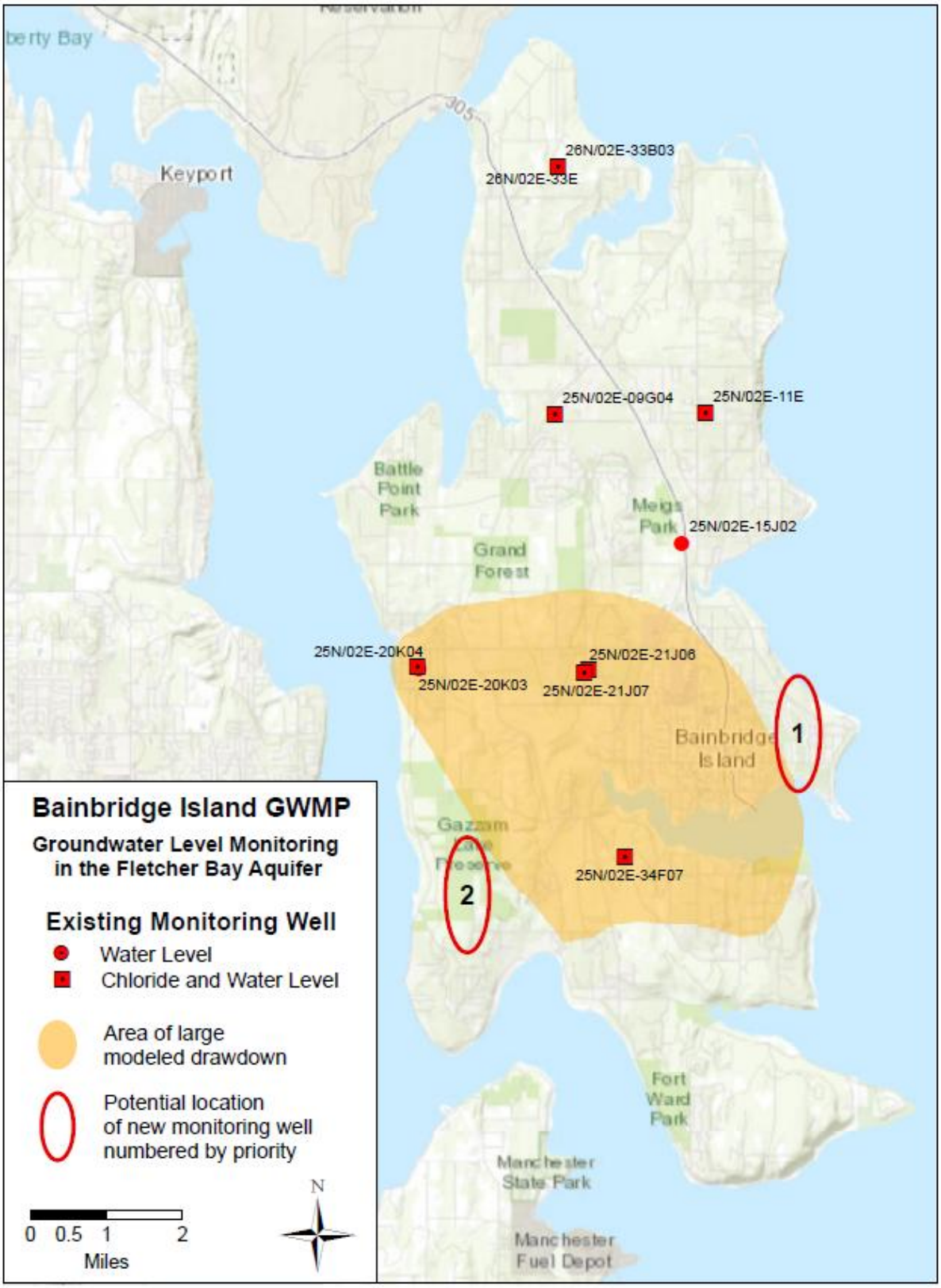


Figure 40 Existing and Proposed Water Level Monitoring, Fletcher Bay Aquifer

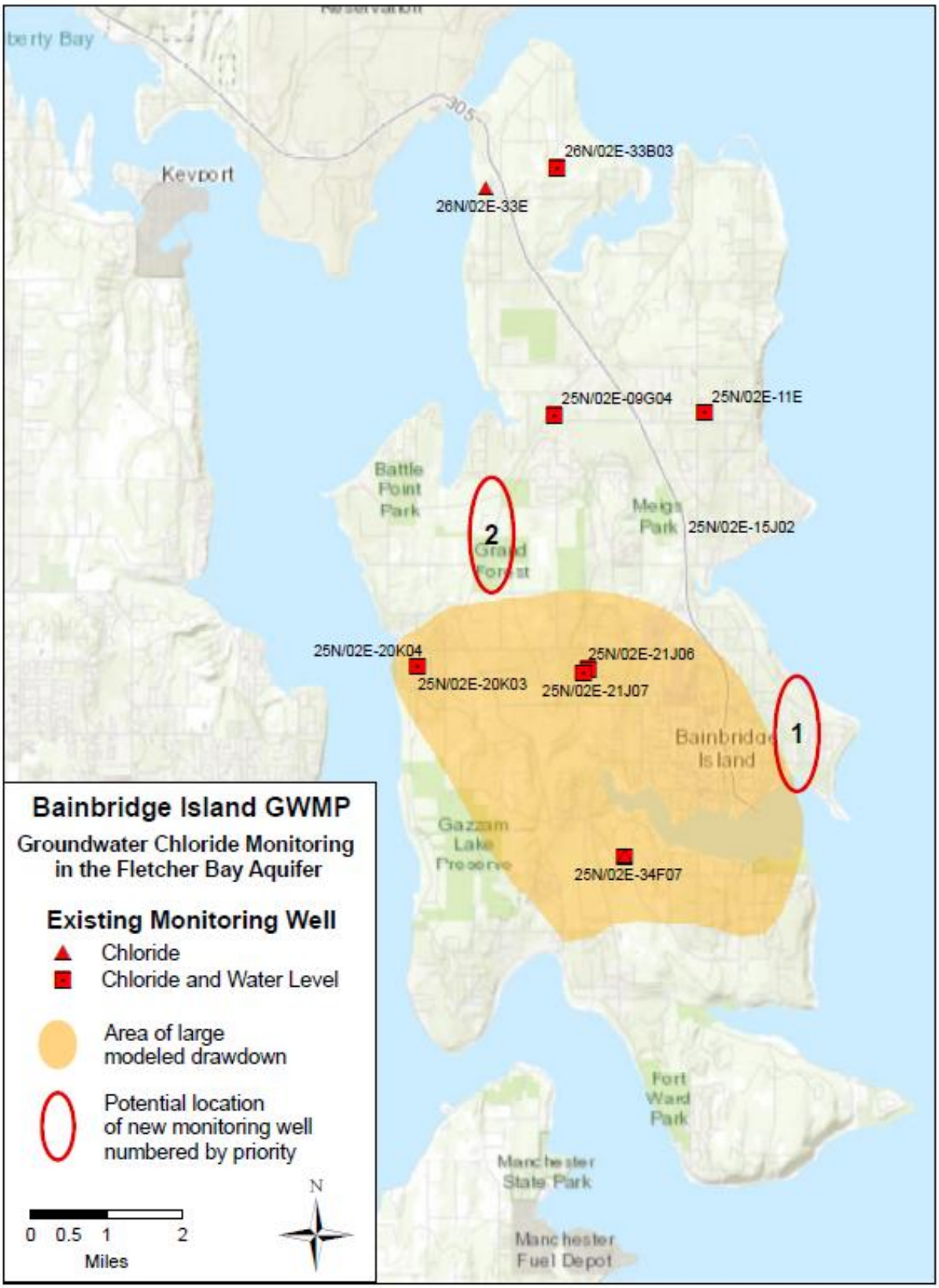


Figure 41 Existing and Proposed Chloride Monitoring, Fletcher Bay Aquifer

7.4.1.6 Bedrock Aquifer

About 1% of the Island's wells use the Bedrock Aquifer. Because of its low permeability and poor ability to store and transmit water, most wells tapping the Bedrock Aquifer can produce only a few gallons per minute, making it unsuitable for large municipal supply wells.

The City currently monitors groundwater levels in one well in the Bedrock Aquifer. Static water levels have been measured around 150 above MSL with fluctuations likely related to pumping and precipitation events of up to 20 feet. Groundwater elevations in the monitoring well appear to be stable over time.

Because static water levels are approximately 150 feet above MSL sea water intrusion into the Bedrock Aquifer is not a concern. Chloride is not monitored in this aquifer. Due to the physical limitations of this unit for supplying water, significant future development of this water source is not possible, although domestic wells could be constructed in no other water sources become available in the south end of the Island where the Bedrock Aquifer occurs near the surface.

For these reasons, no additional monitoring is proposed in the Bedrock Aquifer.

7.4.1.7 Evaluate and Revise Early Warning Levels (EWLs)

EWL assessments have been a cornerstone of Bainbridge Island's groundwater management since 2006, when the COBI established its Groundwater Monitoring Program to centralize and reform previous monitoring efforts (Aspect 2009). Currently, City monitoring wells undergo an annual assessment as part of the COBI's groundwater monitoring program, with particular focus on seawater intrusion indicators, while groundwater levels are tracked in certain wells to observe trends in aquifer conditions over time. The program maintains monitoring standards, including the safe yield EWL threshold of a 0.5 ft/yr decline over a 10-year assessment period. For seawater intrusion monitoring, the program employs a chloride concentration threshold of 100 mg/L or evaluates any increasing trend as an indicator of a potential issue (Aspect 2009). These thresholds trigger detailed evaluations and potential management responses when concerning trends emerge.

Current use of the EWLs are an appropriate, meaningful and important groundwater management tool. As part of the monitoring program efforts moving forward, refinement to the metrics and management responses should be

developed to address potential risks, particularly as they relate to declining water levels, which has yet to be implemented as fully as chloride level evaluations.

7.4.2 Expand Surface Water Monitoring

Groundwater withdrawals can capture water that would contribute to baseflow discharge to streams, thus reducing streamflow. Withdrawals from shallow unconfined aquifers generally capture a larger proportion of baseflow discharge than equivalent withdrawals from deeper confined aquifers. Although not constructed to specifically quantify impacts to streams from groundwater withdrawals, results from the Bainbridge Island groundwater model indicate that increased groundwater pumping will result in a decrease in groundwater drainage to the surface through springs, wetlands and streams where groundwater discharge to the surface typically occurs.

Because groundwater and surface water are connected and one of the objectives of managing groundwater on the Island is to protect and enhance the natural environment on the Island, monitoring streams on the Island is an important component of proposed management strategies. Monitoring can aid in detecting impacts to streams as well as the performance and effectiveness of mitigation and management strategies.

Streams in the Murden Cove and Fletcher Bay watersheds are closed to further water right appropriations by Chapter 173-515 WAC. This closure includes proposed water right withdrawals directly out of the streams and groundwater withdrawals that would reduce streamflow. Water rights can be approved if the impacts to the closed streams can be fully mitigated.

Chapter 90.94 RCW extends the requirement for mitigating impacts to closed streams to permit-exempt wells. Permit-exempt wells are groundwater uses authorized by RCW 90.44.100 that do not require a water right issued by the State of Washington. Most permit-exempt wells are used for single or multiple domestic purposes and wells put into service since 2018 are limited to withdrawals maximum annual average of 950 GPD. Chapter 90.94 RCW also defines the requirements for quantifying impacts and developing and implementing mitigation strategies to offset impacts to closed streams from permit-exempt wells.

The City's Water Quality and Flow Monitoring Program has been operating on Bainbridge Island since 2008. Streamflow data is collected at four locations. In addition, King County in partnership with the City, established a streamflow monitoring site on Manzanita Creek in 2017, see Figure 42. KPUD now operates the equipment and manages the data.

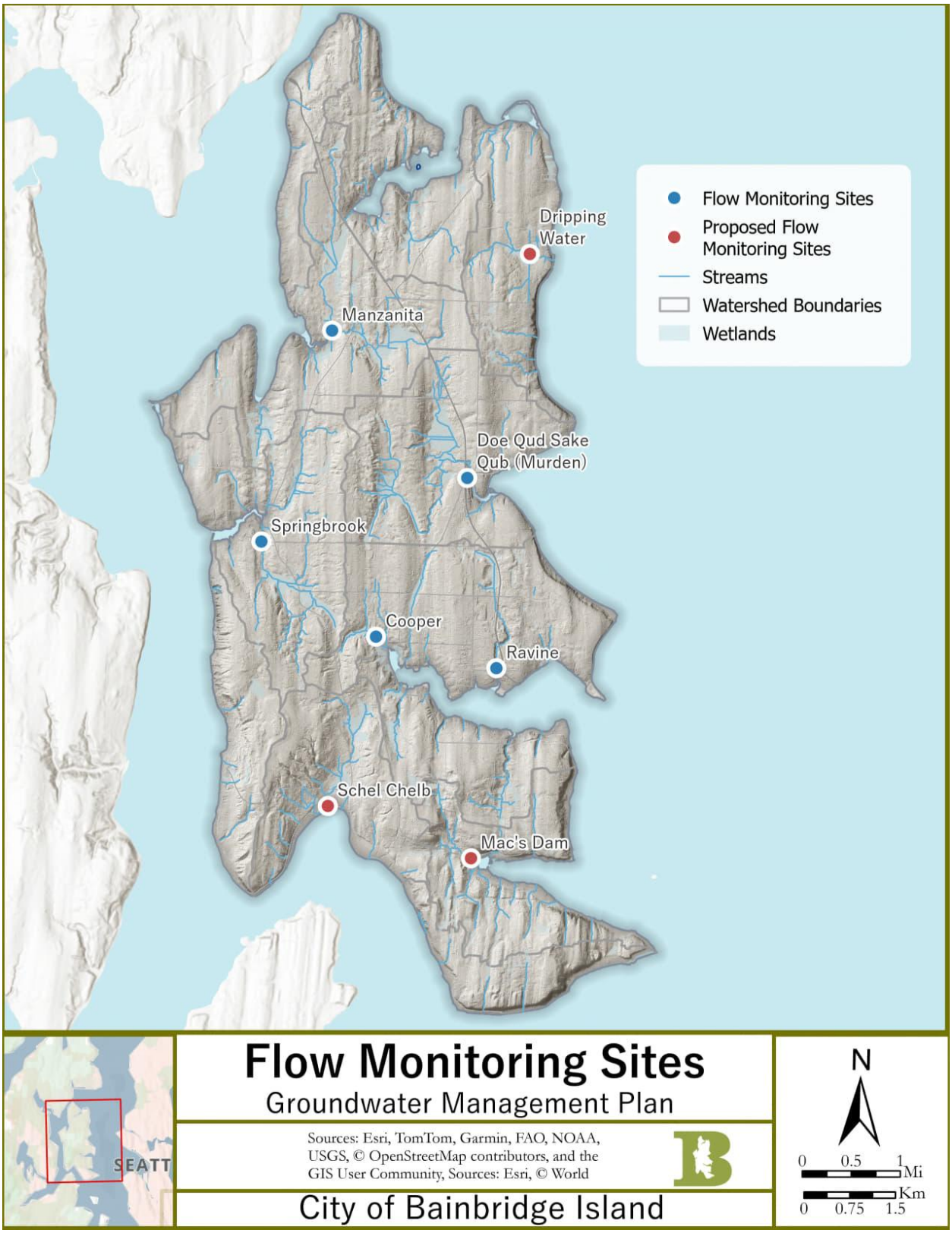


Figure 42 Current and Proposed Stream Monitoring Locations

Monitoring stations could be added to evaluate specific reaches of streams, the effectiveness of mitigation actions, and to evaluate impacts from changing land use and development projects. Specific additional monitoring locations include Schel Chelb, Dripping Water and Macs Dam (Figure 42). These would provide better spatial coverage in the north and south ends of the Island. The sites match with historic flow monitoring sites that the USGS monitored in 2007/2008 (USGS 2011). This will allow comparison to baseline data, albeit at a limited scale. More sites could be added in addition to the three proposed sites if resources become available.

Although stream monitoring is important, several potential obstacles can limit or interfere with monitoring efforts and must be considered as part of future monitoring efforts. These include:

- Most streams on Bainbridge Island have flows that are often too small to accurately measure. Measurements of narrow and shallow streams are highly susceptible to measurement error.
- Major precipitation events rearrange the steep steam channels such that the rating curves must be adjusted often.
- Access to stream channels at locations that are conducive for measurements may be difficult to obtain and may require obtaining access to private property.
- Stream monitoring stations and equipment are susceptible to vandalism and/or damage from high-flow events.

7.4.3 Update Groundwater Model

As groundwater field data continues to be collected it should periodically be reviewed for accuracy and then utilized to update and calibrate the Bainbridge Island groundwater model. This will provide decision makers with a reliable, up-to-date tool that's ready for deployment when new land-use choices are to be made.

7.5 Recommendations

Recommendations for the next 6-year period beginning in 2027 through 2032 (overlapping the timeframe for the City's Capital Improvement Plan planning cycle)

were developed based on a cost/benefit ratio analysis. Costs and benefits were assigned to the management actions in accordance with the following criteria:

- Actions with costs < $50K were assigned a value of **4**
- Actions with costs between $51K- $100K were assigned a value of **3**
- Actions with costs between $101K-$250K were assigned a value of **2**
- Actions with anticipated costs >$251k were assigned a value of **1**

- Proactive actions were assigned a value of **1**
- Preventative actions were assigned a value of **2**
- Data collection actions were assigned a value of **3**
- Information management actions were assigned a value of **4**

Each action was independently evaluated for the years 0-3 and 0-6, and the resulting values were combined for a total cost benefit score. This approach allowed for weighting actions with higher costs in the later years of implementation, given that the City will likely have limited resources to implement large projects or initiatives in a 6-year timeframe.

The analysis resulted in the prioritization of six (6) management actions in the six-year period (a ranking of all the management actions can be found in Appendix A).

- **Promoting water conservation,** including developing conservation goals, piloting conservation strategies, and evaluating results. The City has water conversation plan in the Water System Plan that can be used as a starting point. In addition, KPUD will be piloting conservation measures for the South Bainbridge Water System in the summer of 2026, which could lead to lessons learned.
- **Enhancing storm and surface water management,** including implementing a stormwater source control program and considering rebates for stormwater retrofits. The City has a robust stormwater management program that can be enhanced to address these actions.

- **Promoting rainwater harvesting,** which could help diversify water sources, reduce pressure on vulnerable aquifers, and enhance household resilience to climate change and potential future water scarcity.
- **Spreading out productions wells, evaluating interties between large systems and increasing public water storage.** These three actions each have independent benefits but are likely to be pursued together as part of a coordinated effort with KPUD. At the time of development of this plan, the City was considering an Interlocal Agreement with KPUD to explore short and long-term planning for all three of these issues.
- **Consolidating smaller water systems and users with larger public systems,** which will reduce reliance on shallow aquifers, and ultimately allow more regulation regarding the use of water resources. The City's Water System Business Plan, which was in draft at the time of the development of this plan, provides a blueprint for consolidation. There are rolling grant programs available from the state to support consolidation of small systems.
- **Evaluating and Implementing Managed Aquifer Recharge,** including following through on the Manzanita Stormwater Recharge Park project, which is currently grant funded.

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Table of Management Actions

City of Bainbridge Island Groundwater Management Plan Actions									
Actions	**Objective**	**Description**	**Benefits**	**Action Category**	**Notes**	**Planning Horizon**	**Work Plan**	**Cost** (thousands; supplemental to base cost for 1 FTE @ $150K annual)	**Cost/Benefit Analysis** Year 0-6)
Promote Water Conservation	Water usage is reduced, leading to improved aquifer health and longevity, preservation of natural environments, and postponement of the need for infrastructure expansion.	This action involves developing and promoting water conservation, which will minimize water wasting and leakage, improve water use efficiency, and potentially increase recycling and reuse of water. Programs could include measures to change behavior, adopt water-saving technologies, and improve water management practices.	Water conservation will result in reducing energy consumption, lowering water bills, protecting ecosystems, and mitigating the impacts of drought and water shortages. It also helps to maintain the health of aquatic habitats in wetlands and streams. Conservation can lower peak daily demand deferring the need for additional storage.	Proactive	The City has a water conservation plan that was included as part of the Water System Plan, developed in 2015. This plan provides a foundation for expanded conservation efforts.	Year 0-3	• Update the water conservation plan outlined in the Water System Plan • Develop a water conservation goal • Develop and implement water conservation pubic outreach plan • Evaluate past conservation measures for effectiveness • Evaluate conservation impacts on water rates • Develop "soft" and "hard" measures; pilot soft measures	$20	8.00
						Year 4-6	• Analyze metrics to measure success of the soft strategies • Pilot hard measures • Implement rate changes to reflect conservation targets	$23	
						Year 7-10	• Adaptively manage conservation plan and modify as needed	$26	
Enhance Storm and Surface Water Management	Storm and surface water quality and quantities are not damaging to the natural environment, and do not negatively impact groundwater.	This action involves increasing the use the Low Impact Development (LID) in new construction and existing development and ensuring Best Management Practices (BMPs) are implemented at all facilities handling, using and storing hazardous materials	Managing storm and surface water will result in the protection of streams and creeks, including related habitats, postponing the need for infrastructure replacement and/or expansion, and preventing groundwater contamination.	Proactive	The City has a storm and surface water program that can be tailored or adjusted to meet the needs associated with groundwater protection.	Year 0-3	• Continue to implement source control and IDDE program with a focus on wellhead protection areas and priority recharge areas. • Consider rebate/incentive program to improve retrofit/mitigation implementation.	$50	7.00
						Year 4-6	• Examine the current Low Impact Design requirements for stormwater mitigation during development with a focus on clean groundwater recharge. • Create a program to incentivize retrofits to mitigate runoff from existing development.	$50	
						Year 7-10	• If needed, refine regulations to improve developed sites' ability to match preexisting hydrology using LID, considering new climate data.	$25	
Promote Rainwater Harvesting	Harvested rainwater is readily available to supplement household use for irrigation and emergency purposes.	This action involves promoting the creation of rainwater harvesting through rain barrels and other means for use as a supplemental source of water - primarily for households but also potentially for smaller commercial uses.	Integrating rainwater harvesting could help diversify water sources, reduce pressure on vulnerable aquifers, and enhance resilience to climate change, population growth, and potential future water scarcity.	Proactive	In 2009, Ecology issued a rainwater use interpretive policy, which clarifies that you may use water collected from your rooftop without a water right permit.	Year 0-3	• Develop a policy on rainwater harvesting • Develop promotional incentives and educational opportunities for the installation of household rain barrels • Consider implementing rainwater harvesting at City facilities	$50	7.00
						Year 4-6	• Continue expanding the rain barrel program to small commercial uses	$25	
						Year 7-10	• TBD	$25	
Spacially Diversify Production Wells	Large water systems in the City are reliant upon wells that provide long-term stability and sustainability for the related aquifers.	This action involves shifting new large production wells further north on island to spread out groundwater extraction and provide longer-term sources for South Island users.	Spreading out production wells will result in relieving the pressure on certain groundwater systems, and preventing excessive drawdown, saltwater intrusion, and impacts to surface water environments.	Proactive	This action should be considered as part of a consolidated effort with other management actions, including the evaluation of interties and increases in water storage.	Year 0-3	• Perform evaluation of production well options and cost/benefit along with study of intertie options	$50	6.00
						Year 4-6	• Near the end of this planning horizon, begin evaluation of well siting costs and inter-agency agreements	$200	
						Year 7-10	• Complete evaluation of well siting costs and inter-agency agreements; Consider potential for new production well implementation	$100	
Intertie and Coordinate Operations and Management with KPUD Systems	Large water systems in the City are connected north to south with a series of interties.	This action involves coordinating management (withdrawals, distribution, and monitoring) with KPUD and potentially other water systems on the Island.	Implementing water system interties will result in environmental and economic benefits, shared resources and information, and co-management of surface and groundwater resources on the island.	Proactive	This action should be considered as part of a consolidated effort with other management actions, including the evaluation of spreading out production wells and increases in water storage.	Year 0-3	• Complete a formal cost/benefit analysis and evaluation of intertie options and consider costs as part of 2027-28 utility rate study	$50	6.00
						Year 4-6	• Consider recommendations from analysis and evaluation in the planning and funding of intertie projects; design project	$200	
						Year 7-10	• Complete at least one intertie project	$500	

Consolidate Smaller Water Systems with Larger Systems	Small water systems are systematically integrated into larger systems over time.	This action involves working to identify small water systems that could incorporate with nearby large public water systems. This would require extension of water lines, installation of meters and connections and decommissioning wells.	Consolidating water systems will result in improved operational efficiency, add enhanced financial stability through economies of scale, leading to lower per-customer costs and the ability to invest in infrastructure improvements and alternative water sources.	Proactive	A systematic approach to consolidation would allow for grant procurement, and would prevent the need for last-minute management agreements or isolated water system ownership.	Year 0-3	• Complete Water System Business Plan and begin outreach to priority neighborhoods and/or water systems regarding potential consolidation • Consider expansion/consolidation costs as part of 2027-28 utility rate study	$50	6.00
						Year 4-6	• Plan and design near-term expansions/ consolidations	$200	
						Year 7-10	• Implement priority expansions/consolidations	$1,000	
Increase Storage for Municipal Water	Large water systems in the City have coordinated storage systems that meet demand.	This action involves increasing storage volume for the municipal water systems to be able to provide enough water during peak demand. This could help spread out withdrawals and costs over a longer time period.	Increasing storage volume in the municipal water system provides several key benefits, including improving water pressure and availability, reducing peak demand costs, and enhancing emergency preparedness.	Proactive	This action should be considered as part of a consolidated effort with other management actions, including the evaluation of spreading out production wells and implementing water system interties.	Year 0-3	• Study storage issues/benefits as part of evaluation of intertie coordination	$50	6.00
						Year 4-6	• Study storage issues/benefits as part of evaluation of intertie coordination; consider storage needs resulting from potential new production wells	$200	
						Year 7-10	• Consider implementation of storage facility resulting from new production wells	TBD	
Pursue Managed Aquifer Recharge	Aquifer recharge opportunities are implemented in critical and available locations.	This action involves surface infiltration or injection directly into prioritized aquifers for later recovery. Source water for recharge could include stormwater, reclaimed water, and treated drinking water.	Aquifer recharge could augment stream baseflow, prevent seawater intrusion, increase recharge, and mitigate drawdown in aquifers.	Proactive	Reference Watershed Assessment of Manzanita as a template.	Year 0-3	• Implement the Manzanita Stormater Recharge Park project, and identify other potential projects within the Manzanita watershed for implementation. • Coordinate work with projects and offset goals identified in the WRIA 15 Streamflow Restoration Plan.	$1,200 (grant received)	6.00
						Year 4-6	• Expand the model of the Manzanita Watershed project to at least 2 additional priority watersheds.	$250	
						Year 7-10	• Identify and implement priority projects from watershed analyses.	TBD	
Provide Public Education and Involvement	The public is informed on the wise use of water resources and has a broadened interest in water-related environmental protection.	This action involves development and promoting public involvement/education programs to increase public awareness and participation in groundwater management monitoring, protection and use.	Public education and involvement will result in increased awareness of water conservation, greater community support for sustainable practices, and improved water quality. Educating the public empowers individuals to adopt sustainable habits, participate in decision-making processes, and advocate for environmental protection.	Prevention	Programs should target all age groups, and be tailored to user types.	Year 0-3	• Develop a public education and involvement plan; consider the needs of other plan actions. • Choose 1 audience per year for specific outreach material development. Implement a web-based dashboard to increase data transparency	$20	4.00
						Year 4-6	• Analyze metrics to measure success of the outreach strategies	$23	
						Year 7-10	• Adaptively manage the public education and involvement plan and modify as needed	$26	
Evaluate Limiting New Wells in Shallow Aquifer	Well limitations in specific areas relieve stress on streams and wetlands during the low flow season.	This action involves evaluating locations and depths where wells should be restricted, and/or where new wells should be at deeper depths.	Restricting some wells will improve conditions for streamflow, riparian habitat, salmonids and other wildlife	Prevention	Any restrictions could be based on existing state-level "Instream flow rules," water management act and ARPA in the Critical Areas Ordinance.	Year 0-3	• Examine the process undertaken in the Chimacum watershed to protect instream flows and its relationship to the situation on Bainbridge Island.	$25	4.00
						Year 4-6	• Develop policy	$25	
						Year 7-10	• Implement policy	$52	

Develop Seawater Intrusion Mitigation Strategies	Indications of seawater intrusion are observed early, and mitigation strategies are in place to assist impacted well owners.	This action involves developing policies and management actions to address potential impacts from seawater intrusion.	Having a plan for addressing seawater intrusion will benefit homeowners or other well owners, and could provide advanced notice to large water purveyors regarding potential infrastructure expansion needs.	Prevention	One formal response to seawater intrusion has been completed in the Seabold neighborhood. Further investigation may be warranted north and east of the previous extent.	Year 0-3	• Review and refine the City's policy for responding to a suspected saltwater intrusion event based on previous investigations.	$0	4.00
						Year 4-6	• Develop policy for the City's response to a neighborhood scale intrusion event. • Include in policy the process to protect water quality in existing wells from new nearby extraction (possibly similar to Island or San Juan Counties). Work with KPHD to define roles and responsibilities.	$20	
						Year 7-10	• Collaborate with KPUD and other major water purveyors to prepare for policy implementation, as needed.	$20	
Manage and Expand Surface Water Monitoring, Including Metering	The City can identify surface water trends and risks with a wide and continually expanding surface water database.	This action involves managing and expanding the existing surface water monitoring program through prioritization of surface water locations and variables, and the deployment of monitoring equipment. In addition, permit-exempt wells are not required to monitor their water use. Without this data is impossible to know how much water is being used on the Island.	Managing and expanding the existing surface water monitoring program will result in the ability to effectively manage island surface water resources, such as streamflow, riparian habitat and salmonid and other wildlife habitat.	Data Collection	This program can provide data for future surface/groundwater interaction modeling, including generating streamflow characteristics. The results from this program can also help inform potential land use regulations. Meters help system managers track the effectiveness of efficiency programs and monitor water loss through leaks.	Year 0-3	• Analyze the existing surface water monitoring program to identify data gaps and quality of current data sources from the current 5 automated flow gauging stations; Springbrook, Cooper, Ravine, Doe Qud Sake Qub (AKA Murden), and Manzanita Creeks (managed by KPUD). • Work with Ecology to review other metering programs, success and failures.	$22	4.00
						Year 4-6	• Develop a plan to expand the surface water monitoring program based on watersheds with greatest modeled impacts and highest priority resources. Possible streams include Dripping Water, Schel Chelb and Mac's Dam creeks and others that coincide with monitoring work by USGS in 2007/2008. • Develop a program to subsidize metering hardware and organize metering data.	$25	
						Year 7-10	• Implement an expansion of the surface water monitoring program with automated stream gauging stations in up to 5 new perennial fish bearing streams. • Solicit volunteer water users to meter and report their use.	$50	
Reform Critical Area Aquifer Recharge Area Codes	Critical groundwater recharge areas are protected from development impacts.	This action involves evaluating land-use impacts and potential mitigation strategies in key watershed and groundwater recharge areas.	Identifying groundwater recharge protection areas will result in protecting shallow groundwater and surface waters on the island in the short-term, and will protect deep aquifers in the long-term.	Prevention	Some level of work on this effort was performed in 2018 as part of the development of the aquifer recharge protection area regulations. This program should include re-evaluating that work, and also identifying potential off-island areas that could also be protected through work with partner agencies.	Year 0-3	• Building on existing data from the GWMP and the Beneficial Re-use Study, develop a prioritization of recharge protection areas. • Evaluate effectiveness of the current Aquifer Recharge Protection Area regulations (BIMC 16.20.100).	$50	3.00
						Year 4-6	• Develop potential land-use changes or other regulations that would implement protection for critical recharge protections areas • Consider implementation as part of the Comprehensive Plan mid-term review process	$150	
						Year 7-10	• TBD	TBD	
Support Septic System Monitoring	All septic system are recharging the aquifer with treated water to the maximum extent possible.	Not all on-site septic systems (OSS) require regular monitoring by KPHD so it is unclear if all systems are working as designed.	By expanding monitoring requirements more OSSs that are not functioning as designed would be corrected and the quantity of treated recharge would be improved.	Prevention	Similar work is being undertaken in Pierce County and could be a model to review and emulate.	Year 0-3	• Review programs at neighboring jurisdictions that are already piloting this action.	$20	2.83
						Year 4-6	• Work with KPHD to develop regulations that require periodic inspections of all OSS.	$50	
						Year 7-10	• Work with KPHD to implement the regulations and track progress.	TBD	
Manage and Expand Existing Groundwater Well Monitoring Program	The City can identify groundwater trends and risks with a wide and continually expanding groundwater database.	This action involves managing and expanding the existing groundwater well monitoring program through outreach to existing well owners and deployment of monitoring equipment.	Managing and expanding the existing groundwater well monitoring program will result in identifying trends and potential risks, and allowing for more regular updates to the groundwater model.	Data Collection	The program should consider locating new monitoring wells with GPS, connect well logs, aquifer IDs, pumping rates, water levels, and quality data. Consider manual vs automated level logging.	Year 0-3	• Maintain existing monitoring well locations where changes in ownership have occurred • Develop and manage an outreach and implementation program aimed at encouraging the installation of monitoring equipment on private wells in highest priority areas. • Goal is to add 5 new monitoring wells to the monitoring network, from preexisting sources, in the Perched and Sea Level aquifers.	$10	2.67
						Year 4-6	• Expand existing well monitoring program by up to 3 wells per year;	$12	
						Year 7-10	• Expand existing well monitoring program by up to 3 wells per year or until target number is reached • Begin expanding monitoring program into secondary prioritization areas.	$15	

Update the Groundwater Model, Test New Scenarios	The City has access to an up-to-date groundwater model that can be used to evaluate current and future conditions.	This action involves updating the groundwater model with the most recently collected data, and running planning scenarios.	Updating the groundwater model and testing new scenarios will result in benefits such as informing policy development and data collection strategies, and identifying risk-management actions.	Information Management	Model scenarios could be used to assess the best locations for new wells or other potential projects such as managed aquifer recharge.	Year 0-3	• No action	$0	2.00
						Year 4-6	• At year 6 run 5-10-year modeling scenarios using new data captured from expansion of well monitoring and new monitoring wells • include information from observed and newly predicted conditions	$35	
						Year 7-10	• At year 9 run 5-10-year modeling scenarios using new data captured from expansion of well monitoring and new monitoring wells • Include information from observed and newly predicted conditions. • Recalibrate model based on new well reports and monitoring data. Revisit recharge variables based on best available science.	$40	
Install New Groundwater Monitoring Wells	The City has access to monitoring wells in critical locations.	This action involves expanding the groundwater monitoring network in priority locations and depths to verify model results and identify potential risks.	Installing new monitoring wells will result in comprehensive data collection and management that is critical to effectively managing island groundwater resources and avoiding degradation of the aquifer system.	Data Collection	Existing wells that can be monitored in priority locations is preferred over the expense of new wells.	Year 0-3	• Identify possible locations for new monitoring wells.	$10	1.67
						Year 4-6	• Install 1 new monitoring well in the Fletcher Bay aquifer.	$400	
						Year 7-10	• Install 1 new monitoring well in the Glaciomarine aquifer.	$500	
Evaluate and Implement Reclaimed Water Use	Wastewater is re-used in lieu of being discharged to Puget Sound.	This action involves processing wastewater from the Winslow Wastewater Treatment Plant for re-use in the Winslow area for groundwater recharge, irrigation and other non-potable uses.	Beneficial reuse of wastewater offers several benefits, including drought resilience, reduced reliance on freshwater sources, and support for agriculture and other non-potable uses. It also helps protect ecosystems by reducing the discharge of treated water into Puget Sound.	Proactive	The City is currently working on a preliminary concept for wastewater beneficial re-use that would serve as irrigation and potentially groundwater recharge.	Year 0-3	• Continue with ongoing wastewater beneficial re-use study and field investigations; Develop 30% design. • Begin discussions on agreements with high water users for re-use substitution.	$500	1.25
						Year 4-6	• Complete 100% design of re-use infrastructure.	$1,000	
						Year 7-10	• Implementation	TBD	

Groundwater Management Plan

Appendix B

Related Plans and Documents

Appendix B

Related Plans and Documents

These plans and documents are related to the groundwater management planning process but were not included in the References section of the plan:

Aspect Consulting, LLC. (2023). Bainbridge Island Groundwater Model: Aquifer System Carrying Capacity Assessment Technical Memorandum

City of Bainbridge Island. (2024). Wastewater Beneficial Reuse Analysis Technical Memorandum

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Groundwater Management Plan

Appendix C

Public Engagement Plan

Groundwater Management Plan (GWMP) – Public Engagement Plan

Purpose of the Engagement Plan

The purpose of this plan is to ensure meaningful public involvement in the development, review, and implementation of the Bainbridge Island Groundwater Management Plan (GWMP). Because groundwater is the Island's sole source of drinking water and a critical ecological resource, community voices are essential in shaping a management strategy that reflects shared values, scientific understanding, and long-term sustainability.

This engagement plan aims to:

- Build awareness and transparency around groundwater conditions and management needs.
- Ensure representation of diverse community perspectives.
- Foster trust through open communication and accessible information.
- Gather input to inform decision-making and implementation strategies.

Stakeholder Identification

Primary Stakeholders

- Residents (homeowners, renters, neighborhood associations).
- Water purveyors (public utilities, private water systems, individual well owners).
- Local government (City of Bainbridge Island, Kitsap County, planning commissions).
- Tribal governments (Suquamish Tribe, other interested Tribes).
- Environmental and community organizations (e.g., Bainbridge Island Land Trust, Sustainable Bainbridge).
- Businesses and institutions (farms, schools, commercial users reliant on groundwater).

Secondary Stakeholders

- State and regional agencies (WA Dept. of Ecology, Kitsap Public Health District).
- Researchers, consultants, and technical experts.

Engagement Objectives

- Educate the public about groundwater resources, vulnerabilities, and management needs.
- Inform stakeholders about the GWMP process, timeline, and decision points.
- Consult with the public to gather input on values, concerns, and priorities.
- Collaborate with stakeholders on solutions and implementation strategies.
- Empower the public by providing accessible data, tools, and opportunities for long-term involvement.

Engagement Methods and Tools

Information Sharing

- Project Website: Central hub with plain-language summaries, technical reports, maps, and FAQs.
- Fact Sheets & Infographics: Simplified visuals explaining aquifers, recharge, water use, and risks.
- Newsletters: Email updates through city and partner mailing lists.

Public Input Opportunities

- Community meetings (in-person and hybrid): Interactive sessions using maps, small group discussions, and Q&A.
- Open Houses: Drop-in events with stations on key topics (science, conservation, land use, policy options).
- Informal and formal comment opportunities: Online solicitation to capture broad community perspectives.

Ongoing Collaboration

- Stakeholder Advisory Group: Representatives from community, Tribal, business, and environmental sectors to meet regularly and advise on plan development.
- Technical Working Group: Scientists, engineers, and agency staff have opportunities to review data and provide recommendations.
- School & Youth Engagement: Partnerships with schools and/or Bainbridge Youth Services for groundwater education.

Engagement Prior to 2025

- Establishment of the Groundwater Management Sub-Committee and the Technical Advisory Committee (See Appendix D for more information).
    - GWMP Sub-Committee is established with 2 members each from the Utility Advisory Committee, the Environmental Technical Advisory Committee, and the Climate Change Advisory Committee.
    - Technical Advisory Committee is established with members representing the Suquamish Tribe, Kitsap County Health District, Kitsap Public Utility District; the State Department of Ecology, and city staff and the consultant team.
- Publishing of the Groundwater Management Fact Sheet (2021 - developed by city committee members in coordination with city staff)
- Publishing of the GWMP Engage Bainbridge website (2022)
- Hosting of a GWMP online engagement meeting (2022)
- Tabling at the Bainbridge Island Farmer's Market (2022)
- Publishing of the groundwater-focused COBI Connects newsletter (2022)
- Periodic updates to the City Council at regular and study session meetings

Engagement in 2024-2025

- **Ongoing** – continued periodic meetings of the GWMP Sub-Committee and Technical Advisory Committee, including publishing meeting recordings on the City's website
- **Ongoing** – continued periodic updates to the City Council at regular and study session meetings
- **Ongoing** – developed regular updates to the GWMP project page on the City's website, including hosting of committee meeting recordings
- **Fall 2024 –** Presented GWMP updates at the Comprehensive Plan Open House
- **Winter 2025 –** Developed and distributed GWMP update memos for the City Council and general public

- **Spring/Summer 2025**
    - Published updated Engage Bainbridge website, including first draft documents of the GWMP and modeling memo.
    - Solicited informal comments from the Committees
    - Solicited formal comments from the public via the Engage site
    - Developed the GWMP Summary Memo for the purpose of educating/informing the public on the plan findings
- **Fall 2025**
    - Published updated Engage Bainbridge website, including second draft documents of the GWMP and modeling memo.
    - Solicited informal comments from the Committees
    - Published Peer Review documentation
- **Spring 2026 (planned)**
    - **May 12** - Present final GWMP to the City Council
    - **May 20 -** Host in-person engagement meeting, meeting format TBD (Open house with presentation and Q&A; Panel discussion with project committee members and/or agency representatives)
    - **June 9** - City Council plan adoption
    - **Summer/Fall 2026** – Develop materials for city-wide distribution through information in the City Highlight; Plan engagement opportunities for other interest stakeholders, including community organizations, businesses, schools, etc.

Groundwater Management Plan

Appendix D

Technical Advisory Committee Charter

City of Bainbridge Island

Groundwater Management Plan

Technical Advisory Committee Charter 2022/2023

Background

The City of Bainbridge Island (City) residents, workers and visitors depend on groundwater for all water supply needs. Groundwater also plays a vital role in supporting healthy streams and wetlands across Bainbridge Island. Recognizing management of this precious resource requires a sustainable and comprehensive island-wide approach, the City's 2016 Comprehensive Plan directs that a Groundwater Management Plan (GWMP) be adopted. The GWMP is envisioned as an accessible document that can be adapted as needs change.

Purpose

The purpose of the technical advisory committee is to provide technical guidance and commentary on the robustness and applicability of the science underpinning the City's GWMP. Each member brings specialist knowledge regarding water resource science and management.

The primary areas of interest include, but are not limited to the following:

- Characterization of the groundwater system bringing together existing information
- Updated numerical simulation of groundwater flow
- Monitoring network review
- Groundwater / surface water interaction
- Impacts of land use on groundwater quality, including on-site septic systems
- Impacts of climate change on groundwater recharge and saltwater intrusion
- Impacts of projected population growth on the groundwater system

Members

Name	Organization	Position	Contact Details
Doug Wood	WA Department of Ecology	Hydrogeologist/Permitting Specialist	dwoo461@ecy.wa.gov (206) 594-0196
Joel Purdy	Kitsap Public Utilities District	Water Resources Director	jpurdy@kpud.org (360) 626-7722
John Kiess	Kitsap Public Health District	Environmental Health Director	john.kiess@kitsappublichealth.org (360) 728-2290
Charlie Kratzer	Suquamish Tribe	Hydrologist	ckratzer@suquamish.nsn.us (360)-394-8629

Quorum

The quorum at a meeting consists of two of the four members.

Guiding Principles

The Technical Advisory Committee will observe the following principles:

- Contribute knowledge and perspectives but not promote the views or positions of any interest or stakeholder group.
- Promote a philosophy of integrated water management to achieve multiple objectives of the range of interests in water.
- Seek consensus where possible.

Meeting Logistics

The Technical Advisory Committee will hold an initial meeting in May 2022 and will meet periodically (anticipated to be quarterly during the remainder of 2022 and in 2023). The meetings will be held on-line via Zoom and will be hosted by the City. Meeting agenda and minutes will be compiled by City staff and distributed to all attendees.

Groundwater Management Plan

Appendix E

Early Warning Level Assessment

2021

GROUNDWATER MONITORING PROGRAM EARLY WARNING LEVEL ASSESSMENT (2021)

Prepared by

Christian Berg
Water Resources Technician
B.A. Environmental Studies

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Cover photos, top to bottom: Landfill monitoring well, Casey Street water wellhead, private pump house Ferncliff Ave.

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A special thank you to all the well owners who participate in the monitoring network, allowing a consistent, long-term examination of groundwater status and trends to safeguard the Island's drinking water supply.

The original author of this report is Cami Apfelbeck. This update includes minor changes to data points and metrics that have changed since the previous analysis.

Citation

City of Bainbridge Island. 2022. Groundwater Monitoring Program Early Warning Level Assessment (2021). Updated by Christian Berg and Maureen Whalen, Water Resources Program. Bainbridge Island, Washington.

Purpose

This assessment is a comparison of monitoring data collected over the last ten-year period (2012 -2021) to the Groundwater Management Program's Early Warning Levels (EWLs) for safe yield and seawater intrusion, any exceedances of which trigger follow-up investigation and study. This is not an in-depth hydrogeological assessment of historical trends in water level, quality, and production.

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1.0 EXECUTIVE SUMMARY

Groundwater is the only source of drinking water on Bainbridge Island. Groundwater-related concerns for the Island are the risk of seawater intrusion (migration of saltwater into the freshwater drinking supply) and pumping rates above the aquifer system's safe yield (amount of water that can be removed from the aquifer system without causing adverse effects).

The City of Bainbridge Island (the city) monitors 87 public and private wells Island-wide from the five aquifers in the Bainbridge Island aquifer system (Figure 1 and Table 1). This assessment is a comparison of monitoring data collected over the last ten-year period (2012 - 2021) to the Early Warning Levels (EWLs) for safe yield and seawater intrusion, any exceedances of which trigger follow-up investigation. The EWLs for the city's monitoring program are described in Findings, Section 3.0. Refer to the Groundwater Monitoring Program Plan (2009) for a more in depth discussion on the purpose and definition of EWLs.

1.1 Water Levels

Over the ten-year assessment period (2012 – 2021), most water level trends were steady or slightly decreasing. The current assessment indicates water levels in 11 wells across four aquifers exceed the EWL for safe yield. Eight of these wells are associated with community water supply systems, two are private water supply wells, and one is a monitoring well associated with a golf course. See Table 1 and 3 for details.

1.2 Chloride

One chloride concentration measured for the assessment period exceeded the EWL for chloride concentration (100mg/l or greater) and one public water supply well showed a steady increasing trend over the past 4 years. Nearly all chloride concentrations in each aquifer were relatively low (usually less than 21 mg/L) when compared to the secondary maximum contaminate level (MCL) of 250 mg/l[1].

1.3 EWL Exceedance Investigation

The method for investigating an exceedance, or trigger, of an EWL for safe yield involves an examination of all the available data for the subject well, a second quality assurance review of all data, examination of nearby wells and their trends to look for neighborhood level trends, and communication of the trend with the well manager. Refinement and expansion of these methods will be performed with the development of the Groundwater Management Plan, scheduled for publication in 2023.

[1] MCL set by the US Environmental Protection Agency (EPA), https://www.epa.gov/sites/default/files/2016-06/documents/npwdr_complete_table.pdf

The one public supply well that showed an increasing trend in chloride had relatively average concentrations, 7.4mg/l in 2021 vs an average of 6.6mg/l for the same aquifer (perched aquifer). Follow up investigation will still be performed in an attempt to determine the cause of the trend. Further field investigation will also be scheduled for the area around the private well that continues to exceed the EWL in the Seabold area.

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2.0 INTRODUCTION

Groundwater is the only source of drinking water on Bainbridge Island. Major groundwater-related concerns for the Island are the risk of seawater intrusion (migration of saltwater into the freshwater drinking supply) and pumping rates above the aquifer system's safe yield (amount of water that can be removed from the aquifer system without causing adverse effects).

2.1 Early Warning Levels (EWLs)

Early Warning Levels (EWLs) are quantifiable metrics used for initial data evaluation to provide timely warning of potential issues. If an EWL is exceeded, the validity of the data is confirmed by conducting an issue-specific technical data review and analysis. If the data are confirmed, then additional sampling and field investigation are performed to further examine the nature and extent, and potential cause of the problem.

The EWLs established for the city's monitoring program can be found in the most current update to the Groundwater Monitoring Program, last revised by Aspect Consulting in March 2009.

2.2 The Aquifer System

Bainbridge Island has five principal aquifers (Figure 1) (KW/RN, 2000), the extents of which were refined in the U. S. Geological Survey's (USGS) *Conceptual Model and Numerical Simulation of the Groundwater-Flow System of Bainbridge Island, Washington* (Frans et al., 2011).

Perched Aquifer —The Perched Aquifer is comprised predominantly of Vashon Advance glacial outwash (Qva). The top of the aquifer ranges from sea level to more than 300 feet above mean sea level [ft MSL], with a thickness of 20 to 200 feet. The Semi-Perched Aquifer (SPA, a subset of the perched aquifer) exists within permeable interbeds (QClpi) of the upper confining unit (QC1) which is found below the Perched Aquifer. The top of the Semi-Perched Aquifer ranges from sea level to more than 200 ft MSL, with a thickness of 10 to 50 feet.

Much of the area previously mapped as Semi-Perched Aquifer by Kato and Warren and Robinson and Noble (KW/RN, 2000) was reclassified as Perched Aquifer by the USGS when developing the Bainbridge Island groundwater model (Frans et al., 2011). These aquifers are utilized by predominantly domestic wells, and about 29 percent of wells are completed in these aquifers. In this report "perched aquifer" and "semi-perched aquifer" may be used interchangeably.

Sea Level Aquifer —The Sea Level Aquifer (QA1) is extensive, widely used, and mostly confined by QC1. The top of the aquifer ranges from -200 to 200 ft MSL, with a typical thickness of 25 to 200 feet. About 53 percent of wells are completed in this aquifer.

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Glaciomarine Aquifer —This aquifer consists of water-bearing units within a thick sequence of fine-grained glaciomarine drift (QA2). The top of the aquifer ranges between more than -500 to -300 ft MSL, with a typical thickness of 20 to 300 feet. Several of Bainbridge Island's production wells and at least 4 domestic wells are completed in this aquifer, representing about 2 percent of wells.

Fletcher Bay Aquifer —This aquifer (QA3) is the deepest identified aquifer on Bainbridge Island. Several large production wells are completed in this aquifer. The top of the aquifer ranges between more than -900 to slightly less than -600 ft MSL, with a typical thickness of 50 to 300 feet. While representing only about 1 percent of wells on Bainbridge Island, the metered Kitsap Public Utility District (KPUD) and city wells provide approximately 30 percent of the estimated total Island groundwater production.

Bedrock Aquifer —Less than 1 percent of the wells are completed in the sedimentary Blakely Harbor and Blakeley formations on the south end of Bainbridge Island which form this aquifer.

Other wells on Bainbridge Island (about 15 percent) are either completed in water bearing zones within confining units or have an indeterminate aquifer completion zone.

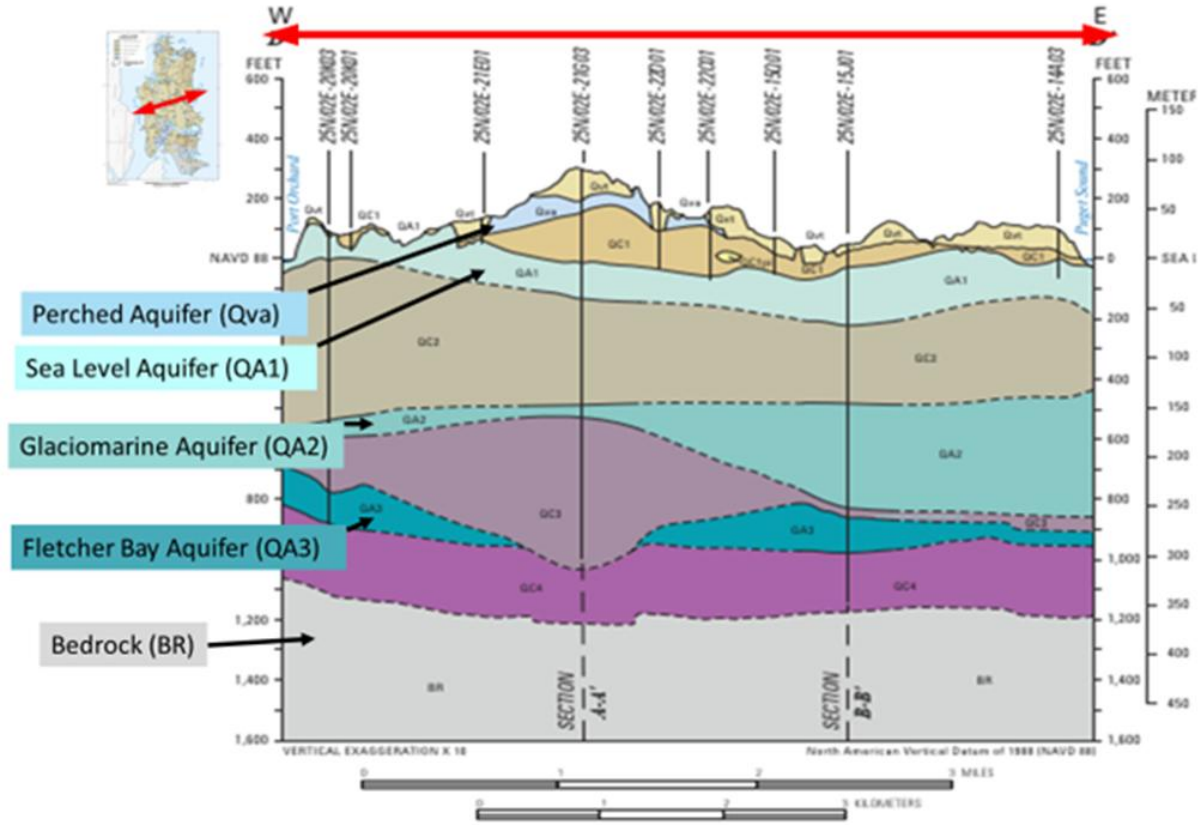

Figure 1 Hydrogeologic Cross-section (modified from Frans et al. 2011)

2.3 The Monitoring Well Network

The city's monitoring well network includes both public and private wells and is distributed Island-wide across the five Bainbridge Island aquifers (Figure 2). The number of wells in the network may change should well owners choose to drop out of the network or when additional public wells are added to the network when they come under the ownership or management of either the city or KPUD. The current network includes 87 monitoring wells, and their aquifer distribution is summarized as follows:

- Perched Aquifer- 24 wells
- Sea Level Aquifer – 44 wells
- Glaciomarine Aquifer – 6 wells
- Fletcher Bay Aquifer – 12 wells
- Bedrock Aquifer – 1 well

Currently, of the 87 wells in our network, 38 are monitored for water level only, 38 are monitored for both water level and chloride, and 11 wells are monitored for chloride only. The current monitoring network details are provided in Table 1.

In assigning wells in the monitoring network to a given aquifer, the determination of the aquifer was made by comparing screen elevation with aquifer elevation and by comparing well location with lateral extent of an aquifer as shown in the 2000 Level II Basin Assessment (KW/RN, 2000) or the *Conceptual Model and Numerical Simulation of the Groundwater-Flow System of Bainbridge Island, Washington* (Frans et al., 2011).

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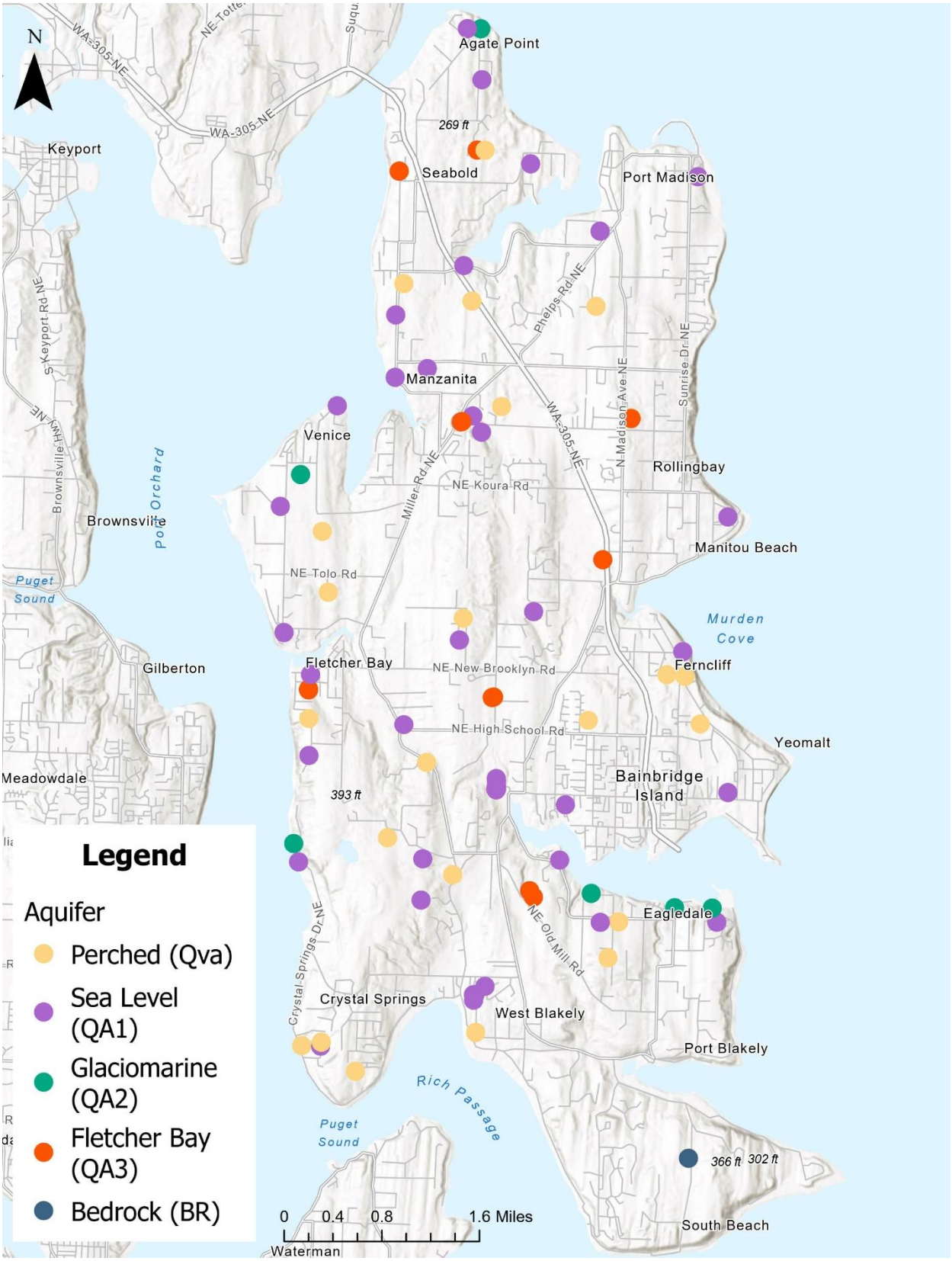

Figure 2 Groundwater Monitoring Network

3.0 FINDINGS

3.1 Water Levels

Water levels in a well vary under different conditions. After a pump is turned on to extract water, the water level in the well will begin to lower (drawdown). These are "pumping" water levels. After the pump is turned off, the water level in the well will begin to rise or recover. These levels are "rising" or "recovery" levels. Pumping in a nearby well in the same aquifer can cause drawdown and recovery effects in the subject well. Once the pump is turned off and water level has returned to its original position and remains steady, it is considered static. This level is called the "static" water level.

Water professionals collect different types of water level data for specific purposes. Well drillers collect water levels under all conditions to assess viability of the well (can it produce good-quality water at a rate sufficient to supply the demand). Production wells are routinely monitored throughout varying pumping conditions and recovery periods to assess well/pump capacity and performance, assess aquifer response, and manage distribution.

Water resources managers collect *static water levels* for groundwater status and long-term trend analysis. Data are collected at a various intervals ranging from continuous automated systems to periodic manual (or visual) readings. As part of the data quality validation process for this assessment, all water level data were thoroughly examined to isolate static water levels from all other water level measurements. Any non-static water level data or data determined to be invalid due to faulty measurement method or instrumentation were removed from the data set before trend assessment and comparison to the EWL. Also, accessibility of individual wells for data collection can vary periodically.

The city's Groundwater Monitoring Program defines the aquifer **safe yield EWL** as *a declining rate of ½ foot or more per year over a ten-year period that cannot be explained by variations in precipitation* (Aspect, 2009). As the EWL examines a ten-year period, calculations were only applied to wells that had at least eight years of data in the last ten years (2012 – 2021). Water level trend calculations were based on an ordinary least squares fit to monthly averages of all static water level data.

It is important to note that reviewing data sets over a constrained period of time such as the ten-year period specified in the safe yield EWL can be useful, but it has some limitations. One significant limitation is that it isolates the current ten-year period from the longer, historical record, where such exists. The historical record could reveal that the current increasing or declining trend may be part of a natural, long-term fluctuation in water level and not the result of exceeding safe yield. It is important to consider the long-term record of all water levels, where such exists, when conducting follow up investigation.

For this assessment period (2012 – 2021) 67 of the 76 wells we monitor for water levels had sufficient data for the safe yield EWL water level trend analysis (Table 2):

- 23 wells in the Perched Aquifer
- 31 in the Sea Level Aquifer
- 4 in the Glaciomarine Aquifer
- 8 in Fletcher Bay Aquifer
- 1 in the Bedrock Aquifer

To determine variations in precipitation, the city uses a Cumulative Departure Precipitation (CDP) curve which represents the running total of differences between monthly rainfall and the average rainfall over the ten-year assessment period. Downward trends in the CDP indicate periods of below average precipitation and upward trends indicate periods of above average precipitation. Groundwater levels naturally rise during above average precipitation and fall during below average precipitation. Therefore, under natural conditions, well water levels should be rising and falling similarly to the CDP curve. For this comparison, the CDP curve is plotted along with each well's hydrograph (water level data plot) in Appendix B.

All of the safe yield EWL trends are summarized in Table 2. The safe yield EWL trends were relatively steady or increasing over the ten-year assessment period for 22 wells. The safe yield EWL trends in 34 wells were declining but did not exceed the EWL trigger value. The safe yield EWL appeared to be exceeded in 11 wells (Table 3 and Figure 3).

Water level trends for wells in each aquifer are shown in individual well hydrographs in Appendix A and by aquifer in Appendix B.

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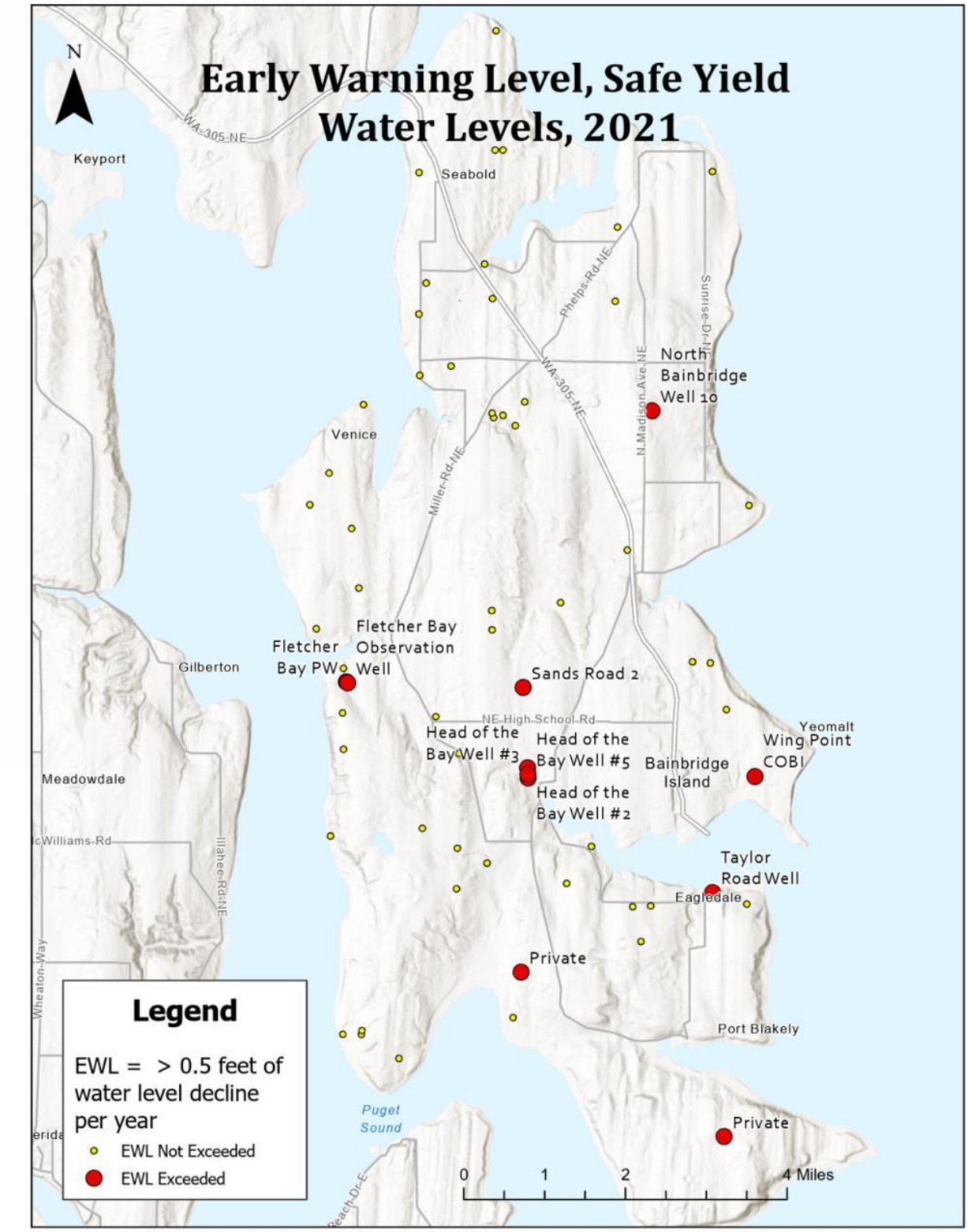

Figure 3 EWL Safe Yield Map

3.2 Chloride

Chloride concentration in groundwater is the most common indicator used to assess saltwater intrusion which is the migration of saltwater into freshwater drinking supplies. For land masses surrounded by marine water like Bainbridge Island this process is called seawater intrusion. Intrusion along the shoreline can be a natural phenomenon, but it can also be caused by over-pumping of groundwater which pulls the saltwater into the well or aquifer.

The city's Groundwater Monitoring Program defines the seawater intrusion EWL as *a chloride concentration at or above 100 mg/L or any increasing trend in chloride concentration* (Aspect, 2009). The 100 mg/L level is based on Washington State Department of Ecology's draft Seawater Intrusion Policy (DOE, 1990).

A determination of an increasing trend requires at least four consecutive samples or samples taken over at least a one-year period with seasonality taken into account. Chloride concentration can vary between the wet season and the dry season. Therefore, to take seasonality into account, the city separated chloride data by season before comparing concentration trends to the EWL.

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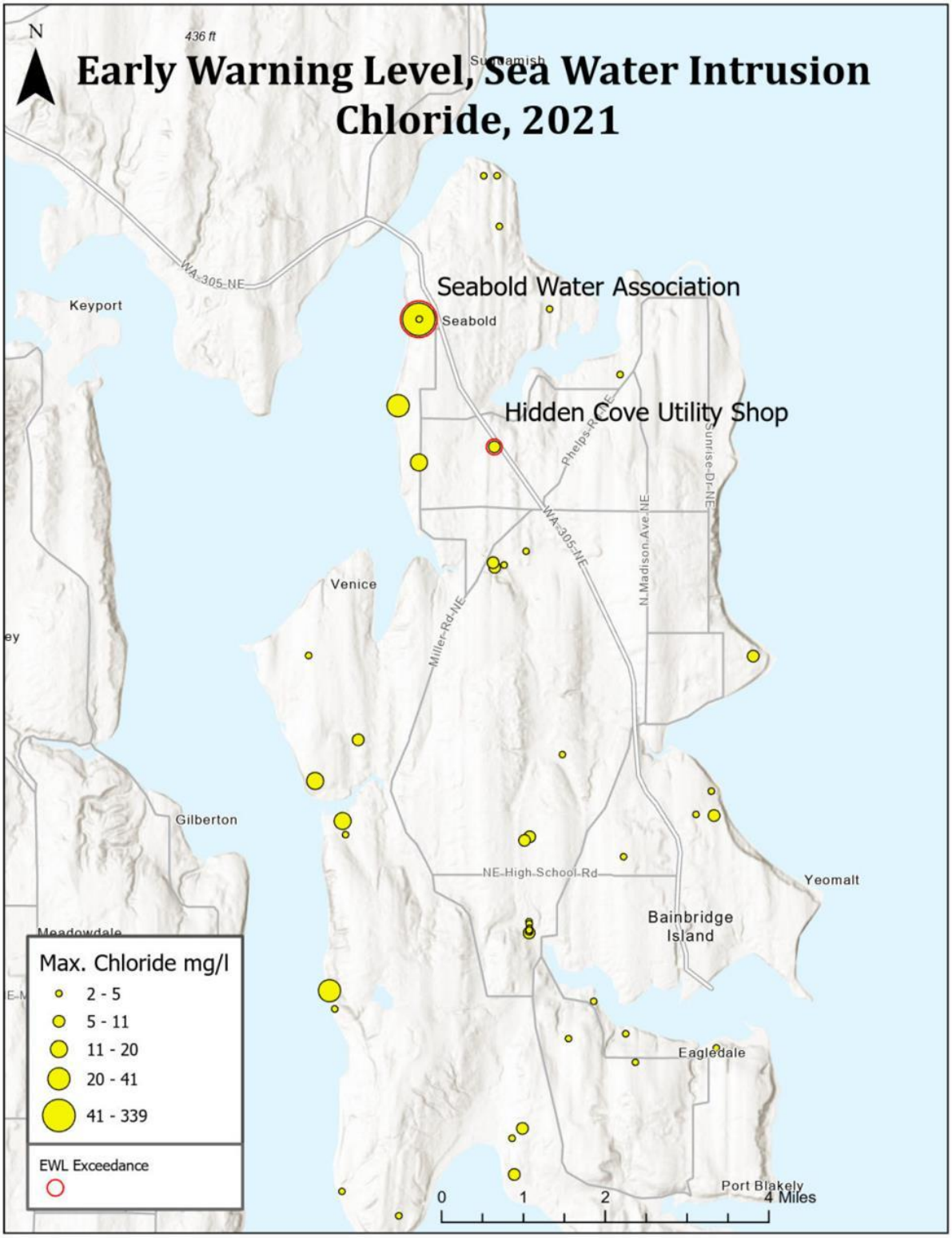

Figure 4 EWL Chloride Map

3.2.1 Figure 4 Chloride Results Map 2021

Similar to the safe yield EWL assessment, this approach to chloride concentration assessment can come with some limitations. For example, small increases in chloride concentration over four years may exceed the EWL, but the longer-term record may show that this fluctuation is not an issue due to the relatively low concentration of chloride. It is important to consider the longer-term record, where such exists, when conducting follow up investigation.

As part of the data quality validation process, all unusual data values that appeared to fall outside of the normal range of values were thoroughly investigated. All data identified as either outliers (meaning all concentrations before and after were significantly different) or invalid due to faulty sampling or analysis method were removed from the data set before comparison to the EWL. Chloride concentrations are plotted on the well hydrographs in Appendix A for wells in which chloride is monitored.

A total of 49 wells were sampled for chloride in 2021. One well had chloride concentrations that exceeded the EWL and one well showed and increasing trend. Chloride concentrations in all aquifers were low (usually less than 21 mg/L). It should be noted that chloride samples 2019 and 2020 for the City's production wells (Casey Street Water System Fletcher Bay Production Well, Head of Bay Wells 1,2,3, 4, 5, and 6, Sands 1, Sands 2,) and the Hidden Cove Utilities Shop and High School #2/Commodore were analyzed using a method with a detection limit of 20 mg/l, consequently all results are reported as not detected above 20 mg/l meaning the actual concentration is lower. In 2021 the laboratory was able to lower the detection limit and produce accurate results below 20 mg/l. In all cases, the subsequent 2021 results indicated a chloride concentration similar to pre-2019 results.

3.2.2 Perched Aquifer

Nine wells in the Perched Aquifer were monitored for chloride. In 2021, chloride concentrations ranged from 3.69 mg/L to 11.60 mg/L, and one well in this aquifer exceeded the EWL.

The Hidden Cove Utility Shop well (25N/02E-04G03) showed a slight but consistent increasing trend over the past four years from 6.0 to 7.3 mg/l.

3.2.3 Sea Level Aquifer

In 2021, 29 wells in the Sea Level Aquifer were monitored for chloride. Chloride concentrations ranged from 2.07 mg/L to 339 mg/L, and one well in this aquifer exceeded the EWL.

One of the Seabold Water Association's wells (26N/02E-33E1) measured 339 mg/l, down from 1,300mg/l in 2017.

3.2.4 Glaciomarine Aquifer

In 2021, four wells in the Glaciomarine Aquifer were monitored for chloride, none of which exceeded the EWL. Chloride concentrations ranged from 2.90 mg/L to 41.50 mg/L for all but one well.

3.2.5 Fletcher Bay Aquifer

In 2021, six wells in the Fletcher Bay Aquifer were monitored for chloride, none of which exceeded the EWL. Chloride concentrations ranged from 2.59 mg/L to 8.12 mg/L.

3.2.6 Bedrock Aquifer

Seawater intrusion is generally not a concern for bedrock aquifers. Therefore, the city does not monitor wells in this aquifer for chloride.

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4.0 FURTHER INVESTIGATIONS

In accordance with Groundwater Management Program guidance, an exceedance of an EWL would result in one or both of the following management responses: (1) additional investigations in order to determine if a potential problem is developing, and (2) protective or remedial actions where appropriate. Possible investigations could include additional data evaluation, expanded monitoring, problem specific technical review and analysis, or modeling. Possible actions may include water conservation, limitations on new wells, or development of alternate water supplies (Aspect, 2009).

This section is a discussion of additional investigation completed in 2021 or in progress at the time of this reporting, in response to observed EWL exceedances.

4.1 Safe yield

Sporadic water level declines in excess of the safe yield EWL have been noted since the city began assessing water level data from specific wells across the island (Aspect, 2009; Aspect, 2015; and COBI, 2017). Water level declines exceeding the safe yield EWL for the current assessment period (2012 – 2021) are discussed in the following sections.

4.1.1 Sea Level Aquifer

4.1.1.1 Head of Bay wellfield

Three of the City's production wells at the Head of Bay wellfield (Head of Bay Well 2, Head of Bay Well 3, and Head of Bay Well 5) exceed the EWL for safe yield. In accordance with the Groundwater Monitoring Program provisions (Aspect, 2009), the data underwent additional scrutiny. This assessment period is the first where sufficient data are available for the trend analysis for all three wells, thus there is not a prior trend for comparison. The water level trend analysis relies on static water levels which are not influenced by pumping. Given the wells are located within a wellfield, this can be problematic. In addition, the wells are often under flowing artesian pressure, which can reduce the accuracy of water level measurements. Although, the Sea Level Aquifer is confined, a comparison to the CDP illustrates a response between lower water levels and drier conditions. These wells will continue to be monitored closely and rehabilitation will be considered to assess the condition of the physical well screens.

4.1.1.2 Wing Point COBI

Wing Point COBI (25N/02E-26B01), one of two wells located on the Wing Point Golf Course, had a declining trend of -1.0 ft/yr over the last ten years. It is likely some of the water levels reported were levels under the influence of pumping from the second well to support irrigation. The longer-term record indicates a -0.3 ft/yr decline over the previous 14 years (2007 to 2021). There are no other nearby wells for comparison as this well is located within the City's water service area. This well will continue to be monitored closely.

4.1.1.3 Private well (24N/02E-3D02)

Private well 24N/02E-3D02 has a declining trend of -0.56 ft/yr and is located within 1,000 ft of KPUD's South Bainbridge wellfield and is likely influenced by production from the public water wells. Similar to the Head of Bay wells, private well 24N/20E-3D02 show a relationship with the CDP. The water level trend over the entire length of record (2006 to 2021) indicates a decline of -0.1 ft/yr. This well will continue to be monitored closely.

4.1.2 Glaciomarine Aquifer – Taylor Road Well

The Taylor Road Well supplies the City's Rockaway Beach water system. Water levels are generally flowing artesian and as discussed for the Head of Bay wells, may be subject to measurement inaccuracies. The well has experienced increased production demand in the recent five years resulting in obtaining true static water levels problematic.

The water level trend for the Taylor Road Well (-1.3 ft/yr) is likely influenced by well specific issues and there is insufficient evidence to tell if this is representative of aquifer conditions. The water level trend over the entire length of record (2006 to 2021) indicates a decline of -0.6 ft/yr. The decline in water level is notable from about 2018 onwards and may reflect inaccuracies in measurement (Aspect, 2022). The well is currently scheduled for rehabilitation activities later this year aimed to improve well performance.

4.1.3 Fletcher Bay Aquifer

4.1.3.1 Fletcher Bay observation well and Fletcher Bay production well

The observed decreasing water level trend in the Fletcher Bay Observation well (-1.2 ft/yr) (monitored by KPUD) and the City's Fletcher Bay Production Well (-0.7 ft/yr) both exceeded the EWL for safe yield. A comparison of this declining trend to trends in other wells completed in the Fletcher Bay Aquifer is difficult due to the lack of comparable nearby wells. The nearest wells are the COBI Sands Road Wells 1 and 2 approximately 1.5 miles to the east. There is insufficient information to indicate whether the Fletcher Bay Aquifer is laterally connected in this area. Nevertheless, the water level trend for the Sands Road 1 Well does not indicate a similar decline as found in the Fletcher Bay Production Well and the Observation Well. The decline noted in the Sands Road 2 well as discussed in Section 4.1.3.2 is not considered representative of the aquifer. The other closest well in the City's monitoring network is Meigs Farm well, located 2.5 miles to the northeast. The water level trend analysis for this well indicates a decline of -0.3 ft/yr (2012-2021).

4.1.3.2 Sands Road 2

The Sands Road 2 well showed a declining trend of -1.2 ft/yr over the last ten years. However, co-located Sands Road 1 in the same aquifer showed a decreasing trend of -0.2 feet per year. The Sands Road 2 well's more pronounced decreasing trend is likely

influenced by well specific construction, condition of the screen and measurement instrumentation accuracy issues. This well is scheduled for rehabilitation activities in 2023. Evaluation of the static water levels after this action will show if the trend is caused by well condition or a true water level decline.

4.1.3.3 North Bainbridge Well 10

The North Bainbridge Well 10 located near the intersection of NE Viewcrest Ave and N Madison Ave on the northeast side of the island had a declining trend of -0.5 ft/yr which exceeds the EWL. Examination of the longer-term record (2006 to 2021) indicates an overall decline of about 2 ft or -0.12 ft/year. The recent decline in water levels (2017 to 2021) is likely due to a combination of a negative CDP during 2019 to 2021 indicating lower precipitation than average and an increase in pumping during the summer months of 2020 and 2021. This well will continue to be monitored closely (Purdy, pers comm, 2022).

4.2 Chloride exceedances

4.2.1 Seabold Area

In 2006, chloride concentration in the Seabold Water Association drinking water supply well exceeded the city's early warning level for potential seawater intrusion. The city, KPUD and Kitsap Public Health District (KPHD) conducted an investigation to determine if elevated chloride was a regional issue and if the elevated chloride was due to seawater intrusion or a local point source of contamination (KPUD, KPHD, and COBI, 2018).

Chloride concentrations in the well have reduced substantially between the 2017 sample (1,300mg/l) and the 2021 sample (339 mg/l). This could be due to the well being reinstated as a water source for the Seabold water system. To accomplish this the system added reverse osmosis device to make the water potable.

4.2.2 Hidden Cove Utilities Shop Well

In response to a steadily increasing trend of chloride over the last 4 years the city has investigated potential sources of chloride that could be the cause. Seawater intrusion is not likely as the monitoring well (25N/02E-04B01) between this location and the nearest saltwater source, Hidden Cove, is not showing the same trend and remains very low (1.96 mg/l Cl-). Due to the location of the well and geology of the site, onsite sources are more likely.

Salt (NaCl) is stored onsite for de-icing roads in winter and is the most obvious source of chloride in the well. Leeching of salt from onsite mixing tanks is possible though most of the salt brine that inadvertently leaks from the tanks end up in a covered, dead-end trench drain. Surface water sampling in the nearby, downgradient stormwater pond in March of

2020 showed chloride concentration at 9.29 mg/l, slightly higher than the well concentration 7.47 mg/l (2021).

To correct this potential source of salt the city has begun quarterly discharge sampling under an industrial stormwater general permit (permit # WAR311369). As part of this permit coverage the city is working to update its stormwater pollution prevention plan including the purchase and installation of secondary containment tanks for the salt brine. This will ensure a large spill of salt brine is unlikely to reach the environment.

The chloride level is still relatively low in the Hidden Cove Shop well and does not pose a threat to human health at this time and is not considered evidence of seawater intrusion. The city will continue to monitor the ground water quality annually and surface water quarterly (when discharging) and adaptively manage the situation as needed.

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5.0 RECOMMENDATIONS

5.1 Safe yield EWL

In accordance with guidance contained in the City of Bainbridge Island Groundwater Monitoring Program, Program Update – December 2008 (Aspect, 2009), the following Management Response actions to exceeding the safe yield EWL are recommended:

1. Undertake close monitoring and further examination of the relationships of production, water levels and CDP in Head of Bay wells 2, 3 and 5; Taylor Road Well; and Sands Road Wells 1 and 2 after completion of rehabilitation activities. Further assessment using a local groundwater numerical flow model may be appropriate.
2. Undertake close monitoring and further examination of the relationships of production, water levels and CDP in the Fletcher Bay production well and North Bainbridge Well 10. Further assessment using a local groundwater numerical flow model may be appropriate.
3. Acquire production data for additional private well systems to build as complete a record as possible of total groundwater withdrawals.

5.2 Chloride concentration EWL – Seabold area

In accordance with guidance contained in the City of Bainbridge Island Groundwater Monitoring Program, Program Update – December 2008 (Aspect, 2009), the following Management Response actions to exceeding the chloride concentration EWL are recommended:

1. Continue to survey chloride levels in wells completed within ¼ mile of the shoreline to investigate the areal extent of elevated chlorides in the Seabold area, especially near the Agate Pass bridge.
2. This survey should include investigation of elevated chloride concentrations in the Seabold and Agate Pass areas and confirmation of elevated chloride measurements from the Seabold Potential Seawater Intrusion Investigation (2018).

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7.0 TABLES

7.1 Table 1 Monitoring Network Details

Aliases			Location				Who Monitors	
Well ID	Local Number	DOE Tag	Latitude	Longitude	Surface Elevation (NAV88)	Aquifer	Chloride	Water Level
Bloedel Reserve Farm Well	26N/02E-33B01	AAC759	47.70472221	-122.5463889	165	Qva		KPUD
Casey Street Water System	25N/02E-23E03	AAC654	47.643094	-122.51247	167	Qva		COBI-Eng
Johnson Farm	25N/02E-28F		47.63204475	-122.5542631	154	Qva		COBI-Eng
North Bainbridge Well 08	25N/02E-11E01	AAC832	47.67342224	-122.5197528	351	Qva		KPUD
Onorato Water System	25N/02E-17Q01	AAC862	47.6519712	-122.57217	86	Qva	COBI-Eng	COBI-Eng
Private	24N/02E-04H01	AAA175	47.6002037	-122.5445919	68	Qva	COBI-Eng	COBI-Eng
Private	24N/02E-05K01		47.598642	-122.57162	101	Qva		COBI-Eng
Private	25N/02E-03G01		47.6865255	-122.5263	231	Qva		COBI-Eng
Private	25N/02E-04D01	AAA190	47.6887152	-122.56013	124	Qva		COBI-Eng
Private	25N/02E-10E		47.6744147	-122.5425	94	Qva	COBI-Eng	COBI-Eng

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Private	25N/02E-17G01		47.6591543	-122.57347	155	Qva		COBI-Eng
Private	25N/02E-20P2	AA192	47.6369374	-122.57509	213	Qva		COBI-Eng
Private	25N/02E-28N02		47.6230273	-122.56082	315	Qva		COBI-Eng
Private	25N/02E-35M03		47.6136761	-122.51997	172	Qva		COBI-Eng
Private	24N/02E-05K03		47.5981882	-122.57504	23	Qva	COBI-Eng	COBI-Eng
Tara Lane Community Well	24N/02E-05R01	AAC032	47.59527776	-122.565	132	Qva	COBI-Eng	COBI-Eng
Eagledale Park	25N/02E-34R05	AAC077	47.6093853	-122.5217	293	Qva		COBI-Eng
Ferncliff Water Assoc.	25N/02E-23K	AES133	47.64295231	-122.5092888	140	Qva	COBI-Eng	COBI-Eng
Hidden Cove Utilities Shop	25N/02E-04G03	ACR406	47.68722324	-122.5466662	130	Qva	COBI-O&M	COBI-Eng
North Bainbridge Well 01	25N/02E-09G06	AAC826	47.67305558	-122.5483334	125	Qva		KPUD
Private	25N/02E-23Q03	ACW003	47.6373367	-122.50643	154	Qva	COBI-Eng	COBI-Eng
Private	25N/02E-21B		47.6492626	-122.54839	314	Qva		COBI-Eng
Private	25N/02E-33B02		47.618819	-122.549247	167	Qva		COBI-Eng
Bainbridge Island Landfill	25N/02E-33C	ACK363	47.6206239	-122.55455	269	QA1		COBI-Eng
Bill Point Water Well 3	25N/02E-35J03	AAA238	47.61388736	-122.5027778	139	QA1		KPUD
Cedar Lane Water System	26N/02E-28J02	AAC659	47.7130591	-122.54722	147	QA1	COBI-Eng	
Fay Bainbridge Park	26N/02E-35G02		47.702141	-122.50893	86	QA1		COBI-Eng
Former KPUD Island Center TW	25N/02E-21G03	AAA110	47.64694444	-122.5483334	300	QA1		KPUD
Harbor Crest	25N/02E-	ACD357	47.62083333	-122.5305556	72	QA1	KPUD	KPUD

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	34C03							
Head of the Bay Well #1	25N/02E-27E21		47.62912223	-122.5420349	34	QA1	COBI-O&M	
Head of the Bay Well #1A	25N/02E-27E15	AAC860	47.62931472	-122.5419462	32	QA1	COBI-O&M	
Head of the Bay Well #2	25N/02E-27E16	AAC870	47.62910175	-122.5418904	30	QA1	COBI-O&M	COBI-O&M
Head of the Bay Well #3	25N/02E-27E17	AAC871	47.63032187	-122.5419878	47	QA1	COBI-O&M	COBI-O&M
Head of the Bay Well #4	25N/02E-27E18	AAC872	47.62898348	-122.5419656	29	QA1	COBI-O&M	
Head of the Bay Well #5	25N/02E-27E19	AAC873	47.62953631	-122.5419302	31	QA1	COBI-O&M	COBI-O&M
Head of the Bay Well #6	25N/02E-27E20	AAC874	47.63007014	-122.5419437	42	QA1	COBI-O&M	
Island Utilities MW	25N/02E-34F06	AAA108	47.61638891	-122.535	144	QA1		KPUD
Messenger House	25N/02E-14A03	AAC053	47.6619375	-122.50237	100	QA1	COBI-Eng	COBI-Eng
North Bainbridge Well 03	25N/02E-09H01	AEK853	47.6727778	-122.5463889	87	QA1	KPUD	KPUD
North Bainbridge Well 06	25N/02E-09K02	AAA113	47.67154446	-122.544175	91	QA1		KPUD
North Bainbridge Well 07	25N/02E-09G07	AEK852	47.6725	-122.5480556	125	QA1	KPUD	KPUD
Private	24N/02E-3D02	AHB490	47.60568831	-122.5431455	153	QA1	COBI-Eng	COBI-Eng
Private	25N/02E-20L07	AHB475	47.642306	-122.57493	61	QA1	COBI-Eng	COBI-Eng
Private	25N/02E-4M02	AEK791	47.6849785	-122.56143	100	QA1	COBI-Eng	COBI-Eng
Private	25N/02E-08G03	AEK777	47.6740726	-122.57134	76	QA1	COBI-Eng	COBI-Eng
Private	25N/02E-	ABP813	47.647079	-122.57978	114	QA1	COBI-Eng	COBI-Eng

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	20D							
Private	25N/02E-09L	AAA537	47.67871727	-122.5556762	65	QA1		COBI-Eng
Private	25N/02E-22C01	AAA351	47.6502164	-122.53608	159	QA1	COBI-Eng	COBI-Eng
Private	26N/02E-28G01	AAA188	47.7190713	-122.54998	122	QA1	COBI-Eng	COBI-Eng
Private	24N/02E-05K02		47.5981715	-122.57172	112	QA1		COBI-Eng
Private	25N/02E-04B01		47.6910036	-122.54969	83	QA1	COBI-Eng	COBI-Eng
Private	25N/02E-09D01		47.6775891	-122.56128	29	QA1		COBI-Eng
Private	25N/02E-17D		47.6620085	-122.58093	120	QA1	COBI-Eng	COBI-Eng
Private	25N/02E-21P03		47.6364798	-122.5584	70	QA1	COBI-Eng	COBI-Eng
Private	25N/02E-23G		47.6458618	-122.50976	100	QA1	COBI-Eng	
Private	25N/02E-29C		47.6325565	-122.57492	281	QA1		COBI-Eng
Private	25N/02E-32C01		47.6199253	-122.57631	50	QA1	COBI-Eng	
Private	25N/02E-33F01		47.61573172	-122.5547039	304	QA1		COBI-Eng
Private	25N/02E-34J		47.6135695	-122.52319	212	QA1	COBI-Eng	COBI-Eng
Private	26N/02E-34R01		47.6954386	-122.52589	101	QA1	COBI-Eng	COBI-Eng
Seabold Water	26N/02E-33E02	ACW018	47.7020129	-122.56141	118	QA1		COBI-Eng
South Bainbridge WS Well 10	24N/02E-04A	BKY822	47.606528	-122.544469	132	QA1		KPUD
South Bainbridge WS Well 7	24N/02E-04A02	ACK364	47.604519	-122.544978	88	QA1	KPUD	KPUD
South Bainbridge WS Well 8	24N/02E-04A09	ACW030	47.604461	-122.545564	68	QA1	KPUD	KPUD
South Bainbridge WS Well 9	24N/02E-04A10	APP319	47.604033	-122.545111	71	QA1		KPUD

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West Port Madison Water	26N/02E-34E04	AAC800	47.7032265	-122.53834	67	QA1	COBI-Eng	
Wing Point COBI	25N/02E-26B01		47.62926389	122.5013139	128	QA1		COBI-Eng
Battle Point Park	25N/02E-08P02	AAC558	47.66583333	-122.5775	130	QA2		KPUD
EPA/Wyckoff	25N/02E-35H	AFR832	47.61554031	-122.5036165	15	QA2	COBI-Eng	COBI-Eng
Private	25N/02E-29P01	AKR163	47.6220935	-122.57724	65	QA2	COBI-Eng	COBI-Eng
Private	26N/02E-28B03	ACW040	47.7190839	-122.54762	95	QA2	COBI-Eng	COBI-Eng
Private	25N/02E-34H02	AAA432	47.616973	-122.52489	54	QA2	COBI-Eng	
Taylor Road Well	25N/02E-35G03	AAC879	47.61527778	-122.5088889	15	QA2	COBI-O&M	COBI-O&M
Bloedel Reserve Deep Well	26N/02E-33B03	AAC606	47.70472222	-122.5477778	180	QA3		KPUD
Fletcher Bay Observation Well	25N/02E-20K03	AAA111	47.64055555	-122.5741667	80	QA3		KPUD
Fletcher Bay PW	25N/02E-20K04	AAC733	47.64068333	-122.5744056	85	QA3	COBI-O&M	COBI-O&M
Island Utilities Well 1	25N/02E-34F07	AAA109	47.61638891	-122.535	144	QA3		KPUD
Island Utilities Well 2	25N/02E-34F12	AAC113	47.61638889	-122.535	144	QA3	KPUD	KPUD
Island Utilities Well 3	25N/02E-34F04	AAS286	47.617133	-122.5357	144	QA3		KPUD
Meigs Farm	25N/02E-15J02	AAA112	47.6565492	-122.52415	49	QA3		KPUD
North Bainbridge Well 09	25N/02E-09G04	AAB455	47.67305558	-122.5483334	125	QA3	KPUD	KPUD
North Bainbridge Well 10	25N/02E-11E	AAC110	47.67333333	-122.5197222	351	QA3		KPUD
Sands Road 1	25N/02E-21J06	AAC875	47.64043056	-122.5418639	165	QA3	COBI-O&M	COBI-O&M

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Sands Road 2	25N/02E-21J07	AAC876	47.64	-122.5427778	170	QA3	COBI-O&M	COBI-O&M
Seabold, Chloride	26N/02E-33E03	ALA779	47.70202778	-122.5613889	115	QA3	COBI-Eng	
Private	25N/02E-05A	BCS264	47.691772	-122.565145	80	QA1	COBI-Eng	
Private	24N/02E-11G02	AAA176	47.5858598	-122.50683	264	BR		COBI-Eng

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7.2 Table 2 Water Level Trends

Well ID*	Local Number	DOE Tag	Latitude	Longitude	Aquifer	Water Level Trend, Feet per year
Head of the Bay Well #5	25N/02E-27E19	AAC873	47.62953631	-122.5419302	QA1	**-1.6**
Taylor Road Well	25N/02E-35G03	AAC879	47.61527778	-122.5088889	QA2	**-1.3**
Fletcher Bay Observation Well	25N/02E-20K03	AAA111	47.64055555	-122.5741667	QA3	**-1.2**
Sands Road 2	25N/02E-21J07	AAC876	47.64	-122.5427778	QA3	**-1.2**
Head of the Bay Well #2	25N/02E-27E16	AAC870	47.62910175	-122.5418904	QA1	**-1.0**
Wing Point COBI	25N/02E-26B01		47.62926389	-122.5013139	QA1	**-1.0**
Head of the Bay Well #3	25N/02E-27E17	AAC871	47.63032187	-122.5419878	QA1	**-0.8**
Private	24N/02E-11G02	AAA176	47.5858598	-122.50683	BR	**-0.8**

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Fletcher Bay PW	25N/02E-20K04	AAC733	47.64068333	-122.5744056	QA3	**-0.7**
Private	24N/02E-3D02	AHB490	47.60568831	-122.5431455	QA1	**-0.6**
North Bainbridge Well 10	25N/02E-11E	AAC110	47.67333333	-122.5197222	QA3	**-0.5**
Private	25N/02E-21P03		47.6364798	-122.5584	QA1	-0.4
Private	25N/02E-23Q03	ACW003	47.6373367	-122.50643	Qva	-0.3
Meigs Farm	25N/02E-15J02	AAA112	47.6565492	-122.52415	QA3	-0.3
Bainbridge Island Landfill	25N/02E-33C	ACK363	47.6206239	-122.55455	QA1	-0.3
North Bainbridge Well 06	25N/02E-09K02	AAA113	47.67154446	-122.544175	QA1	-0.3
Island Utilities MW	25N/02E-34F06	AAA108	47.61638891	-122.535	QA1	-0.2
Casey Street Water System	25N/02E-23E03	AAC654	47.643094	-122.51247	Qva	-0.2
Private	25N/02E-08G03	AEK777	47.6740726	-122.57134	QA1	-0.2
Private	25N/02E-4M02	AEK791	47.6849785	-122.56143	QA1	-0.2
Private	25N/02E-09D01		47.6775891	-122.56128	QA1	-0.2

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Sands Road 1	25N/02E-21J06	AAC875	47.64043056	-122.5418639	QA3	-0.2
Private	25N/02E-35M03		47.6136761	-122.51997	Qva	-0.2
Onorato Water System	25N/02E-17Q01	AAC862	47.6519712	-122.57217	Qva	-0.2
Hidden Cove Utilities Shop	25N/02E-04G03	ACR406	47.68722324	-122.5466662	Qva	-0.2
North Bainbridge Well 01	25N/02E-09G06	AAC826	47.67305558	-122.5483334	Qva	-0.2
Battle Point Park	25N/02E-08P02	AAC558	47.66583333	-122.5775	QA2	-0.2
North Bainbridge Well 08	25N/02E-11E01	AAC832	47.67342224	-122.5197528	Qva	-0.2
Private	26N/02E-34R01		47.6954386	-122.52589	QA1	-0.2
Private	25N/02E-29P01	AKR163	47.6220935	-122.57724	QA2	-0.1
Ferncliff Water Assoc.	25N/02E-23K	AES133	47.64295231	-122.5092888	Qva	-0.1
Private	25N/02E-28N02		47.6230273	-122.56082	Qva	-0.1
Private	25N/02E-10E		47.6744147	-122.5425	Qva	-0.1
Private	25N/02E-04D01	AAA190	47.6887152	-122.56013	Qva	-0.1
Bloedel Reserve	26N/02E-	AAC759	47.70472221	-122.5463889	Qva	-0.1

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Farm Well	33B01					
Bill Point Water Well 3	25N/02E-35J03	AAA238	47.61388736	-122.5027778	QA1	-0.1
North Bainbridge Well 09	25N/02E-09G04	AAB455	47.67305558	-122.5483334	QA3	-0.1
North Bainbridge Well 07	25N/02E-09G07	AEK852	47.6725	-122.5480556	QA1	-0.1
Harbor Crest	25N/02E-34C03	ACD357	47.62083333	-122.5305556	QA1	-0.1
Private	24N/02E-05K03		47.5981882	-122.57504	Qva	-0.1
Private	25N/02E-17G01		47.6591543	-122.57347	Qva	-0.1
Private	25N/02E-04B01		47.6910036	-122.54969	QA1	-0.1
Private	24N/02E-05K01		47.598642	-122.57162	Qva	-0.1
Private	24N/02E-04H01	AAA175	47.6002037	-122.5445919	Qva	-0.1
Private	25N/02E-20P2	AA192	47.6369374	-122.57509	Qva	-0.1
Private	25N/02E-09L	AAA537	47.67871727	-122.5556762	QA1	-0.1
Private	25N/02E-03G01		47.6865255	-122.5263	Qva	0.0
Private	26N/02E-28B03	ACW040	47.7190839	-122.54762	QA2	0.0

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Private	25N/02E-20L07	AHB475	47.642306	-122.57493	QA1	0.0
Private	25N/02E-20D	ABP813	47.647079	-122.57978	QA1	0.0
Fay Bainbridge Park	26N/02E-35G02		47.702141	-122.50893	QA1	0.0
Johnson Farm	25N/02E-28F		47.63204475	-122.5542631	Qva	0.0
Private	25N/02E-21B		47.6492626	-122.54839	Qva	0.0
Private	25N/02E-17D		47.6620085	-122.58093	QA1	0.0
Seabold Water	26N/02E-33E02	ACW018	47.7020129	-122.56141	QA1	0.0
Tara Lane Community Well	24N/02E-05R01	AAC032	47.59527776	-122.565	Qva	0.0
Private	24N/02E-05K02		47.5981715	-122.57172	QA1	0.0
Messenger House	25N/02E-14A03	AAC053	47.6619375	-122.50237	QA1	0.1
Former KPUD Island Center TW	25N/02E-21G03	AAA110	47.64694444	-122.5483334	QA1	0.1
Private	25N/02E-22C01	AAA351	47.6502164	-122.53608	QA1	0.1
Private	25N/02E-29C		47.6325565	-122.57492	QA1	0.1
Private	25N/02E-33B02		47.618819	-122.549247	Qva	0.1

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Bloedel Reserve Deep Well	26N/02E-33B03	AAC606	47.70472222	-122.5477778	QA3	0.2
Private	25N/02E-34J		47.6135695	-122.52319	QA1	0.2
North Bainbridge Well 03	25N/02E-09H01	AEK853	47.6727778	-122.5463889	QA1	0.3
Private	25N/02E-33F01		47.61573172	-122.5547039	QA1	0.4
Eagledale Park	25N/02E-34R05	AAC077	47.6093853	-122.5217	Qva	0.5

* Wells with 8 or more years of data and actively monitored

Bold indicates Early Warning Level trigger

Sorted by Water Level Trend, smallest first

Blank DOE tags are not available

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7.3 Table 3 Safe Yield EWL Well Summary

Aquifer	Well ID	Water Level Trend (2012 – 2022)	Comment
Sea Level Aquifer	Head of Bay well 5	-1.6 ft/yr	Within a wellfield and likely influenced by nearby production wells, flowing artesian measured by pressure at the wellhead
	Head of Bay well 2	-1.0 ft/yr	Within a wellfield and likely influenced by nearby production wells, flowing artesian measured by pressure at the wellhead
	Wing Point COBI	-1.0 ft/yr	Likely influenced by nearby production (irrigation) well
	Head of Bay well 3	-0.8 ft/yr	Within a wellfield and likely influenced by nearby production wells, flowing artesian measured by pressure at the wellhead
	Private well (24N/02E-3D02)	-0.6 ft/yr	Likely influenced by nearby production wellfield
Glaciomarine Aquifer	Taylor Road well	-1.3 ft/yr	Likely due to well specific issues. Scheduled for rehabilitation in Fall 2022
Fletcher Bay Aquifer	Fletcher Bay observation well	-1.2 ft/yr	Likely influenced by nearby production well
	Sands Road 2	-1.2 ft/yr	Likely influenced by well specific issues. Scheduled for rehabilitation in 2023
	Fletcher Bay production well	-0.7 ft/yr	Static water level based on daily maximum reading, full recovery is most likely not occurring
	North Bainbridge Well 10	-0.5 ft/yr	Static water level based on daily maximum reading, full recovery is most likely not occurring
Bedrock Aquifer	Private - 24N/02E-11G02	-0.8 ft/yr	Only one bedrock well, so inferences to area beyond the immediate well location cannot be made

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Appendix A: Well Hydrographs

As this is an assessment of data against the EWLs and not an in-depth hydrogeolgical assessment of historical water level, quality and production, the hydrographs presented here span only the current ten-year period of assessment (2012 - 2021).

Water level data were plotted as monthly averages, and water level trend calculations were based on an ordinary least squares fit to monthly averages of all static water level data.

It is important to note that reviewing data sets over a constrained period of time such as the ten-year period specified in the safe yield EWL can be useful, but it has some limitations. One significant limitation is that it isolates the current ten-year period from the longer, historical record, where such exists. The historical record could reveal that the current increasing or declining trend may be part of a natural, long-term fluctuation in water level and not the result of exceeding safe yield. It is important to consider the long-term record of all water levels, where such exists, when conducting follow up investigation.

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Appendix B: Aquifer Hydrographs

To show longer term trends in water level and compare water levels in the same aquifer, hydrographs were included showing the 13-year period of record (2009 - 2021). These figures constitute the complete dataset of the City's Groundwater Monitoring Program, it does not include previous data collected by the USGS.

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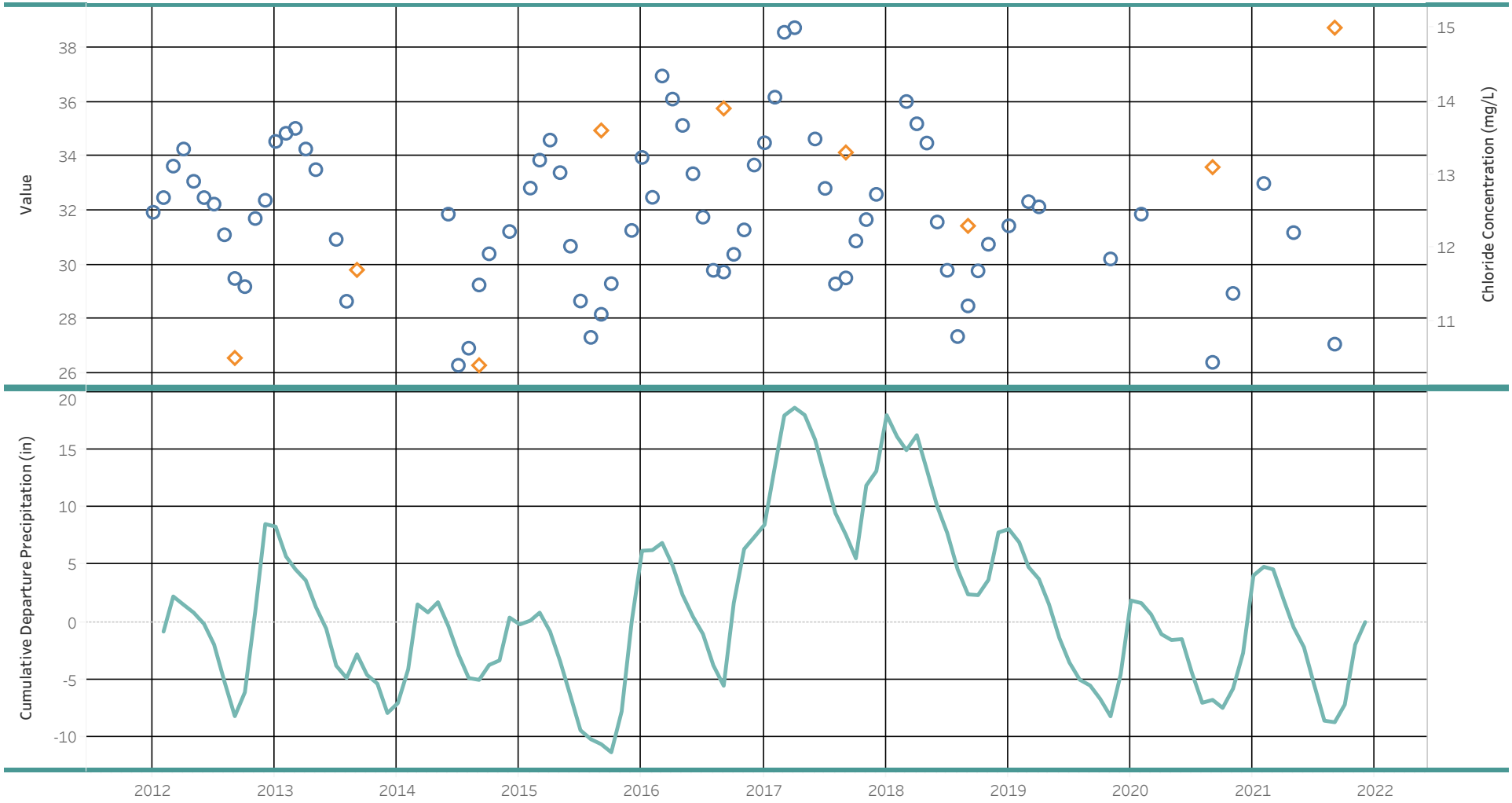
Well Summary - 25N/02E-4M02 (SLA Aquifer)

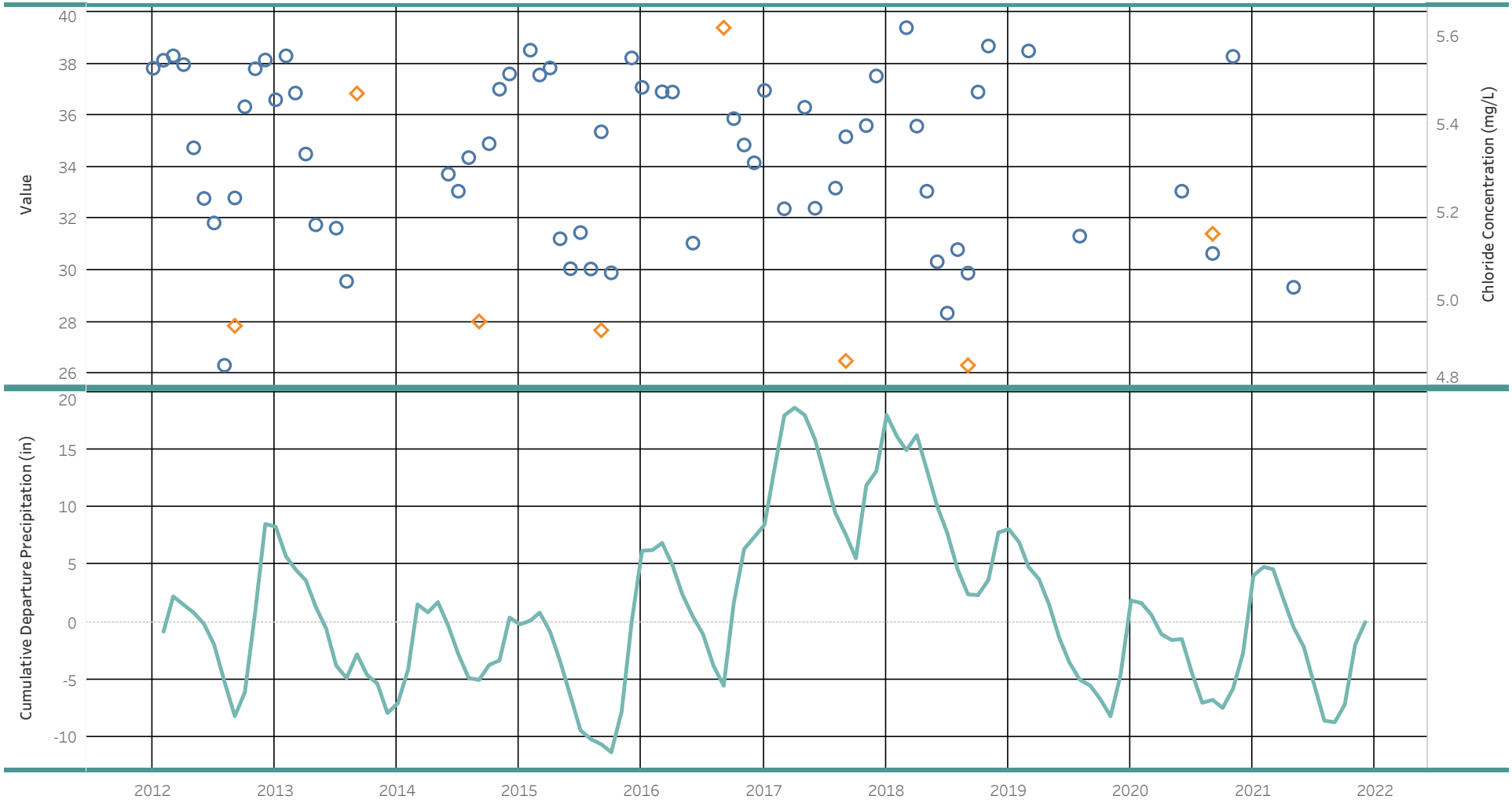


This chart displays a summary of water level data presented as a monthly average.
Static water level data for 25N/02E-4M02 spans 10 years, which included a maximum data collection gap (in months) of: 10.2. Estimated static water level trend is -0.15 (ft/year).
Water level trend calculations are based on an ordinary least squares (OLS) fit to the monthly average of all static water level data.
Cumulative Departure Precipitation (CDP) represents the running total of monthly differences from the average over the period. Downward trending sections typically indicate drier periods with lowered recharge, while upward trending segments indicate wetter than average periods with greater recharge.

Water Level Measurement Status
○ Static Water Level

Chloride Results
◇ Chloride Concentration

Well Summary - 25N/02E-08G03 (SLA Aquifer)

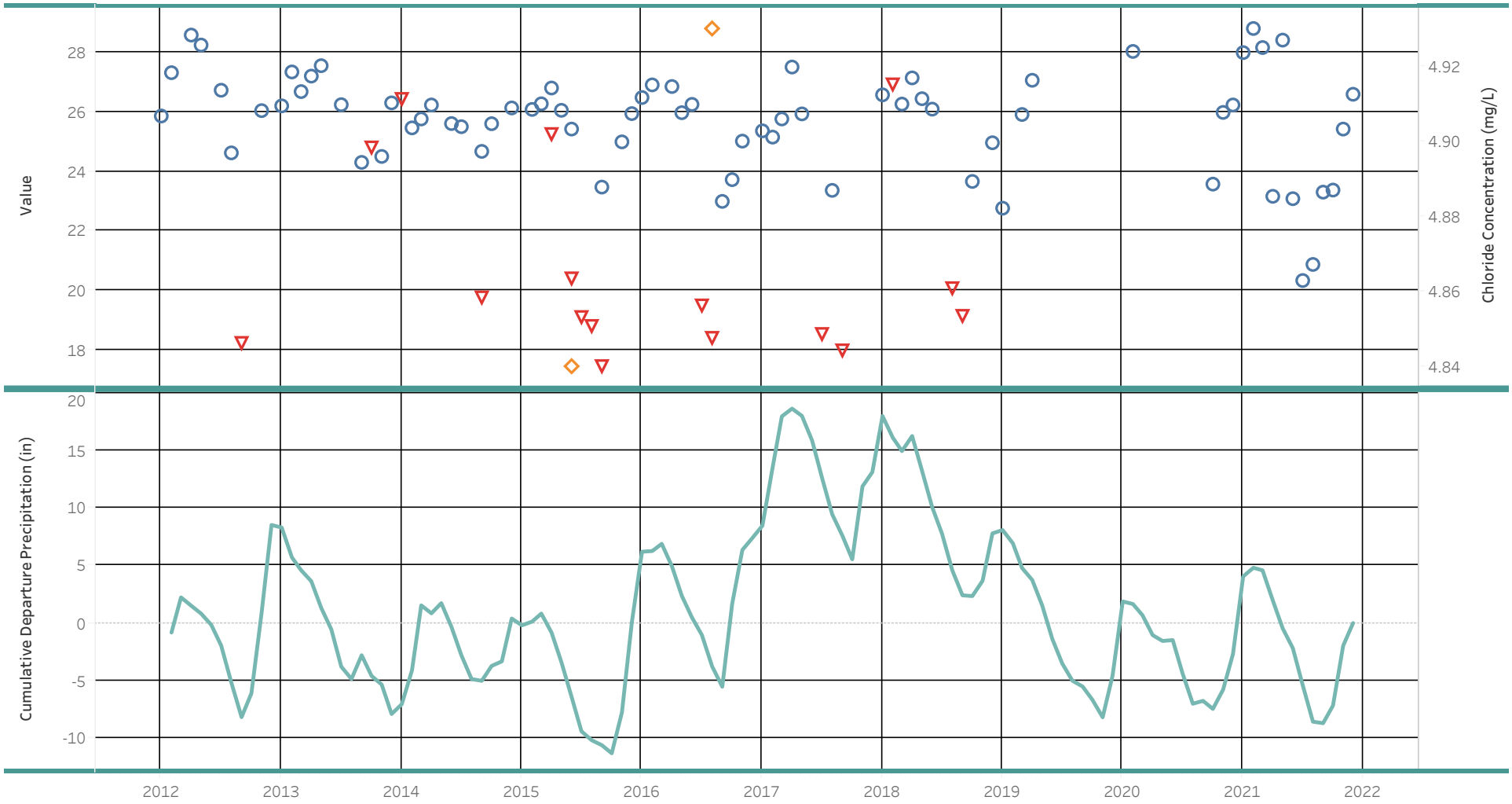


This chart displays a summary of water level data presented as a monthly average.
Static water level data for 25N/02E-08G03 spans 9 years, which included a maximum data collection gap (in months) of: 10.4. Estimated static water level trend is -0.19 (ft/year).
Water level trend calculations are based on an ordinary least squares (OLS) fit to the monthly average of all static water level data.
Cumulative Departure Precipitation (CDP) represents the running total of monthly differences from the average over the period. Downward trending sections typically indicate drier periods with lowered recharge, while upward trending segments indicate wetter than average periods with greater recharge.

Water Level Measurement Status
○ Static Water Level

Chloride Results
◇ Chloride Concentration

Well Summary - 25N/02E-08P02 (GMA Aquifer)

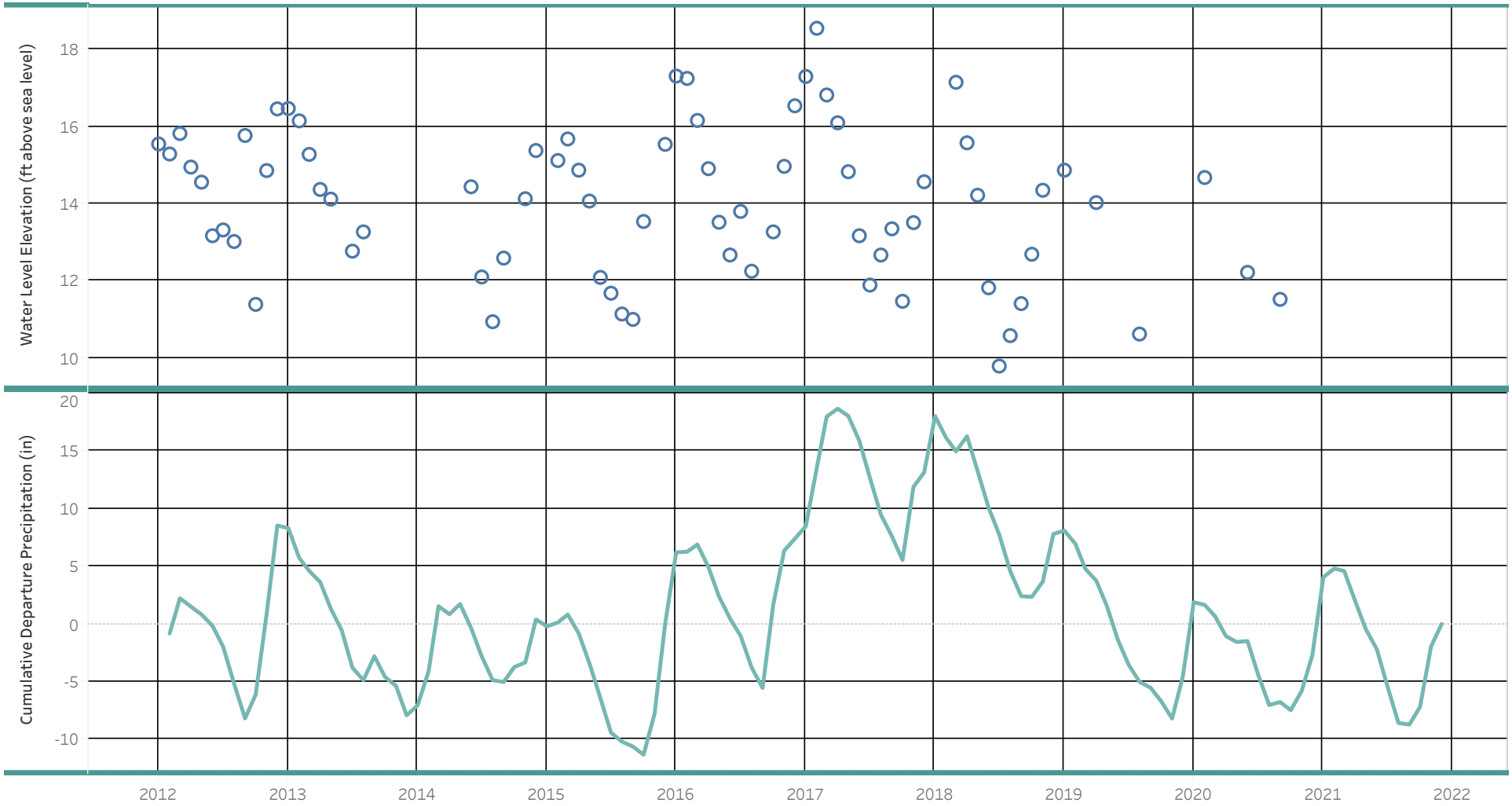


This chart displays a summary of water level data presented as a monthly average.
Static water level data for 25N/02E-08P02 spans 10 years, which included a maximum data collection gap (in months) of: 10.5. Estimated static water level trend is -0.15 (ft/year).
Water level trend calculations are based on an ordinary least squares (OLS) fit to the monthly average of all static water level data.
Cumulative Departure Precipitation (CDP) represents the running total of monthly differences from the average over the period. Downward trending sections typically indicate drier periods with lowered recharge, while upward trending segments indicate wetter than average periods with greater recharge.

Water Level Measurement Status
- ○ Static Water Level
- ▽ Water level influenced by pumping

Chloride Results
- ◇ Chloride Concentration

Well Summary - 25N/02E-09D01 (SLA Aquifer)

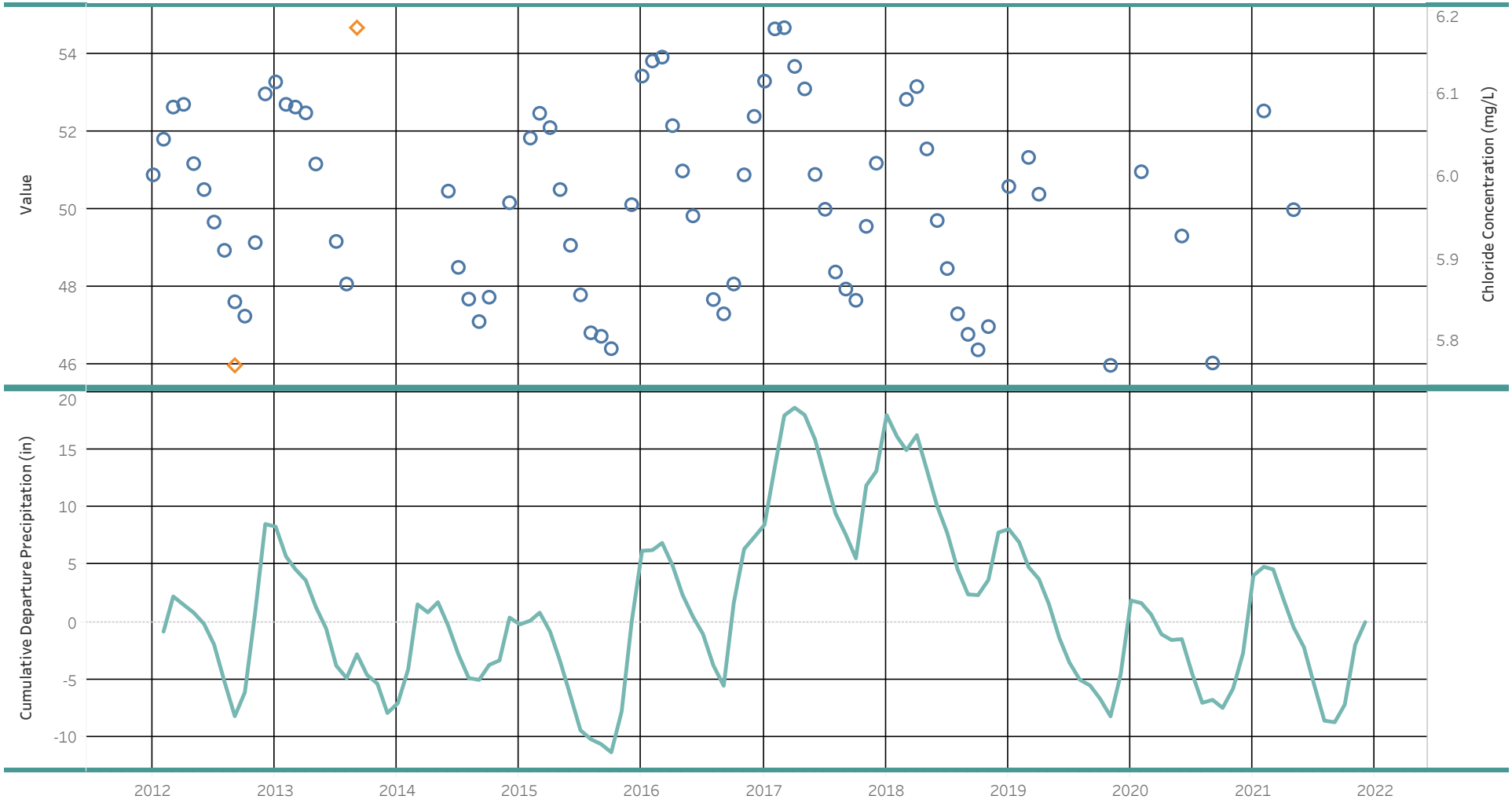


This chart displays a summary of water level data presented as a monthly average.
Static water level data for 25N/02E-09D01 spans 9 years, which included a maximum data collection gap (in months) of: 10.3. Estimated static water level trend is -0.18 (ft/year).
Water level trend calculations are based on an ordinary least squares (OLS) fit to the monthly average of all static water level data.
Cumulative Departure Precipitation (CDP) represents the running total of monthly differences from the average over the period. Downward trending sections typically indicate drier periods with lowered recharge, while upward trending segments indicate wetter than average periods with greater recharge.

Water Level Measurement Status

○ Static Water Level

Well Summary - 25N/02E-09L (SLA Aquifer)

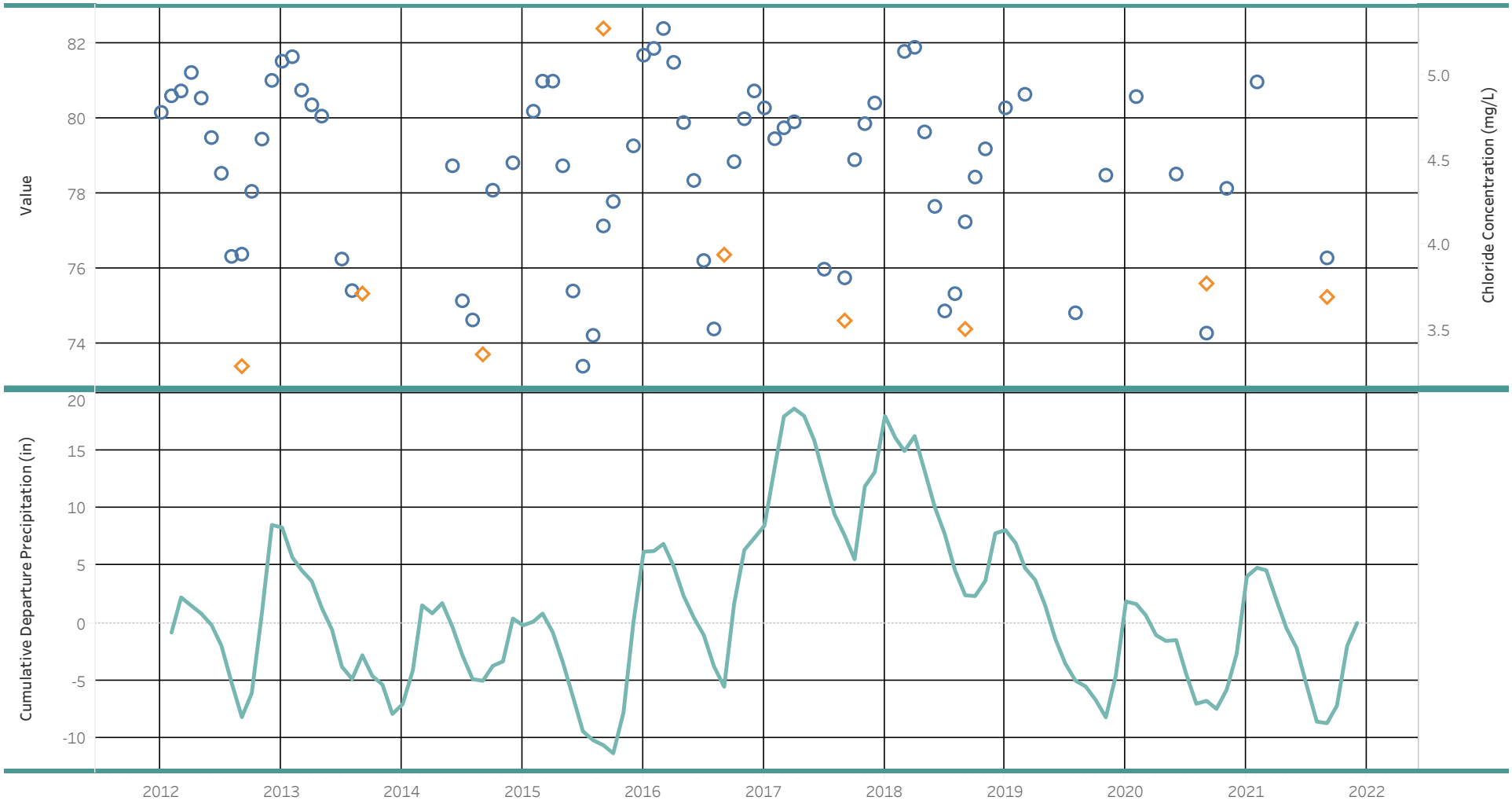


This chart displays a summary of water level data presented as a monthly average.
Static water level data for 25N/02E-09L spans 9 years, which included a maximum data collection gap (in months) of: 10.2. Estimated static water level trend is -0.13 (ft/year).
Water level trend calculations are based on an ordinary least squares (OLS) fit to the monthly average of all static water level data.
Cumulative Departure Precipitation (CDP) represents the running total of monthly differences from the average over the period. Downward trending sections typically indicate drier periods with lowered recharge, while upward trending segments indicate wetter than average periods with greater recharge.

Water Level Measurement Status
○ Static Water Level

Chloride Results
◇ Chloride Concentration

Well Summary - 25N/02E-10E (PA Aquifer)

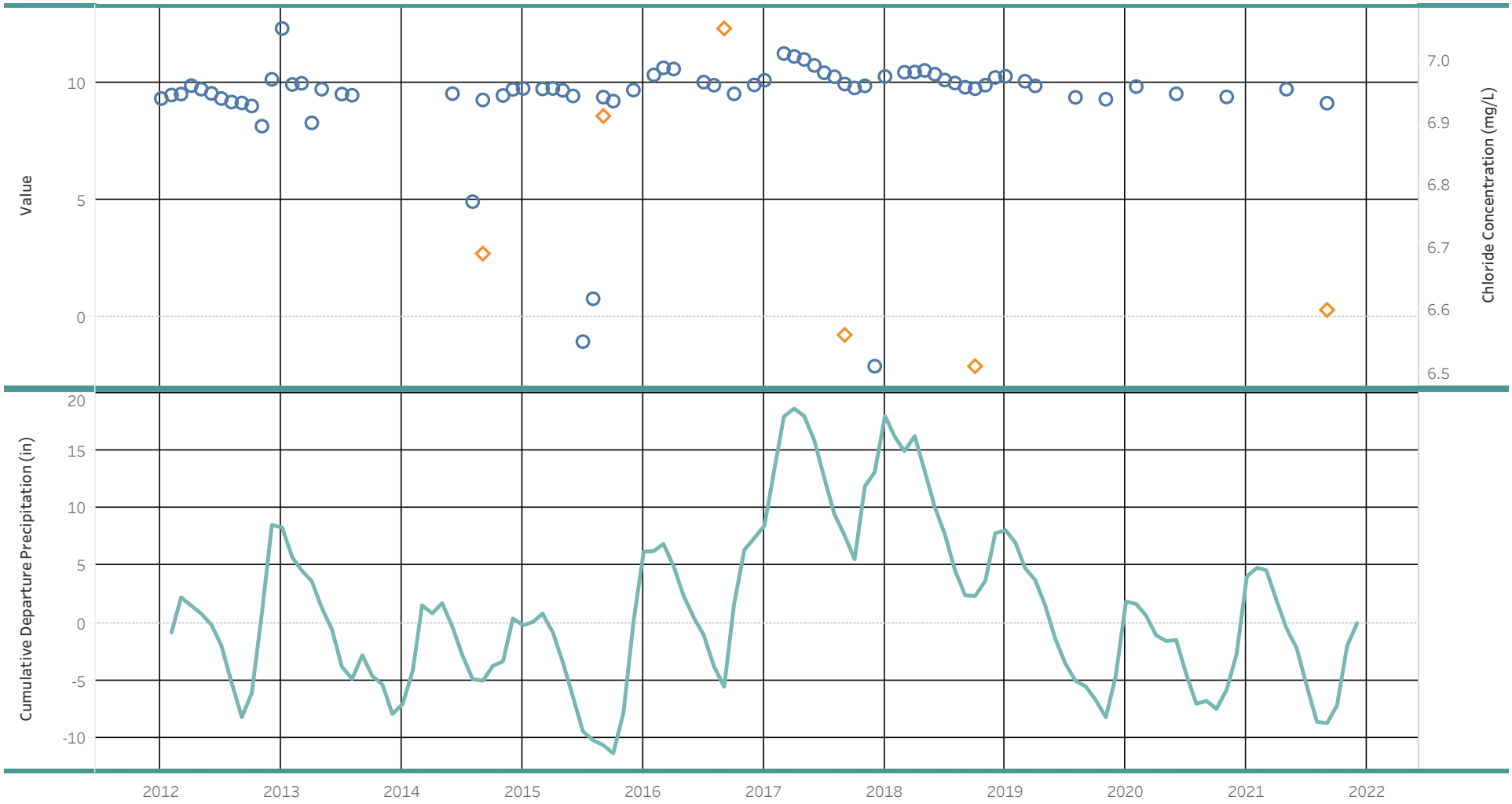


This chart displays a summary of water level data presented as a monthly average.
Static water level data for 25N/02E-10E spans 10 years, which included a maximum data collection gap (in months) of: 10.3. Estimated static water level trend is -0.13 (ft/year).
Water level trend calculations are based on an ordinary least squares (OLS) fit to the monthly average of all static water level data.
Cumulative Departure Precipitation (CDP) represents the running total of monthly differences from the average over the period. Downward trending sections typically indicate drier periods with lowered recharge, while upward trending segments indicate wetter than average periods with greater recharge.

Water Level Measurement Status
○ Static Water Level

Chloride Results
◇ Chloride Concentration

Well Summary - 25N/02E-14A03 (SLA Aquifer)

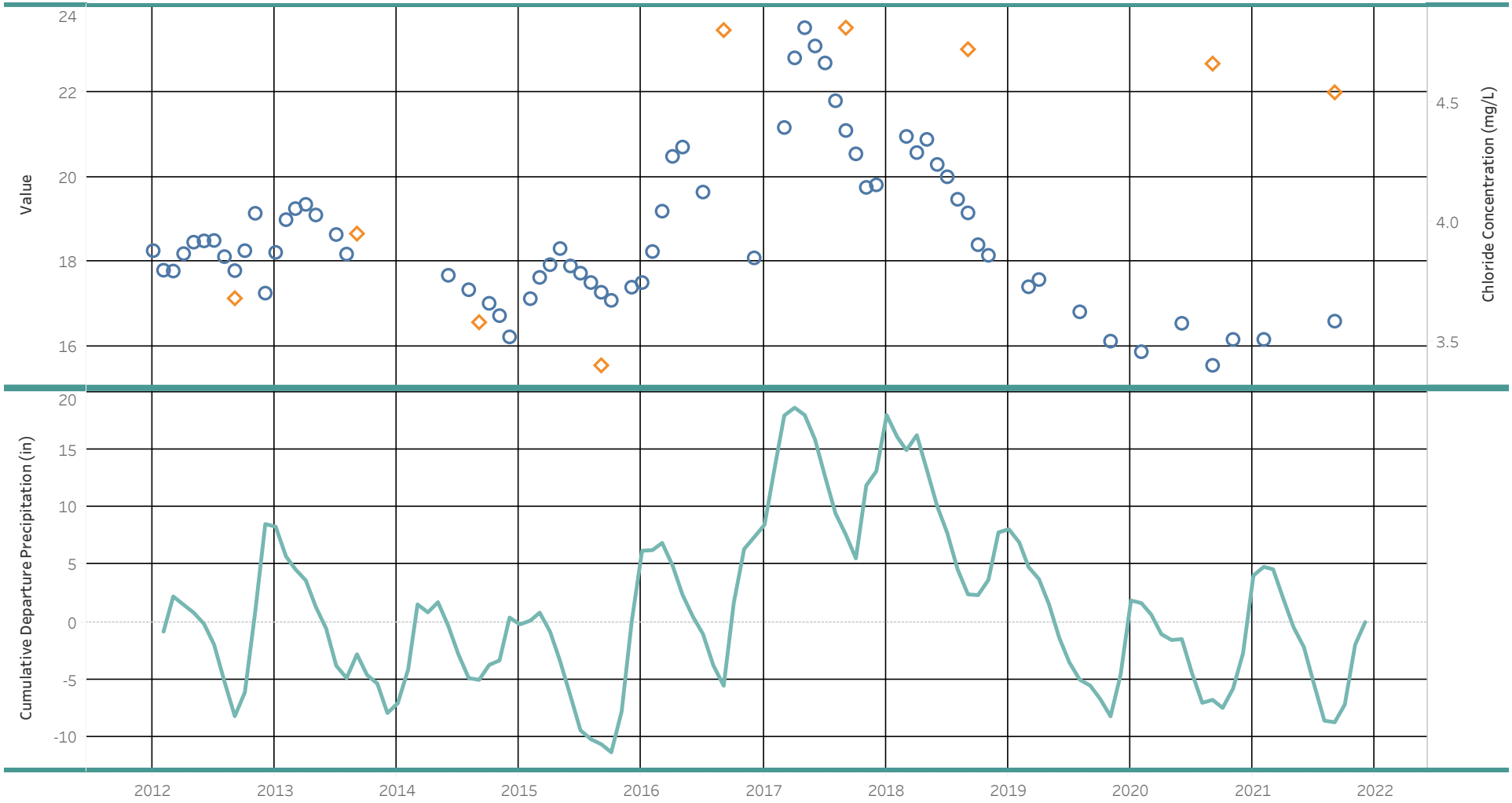


This chart displays a summary of water level data presented as a monthly average.
Static water level data for 25N/02E-14A03 spans 10 years, which included a maximum data collection gap (in months) of: 10.3. Estimated static water level trend is 0.06 (ft/year).
Water level trend calculations are based on an ordinary least squares (OLS) fit to the monthly average of all static water level data.
Cumulative Departure Precipitation (CDP) represents the running total of monthly differences from the average over the period. Downward trending sections typically indicate drier periods with lowered recharge, while upward trending segments indicate wetter than average periods with greater recharge.

Water Level Measurement Status
○ Static Water Level

Chloride Results
◇ Chloride Concentration

Well Summary - 25N/02E-17D (SLA Aquifer)

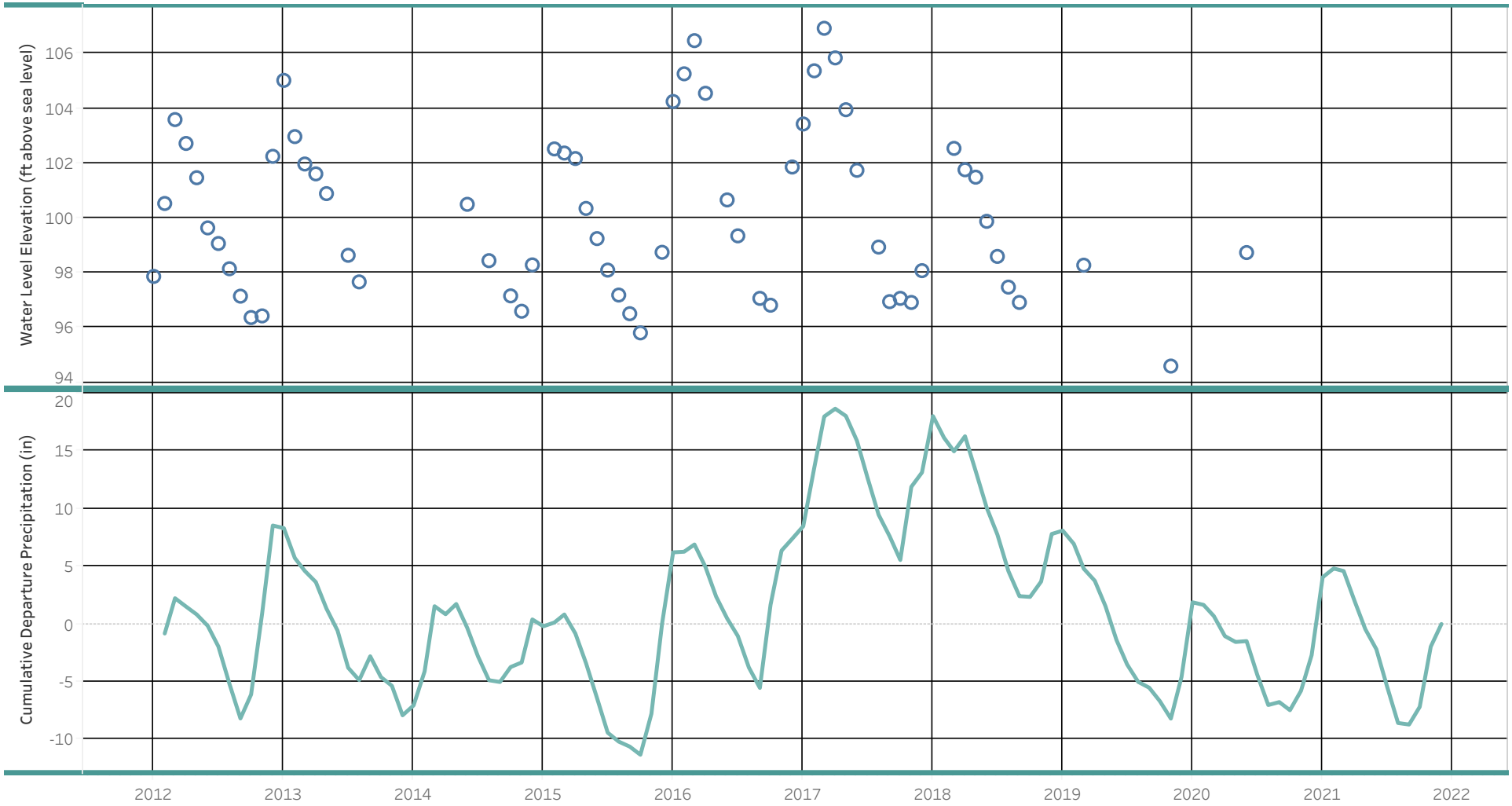


This chart displays a summary of water level data presented as a monthly average.
Static water level data for 25N/02E-17D spans 10 years, which included a maximum data collection gap (in months) of: 10.4. Estimated static water level trend is 0.01 (ft/year).
Water level trend calculations are based on an ordinary least squares (OLS) fit to the monthly average of all static water level data.
Cumulative Departure Precipitation (CDP) represents the running total of monthly differences from the average over the period. Downward trending sections typically indicate drier periods with lowered recharge, while upward trending segments indicate wetter than average periods with greater recharge.

Water Level Measurement Status
○ Static Water Level

Chloride Results
◇ Chloride Concentration

Well Summary - 25N/02E-17G01 (PA Aquifer)

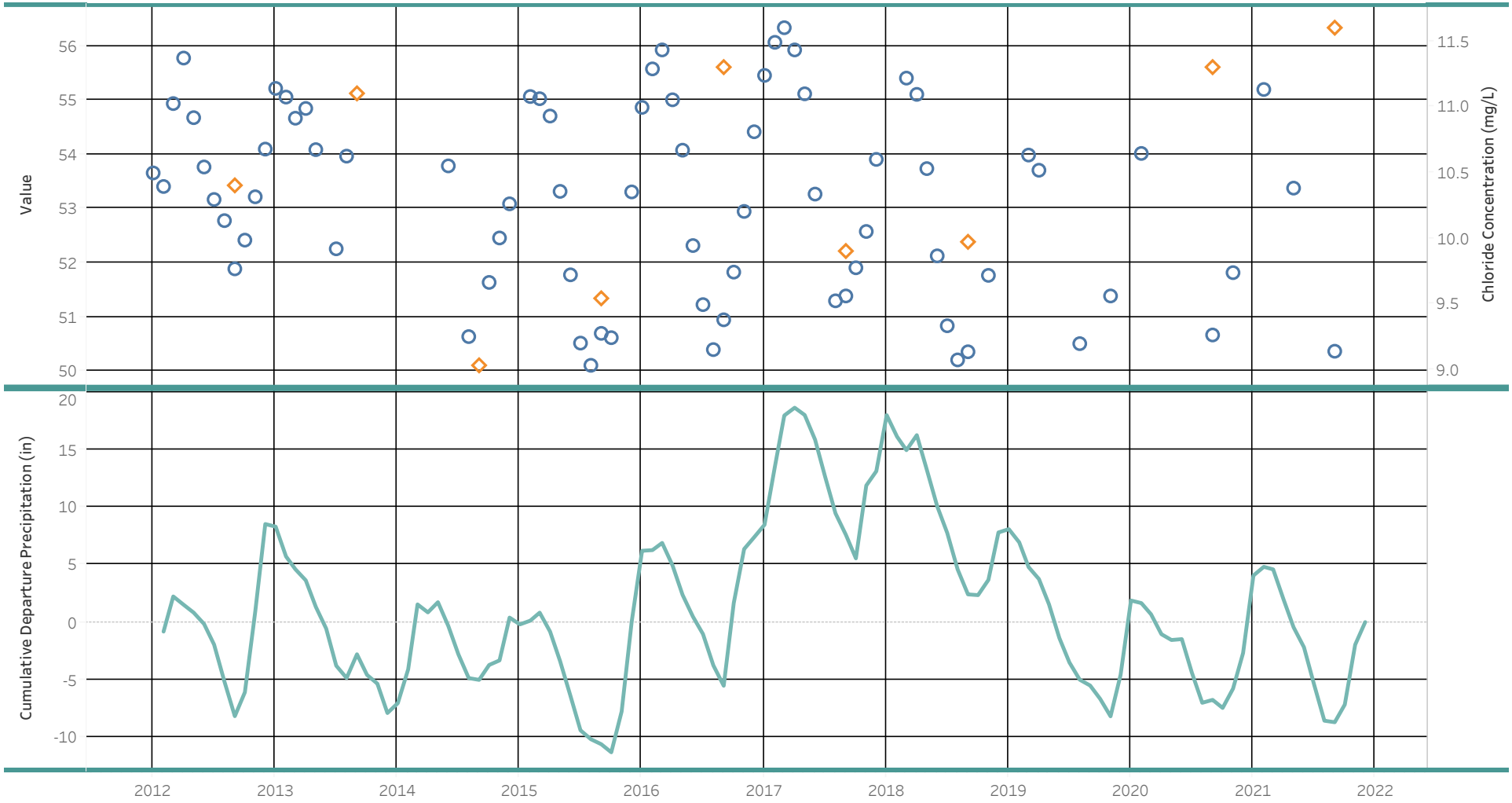


This chart displays a summary of water level data presented as a monthly average.
Static water level data for 25N/02E-17G01 spans 8 years, which included a maximum data collection gap (in months) of: 10.4. Estimated static water level trend is -0.08 (ft/year).
Water level trend calculations are based on an ordinary least squares (OLS) fit to the monthly average of all static water level data.
Cumulative Departure Precipitation (CDP) represents the running total of monthly differences from the average over the period. Downward trending sections typically indicate drier periods with lowered recharge, while upward trending segments indicate wetter than average periods with greater recharge.

Water Level Measurement Status

○ Static Water Level

Well Summary - 25N/02E-17Q01 (PA Aquifer)

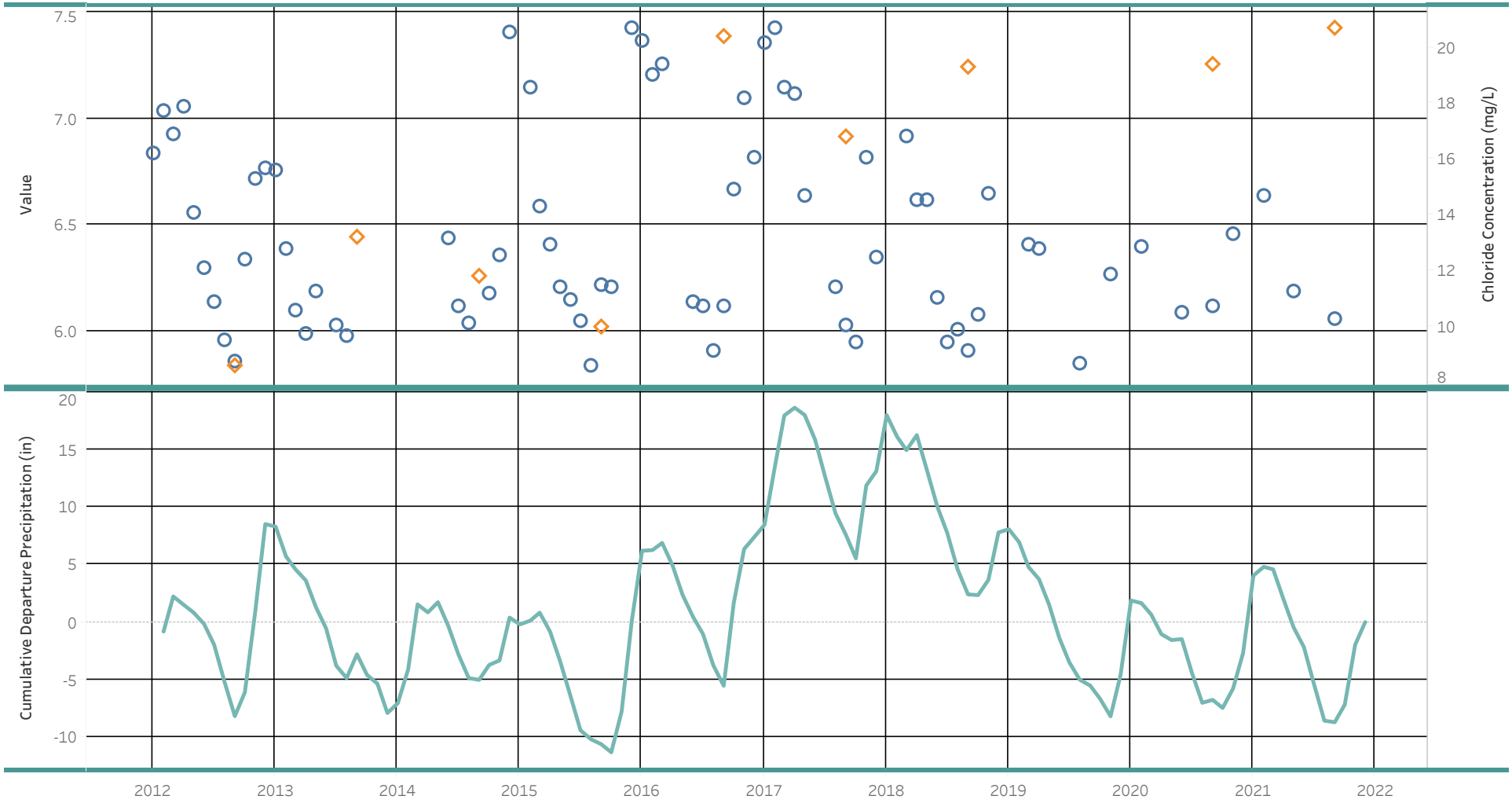


This chart displays a summary of water level data presented as a monthly average.
Static water level data for 25N/02E-17Q01 spans 10 years, which included a maximum data collection gap (in months) of: 10.3. Estimated static water level trend is -0.17 (ft/year).
Water level trend calculations are based on an ordinary least squares (OLS) fit to the monthly average of all static water level data.
Cumulative Departure Precipitation (CDP) represents the running total of monthly differences from the average over the period. Downward trending sections typically indicate drier periods with lowered recharge, while upward trending segments indicate wetter than average periods with greater recharge.

Water Level Measurement Status
○ Static Water Level

Chloride Results
◇ Chloride Concentration

Well Summary - 25N/02E-20D (SLA Aquifer)

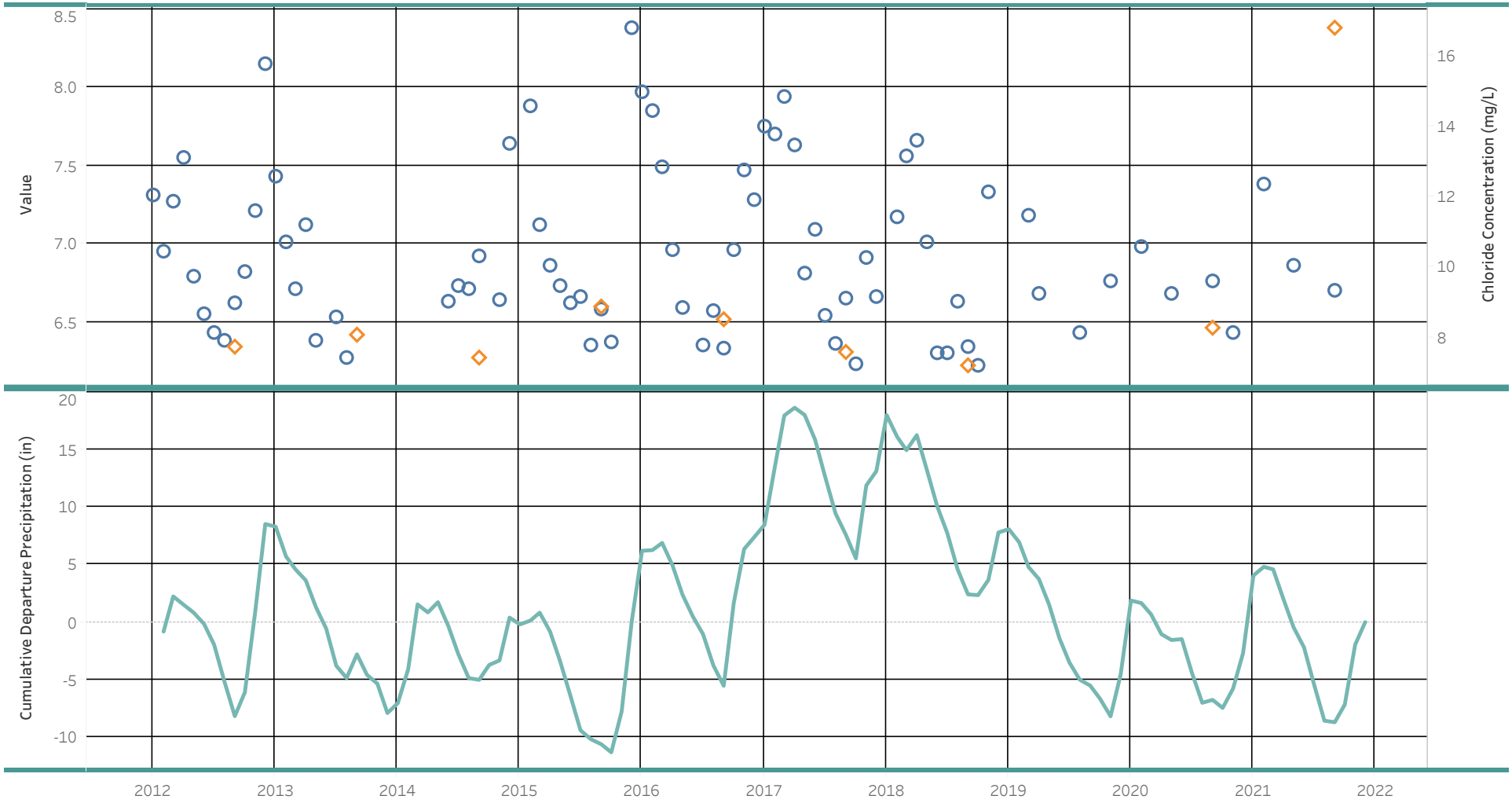


This chart displays a summary of water level data presented as a monthly average.
Static water level data for 25N/02E-20D spans 10 years, which included a maximum data collection gap (in months) of: 10.2. Estimated static water level trend is -0.02 (ft/year).
Water level trend calculations are based on an ordinary least squares (OLS) fit to the monthly average of all static water level data.
Cumulative Departure Precipitation (CDP) represents the running total of monthly differences from the average over the period. Downward trending sections typically indicate drier periods with lowered recharge, while upward trending segments indicate wetter than average periods with greater recharge.

Water Level Measurement Status
○ Static Water Level

Chloride Results
◇ Chloride Concentration

Well Summary - 25N/02E-20L07 (SLA Aquifer)

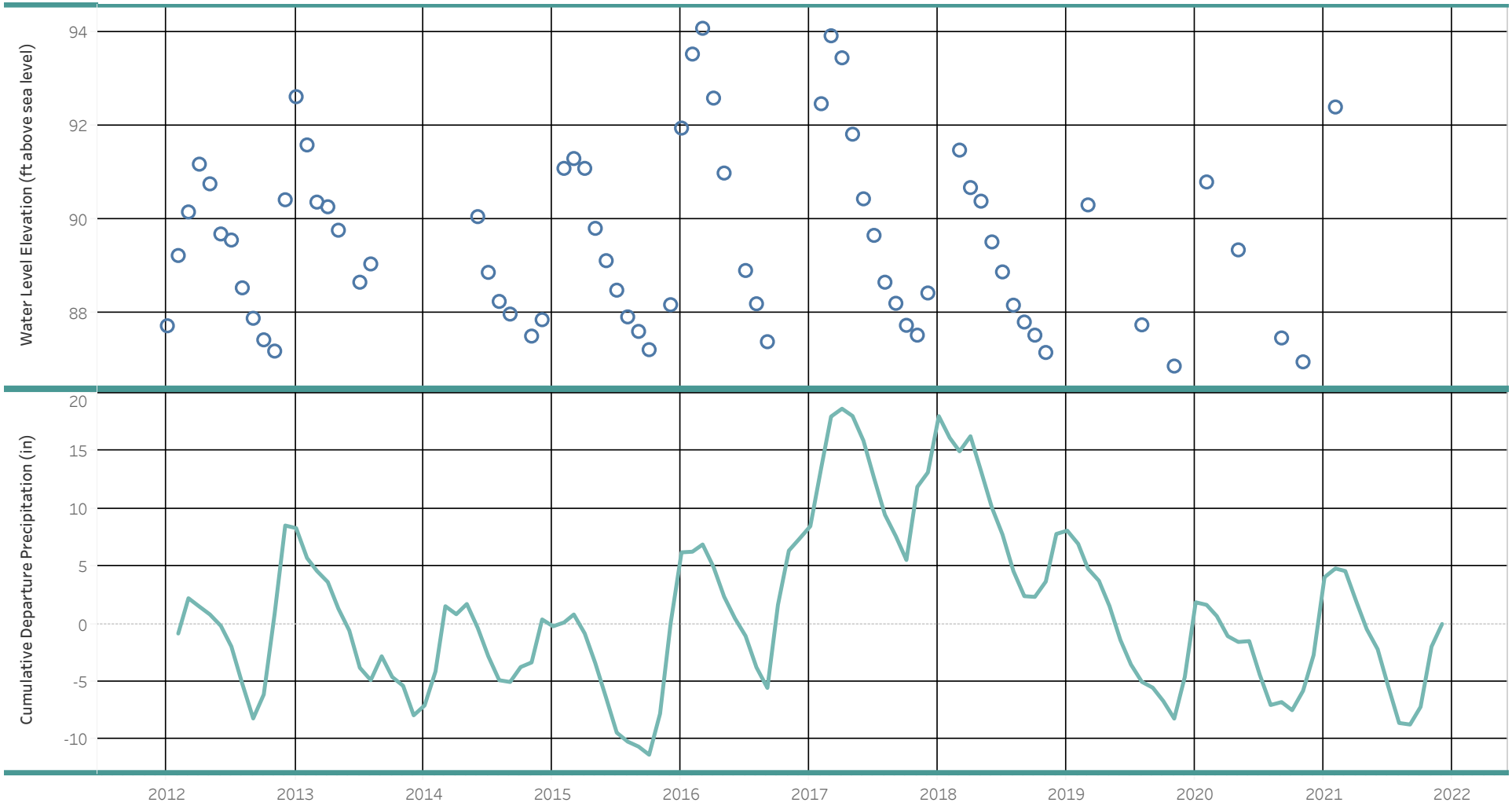


This chart displays a summary of water level data presented as a monthly average.
Static water level data for 25N/02E-20L07 spans 10 years, which included a maximum data collection gap (in months) of: 10.2. Estimated static water level trend is -0.02 (ft/year).
Water level trend calculations are based on an ordinary least squares (OLS) fit to the monthly average of all static water level data.
Cumulative Departure Precipitation (CDP) represents the running total of monthly differences from the average over the period. Downward trending sections typically indicate drier periods with lowered recharge, while upward trending segments indicate wetter than average periods with greater recharge.

Water Level Measurement Status
○ Static Water Level

Chloride Results
◇ Chloride Concentration

Well Summary - 25N/02E-20P2 (PA Aquifer)

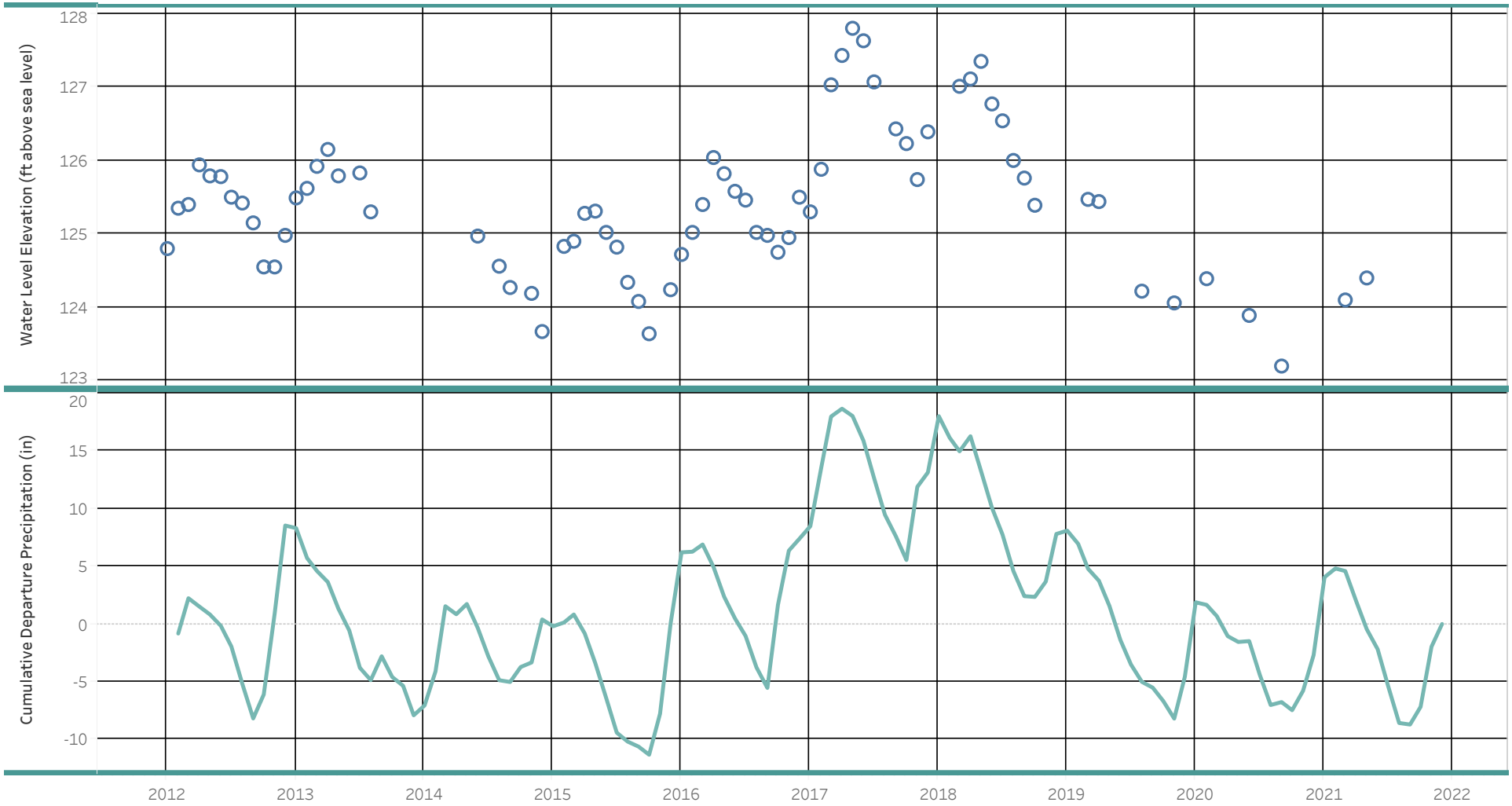


This chart displays a summary of water level data presented as a monthly average.
Static water level data for 25N/02E-20P2 spans 9 years, which included a maximum data collection gap (in months) of: 10.2. Estimated static water level trend is -0.05 (ft/year).
Water level trend calculations are based on an ordinary least squares (OLS) fit to the monthly average of all static water level data.
Cumulative Departure Precipitation (CDP) represents the running total of monthly differences from the average over the period. Downward trending sections typically indicate drier periods with lowered recharge, while upward trending segments indicate wetter than average periods with greater recharge.

Water Level Measurement Status

○ Static Water Level

Well Summary - 25N/02E-21B (SPA Aquifer)

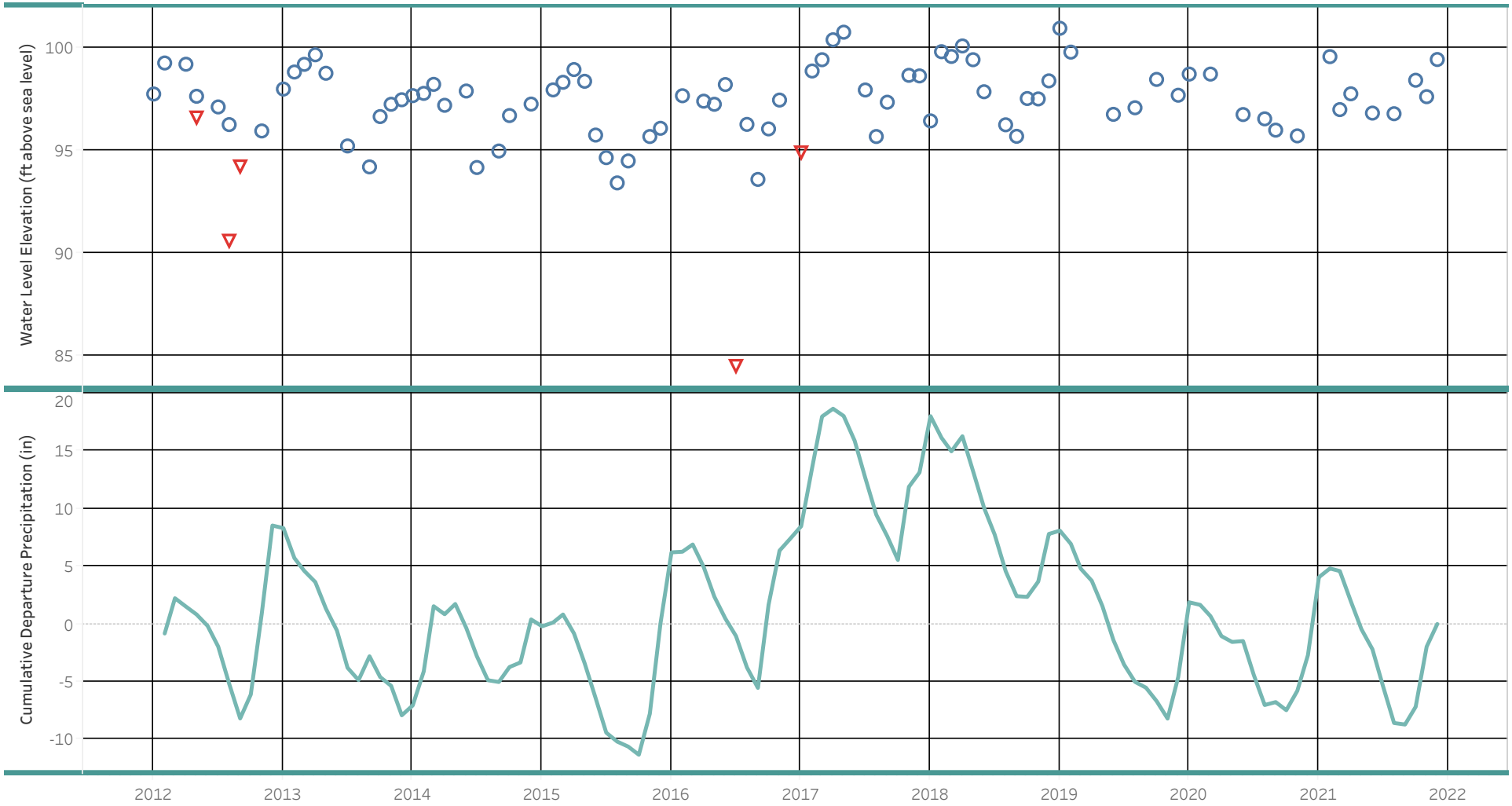


This chart displays a summary of water level data presented as a monthly average.
Static water level data for 25N/02E-21B spans 9 years, which included a maximum data collection gap (in months) of: 10.2. Estimated static water level trend is 0.01 (ft/year).
Water level trend calculations are based on an ordinary least squares (OLS) fit to the monthly average of all static water level data.
Cumulative Departure Precipitation (CDP) represents the running total of monthly differences from the average over the period. Downward trending sections typically indicate drier periods with lowered recharge, while upward trending segments indicate wetter than average periods with greater recharge.

Water Level Measurement Status

○ Static Water Level

Well Summary - 25N/02E-21G03 (SLA Aquifer)

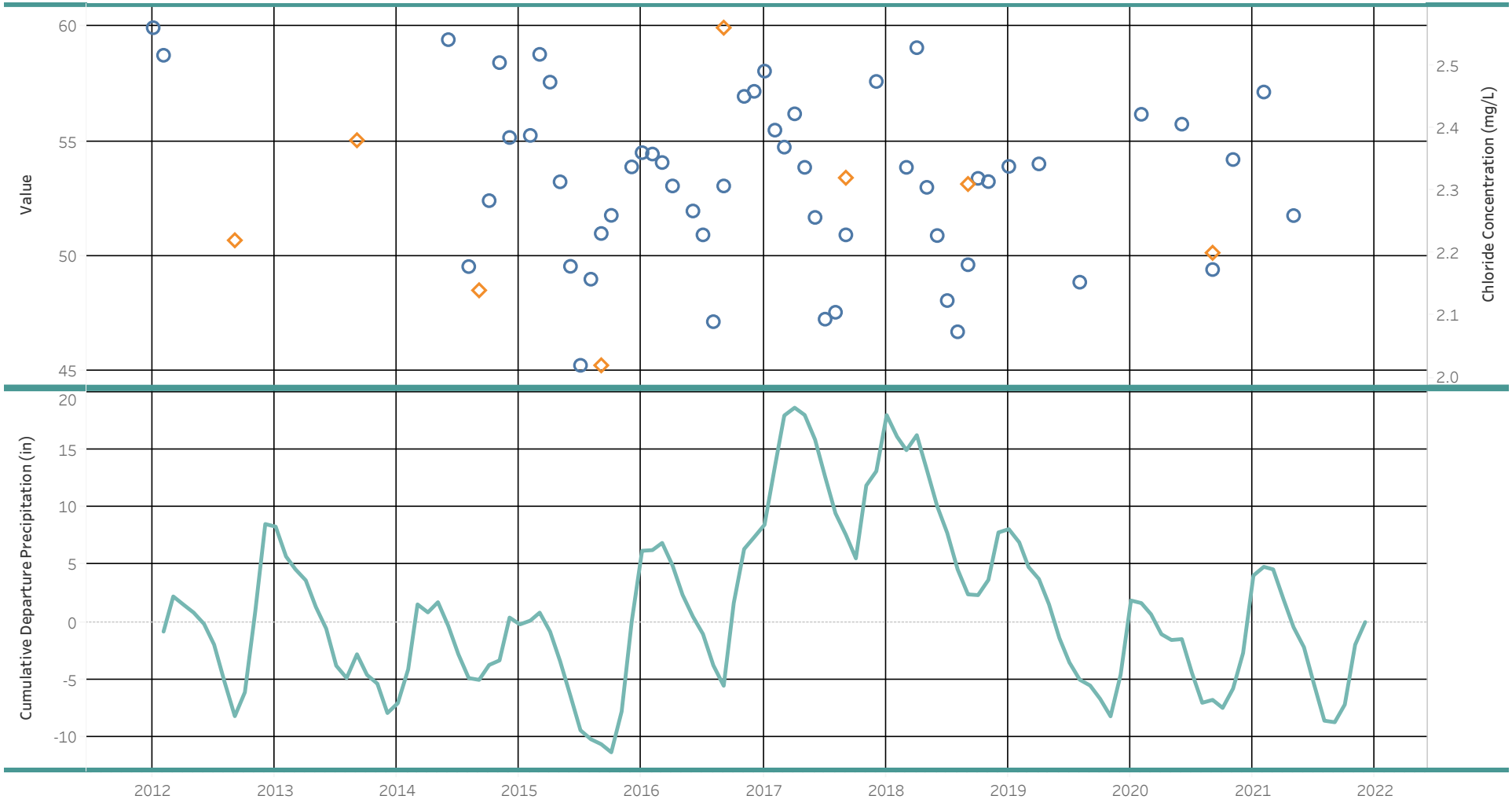


This chart displays a summary of water level data presented as a monthly average.
Static water level data for 25N/02E-21G03 spans 10 years, which included a maximum data collection gap (in months) of: 3.5. Estimated static water level trend is 0.07 (ft/year).
Water level trend calculations are based on an ordinary least squares (OLS) fit to the monthly average of all static water level data.
Cumulative Departure Precipitation (CDP) represents the running total of monthly differences from the average over the period. Downward trending sections typically indicate drier periods with lowered recharge, while upward trending segments indicate wetter than average periods with greater recharge.

Water Level Measurement Status

- ○ Static Water Level
- ▽ Water level influenced by pumping

Well Summary - 25N/02E-21P03 (SLA Aquifer)

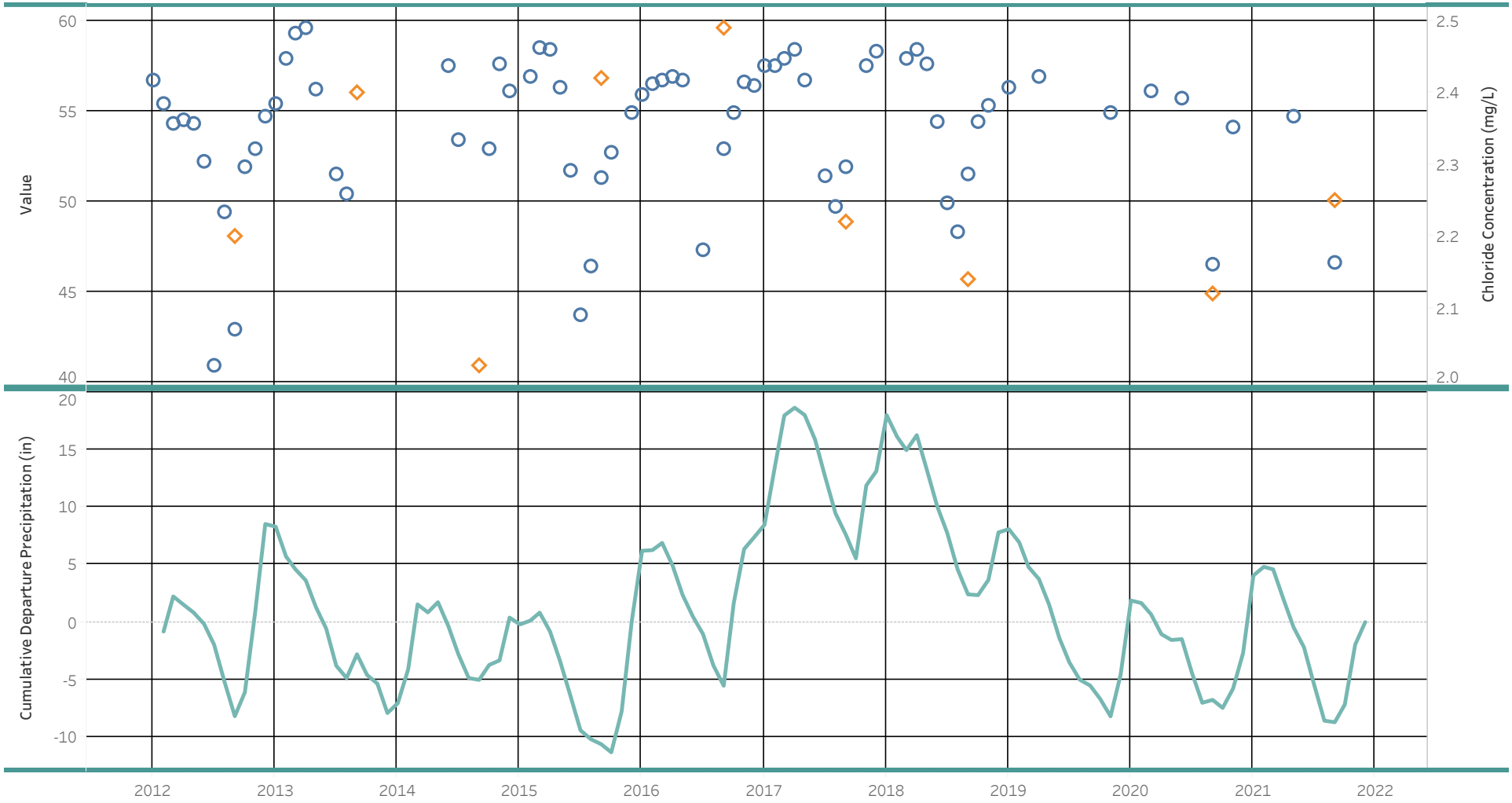


This chart displays a summary of water level data presented as a monthly average.
Static water level data for 25N/02E-21P03 spans 9 years, which included a maximum data collection gap (in months) of: 28.3. Estimated static water level trend is -0.39 (ft/year).
Water level trend calculations are based on an ordinary least squares (OLS) fit to the monthly average of all static water level data.
Cumulative Departure Precipitation (CDP) represents the running total of monthly differences from the average over the period. Downward trending sections typically indicate drier periods with lowered recharge, while upward trending segments indicate wetter than average periods with greater recharge.

Water Level Measurement Status
○ Static Water Level

Chloride Results
◇ Chloride Concentration

Well Summary - 25N/02E-22C01 (SLA Aquifer)

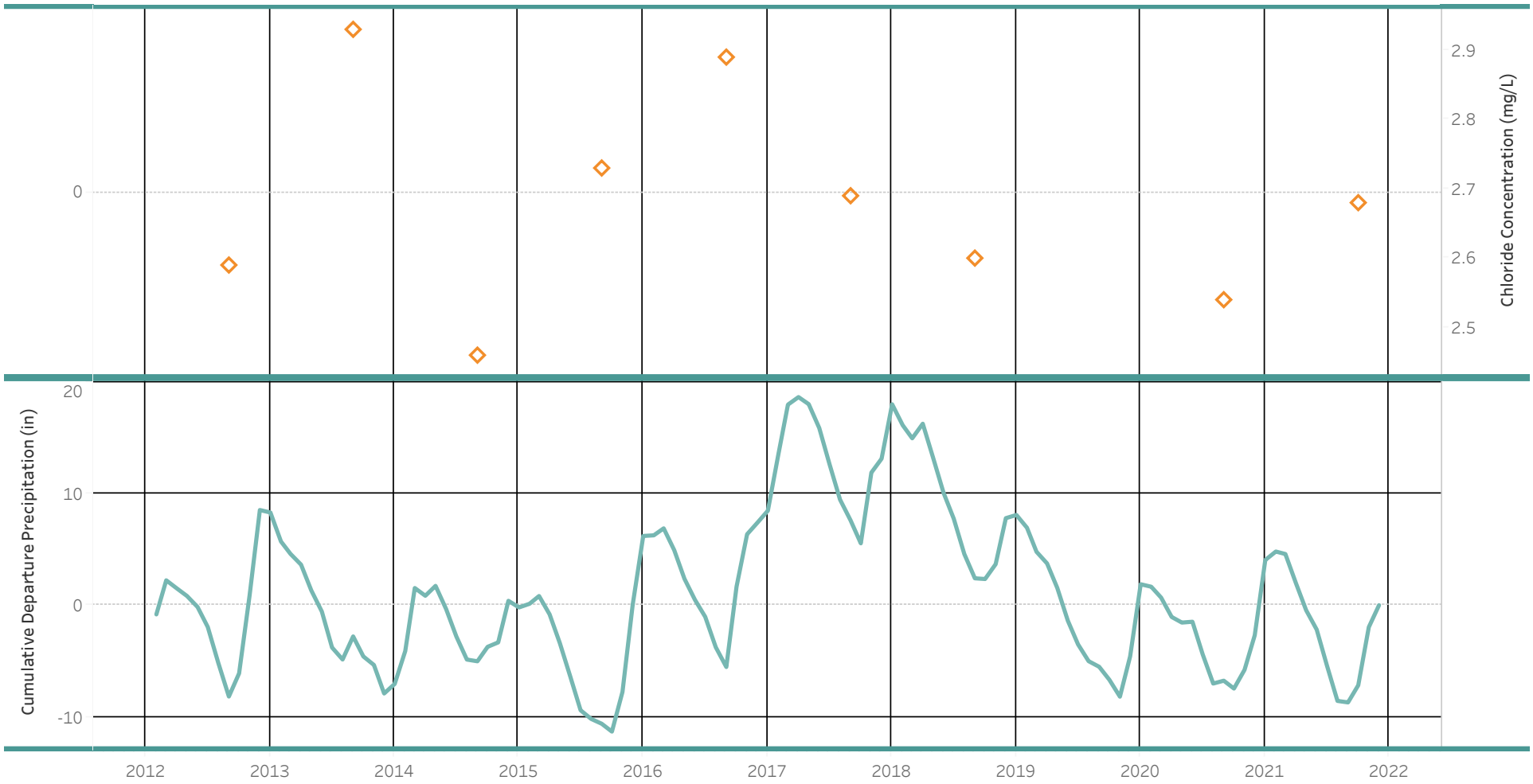


This chart displays a summary of water level data presented as a monthly average.
Static water level data for 25N/02E-22C01 spans 10 years, which included a maximum data collection gap (in months) of: 10.3. Estimated static water level trend is 0.07 (ft/year).
Water level trend calculations are based on an ordinary least squares (OLS) fit to the monthly average of all static water level data.
Cumulative Departure Precipitation (CDP) represents the running total of monthly differences from the average over the period. Downward trending sections typically indicate drier periods with lowered recharge, while upward trending segments indicate wetter than average periods with greater recharge.

Water Level Measurement Status
○ Static Water Level

Chloride Results
◇ Chloride Concentration

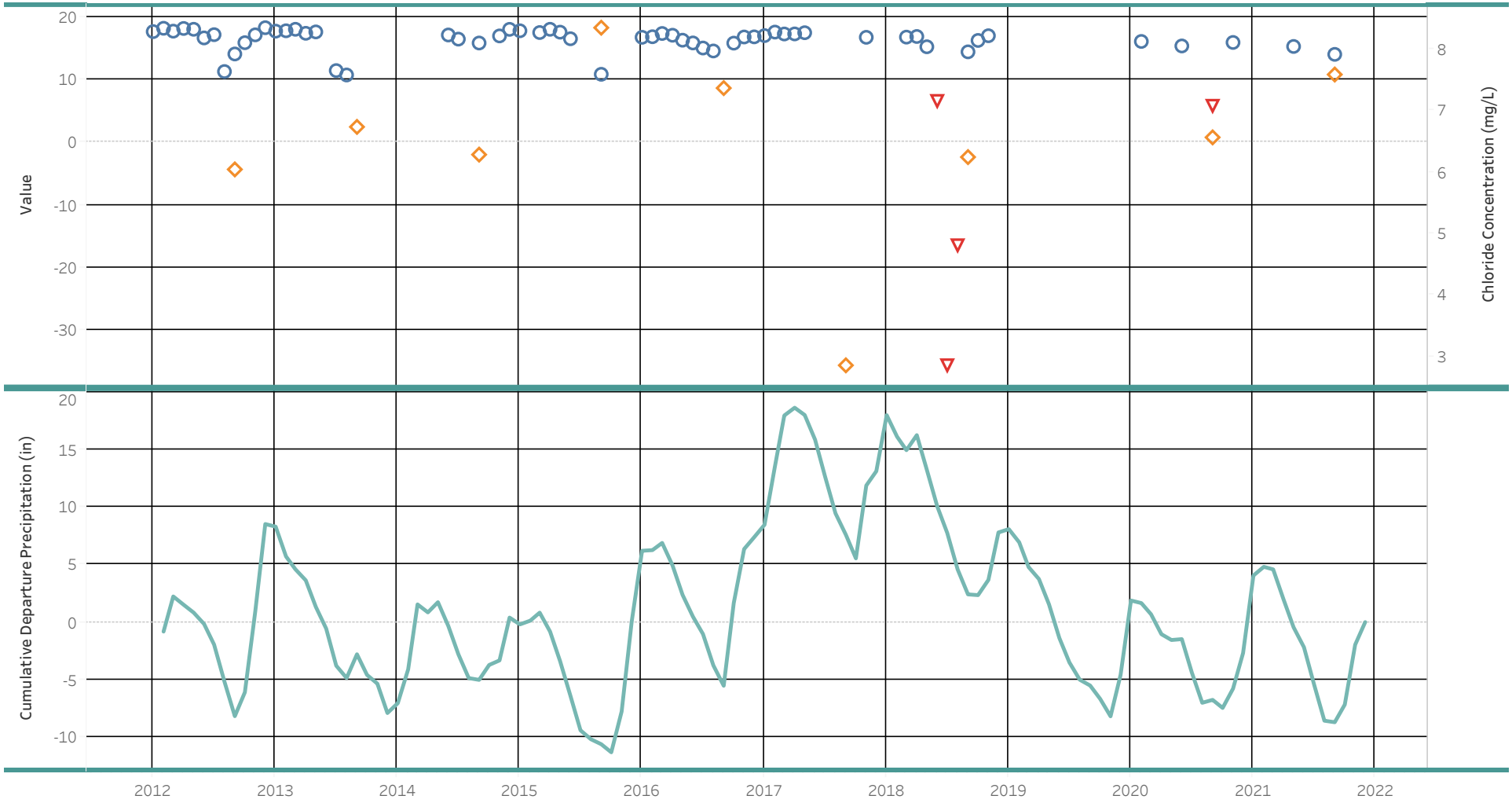
Well Summary - 25N/02E-23G (SLA Aquifer)



This chart displays a summary of water level data presented as a monthly average.
Static water level data for 25N/02E-23G are not available, including a maximum data collection gap (in months) of: None. No early warning level assessment applied due to insufficient data (at least 8 years of data required). None available.
Water level trend calculations are based on an ordinary least squares (OLS) fit to the monthly average of all static water level data.
Cumulative Departure Precipitation (CDP) represents the running total of monthly differences from the average over the period. Downward trending sections typically indicate drier periods with lowered recharge, while upward trending segments indicate wetter than average periods with greater recharge.

◇ Chloride Concentration

Well Summary - 25N/02E-23K (SPA Aquifer)

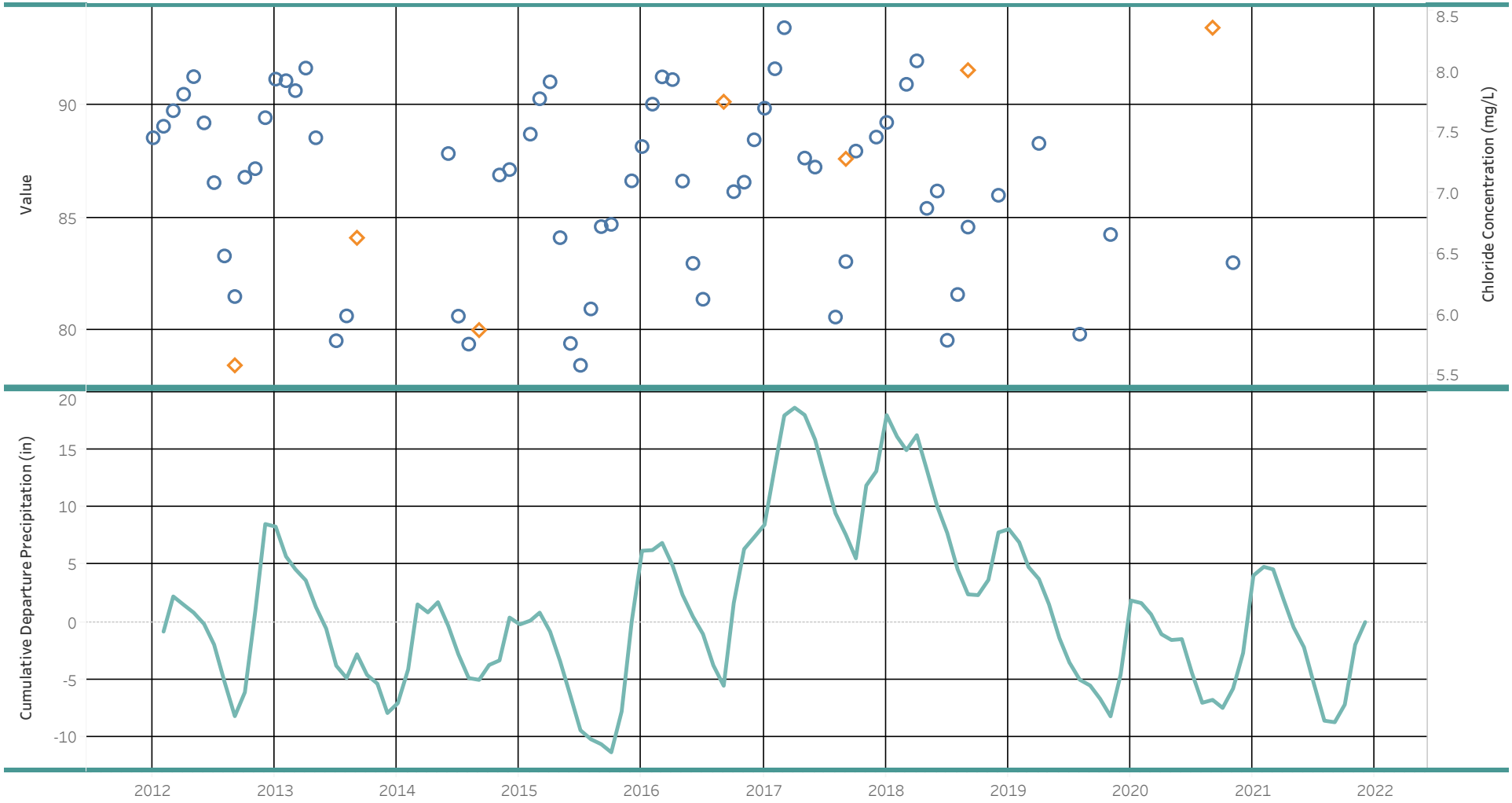


This chart displays a summary of water level data presented as a monthly average.
Static water level data for 25N/02E-23K spans 10 years, which included a maximum data collection gap (in months) of: 14.7. Estimated static water level trend is -0.11 (ft/year).
Water level trend calculations are based on an ordinary least squares (OLS) fit to the monthly average of all static water level data.
Cumulative Departure Precipitation (CDP) represents the running total of monthly differences from the average over the period. Downward trending sections typically indicate drier periods with lowered recharge, while upward trending segments indicate wetter than average periods with greater recharge.

Water Level Measurement Status
- ○ Static Water Level
- ▽ Water level influenced by pumping

Chloride Results
- ◇ Chloride Concentration

Well Summary - 25N/02E-23Q03 (SPA Aquifer)

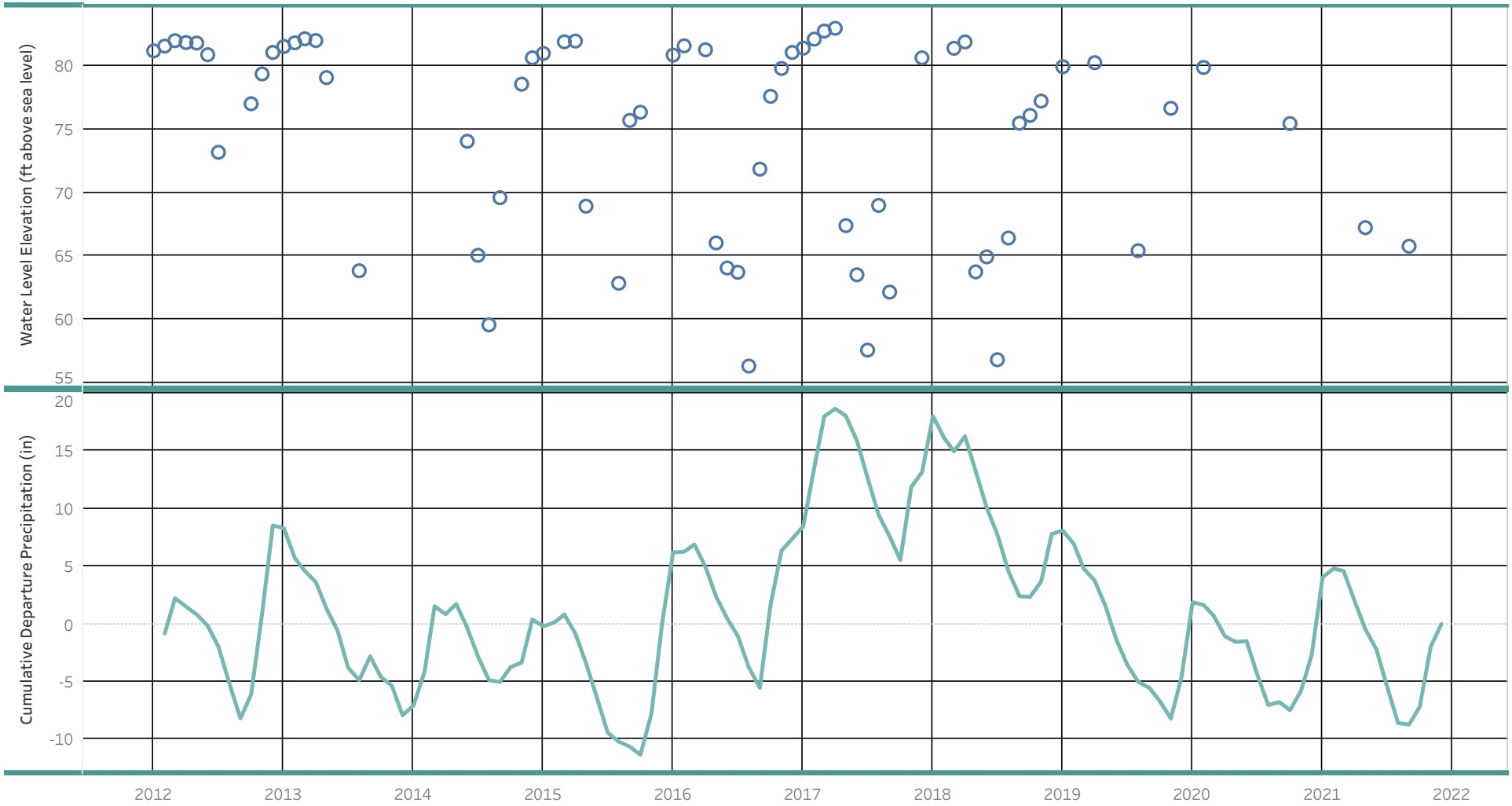


This chart displays a summary of water level data presented as a monthly average.
Static water level data for 25N/02E-23Q03 spans 9 years, which included a maximum data collection gap (in months) of: 12.3. Estimated static water level trend is -0.31 (ft/year).
Water level trend calculations are based on an ordinary least squares (OLS) fit to the monthly average of all static water level data.
Cumulative Departure Precipitation (CDP) represents the running total of monthly differences from the average over the period. Downward trending sections typically indicate drier periods with lowered recharge, while upward trending segments indicate wetter than average periods with greater recharge.

Water Level Measurement Status
○ Static Water Level

Chloride Results
◇ Chloride Concentration

Well Summary - 25N/02E-26B01 (SLA Aquifer)

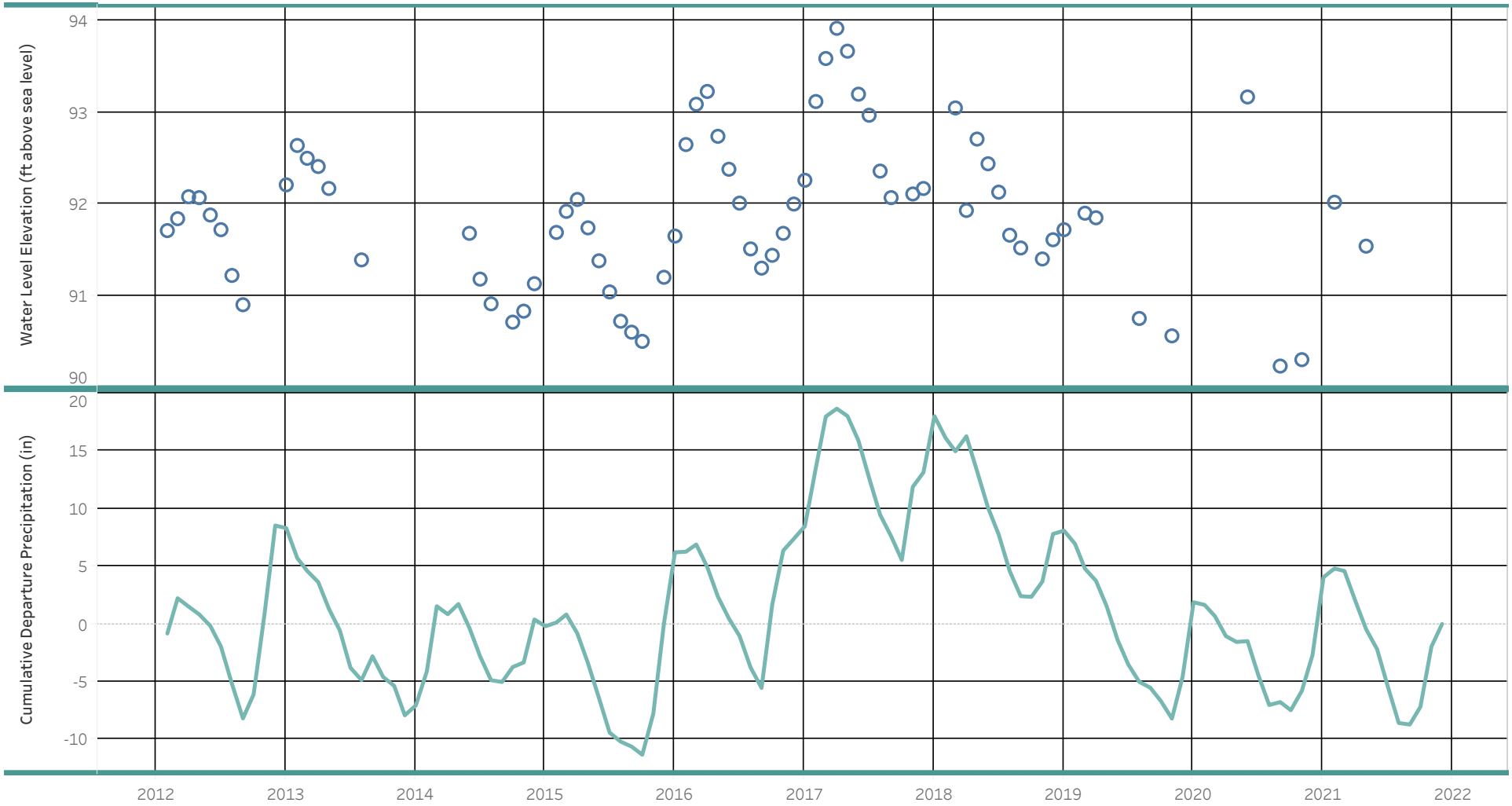


This chart displays a summary of water level data presented as a monthly average.
Static water level data for 25N/02E-26B01 spans 10 years, which included a maximum data collection gap (in months) of: 10.2. Estimated static water level trend is -0.99 (ft/year).
Water level trend calculations are based on an ordinary least squares (OLS) fit to the monthly average of all static water level data.
Cumulative Departure Precipitation (CDP) represents the running total of monthly differences from the average over the period. Downward trending sections typically indicate drier periods with lowered recharge, while upward trending segments indicate wetter than average periods with greater recharge.

Water Level Measurement Status

○ Static Water Level

Well Summary - 25N/02E-28F (PA Aquifer)

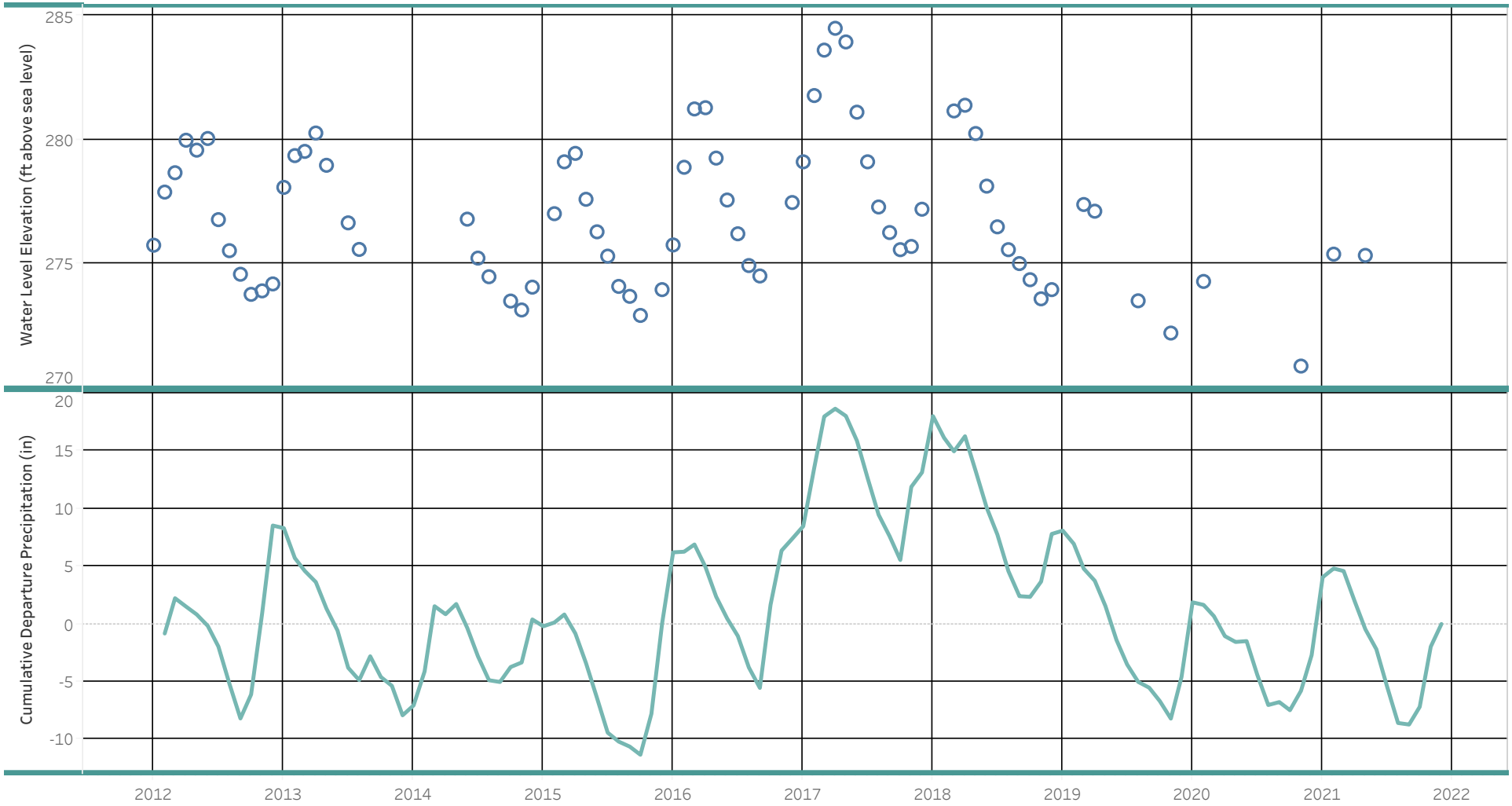


This chart displays a summary of water level data presented as a monthly average.
Static water level data for 25N/02E-28F spans 9 years, which included a maximum data collection gap (in months) of: 10.3. Estimated static water level trend is 0.01 (ft/year).
Water level trend calculations are based on an ordinary least squares (OLS) fit to the monthly average of all static water level data.
Cumulative Departure Precipitation (CDP) represents the running total of monthly differences from the average over the period. Downward trending sections typically indicate drier periods with lowered recharge, while upward trending segments indicate wetter than average periods with greater recharge.

Water Level Measurement Status

○ Static Water Level

Well Summary - 25N/02E-28N02 (PA Aquifer)

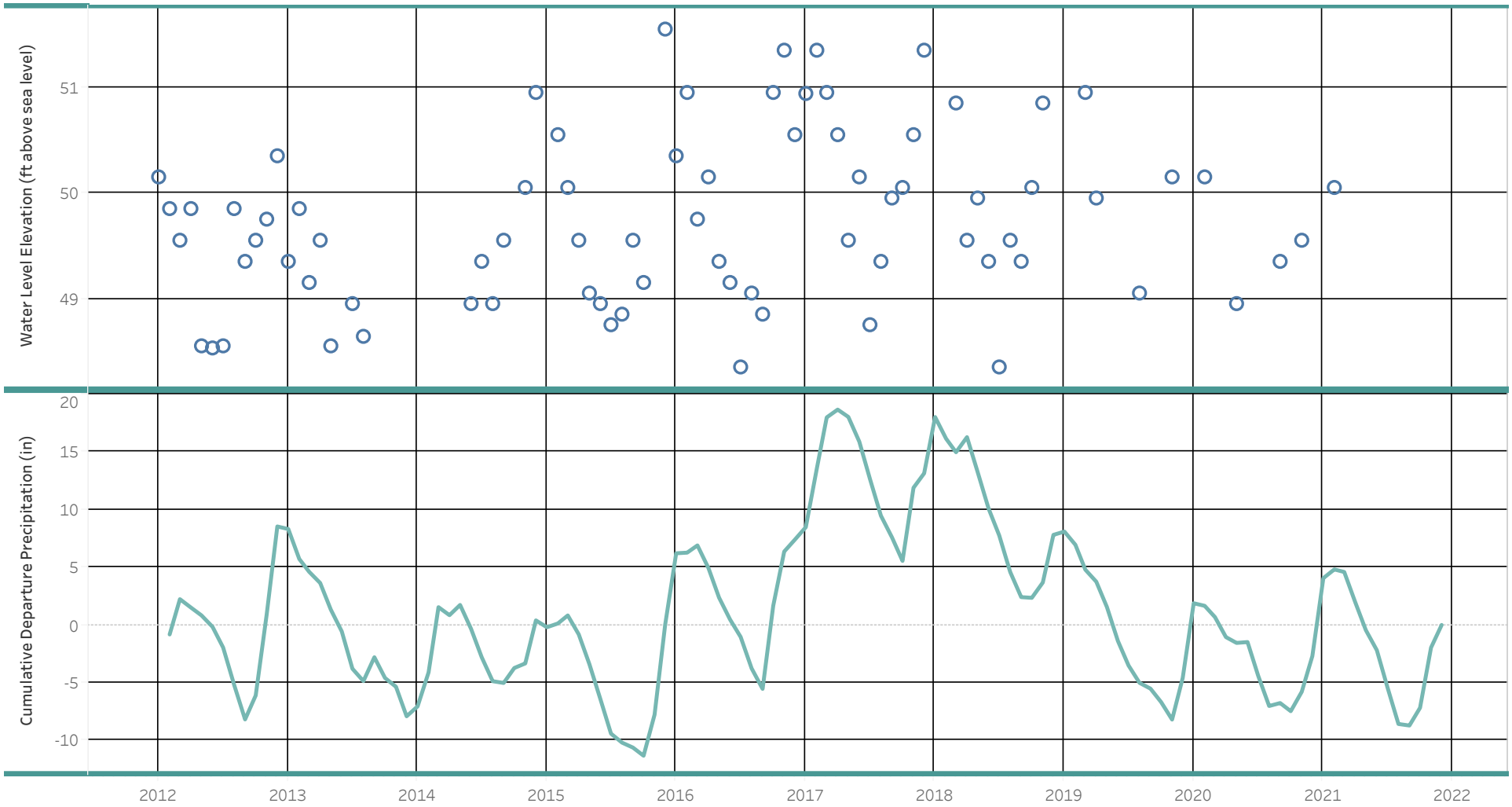


This chart displays a summary of water level data presented as a monthly average.
Static water level data for 25N/02E-28N02 spans 9 years, which included a maximum data collection gap (in months) of: 10.3. Estimated static water level trend is -0.13 (ft/year).
Water level trend calculations are based on an ordinary least squares (OLS) fit to the monthly average of all static water level data.
Cumulative Departure Precipitation (CDP) represents the running total of monthly differences from the average over the period. Downward trending sections typically indicate drier periods with lowered recharge, while upward trending segments indicate wetter than average periods with greater recharge.

Water Level Measurement Status

○ Static Water Level

Well Summary - 25N/02E-29C (SLA Aquifer)

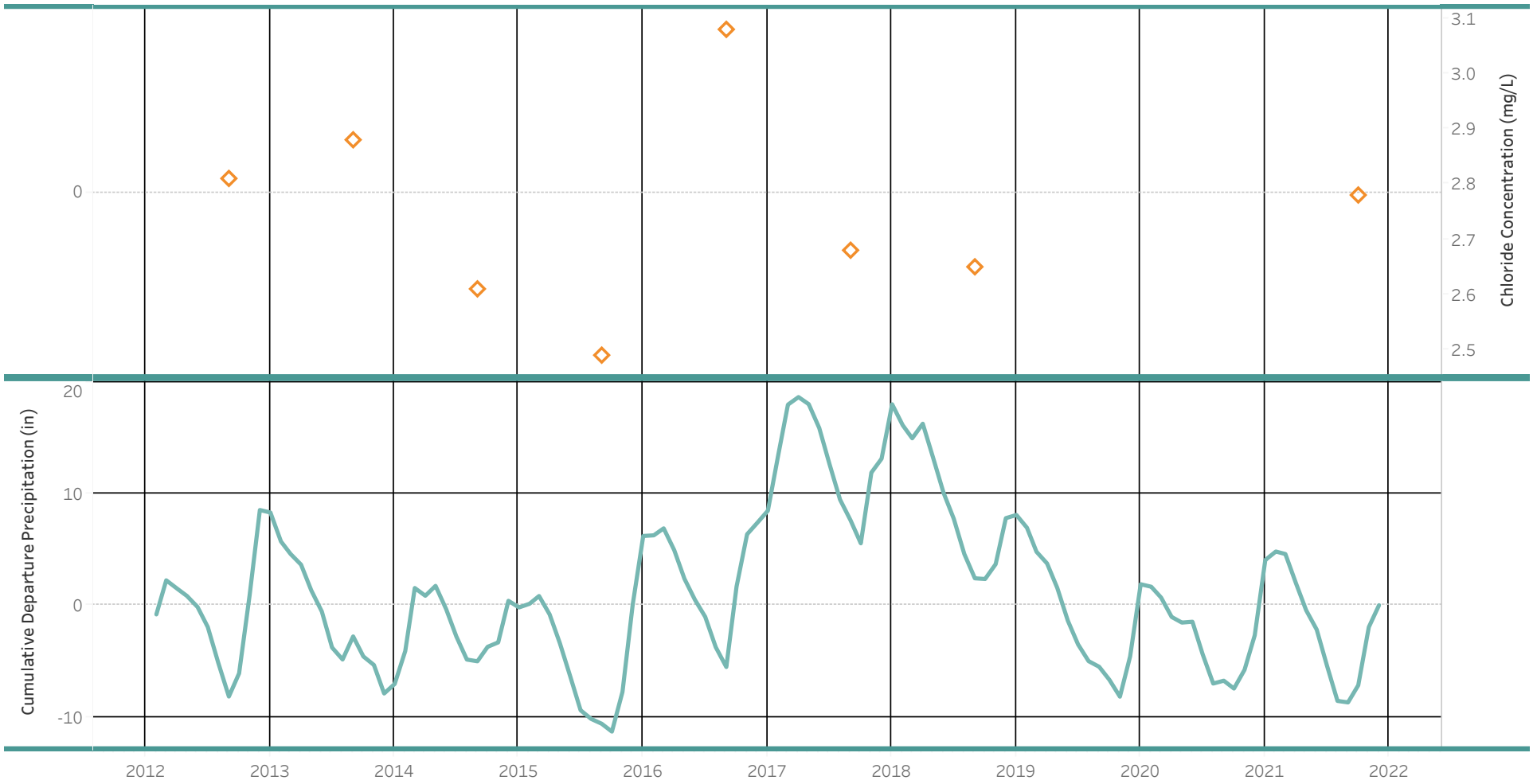


This chart displays a summary of water level data presented as a monthly average.
Static water level data for 25N/02E-29C spans 9 years, which included a maximum data collection gap (in months) of: 10.2. Estimated static water level trend is 0.08 (ft/year).
Water level trend calculations are based on an ordinary least squares (OLS) fit to the monthly average of all static water level data.
Cumulative Departure Precipitation (CDP) represents the running total of monthly differences from the average over the period. Downward trending sections typically indicate drier periods with lowered recharge, while upward trending segments indicate wetter than average periods with greater recharge.

Water Level Measurement Status

○ Static Water Level

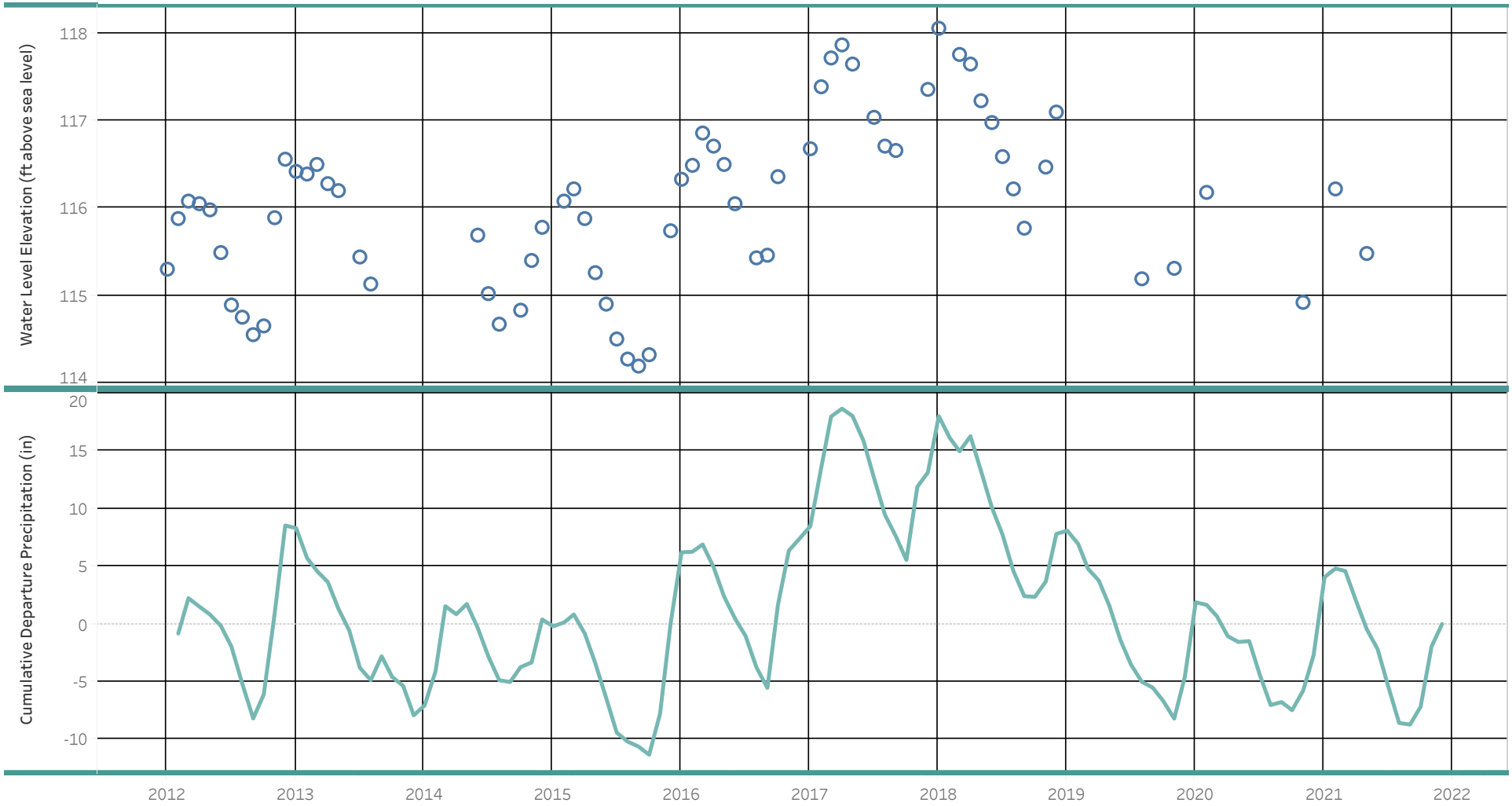
Well Summary - 25N/02E-32C01 (SLA Aquifer)



This chart displays a summary of water level data presented as a monthly average.
Static water level data for 25N/02E-32C01 are not available, including a maximum data collection gap (in months) of: None. No early warning level assessment applied due to insufficient data (at least 8 years of data required). None available.
Water level trend calculations are based on an ordinary least squares (OLS) fit to the monthly average of all static water level data.
Cumulative Departure Precipitation (CDP) represents the running total of monthly differences from the average over the period. Downward trending sections typically indicate drier periods with lowered recharge, while upward trending segments indicate wetter than average periods with greater recharge.

◇ Chloride Concentration

Well Summary - 25N/02E-33B02 (SPA Aquifer)

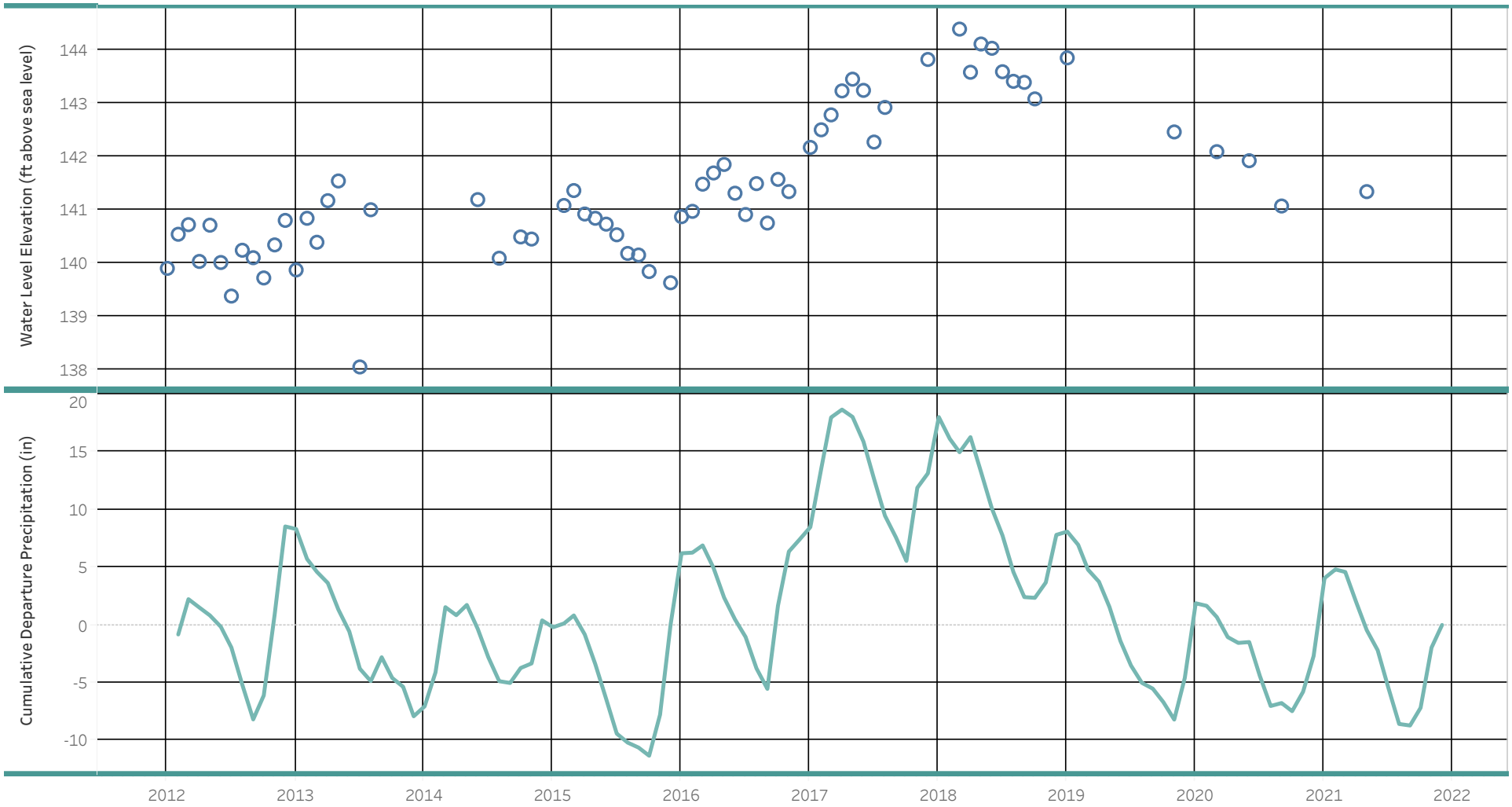


This chart displays a summary of water level data presented as a monthly average.
Static water level data for 25N/02E-33B02 spans 9 years, which included a maximum data collection gap (in months) of: 10.3. Estimated static water level trend is 0.13 (ft/year).
Water level trend calculations are based on an ordinary least squares (OLS) fit to the monthly average of all static water level data.
Cumulative Departure Precipitation (CDP) represents the running total of monthly differences from the average over the period. Downward trending sections typically indicate drier periods with lowered recharge, while upward trending segments indicate wetter than average periods with greater recharge.

Water Level Measurement Status

○ Static Water Level

Well Summary - 25N/02E-33F01 (SLA Aquifer)

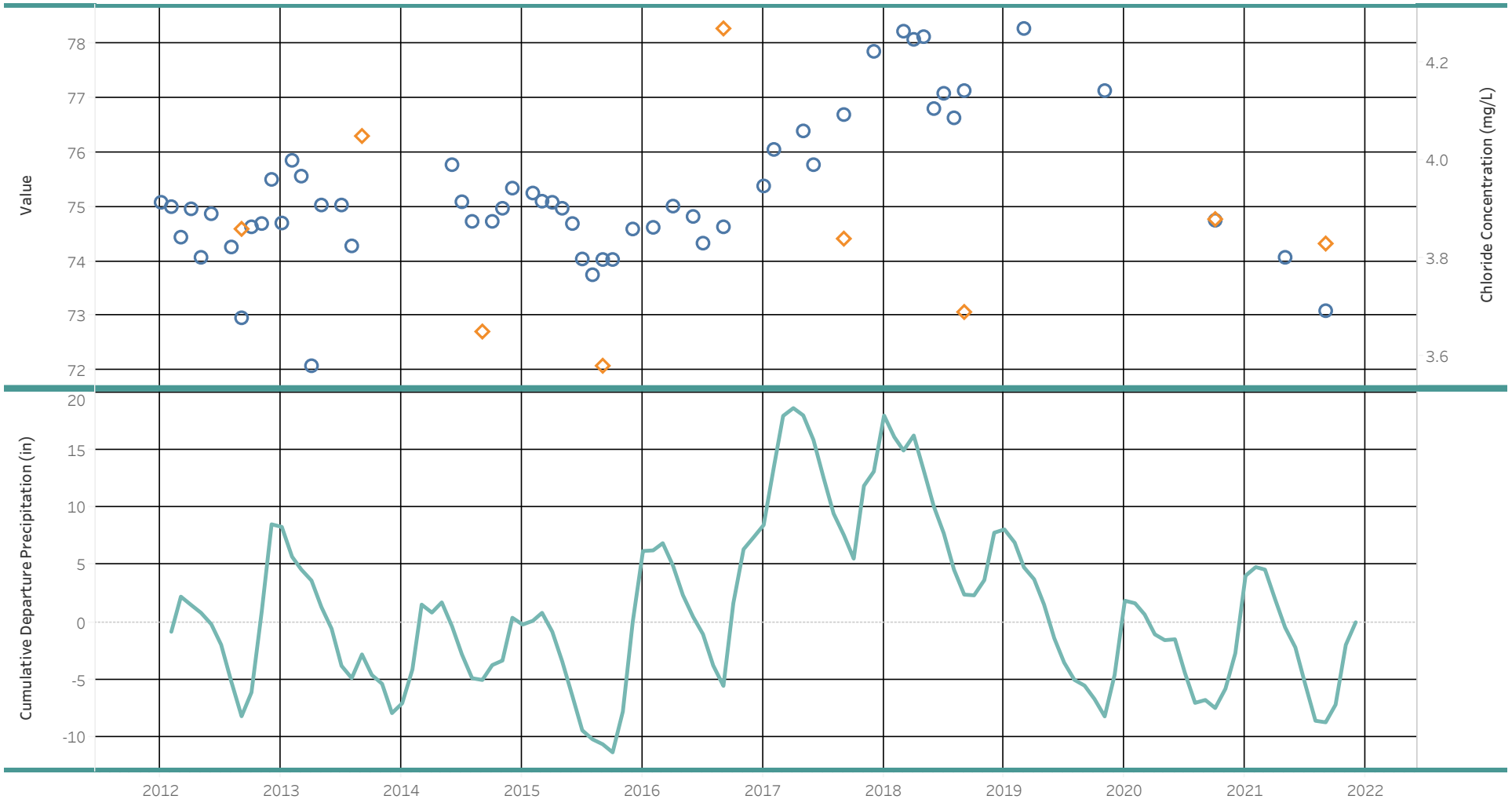


This chart displays a summary of water level data presented as a monthly average.
Static water level data for 25N/02E-33F01 spans 9 years, which included a maximum data collection gap (in months) of: 10.3. Estimated static water level trend is 0.4 (ft/year).
Water level trend calculations are based on an ordinary least squares (OLS) fit to the monthly average of all static water level data.
Cumulative Departure Precipitation (CDP) represents the running total of monthly differences from the average over the period. Downward trending sections typically indicate drier periods with lowered recharge, while upward trending segments indicate wetter than average periods with greater recharge.

Water Level Measurement Status

○ Static Water Level

Well Summary - 25N/02E-34J (SLA Aquifer)

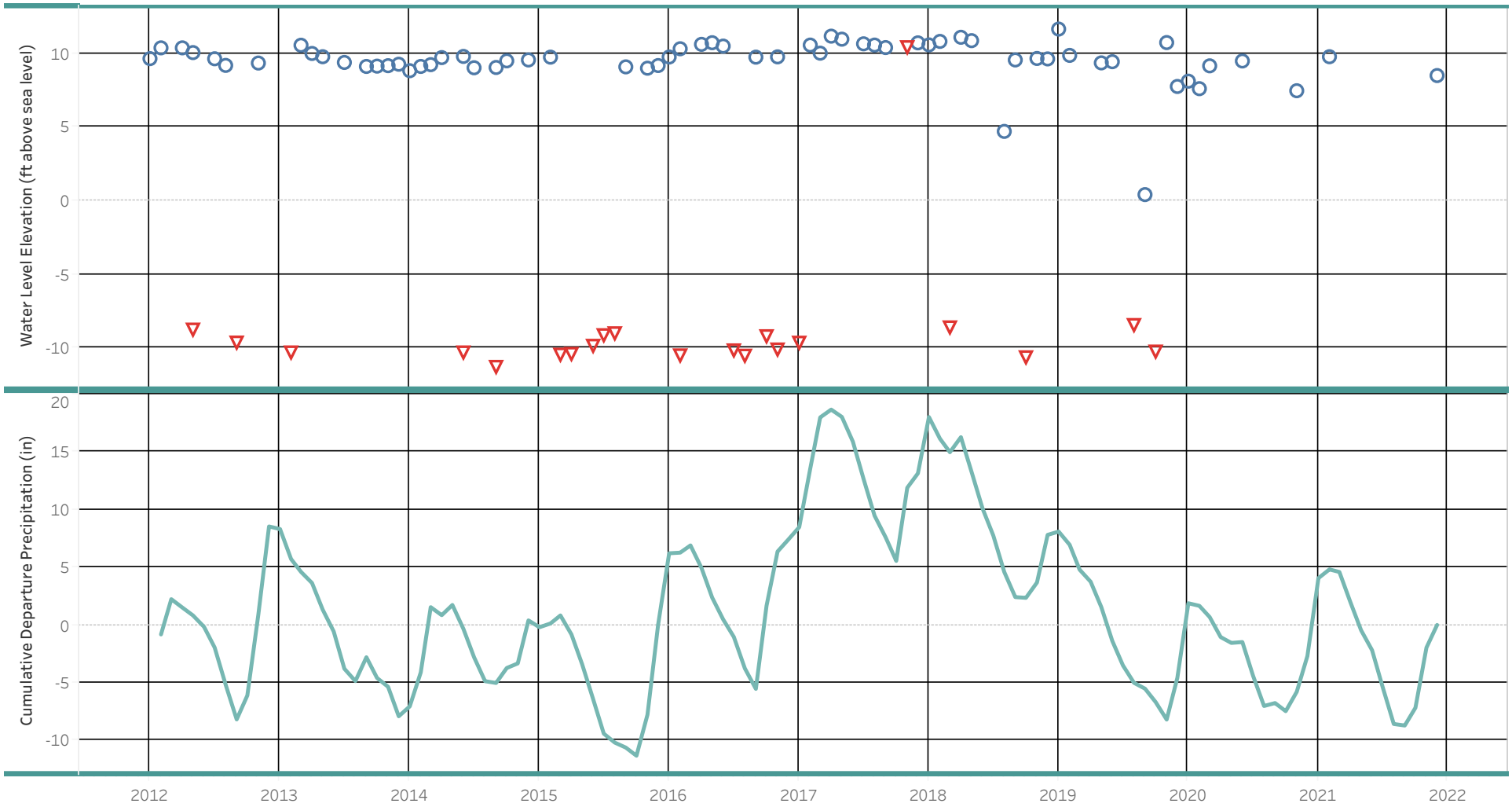


This chart displays a summary of water level data presented as a monthly average.
Static water level data for 25N/02E-34J spans 10 years, which included a maximum data collection gap (in months) of: 10.3. Estimated static water level trend is 0.23 (ft/year).
Water level trend calculations are based on an ordinary least squares (OLS) fit to the monthly average of all static water level data.
Cumulative Departure Precipitation (CDP) represents the running total of monthly differences from the average over the period. Downward trending sections typically indicate drier periods with lowered recharge, while upward trending segments indicate wetter than average periods with greater recharge.

Water Level Measurement Status
○ Static Water Level

Chloride Results
◇ Chloride Concentration

Well Summary - 25N/02E-35J03 (SLA Aquifer)

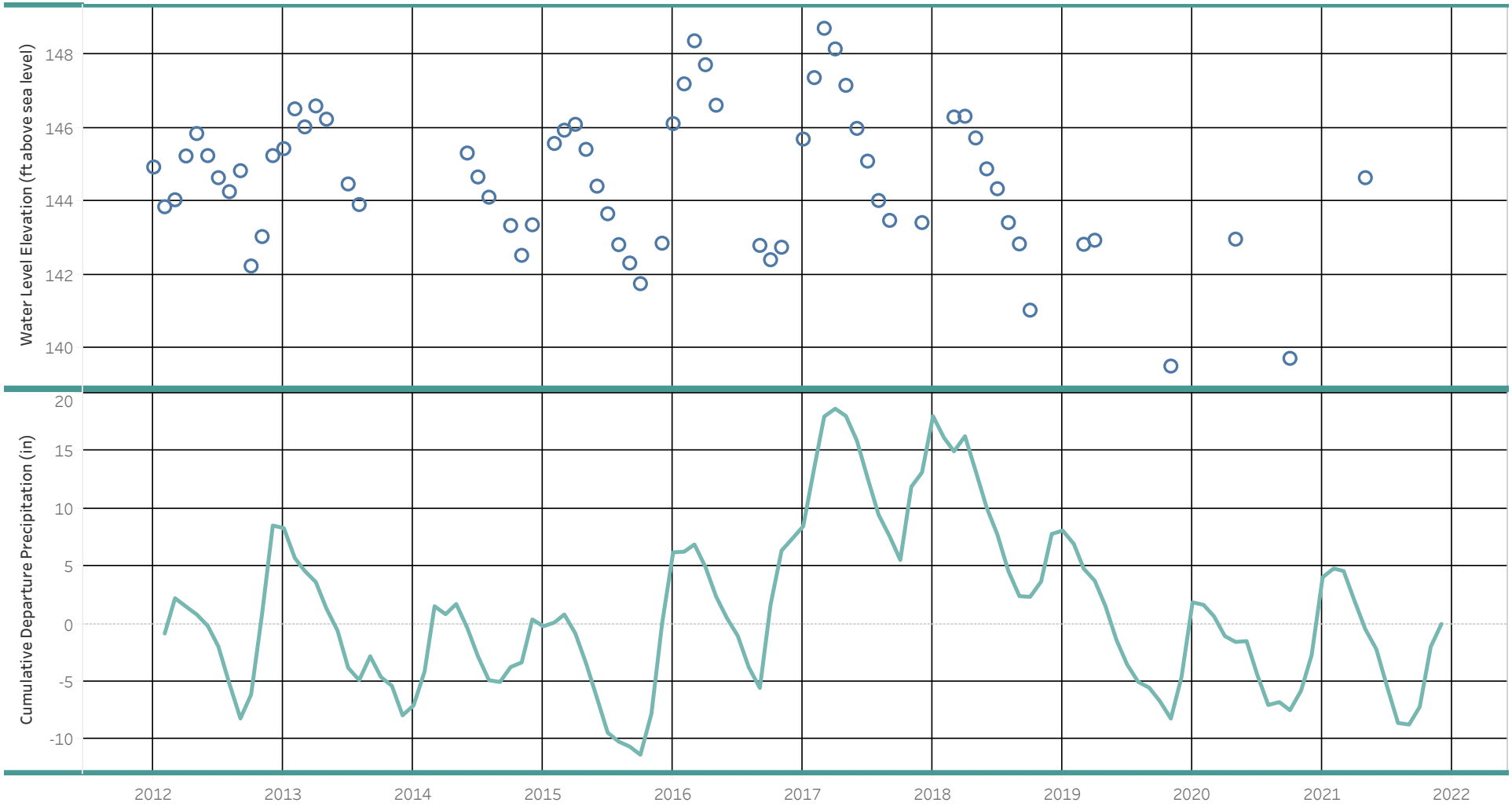


This chart displays a summary of water level data presented as a monthly average.
Static water level data for 25N/02E-35J03 spans 10 years, which included a maximum data collection gap (in months) of: 10.3. Estimated static water level trend is -0.11 (ft/year).
Water level trend calculations are based on an ordinary least squares (OLS) fit to the monthly average of all static water level data.
Cumulative Departure Precipitation (CDP) represents the running total of monthly differences from the average over the period. Downward trending sections typically indicate drier periods with lowered recharge, while upward trending segments indicate wetter than average periods with greater recharge.

Water Level Measurement Status

- ○ Static Water Level
- ▽ Water level influenced by pumping

Well Summary - 25N/02E-35M03 (PA Aquifer)

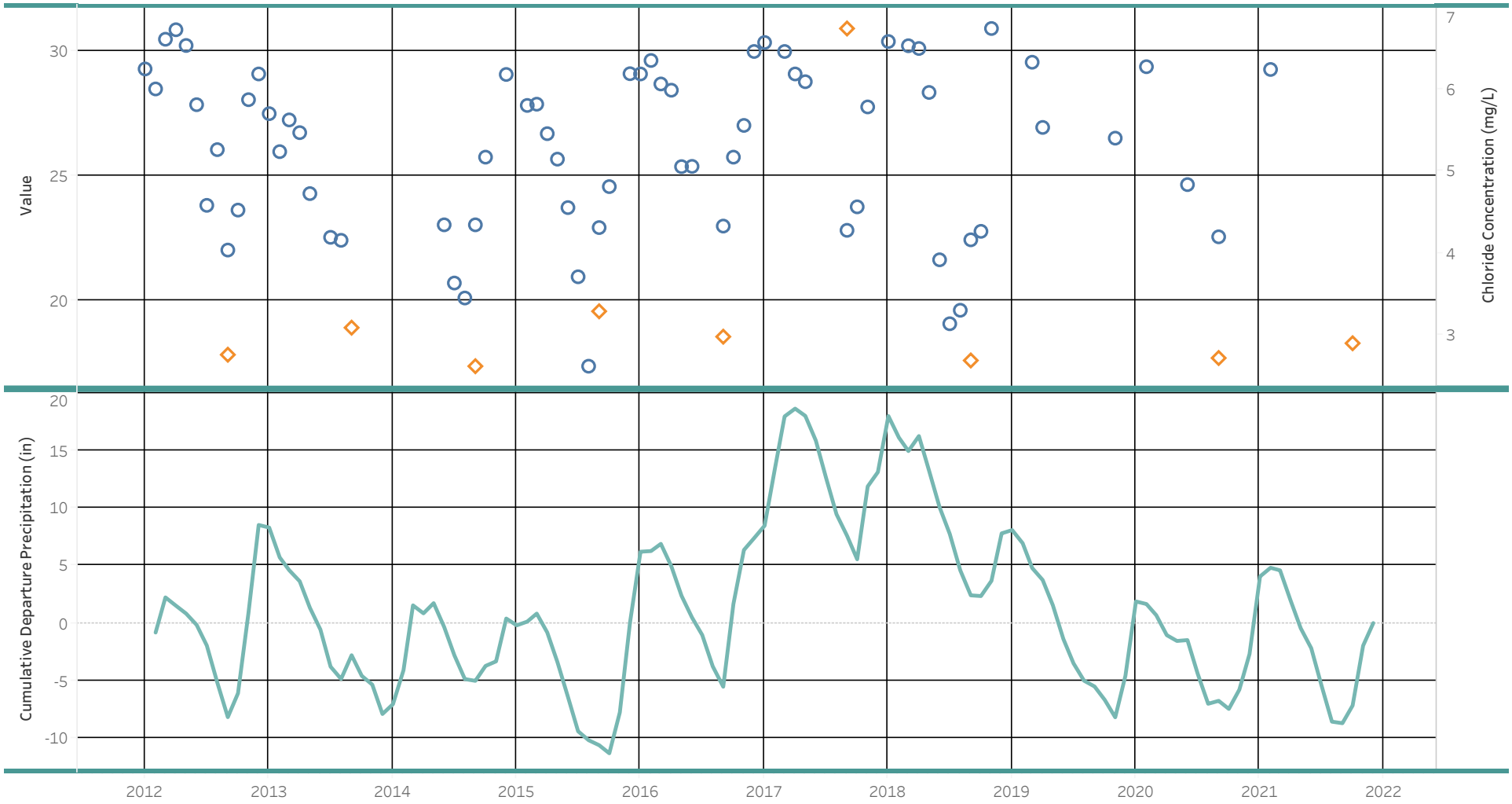


This chart displays a summary of water level data presented as a monthly average.
Static water level data for 25N/02E-35M03 spans 9 years, which included a maximum data collection gap (in months) of: 10.4. Estimated static water level trend is -0.17 (ft/year).
Water level trend calculations are based on an ordinary least squares (OLS) fit to the monthly average of all static water level data.
Cumulative Departure Precipitation (CDP) represents the running total of monthly differences from the average over the period. Downward trending sections typically indicate drier periods with lowered recharge, while upward trending segments indicate wetter than average periods with greater recharge.

Water Level Measurement Status

○ Static Water Level

Well Summary - 26N/02E-28B03 (GMA Aquifer)

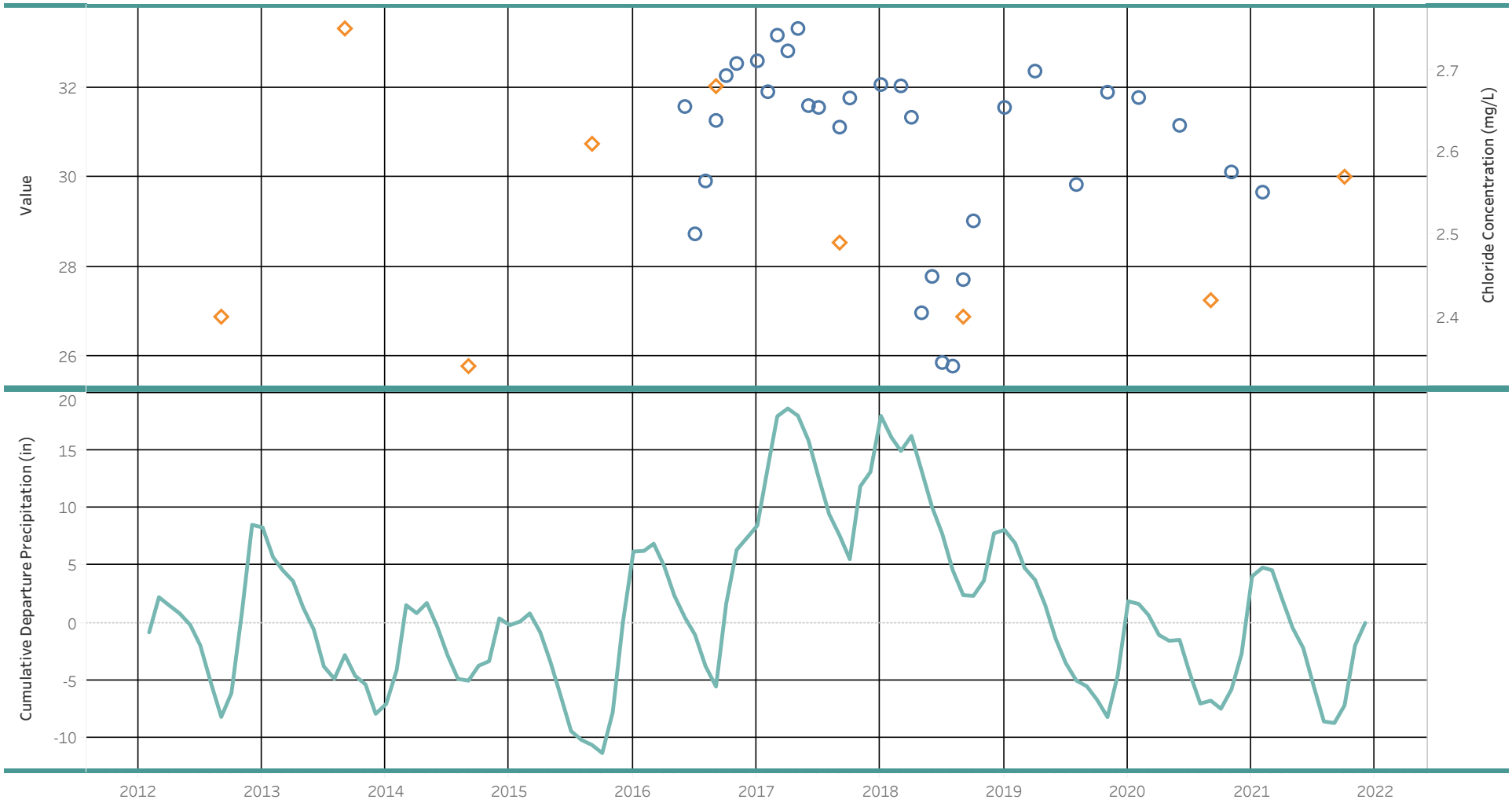


This chart displays a summary of water level data presented as a monthly average.
Static water level data for 26N/02E-28B03 spans 9 years, which included a maximum data collection gap (in months) of: 10.4. Estimated static water level trend is -0.02 (ft/year).
Water level trend calculations are based on an ordinary least squares (OLS) fit to the monthly average of all static water level data.
Cumulative Departure Precipitation (CDP) represents the running total of monthly differences from the average over the period. Downward trending sections typically indicate drier periods with lowered recharge, while upward trending segments indicate wetter than average periods with greater recharge.

Water Level Measurement Status
○ Static Water Level

Chloride Results
◇ Chloride Concentration

Well Summary - 26N/02E-28G01 (SLA Aquifer)

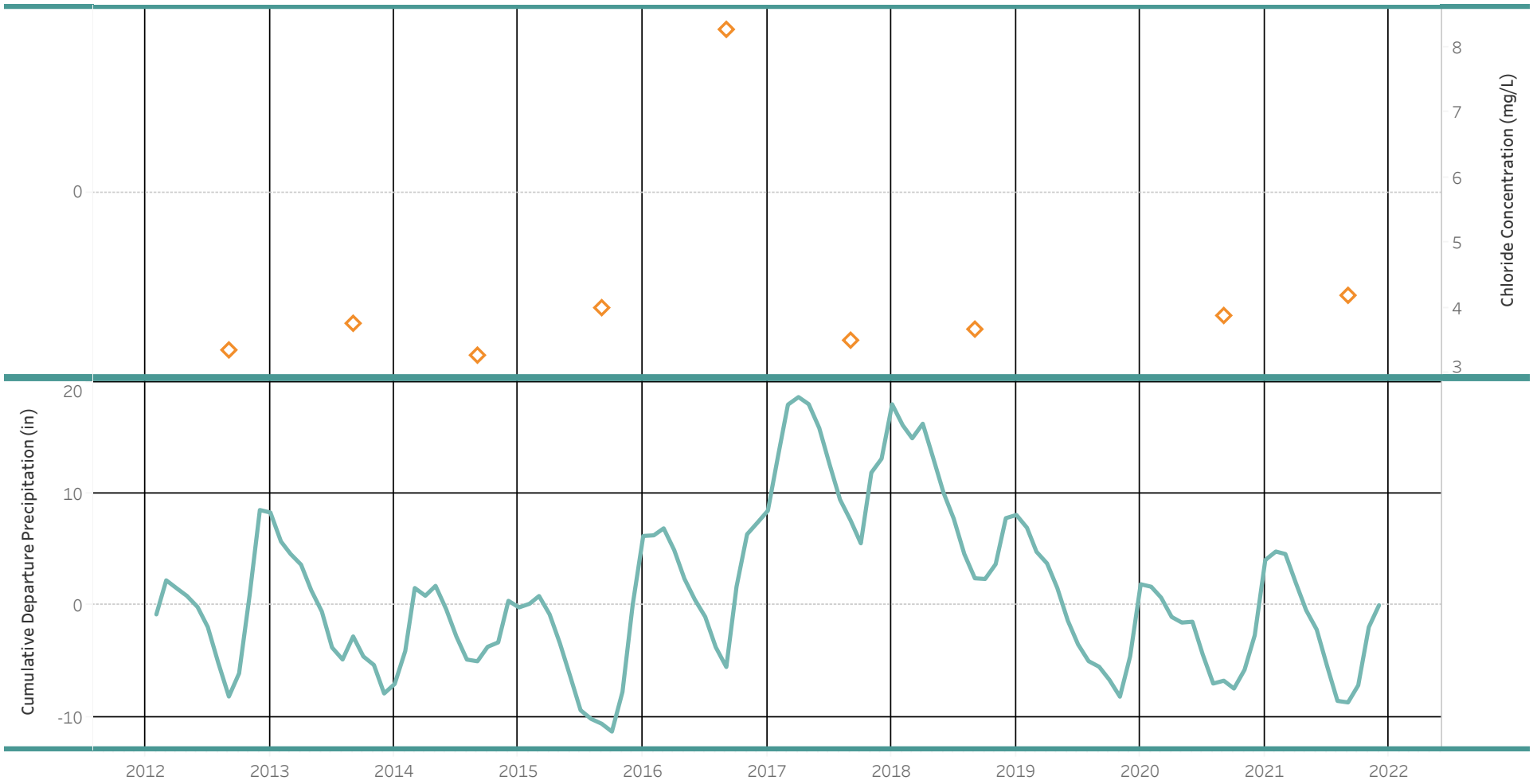


This chart displays a summary of water level data presented as a monthly average.
Static water level data for 26N/02E-28G01 spans 5 years, which included a maximum data collection gap (in months) of: 5.8. No early warning level assessment applied due to insufficient data (at least 8 years of data required). 5 years of data available.
Water level trend calculations are based on an ordinary least squares (OLS) fit to the monthly average of all static water level data.
Cumulative Departure Precipitation (CDP) represents the running total of monthly differences from the average over the period. Downward trending sections typically indicate drier periods with lowered recharge, while upward trending segments indicate wetter than average periods with greater recharge.

Water Level Measurement Status
○ Static Water Level

Chloride Results
◇ Chloride Concentration

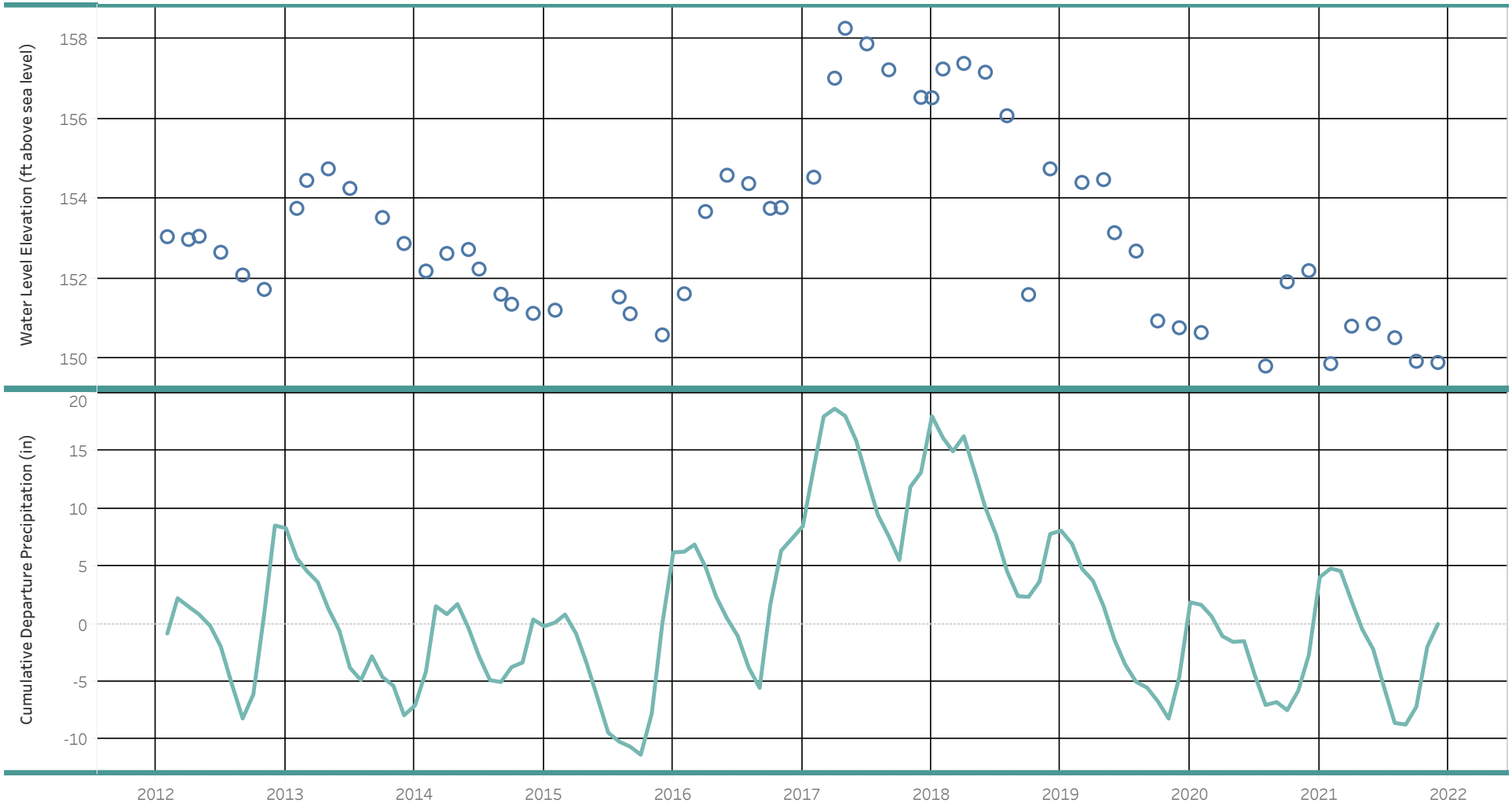
Well Summary - 26N/02E-28J02 (SLA Aquifer)



This chart displays a summary of water level data presented as a monthly average.
Static water level data for 26N/02E-28J02 are not available, including a maximum data collection gap (in months) of: None. No early warning level assessment applied due to insufficient data (at least 8 years of data required). None available.
Water level trend calculations are based on an ordinary least squares (OLS) fit to the monthly average of all static water level data.
Cumulative Departure Precipitation (CDP) represents the running total of monthly differences from the average over the period. Downward trending sections typically indicate drier periods with lowered recharge, while upward trending segments indicate wetter than average periods with greater recharge.

◇ Chloride Concentration

Well Summary - 26N/02E-33B01 (PA Aquifer)

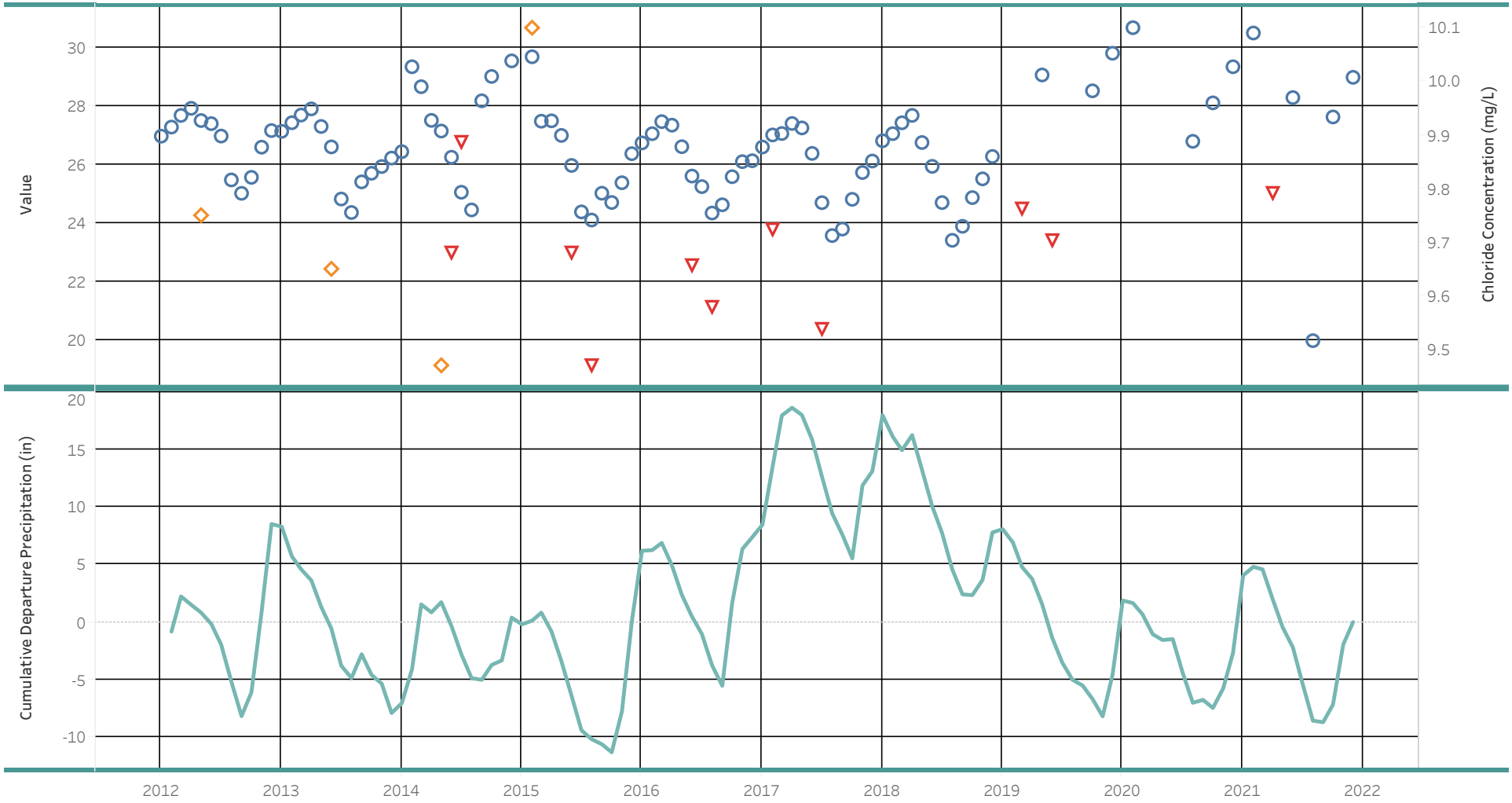


This chart displays a summary of water level data presented as a monthly average.
Static water level data for 26N/02E-33B01 spans 10 years, which included a maximum data collection gap (in months) of: 5.9. Estimated static water level trend is -0.11 (ft/year).
Water level trend calculations are based on an ordinary least squares (OLS) fit to the monthly average of all static water level data.
Cumulative Departure Precipitation (CDP) represents the running total of monthly differences from the average over the period. Downward trending sections typically indicate drier periods with lowered recharge, while upward trending segments indicate wetter than average periods with greater recharge.

Water Level Measurement Status

○ Static Water Level

Well Summary - 26N/02E-33B03 (FBA Aquifer)

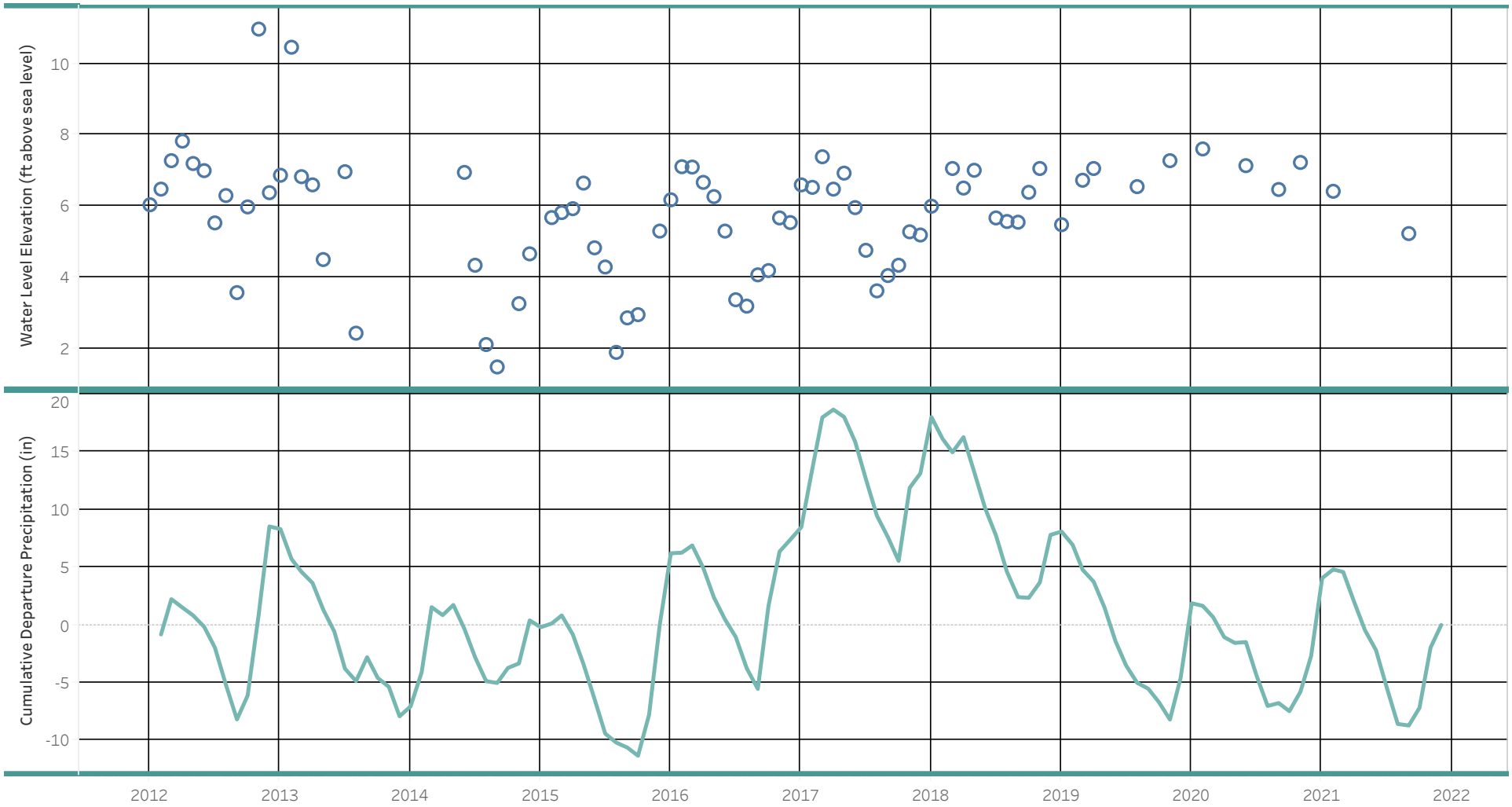


This chart displays a summary of water level data presented as a monthly average.
Static water level data for 26N/02E-33B03 spans 10 years, which included a maximum data collection gap (in months) of: 6.0. Estimated static water level trend is 0.02 (ft/year).
Water level trend calculations are based on an ordinary least squares (OLS) fit to the monthly average of all static water level data.
Cumulative Departure Precipitation (CDP) represents the running total of monthly differences from the average over the period. Downward trending sections typically indicate drier periods with lowered recharge, while upward trending segments indicate wetter than average periods with greater recharge.

Water Level Measurement Status
- ○ Static Water Level
- ▽ Water level influenced by pumping

Chloride Results
- ◇ Chloride Concentration

Well Summary - 26N/02E-33E02 (SLA Aquifer)

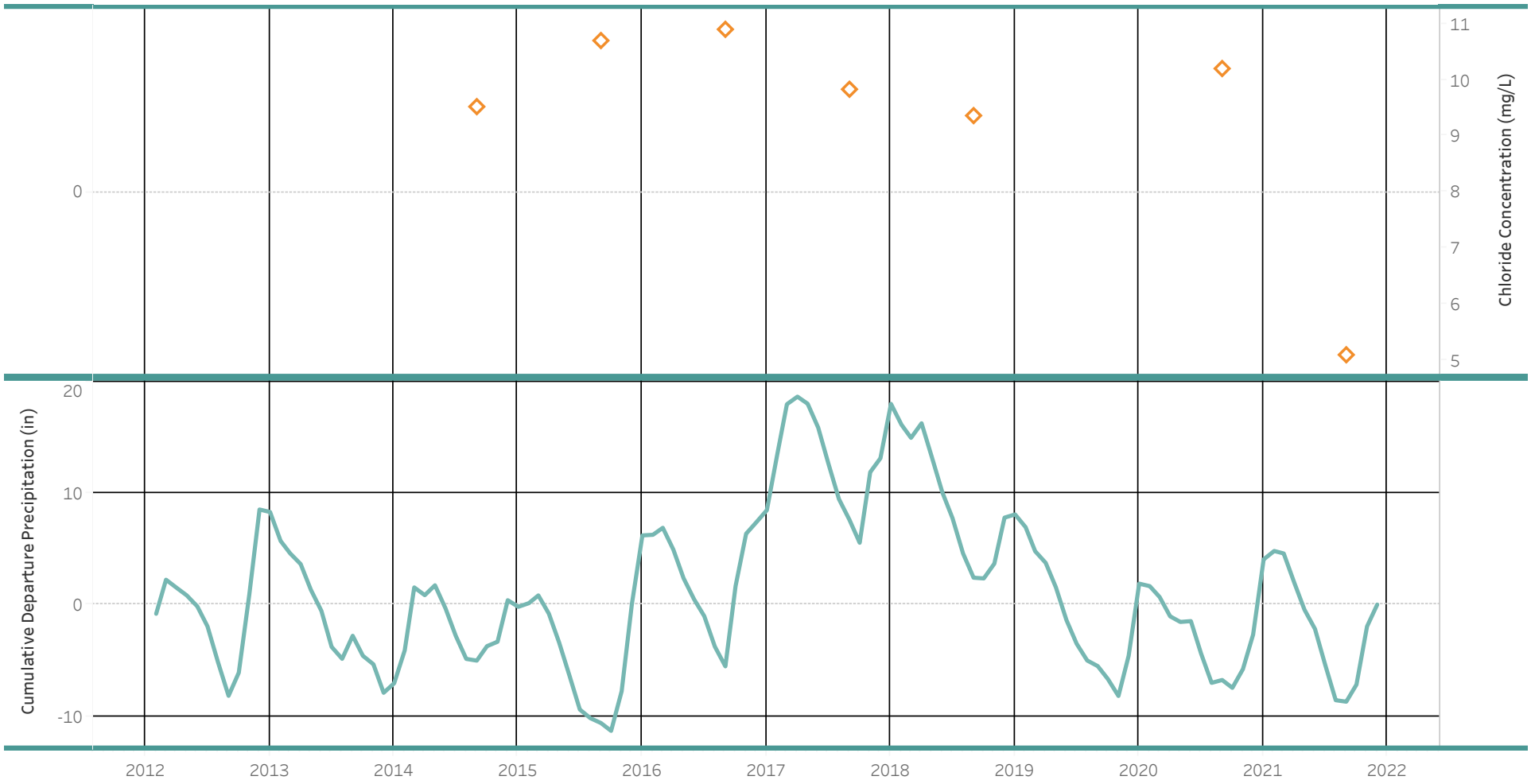


This chart displays a summary of water level data presented as a monthly average.
Static water level data for 26N/02E-33E02 spans 10 years, which included a maximum data collection gap (in months) of: 10.2. Estimated static water level trend is 0.01 (ft/year).
Water level trend calculations are based on an ordinary least squares (OLS) fit to the monthly average of all static water level data.
Cumulative Departure Precipitation (CDP) represents the running total of monthly differences from the average over the period. Downward trending sections typically indicate drier periods with lowered recharge, while upward trending segments indicate wetter than average periods with greater recharge.

Water Level Measurement Status

○ Static Water Level

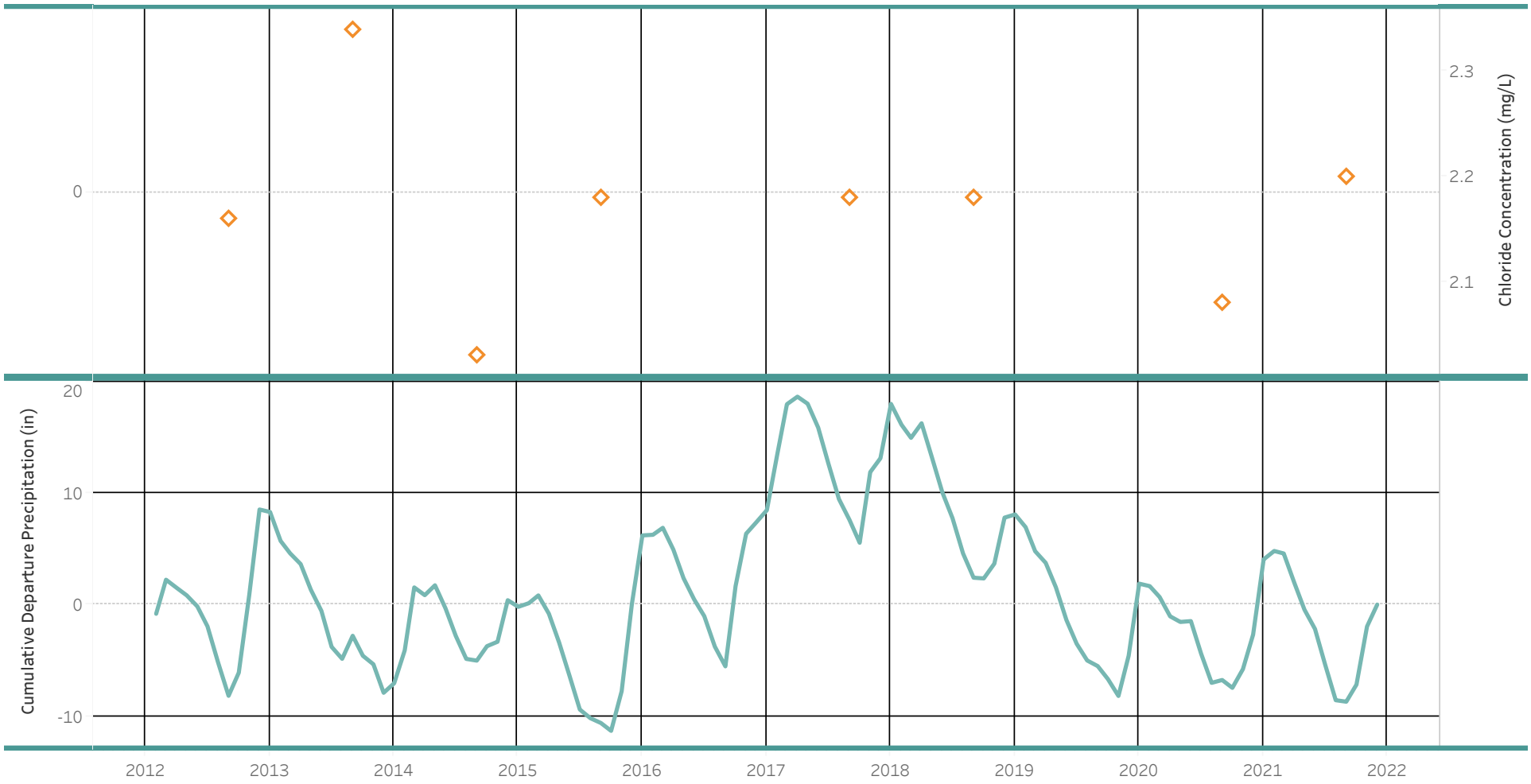
Well Summary - 26N/02E-33E03 (FBA Aquifer)



This chart displays a summary of water level data presented as a monthly average.
Static water level data for 26N/02E-33E03 are not available, including a maximum data collection gap (in months) of: None. No early warning level assessment applied due to insufficient data (at least 8 years of data required). None available.
Water level trend calculations are based on an ordinary least squares (OLS) fit to the monthly average of all static water level data.
Cumulative Departure Precipitation (CDP) represents the running total of monthly differences from the average over the period. Downward trending sections typically indicate drier periods with lowered recharge, while upward trending segments indicate wetter than average periods with greater recharge.

◇ Chloride Concentration

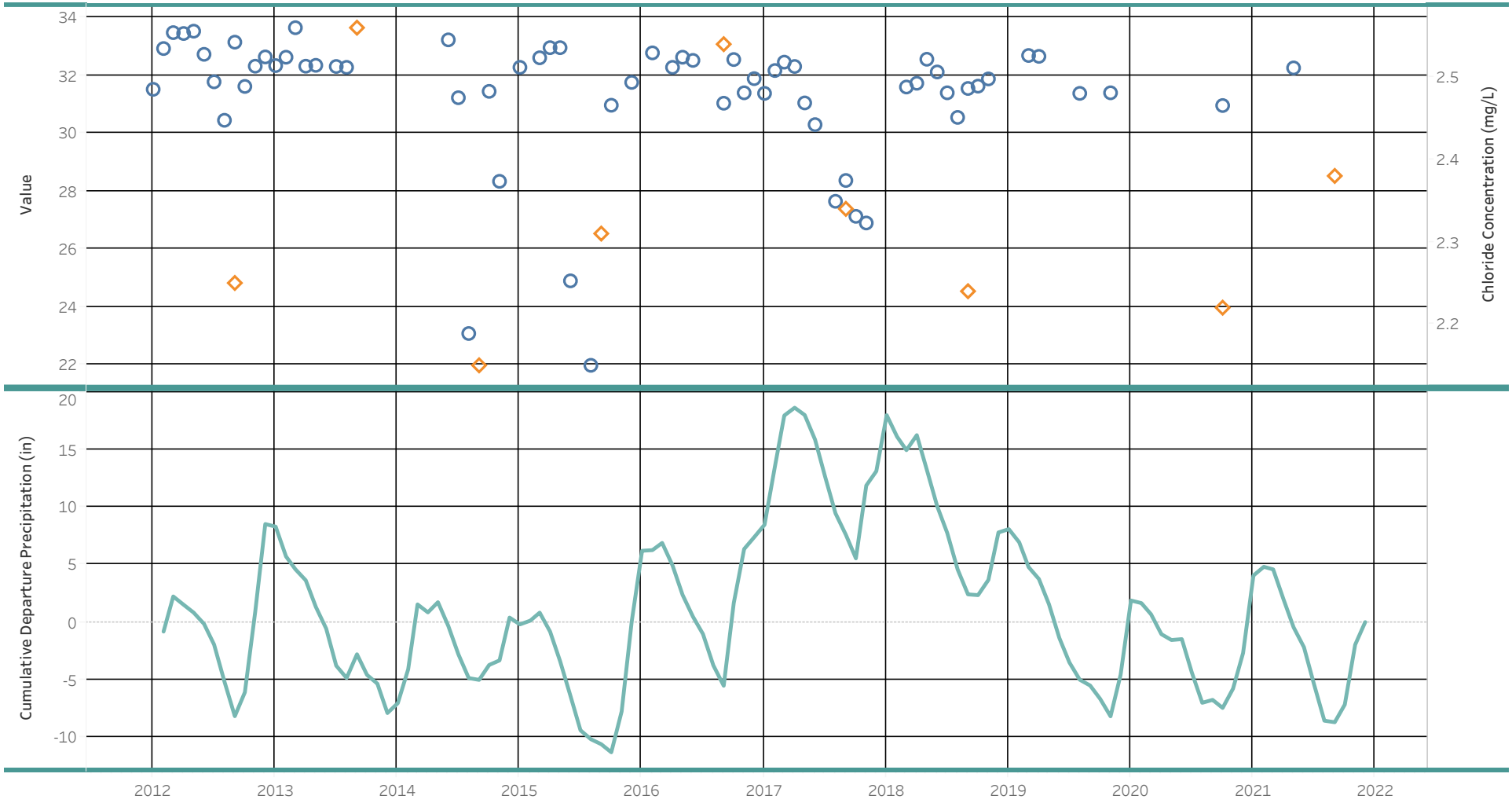
Well Summary - 26N/02E-34E04 (SLA Aquifer)



This chart displays a summary of water level data presented as a monthly average.
Static water level data for 26N/02E-34E04 are not available, including a maximum data collection gap (in months) of: None. No early warning level assessment applied due to insufficient data (at least 8 years of data required). None available.
Water level trend calculations are based on an ordinary least squares (OLS) fit to the monthly average of all static water level data.
Cumulative Departure Precipitation (CDP) represents the running total of monthly differences from the average over the period. Downward trending sections typically indicate drier periods with lowered recharge, while upward trending segments indicate wetter than average periods with greater recharge.

◇ Chloride Concentration

Well Summary - 26N/02E-34R01 (SLA Aquifer)

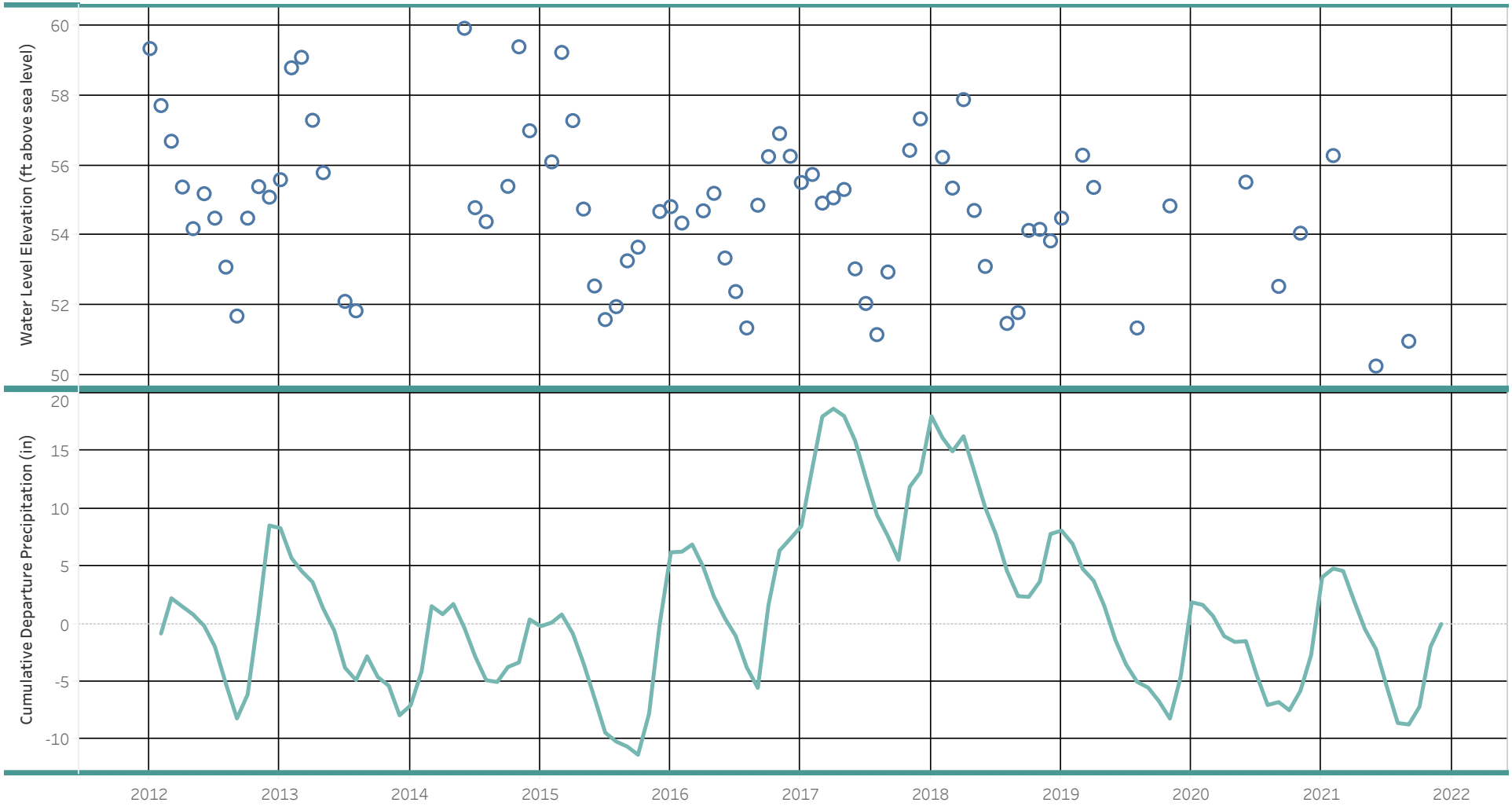


This chart displays a summary of water level data presented as a monthly average.
Static water level data for 26N/02E-34R01 spans 9 years, which included a maximum data collection gap (in months) of: 10.5. Estimated static water level trend is -0.15 (ft/year).
Water level trend calculations are based on an ordinary least squares (OLS) fit to the monthly average of all static water level data.
Cumulative Departure Precipitation (CDP) represents the running total of monthly differences from the average over the period. Downward trending sections typically indicate drier periods with lowered recharge, while upward trending segments indicate wetter than average periods with greater recharge.

Water Level Measurement Status
○ Static Water Level

Chloride Results
◇ Chloride Concentration

Well Summary - Bainbridge Island Landfill (SLA Aquifer)

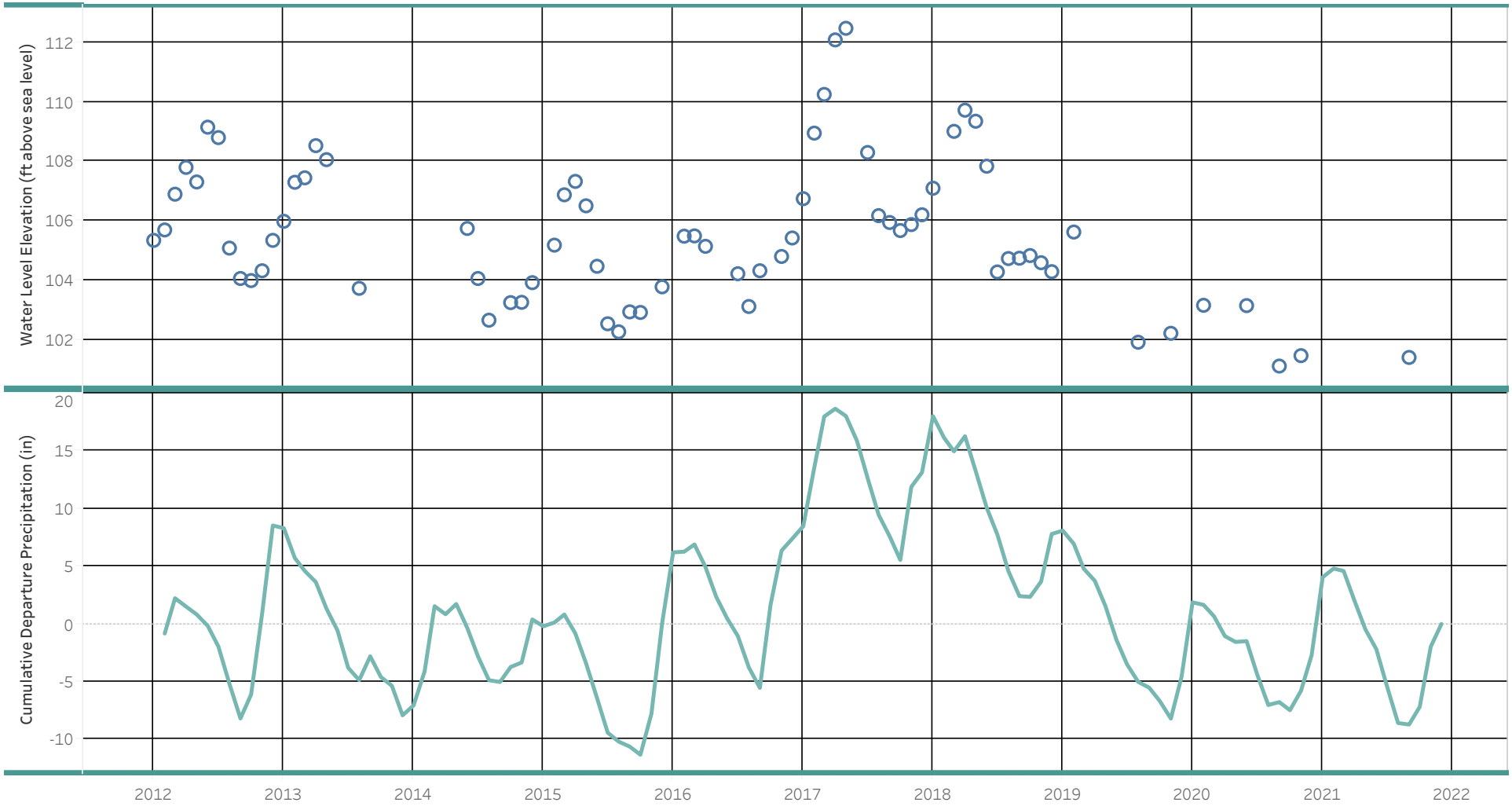


This chart displays a summary of water level data presented as a monthly average.
Static water level data for Bainbridge Island Landfill spans 10 years, which included a maximum data collection gap (in months) of: 10.3. Estimated static water level trend is -0.27 (ft/year).
Water level trend calculations are based on an ordinary least squares (OLS) fit to the monthly average of all static water level data.
Cumulative Departure Precipitation (CDP) represents the running total of monthly differences from the average over the period. Downward trending sections typically indicate drier periods with lowered recharge, while upward trending segments indicate wetter than average periods with greater recharge.

Water Level Measurement Status

○ Static Water Level

Well Summary - Casey Street Water System (PA Aquifer)

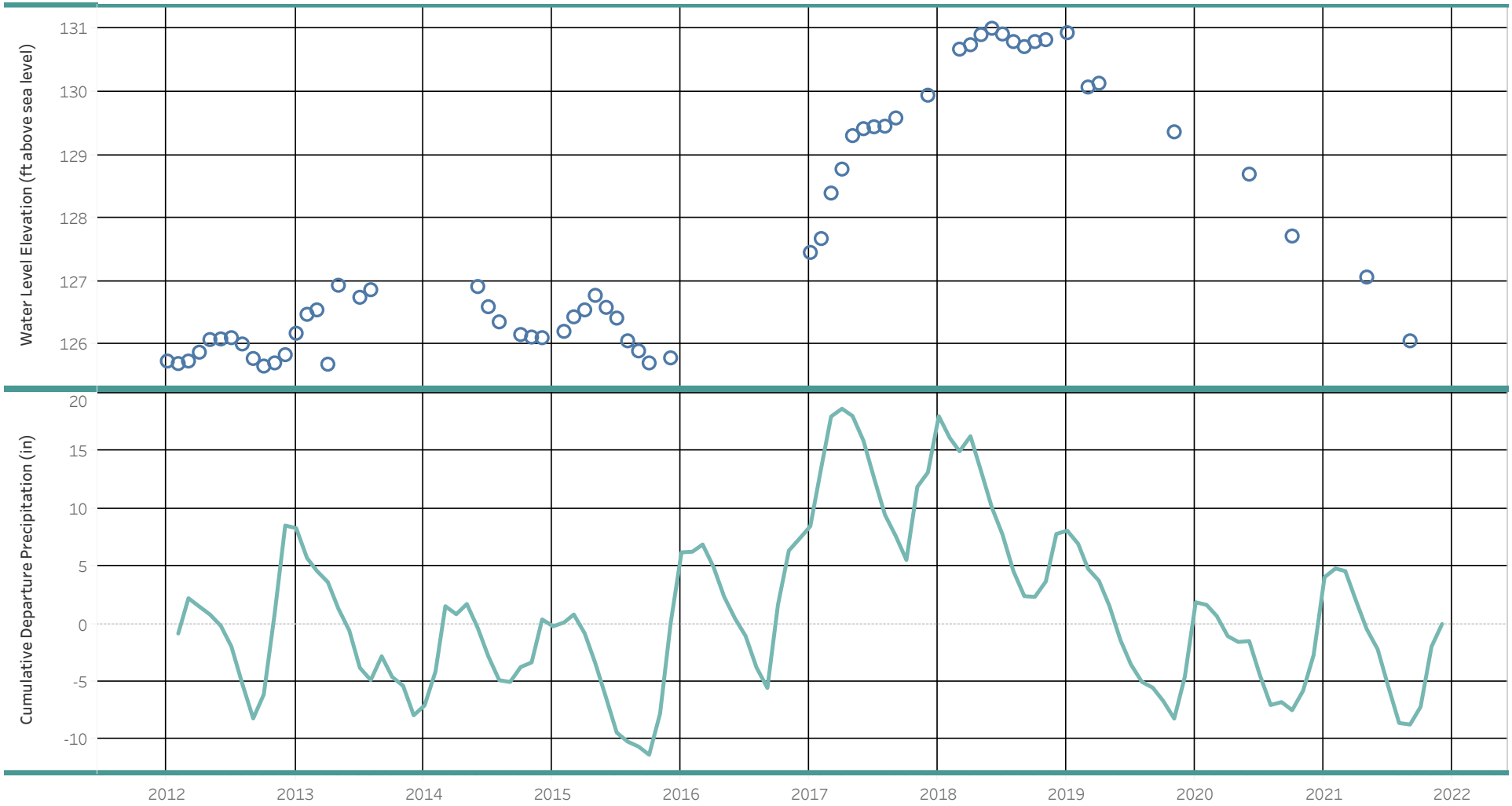


This chart displays a summary of water level data presented as a monthly average.
Static water level data for Casey Street Water System spans 10 years, which included a maximum data collection gap (in months) of: 10.3. Estimated static water level trend is -0.2 (ft/year).
Water level trend calculations are based on an ordinary least squares (OLS) fit to the monthly average of all static water level data.
Cumulative Departure Precipitation (CDP) represents the running total of monthly differences from the average over the period. Downward trending sections typically indicate drier periods with lowered recharge, while upward trending segments indicate wetter than average periods with greater recharge.

Water Level Measurement Status

○ Static Water Level

Well Summary - Eagledale Park (SPA Aquifer)

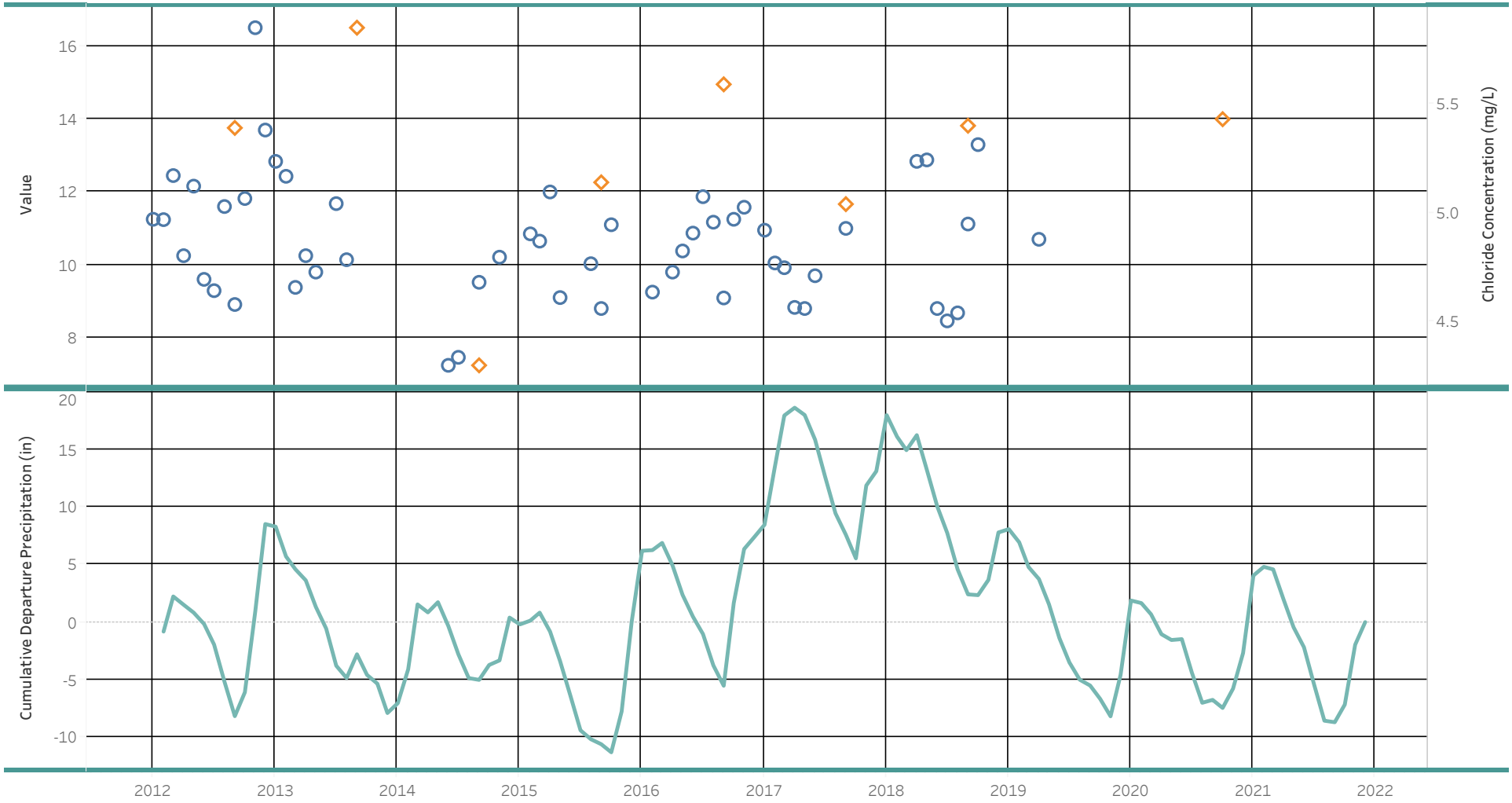


This chart displays a summary of water level data presented as a monthly average.
Static water level data for Eagledale Park spans 10 years, which included a maximum data collection gap (in months) of: 13.7. Estimated static water level trend is 0.52 (ft/year).
Water level trend calculations are based on an ordinary least squares (OLS) fit to the monthly average of all static water level data.
Cumulative Departure Precipitation (CDP) represents the running total of monthly differences from the average over the period. Downward trending sections typically indicate drier periods with lowered recharge, while upward trending segments indicate wetter than average periods with greater recharge.

Water Level Measurement Status

○ Static Water Level

Well Summary - EPA/Wyckoff (GMA Aquifer)

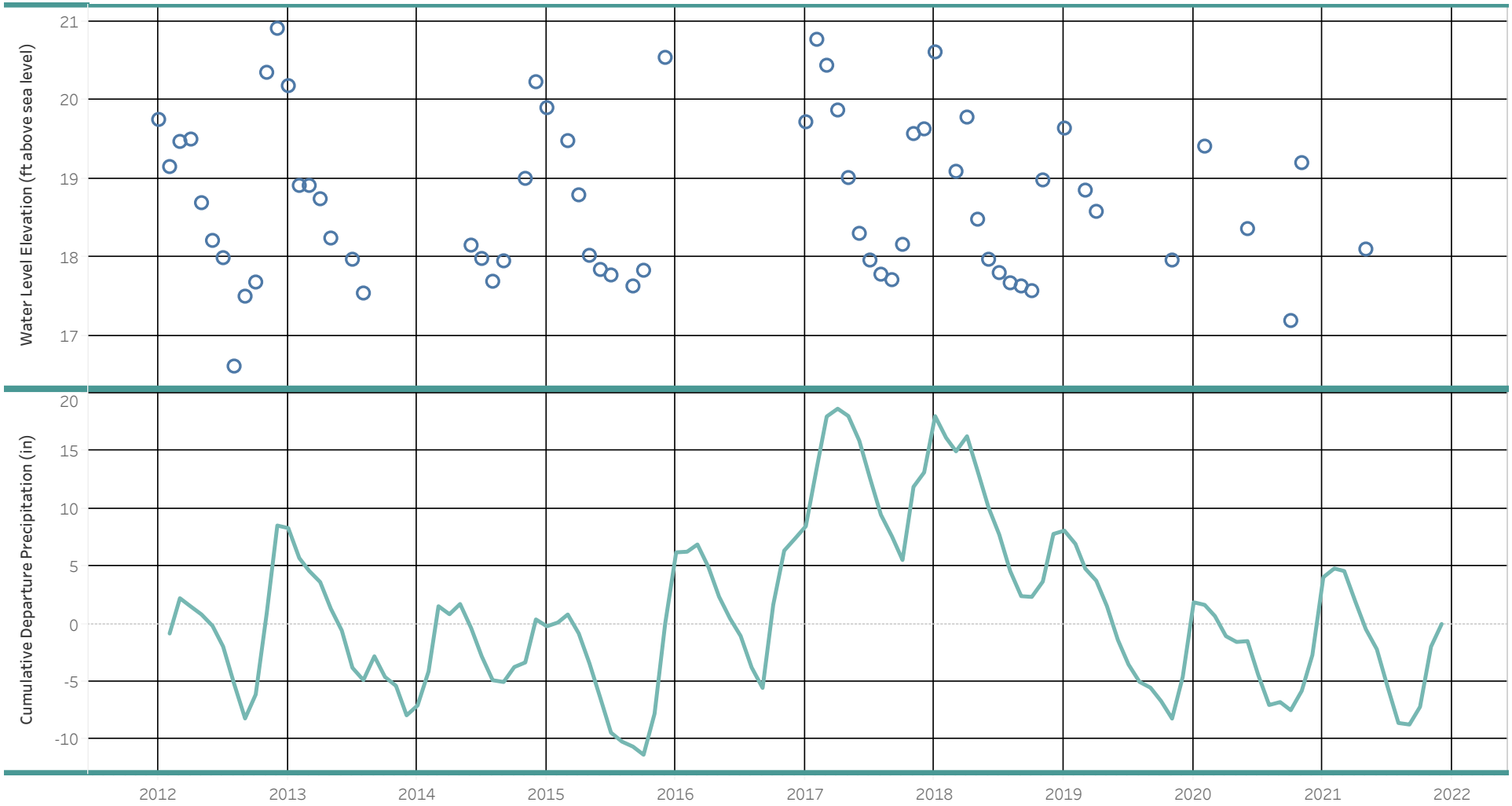


This chart displays a summary of water level data presented as a monthly average.
Static water level data for EPA/Wyckoff spans 7 years, which included a maximum data collection gap (in months) of: 10.4. No early warning level assessment applied due to insufficient data (at least 8 years of data required). 7 years of data available.
Water level trend calculations are based on an ordinary least squares (OLS) fit to the monthly average of all static water level data.
Cumulative Departure Precipitation (CDP) represents the running total of monthly differences from the average over the period. Downward trending sections typically indicate drier periods with lowered recharge, while upward trending segments indicate wetter than average periods with greater recharge.

Water Level Measurement Status
○ Static Water Level

Chloride Results
◇ Chloride Concentration

Well Summary - Fay Bainbridge Park (SLA Aquifer)

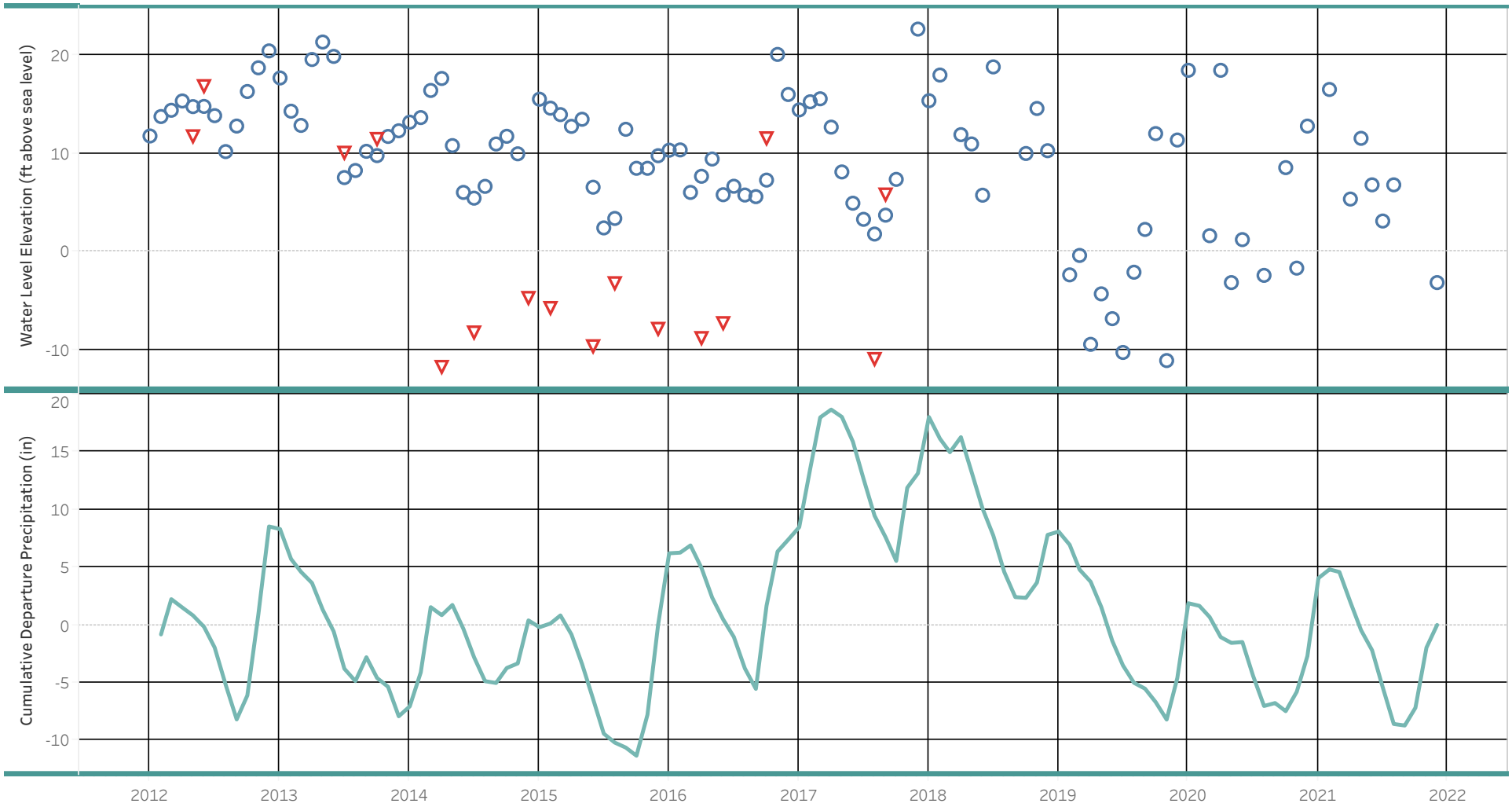


This chart displays a summary of water level data presented as a monthly average.
Static water level data for Fay Bainbridge Park spans 9 years, which included a maximum data collection gap (in months) of: 13.3. Estimated static water level trend is -0.02 (ft/year).
Water level trend calculations are based on an ordinary least squares (OLS) fit to the monthly average of all static water level data.
Cumulative Departure Precipitation (CDP) represents the running total of monthly differences from the average over the period. Downward trending sections typically indicate drier periods with lowered recharge, while upward trending segments indicate wetter than average periods with greater recharge.

Water Level Measurement Status

○ Static Water Level

Well Summary - Fletcher Bay Observation Well (FBA Aquifer)

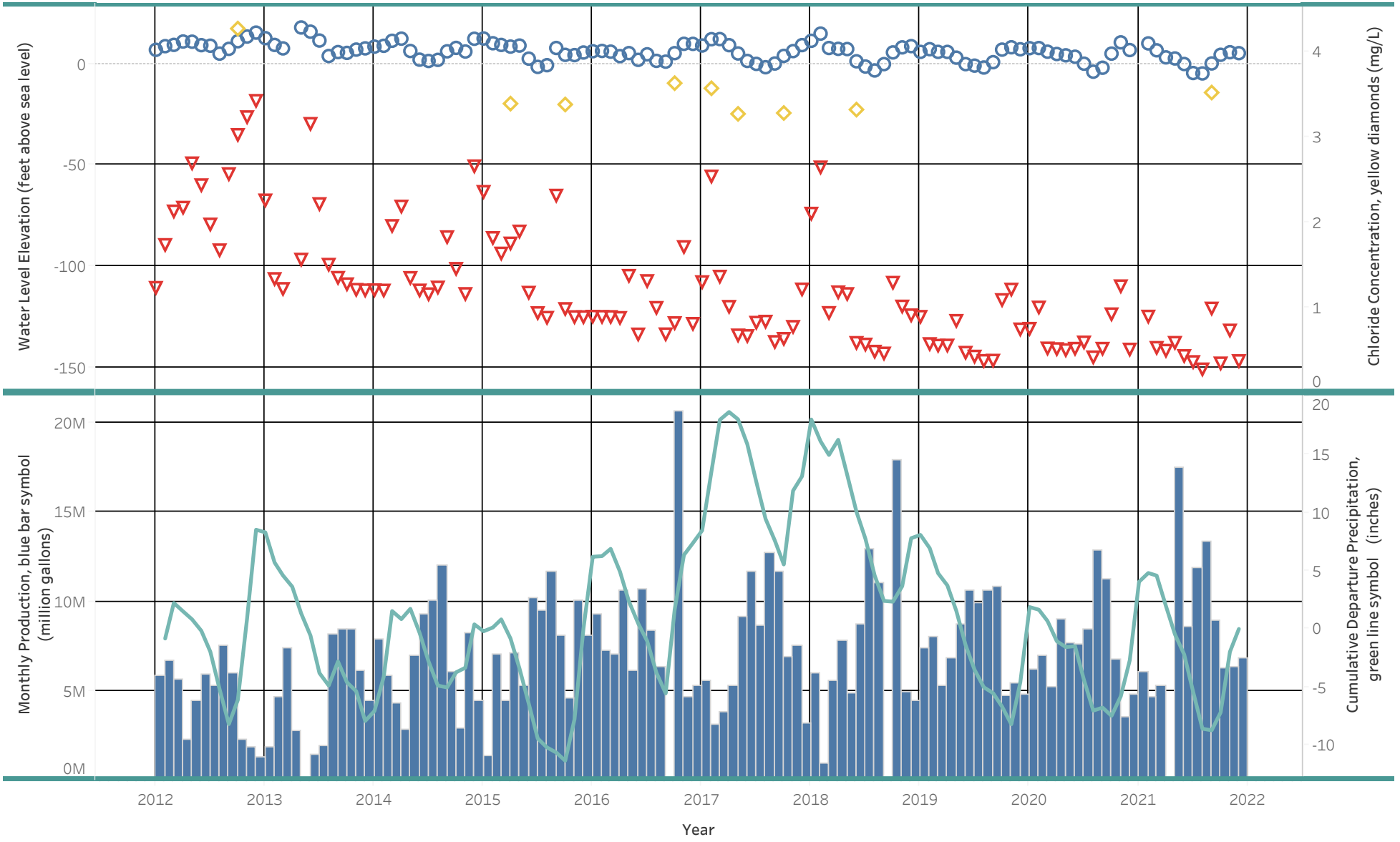


This chart displays a summary of water level data presented as a monthly average.
Static water level data for Fletcher Bay Observation Well spans 10 years, which included a maximum data collection gap (in months) of: 3.8. Estimated static water level trend is -1.22 (ft/year).
Water level trend calculations are based on an ordinary least squares (OLS) fit to the monthly average of all static water level data.
Cumulative Departure Precipitation (CDP) represents the running total of monthly differences from the average over the period. Downward trending sections typically indicate drier periods with lowered recharge, while upward trending segments indicate wetter than average periods with greater recharge.

Water Level Measurement Status

- ○ Static Water Level
- ▽ Water level influenced by pumping

Well Summary - Fletcher Bay PW (FBA Aquifer)



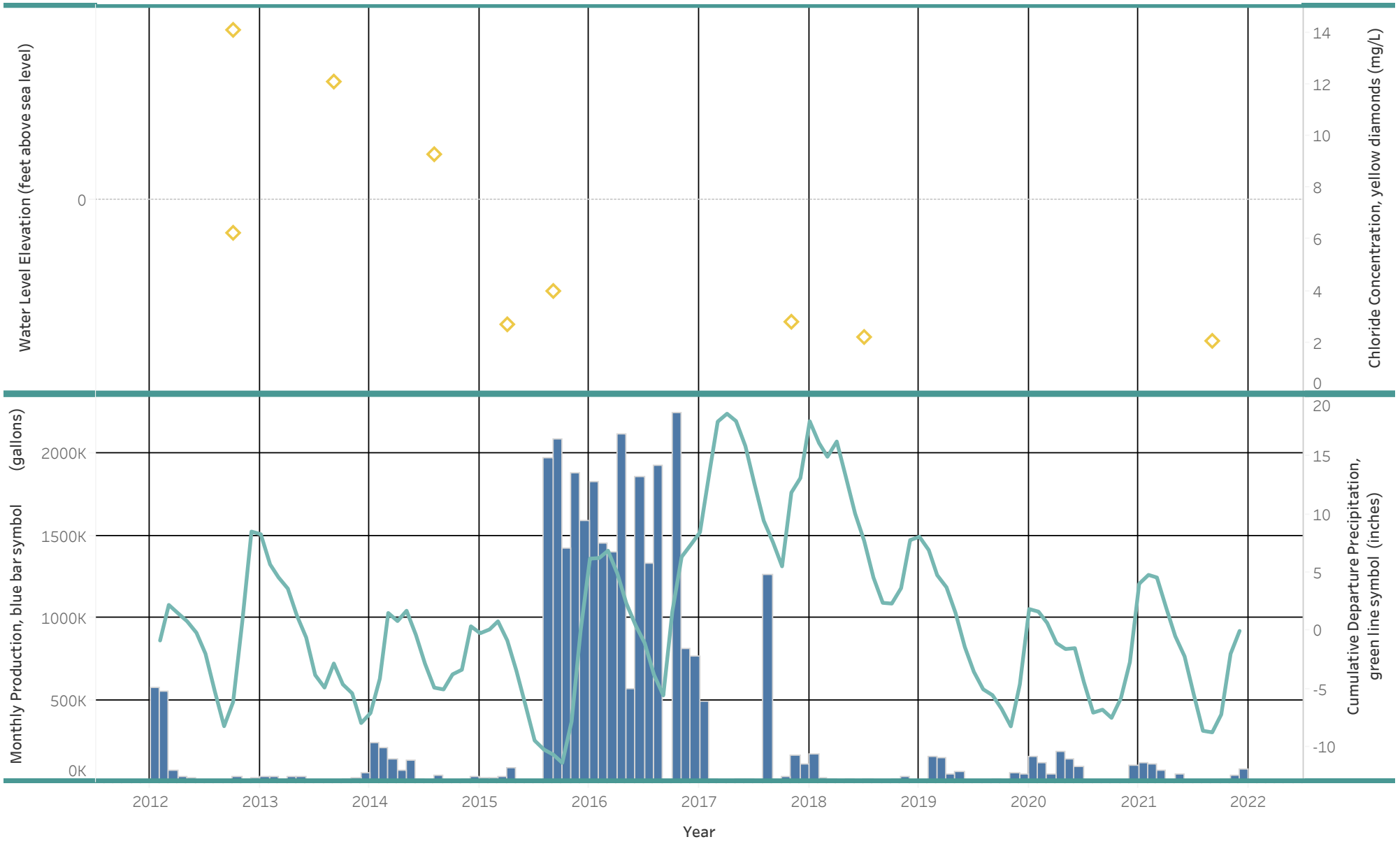
This chart displays a summary of water level data presented as a monthly average.
Static water level data for Fletcher Bay PW spans 10 years, which included a maximum data collection gap (in months) of: 2.6. Estimated static water level trend is -0.73 (ft/year).
Water level trend calculations are based on an ordinary least squares (OLS) fit to the monthly average of all static water level data.
Cumulative Departure Precipitation (CDP) represents the running total of monthly differences from the average over the period. Downward trending sections typically indicate drier periods with lowered recharge, while upward trending segments indicate wetter than average periods with greater recharge.

Water Level Measurement Status

○ Static Water Level

▽ Water level influenced by pumping

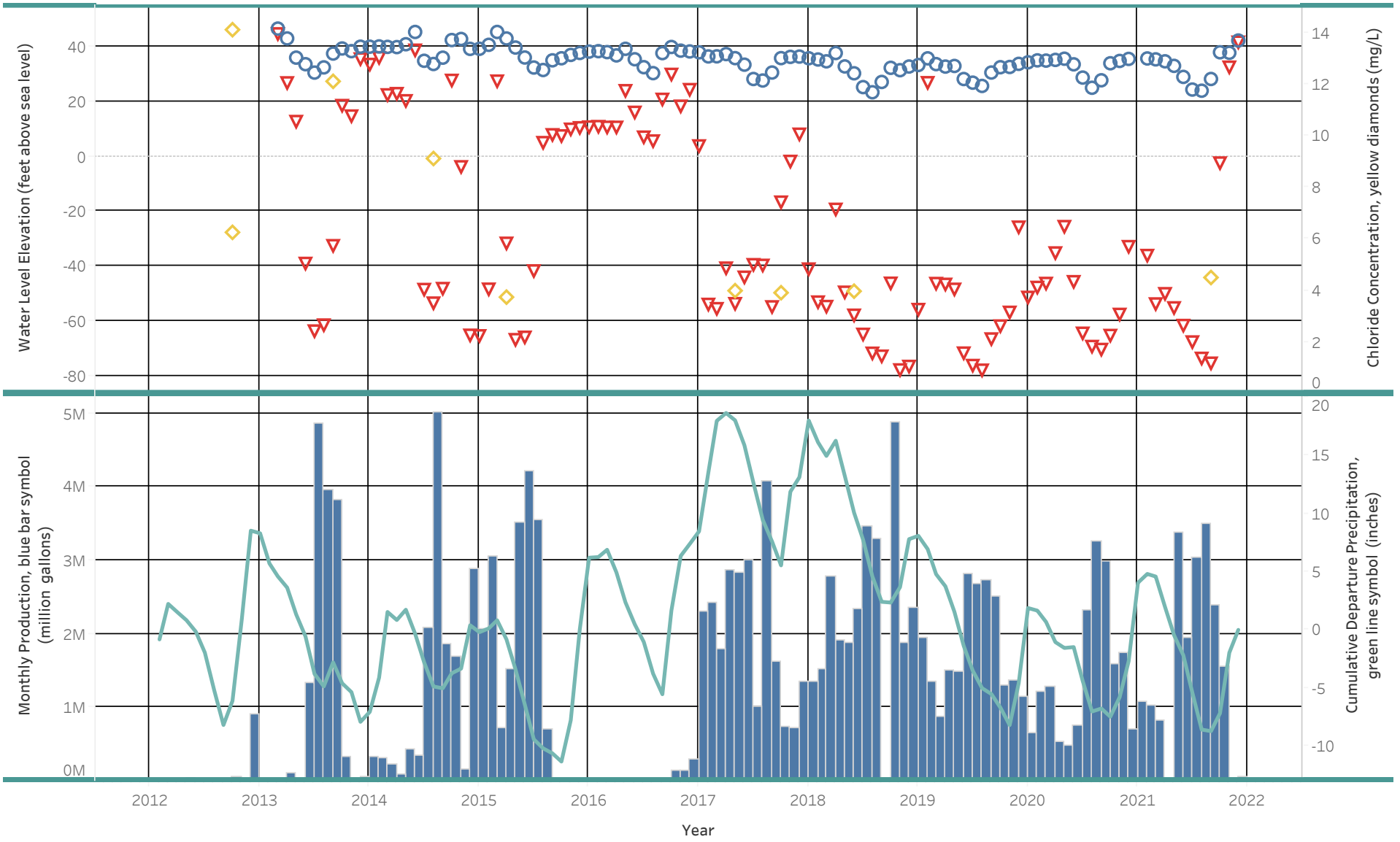
Well Summary - Head of the Bay Well #1A (SLA Aquifer)



This chart displays a summary of water level data presented as a monthly average.
Static water level data for Head of the Bay Well #1A are not available, including a maximum data collection gap (in months) of: None. No early warning level assessment applied due to insufficient data (at least 8 years of data required). None available.
Water level trend calculations are based on an ordinary least squares (OLS) fit to the monthly average of all static water level data.
Cumulative Departure Precipitation (CDP) represents the running total of monthly differences from the average over the period. Downward trending sections typically indicate drier periods with lowered recharge, while upward trending segments indicate wetter than average periods with greater recharge.

Water Level Measurement Status

Well Summary - Head of the Bay Well #2 (SLA Aquifer)

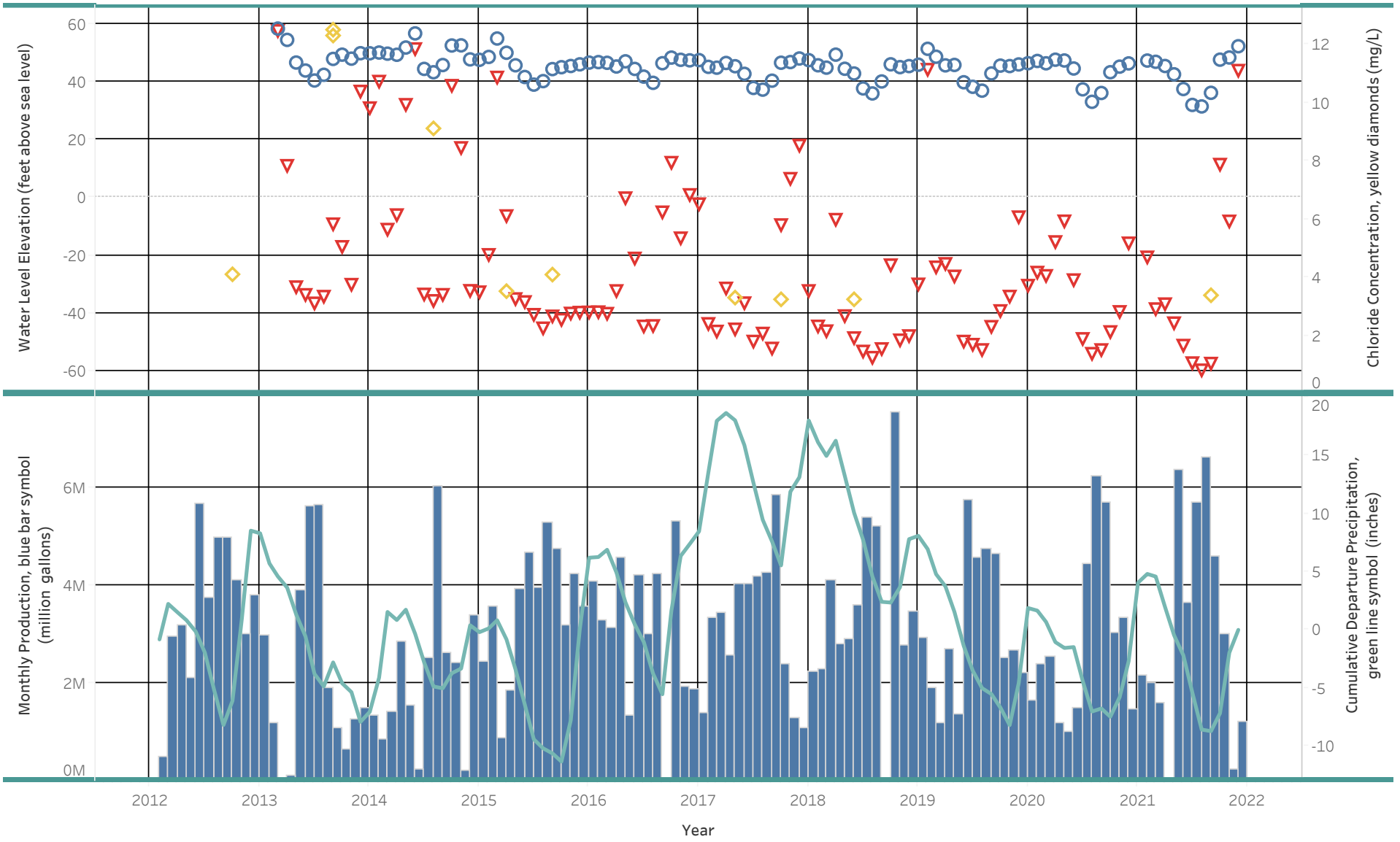


This chart displays a summary of water level data presented as a monthly average.
Static water level data for Head of the Bay Well #2 spans 9 years, which included a maximum data collection gap (in months) of: 2.0. Estimated static water level trend is -1 (ft/year).
Water level trend calculations are based on an ordinary least squares (OLS) fit to the monthly average of all static water level data.
Cumulative Departure Precipitation (CDP) represents the running total of monthly differences from the average over the period. Downward trending sections typically indicate drier periods with lowered recharge, while upward trending segments indicate wetter than average periods with greater recharge.

Water Level Measurement Status

- ○ Static Water Level
- ▽ Water level influenced by pumping

Well Summary - Head of the Bay Well #3 (SLA Aquifer)

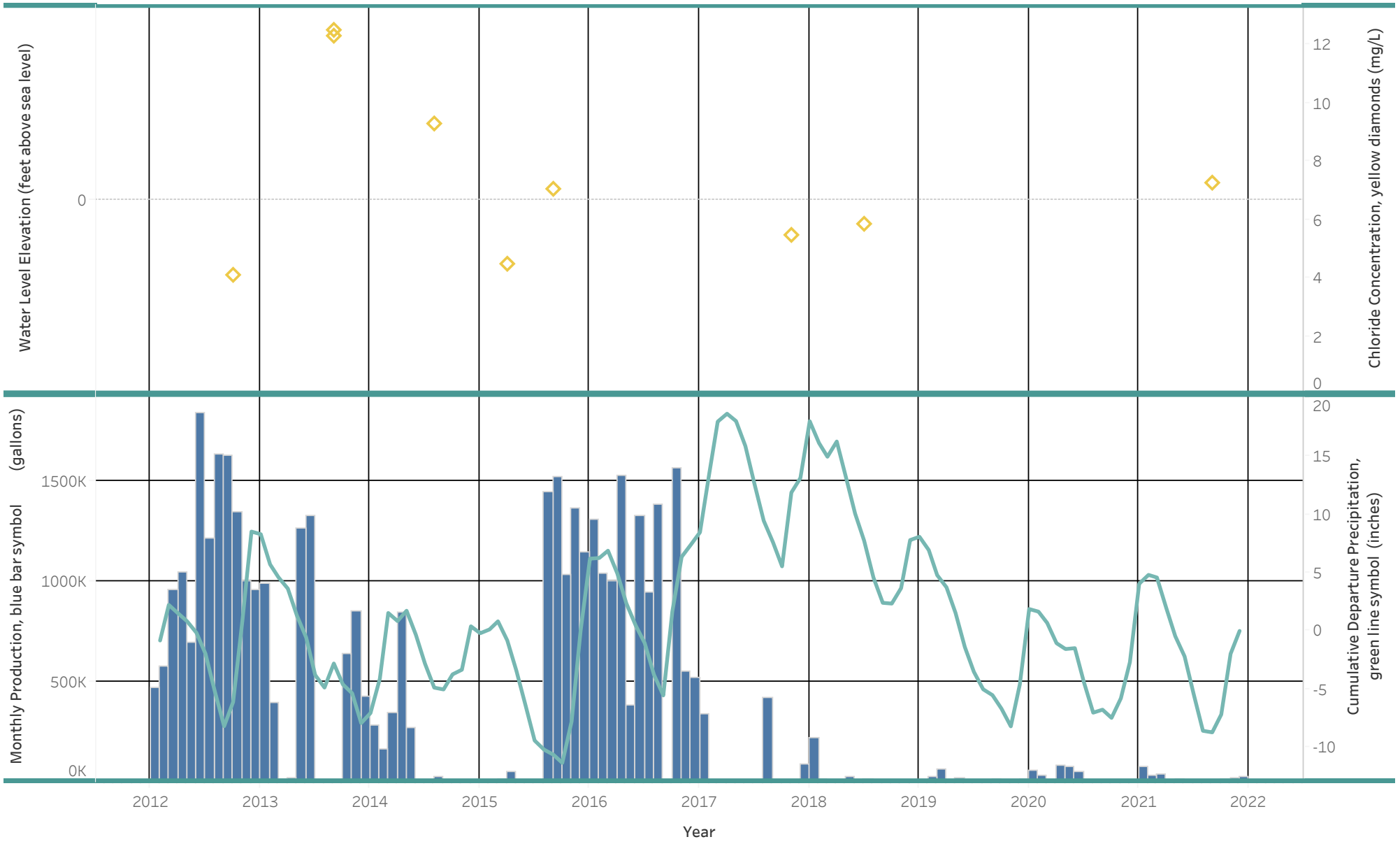


This chart displays a summary of water level data presented as a monthly average.
Static water level data for Head of the Bay Well #3 spans 9 years, which included a maximum data collection gap (in months) of: 2.0. Estimated static water level trend is -0.79 (ft/year).
Water level trend calculations are based on an ordinary least squares (OLS) fit to the monthly average of all static water level data.
Cumulative Departure Precipitation (CDP) represents the running total of monthly differences from the average over the period. Downward trending sections typically indicate drier periods with lowered recharge, while upward trending segments indicate wetter than average periods with greater recharge.

Water Level Measurement Status

- ○ Static Water Level
- ▽ Water level influenced by pumping

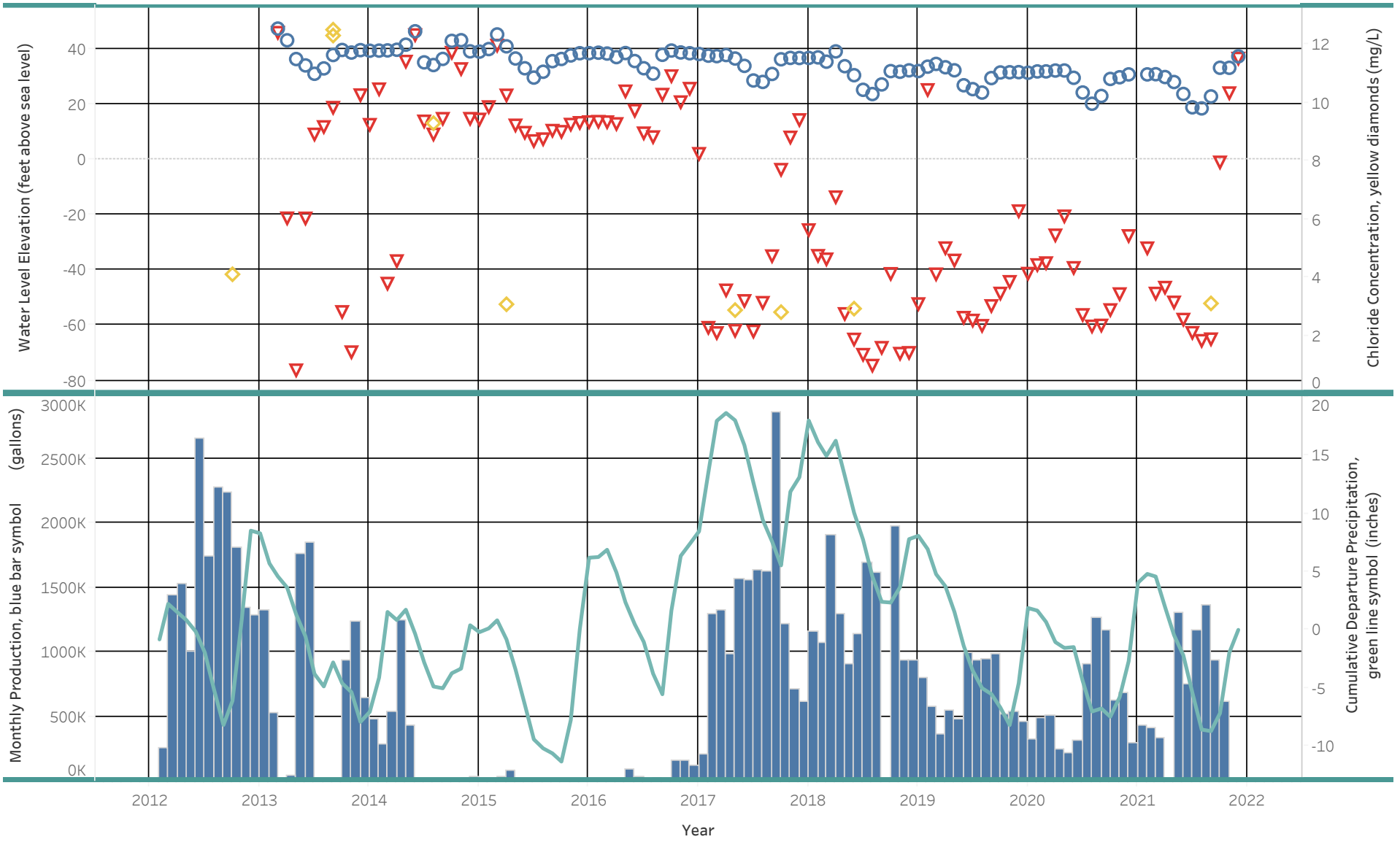
Well Summary - Head of the Bay Well #4 (SLA Aquifer)



This chart displays a summary of water level data presented as a monthly average.
Static water level data for Head of the Bay Well #4 are not available, including a maximum data collection gap (in months) of: None. No early warning level assessment applied due to insufficient data (at least 8 years of data required). None available.
Water level trend calculations are based on an ordinary least squares (OLS) fit to the monthly average of all static water level data.
Cumulative Departure Precipitation (CDP) represents the running total of monthly differences from the average over the period. Downward trending sections typically indicate drier periods with lowered recharge, while upward trending segments indicate wetter than average periods with greater recharge.

Water Level Measurement Status

Well Summary - Head of the Bay Well #5 (SLA Aquifer)

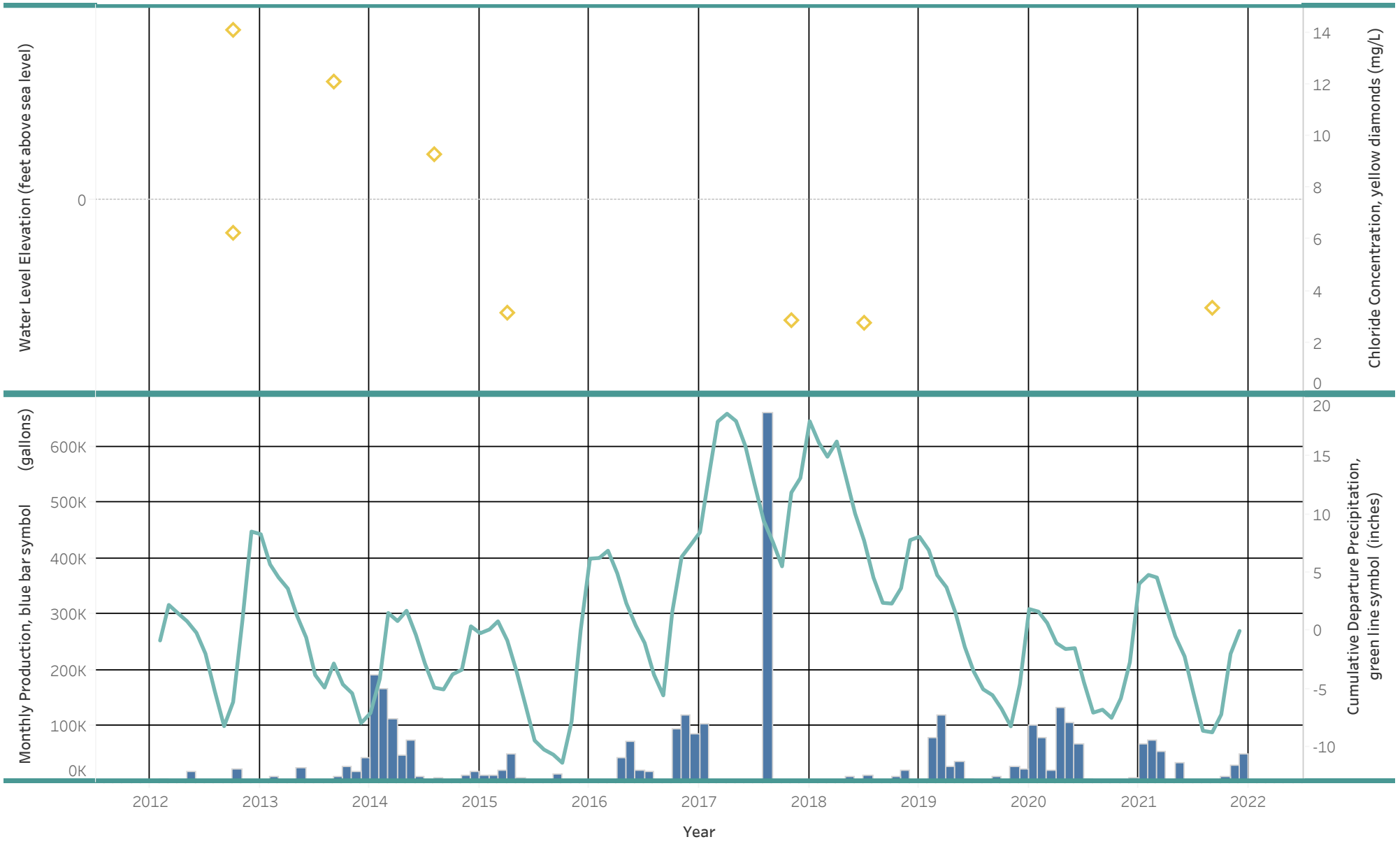


This chart displays a summary of water level data presented as a monthly average.
Static water level data for Head of the Bay Well #5 spans 9 years, which included a maximum data collection gap (in months) of: 2.0. Estimated static water level trend is -1.57 (ft/year).
Water level trend calculations are based on an ordinary least squares (OLS) fit to the monthly average of all static water level data.
Cumulative Departure Precipitation (CDP) represents the running total of monthly differences from the average over the period. Downward trending sections typically indicate drier periods with lowered recharge, while upward trending segments indicate wetter than average periods with greater recharge.

Water Level Measurement Status

- ○ Static Water Level
- ▽ Water level influenced by pumping

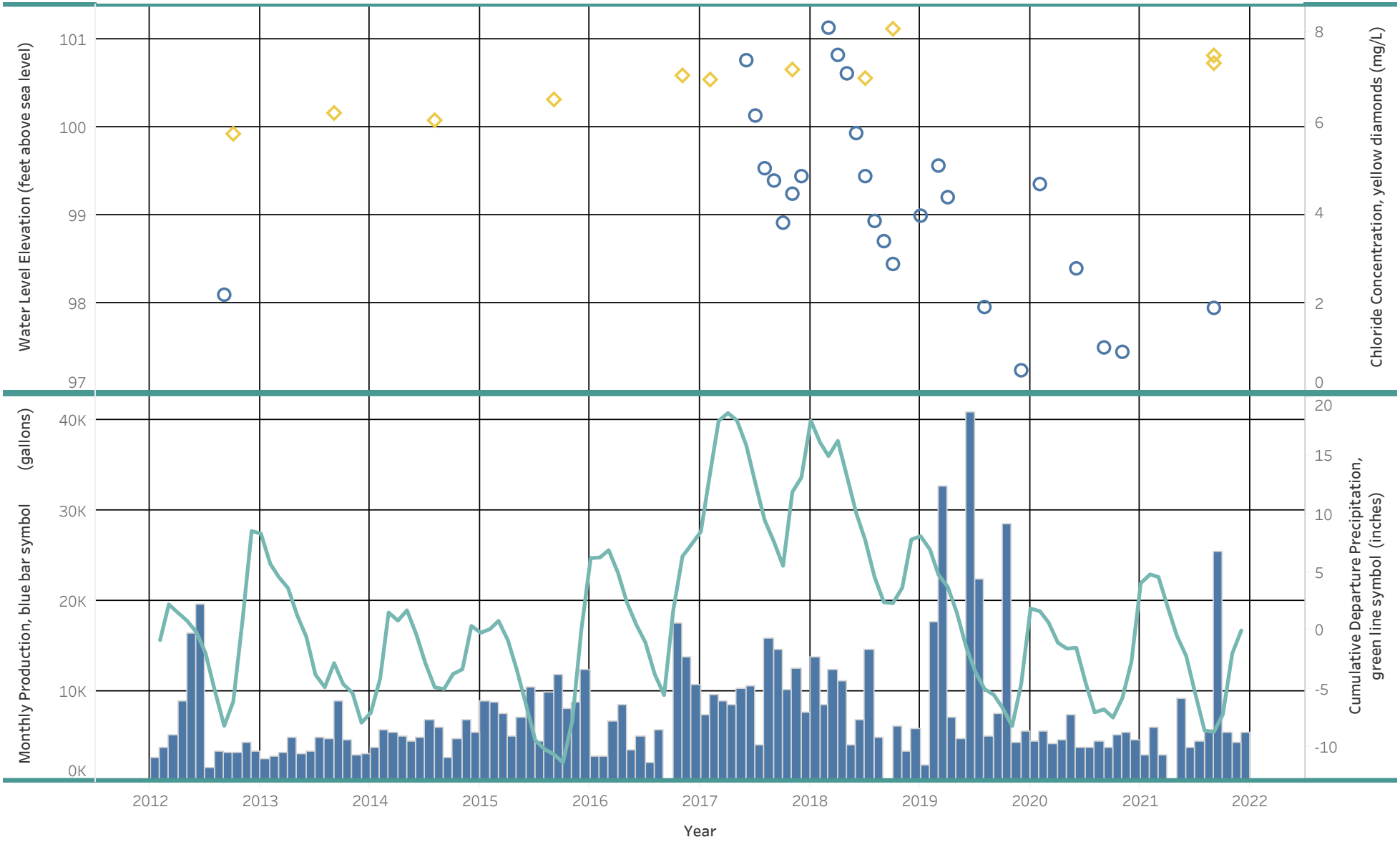
Well Summary - Head of the Bay Well #6 (SLA Aquifer)



This chart displays a summary of water level data presented as a monthly average.
Static water level data for Head of the Bay Well #6 are not available, including a maximum data collection gap (in months) of: None. No early warning level assessment applied due to insufficient data (at least 8 years of data required). None available.
Water level trend calculations are based on an ordinary least squares (OLS) fit to the monthly average of all static water level data.
Cumulative Departure Precipitation (CDP) represents the running total of monthly differences from the average over the period. Downward trending sections typically indicate drier periods with lowered recharge, while upward trending segments indicate wetter than average periods with greater recharge.

Water Level Measurement Status

Well Summary - Hidden Cove Utilities Shop (SPA Aquifer)

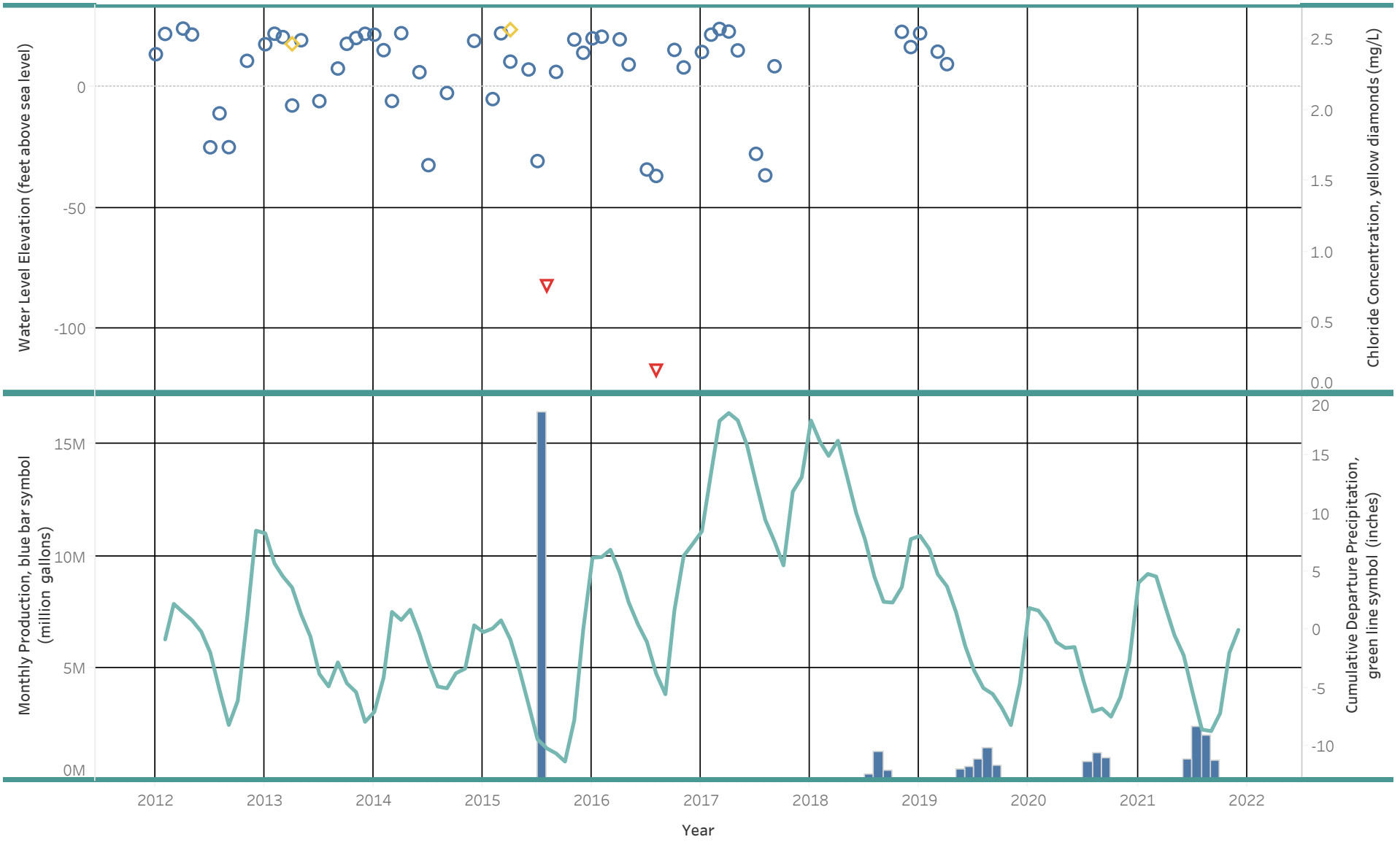


This chart displays a summary of water level data presented as a monthly average.
Static water level data for Hidden Cove Utilities Shop spans 9 years, which included a maximum data collection gap (in months) of: 57.8. Estimated static water level trend is -0.22 (ft/year).
Water level trend calculations are based on an ordinary least squares (OLS) fit to the monthly average of all static water level data.
Cumulative Departure Precipitation (CDP) represents the running total of monthly differences from the average over the period. Downward trending sections typically indicate drier periods with lowered recharge, while upward trending segments indicate wetter than average periods with greater recharge.

Water Level Measurement Status

○ Static Water Level

Well Summary - Island Utilities Well 1 (FBA Aquifer)

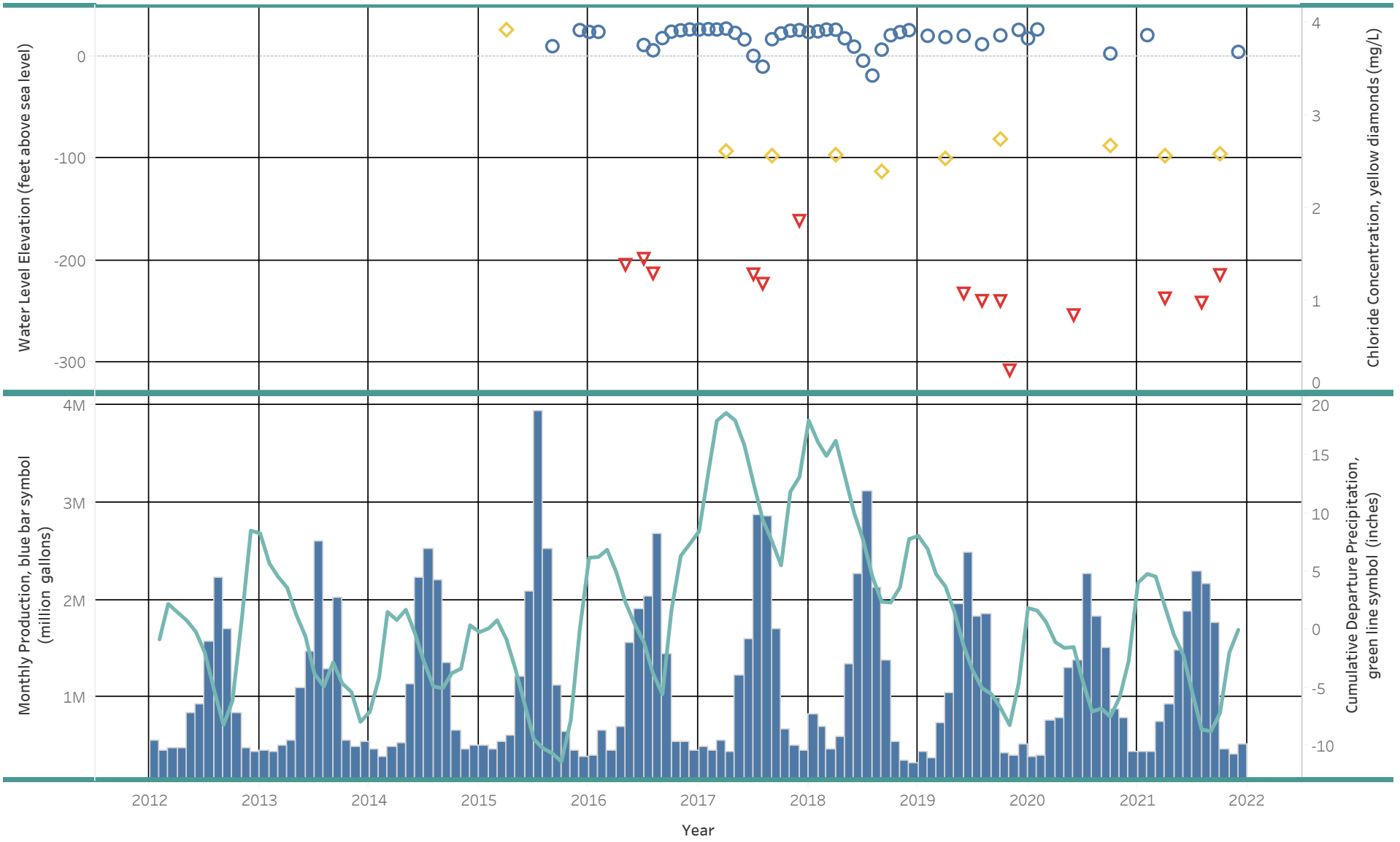


This chart displays a summary of water level data presented as a monthly average.
Static water level data for Island Utilities Well 1 spans 7 years, which included a maximum data collection gap (in months) of: 2.6. No early warning level assessment applied due to insufficient data (at least 8 years of data required). 7 years of data available.
Water level trend calculations are based on an ordinary least squares (OLS) fit to the monthly average of all static water level data.
Cumulative Departure Precipitation (CDP) represents the running total of monthly differences from the average over the period. Downward trending sections typically indicate drier periods with lowered recharge, while upward trending segments indicate wetter than average periods with greater recharge.

Water Level Measurement Status

- ○ Static Water Level
- ▽ Water level influenced by pumping

Well Summary - Island Utilities Well 2 (FBA Aquifer)

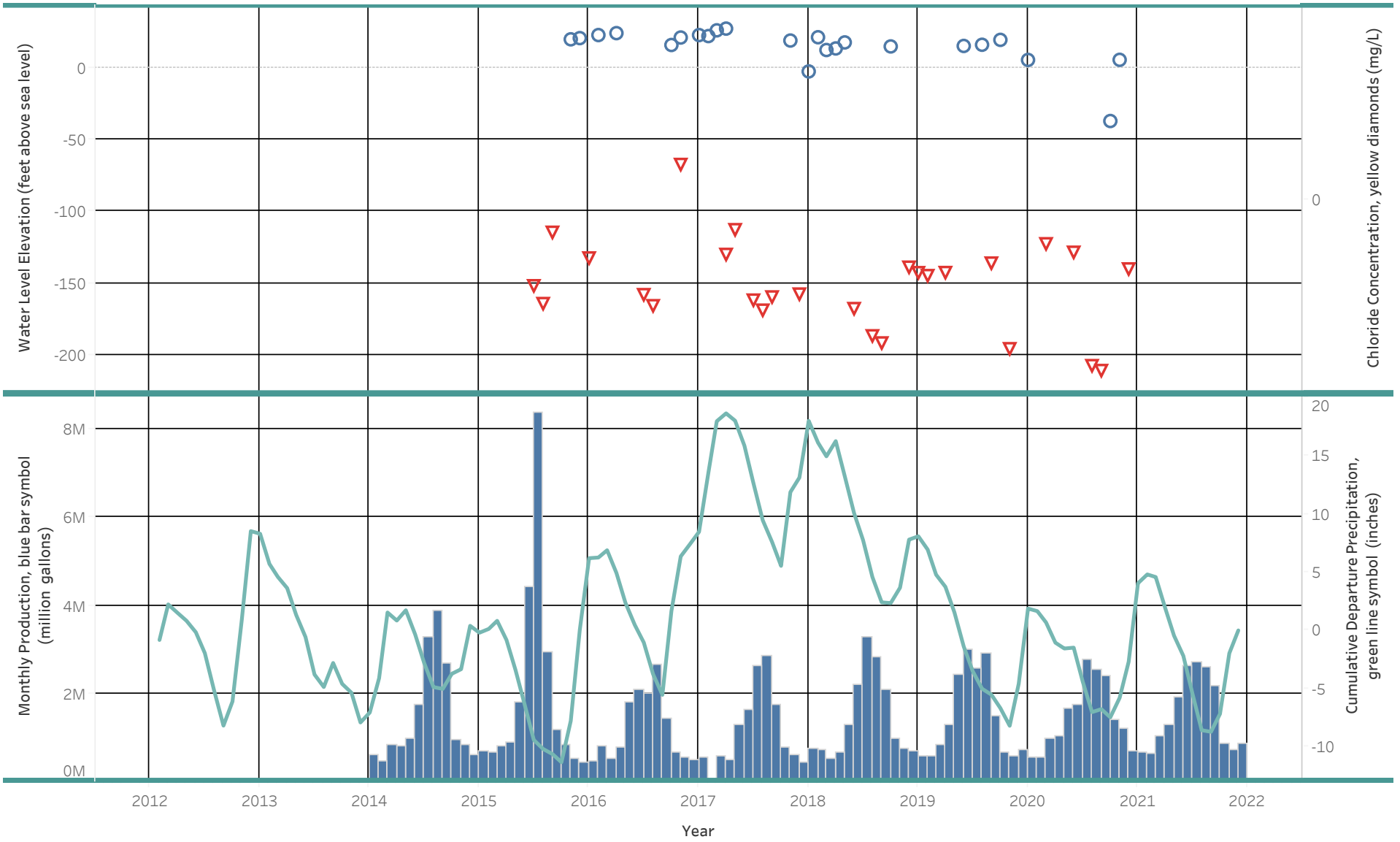


This chart displays a summary of water level data presented as a monthly average.
Static water level data for Island Utilities Well 2 spans 6 years, which included a maximum data collection gap (in months) of: 7.9. No early warning level assessment applied due to insufficient data (at least 8 years of data required). 6 years of data available.
Water level trend calculations are based on an ordinary least squares (OLS) fit to the monthly average of all static water level data.
Cumulative Departure Precipitation (CDP) represents the running total of monthly differences from the average over the period. Downward trending sections typically indicate drier periods with lowered recharge, while upward trending segments indicate wetter than average periods with greater recharge.

Water Level Measurement Status

- ○ Static Water Level
- ▽ Water level influenced by pumping

Well Summary - Island Utilities Well 3 (FBA Aquifer)

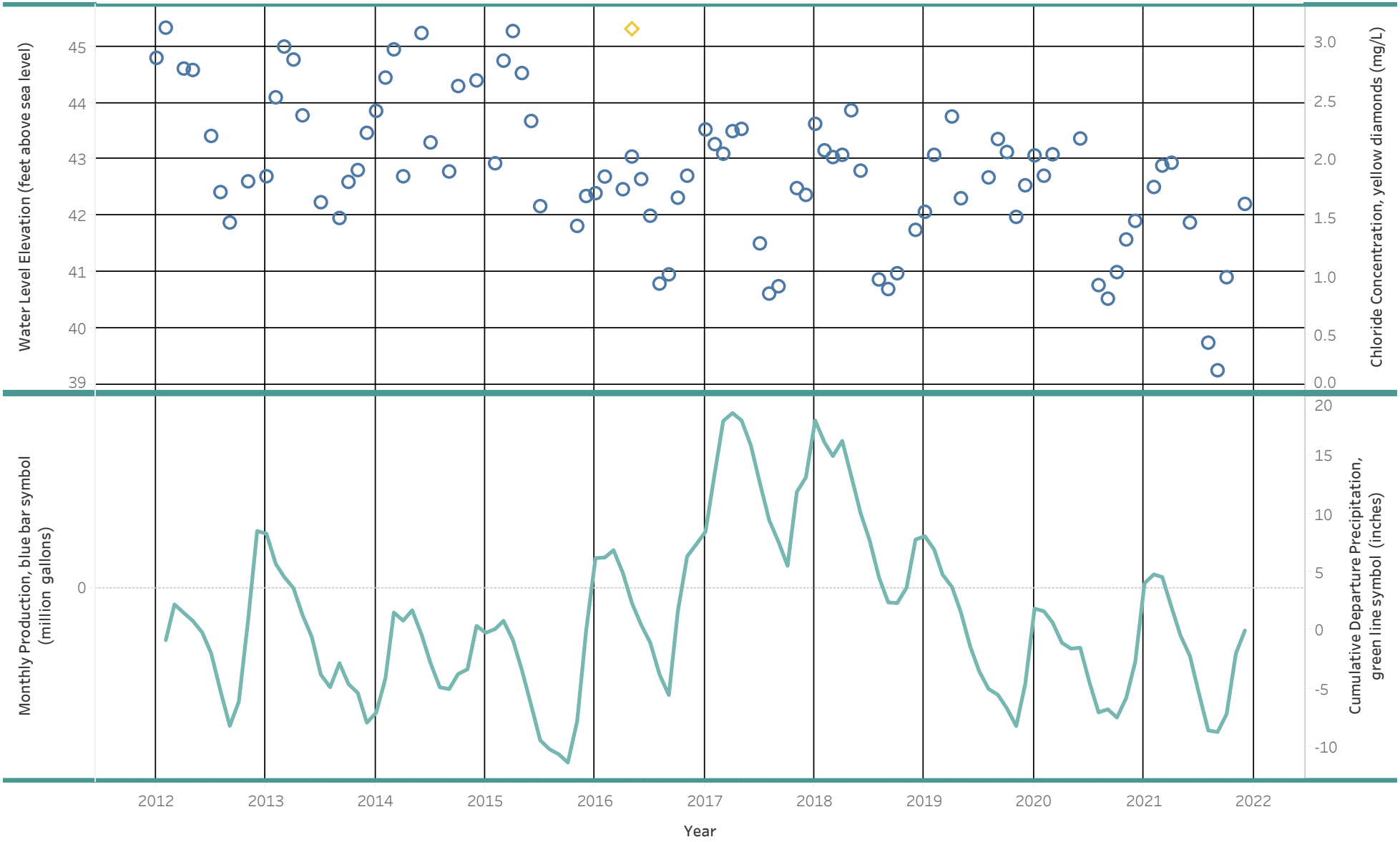


This chart displays a summary of water level data presented as a monthly average.
Static water level data for Island Utilities Well 3 spans 5 years, which included a maximum data collection gap (in months) of: 9.0. No early warning level assessment applied due to insufficient data (at least 8 years of data required). 5 years of data available.
Water level trend calculations are based on an ordinary least squares (OLS) fit to the monthly average of all static water level data.
Cumulative Departure Precipitation (CDP) represents the running total of monthly differences from the average over the period. Downward trending sections typically indicate drier periods with lowered recharge, while upward trending segments indicate wetter than average periods with greater recharge.

Water Level Measurement Status

- ○ Static Water Level
- ▽ Water level influenced by pumping

Well Summary - Island Utilities MW (SLA Aquifer)

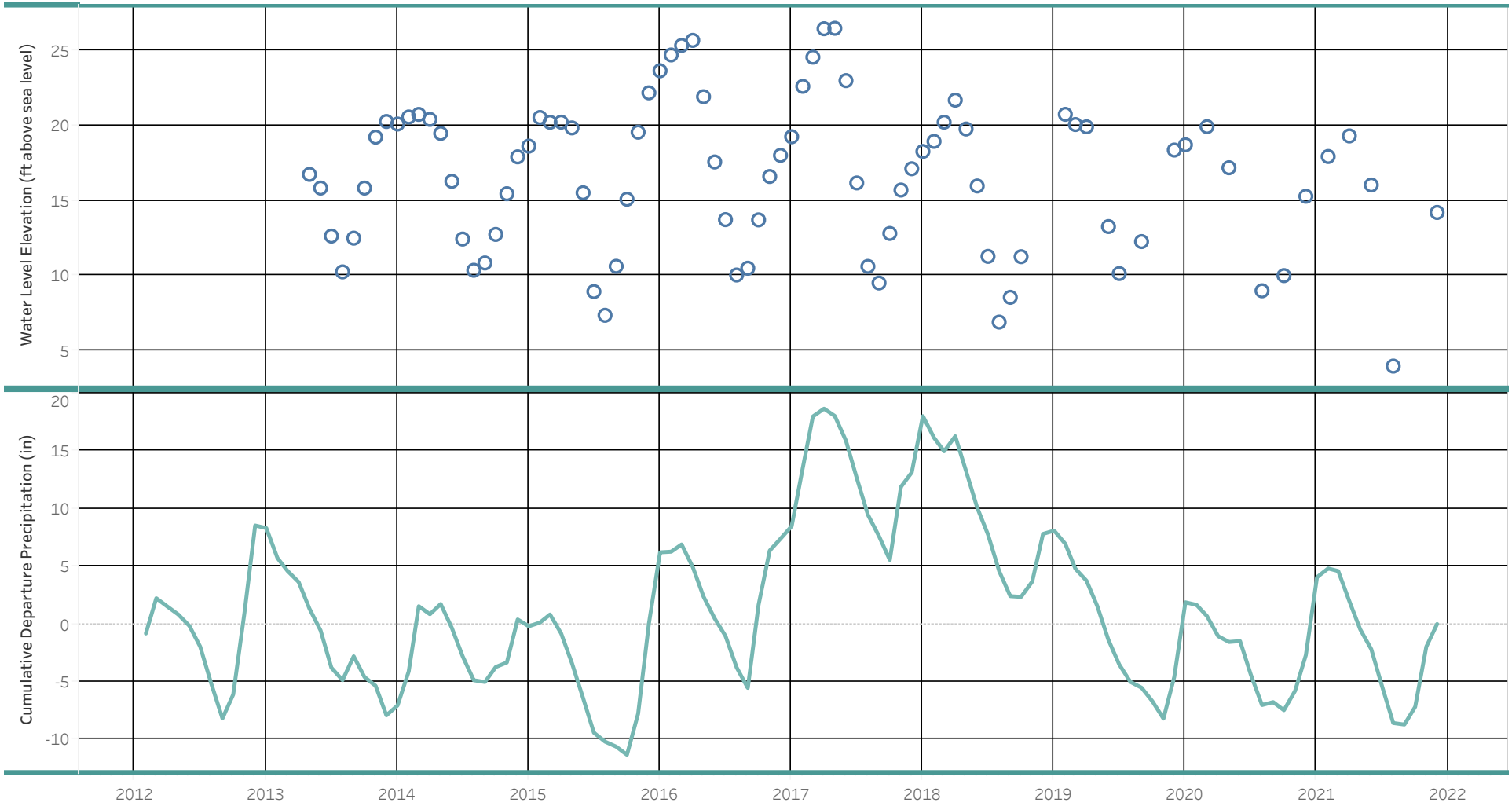


This chart displays a summary of water level data presented as a monthly average.
Static water level data for Island Utilities MW spans 10 years, which included a maximum data collection gap (in months) of: 4.2. Estimated static water level trend is -0.24 (ft/year).
Water level trend calculations are based on an ordinary least squares (OLS) fit to the monthly average of all static water level data.
Cumulative Departure Precipitation (CDP) represents the running total of monthly differences from the average over the period. Downward trending sections typically indicate drier periods with lowered recharge, while upward trending segments indicate wetter than average periods with greater recharge.

Water Level Measurement Status

○ Static Water Level

Well Summary - Meigs Farm (FBA Aquifer)

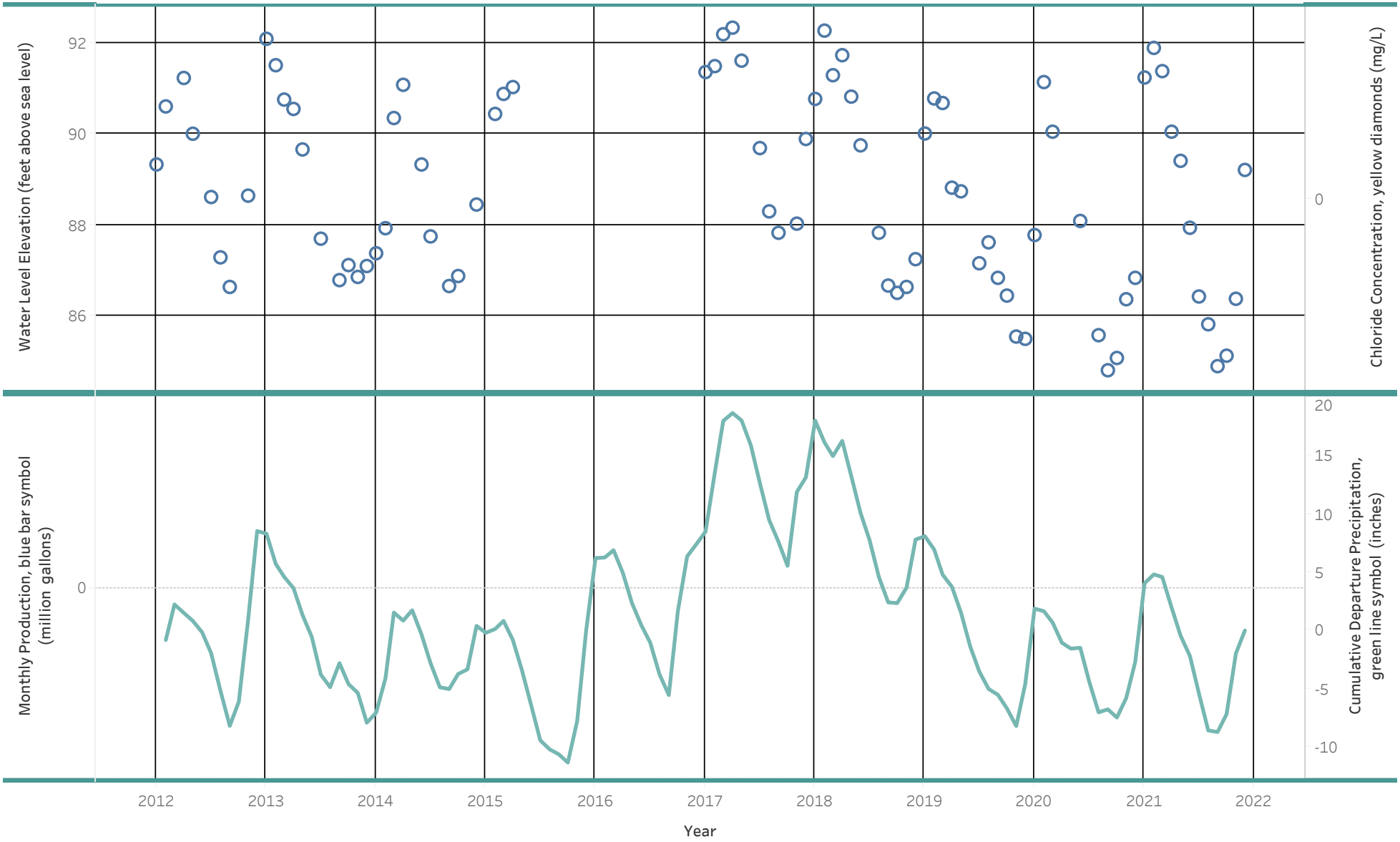


This chart displays a summary of water level data presented as a monthly average.
Static water level data for Meigs Farm spans 9 years, which included a maximum data collection gap (in months) of: 4.8. Estimated static water level trend is -0.29 (ft/year).
Water level trend calculations are based on an ordinary least squares (OLS) fit to the monthly average of all static water level data.
Cumulative Departure Precipitation (CDP) represents the running total of monthly differences from the average over the period. Downward trending sections typically indicate drier periods with lowered recharge, while upward trending segments indicate wetter than average periods with greater recharge.

Water Level Measurement Status

○ Static Water Level

Well Summary - North Bainbridge Well 01 (SPA Aquifer)

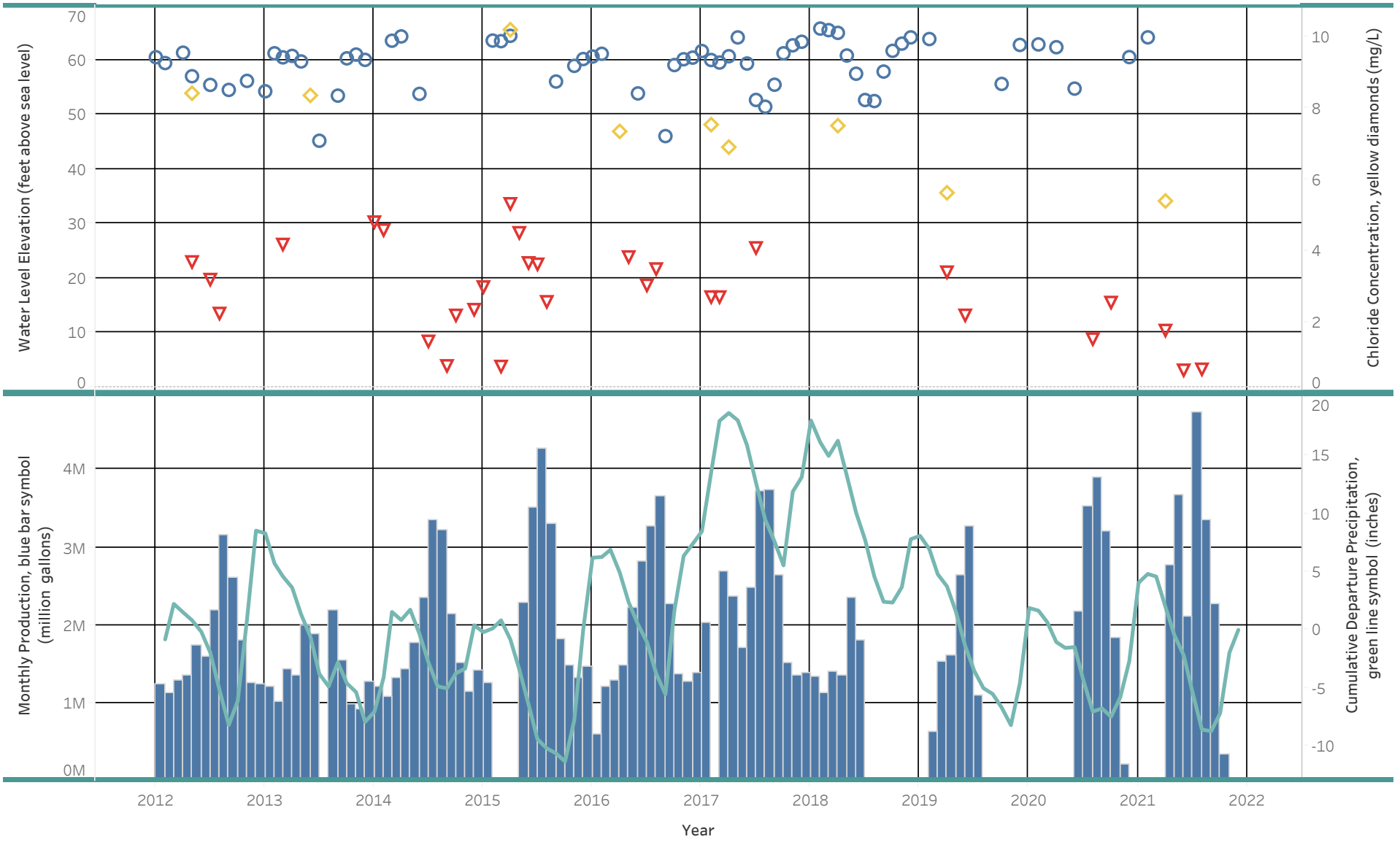


This chart displays a summary of water level data presented as a monthly average.
Static water level data for North Bainbridge Well 01 spans 10 years, which included a maximum data collection gap (in months) of: 21.5. Estimated static water level trend is -0.17 (ft/year).
Water level trend calculations are based on an ordinary least squares (OLS) fit to the monthly average of all static water level data.
Cumulative Departure Precipitation (CDP) represents the running total of monthly differences from the average over the period. Downward trending sections typically indicate drier periods with lowered recharge, while upward trending segments indicate wetter than average periods with greater recharge.

Water Level Measurement Status

○ Static Water Level

Well Summary - North Bainbridge Well 03 (SLA Aquifer)

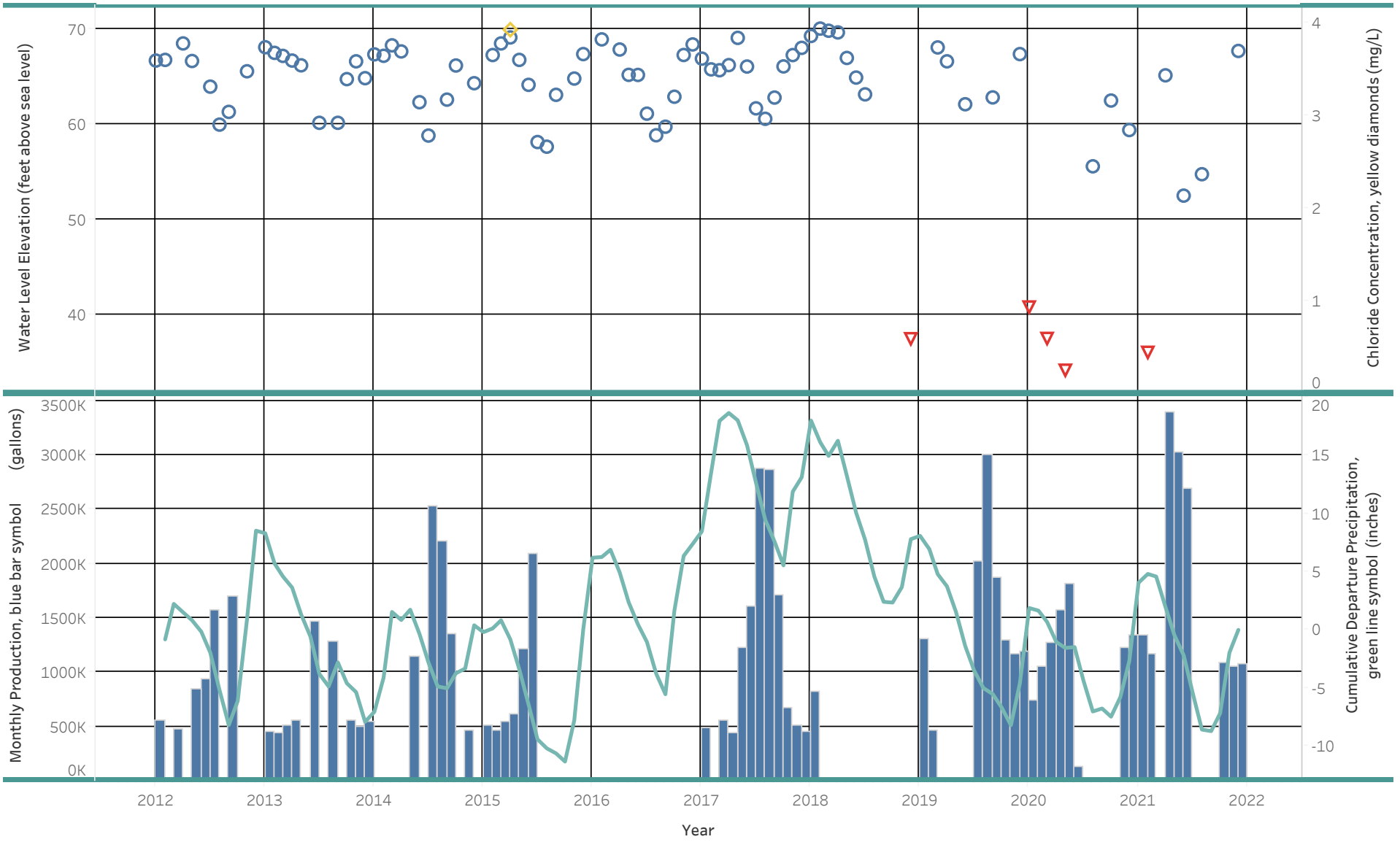


This chart displays a summary of water level data presented as a monthly average.
Static water level data for North Bainbridge Well 03 spans 9 years, which included a maximum data collection gap (in months) of: 8.2. Estimated static water level trend is 0.33 (ft/year).
Water level trend calculations are based on an ordinary least squares (OLS) fit to the monthly average of all static water level data.
Cumulative Departure Precipitation (CDP) represents the running total of monthly differences from the average over the period. Downward trending sections typically indicate drier periods with lowered recharge, while upward trending segments indicate wetter than average periods with greater recharge.

Water Level Measurement Status

- ○ Static Water Level
- ▽ Water level influenced by pumping

Well Summary - North Bainbridge Well 06 (SLA Aquifer)

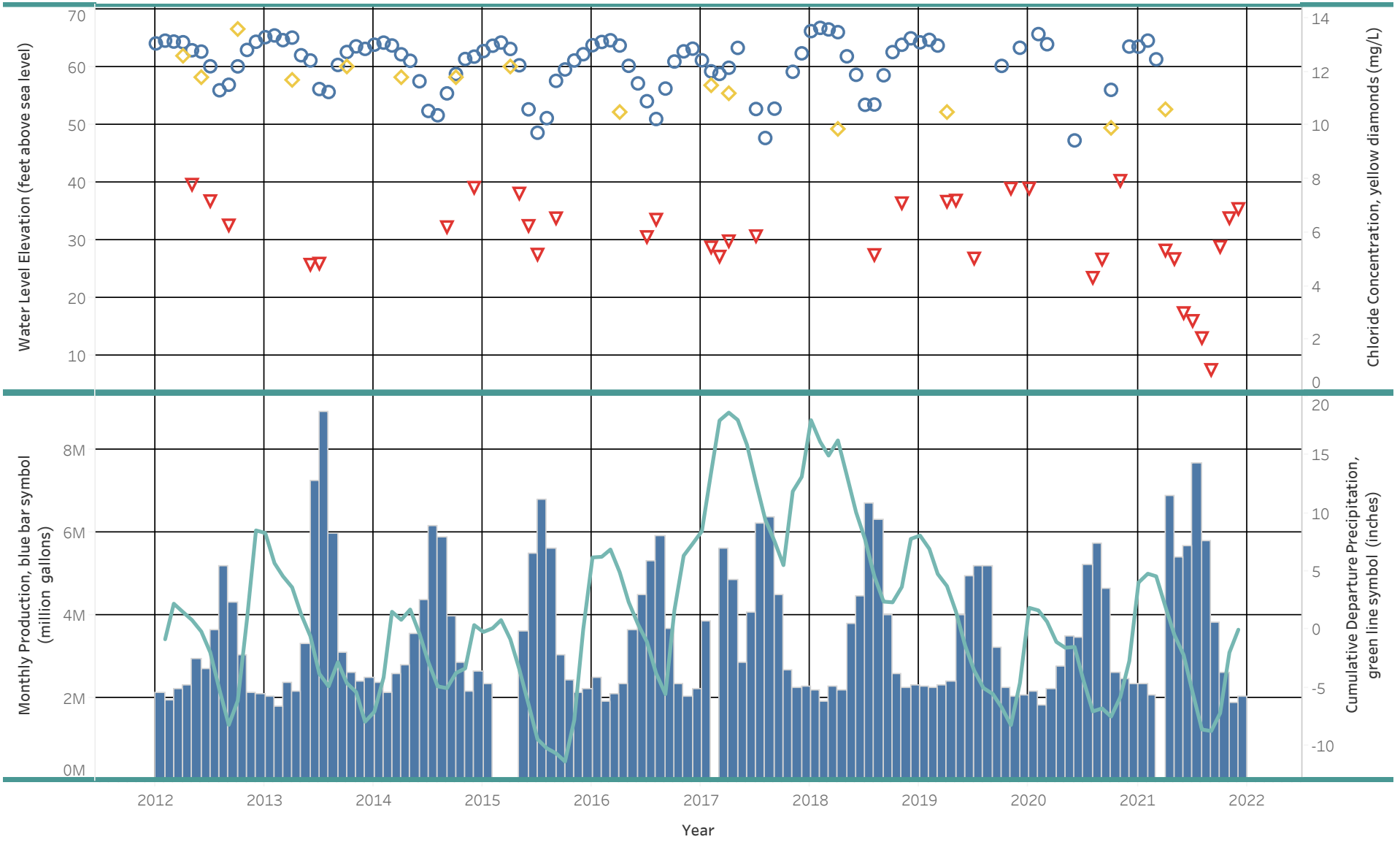


This chart displays a summary of water level data presented as a monthly average.
Static water level data for North Bainbridge Well 06 spans 10 years, which included a maximum data collection gap (in months) of: 7.8. Estimated static water level trend is -0.3 (ft/year).
Water level trend calculations are based on an ordinary least squares (OLS) fit to the monthly average of all static water level data.
Cumulative Departure Precipitation (CDP) represents the running total of monthly differences from the average over the period. Downward trending sections typically indicate drier periods with lowered recharge, while upward trending segments indicate wetter than average periods with greater recharge.

Water Level Measurement Status

- ○ Static Water Level
- ▽ Water level influenced by pumping

Well Summary - North Bainbridge Well 07 (SLA Aquifer)

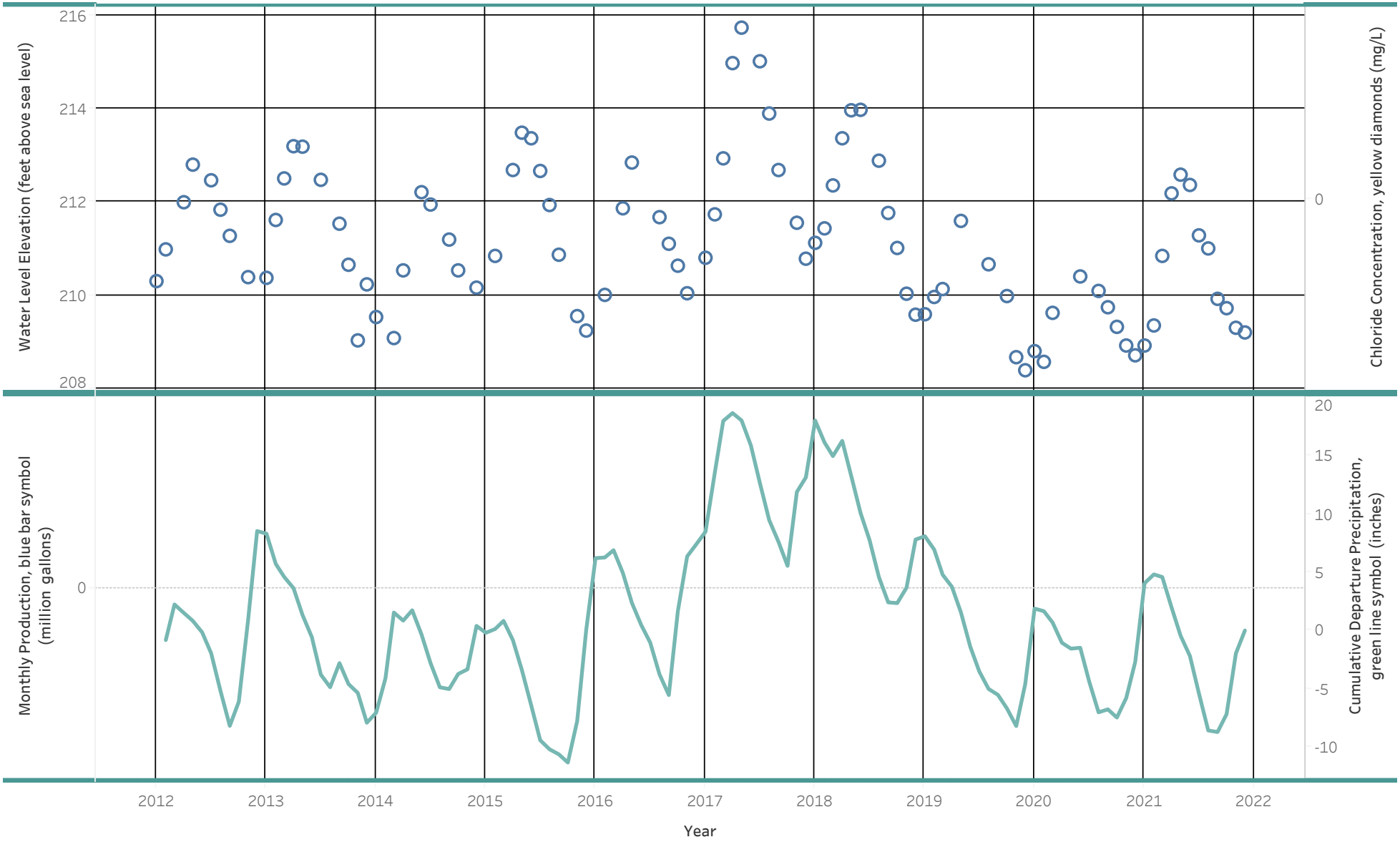


This chart displays a summary of water level data presented as a monthly average.
Static water level data for North Bainbridge Well 07 spans 9 years, which included a maximum data collection gap (in months) of: 7.8. Estimated static water level trend is -0.1 (ft/year).
Water level trend calculations are based on an ordinary least squares (OLS) fit to the monthly average of all static water level data.
Cumulative Departure Precipitation (CDP) represents the running total of monthly differences from the average over the period. Downward trending sections typically indicate drier periods with lowered recharge, while upward trending segments indicate wetter than average periods with greater recharge.

Water Level Measurement Status

- ○ Static Water Level
- ▽ Water level influenced by pumping

Well Summary - North Bainbridge Well 08 (PA Aquifer)

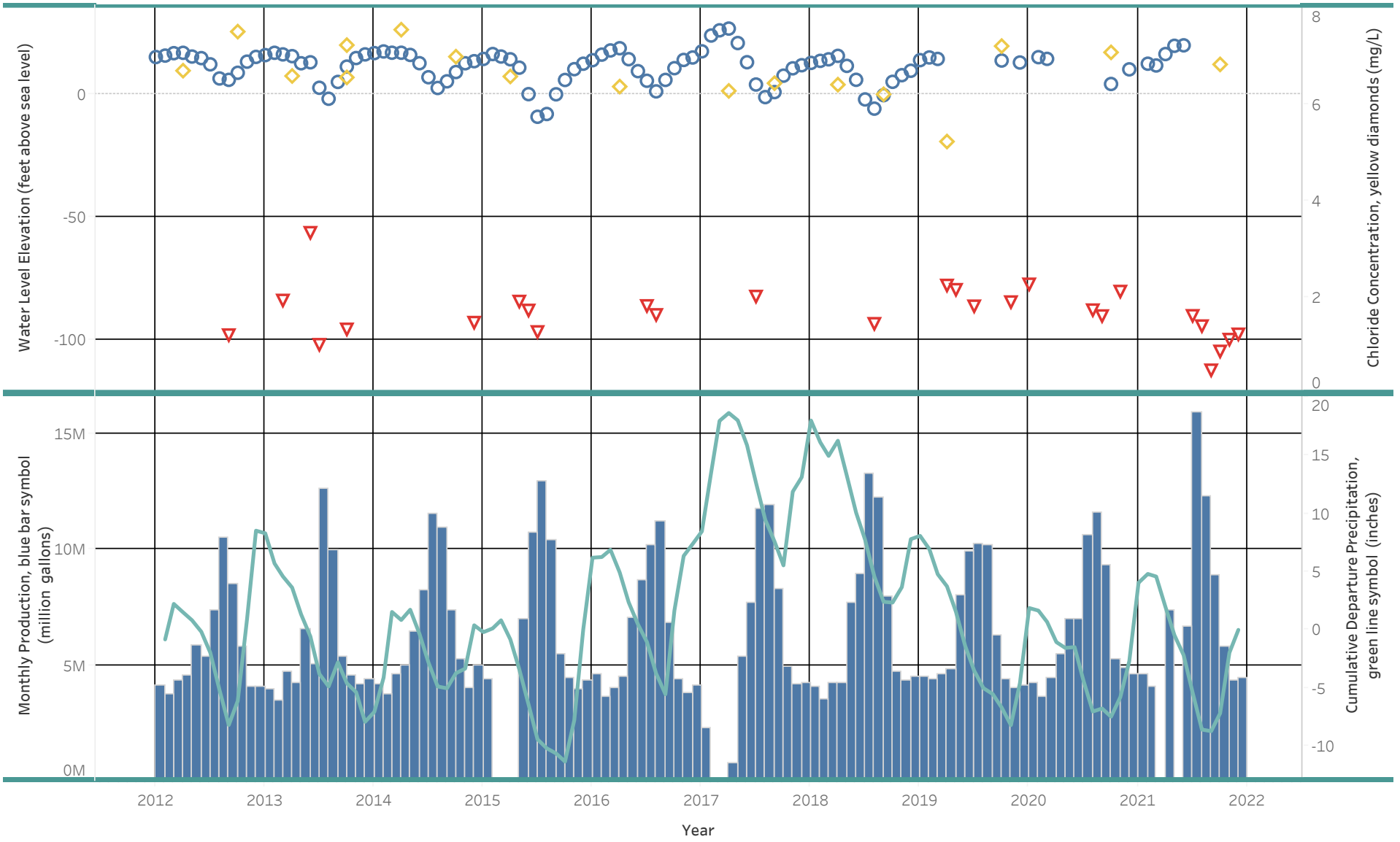


This chart displays a summary of water level data presented as a monthly average.
Static water level data for North Bainbridge Well 08 spans 10 years, which included a maximum data collection gap (in months) of: 3.0. Estimated static water level trend is -0.15 (ft/year).
Water level trend calculations are based on an ordinary least squares (OLS) fit to the monthly average of all static water level data.
Cumulative Departure Precipitation (CDP) represents the running total of monthly differences from the average over the period. Downward trending sections typically indicate drier periods with lowered recharge, while upward trending segments indicate wetter than average periods with greater recharge.

Water Level Measurement Status

○ Static Water Level

Well Summary - North Bainbridge Well 09 (FBA Aquifer)

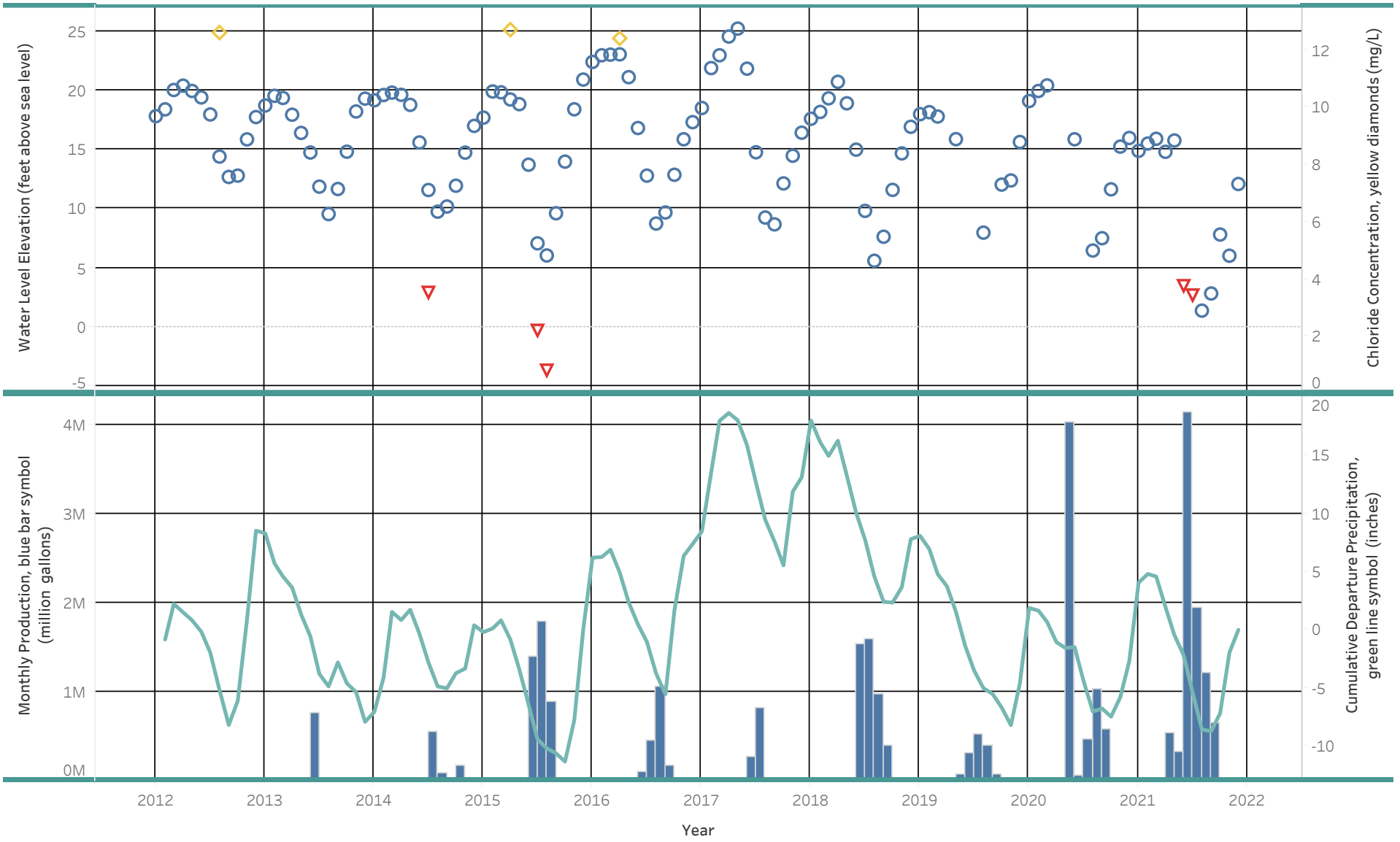


This chart displays a summary of water level data presented as a monthly average.
Static water level data for North Bainbridge Well 09 spans 9 years, which included a maximum data collection gap (in months) of: 7.8. Estimated static water level trend is -0.1 (ft/year).
Water level trend calculations are based on an ordinary least squares (OLS) fit to the monthly average of all static water level data.
Cumulative Departure Precipitation (CDP) represents the running total of monthly differences from the average over the period. Downward trending sections typically indicate drier periods with lowered recharge, while upward trending segments indicate wetter than average periods with greater recharge.

Water Level Measurement Status

- ○ Static Water Level
- ▽ Water level influenced by pumping

Well Summary - North Bainbridge Well 10 (FBA Aquifer)

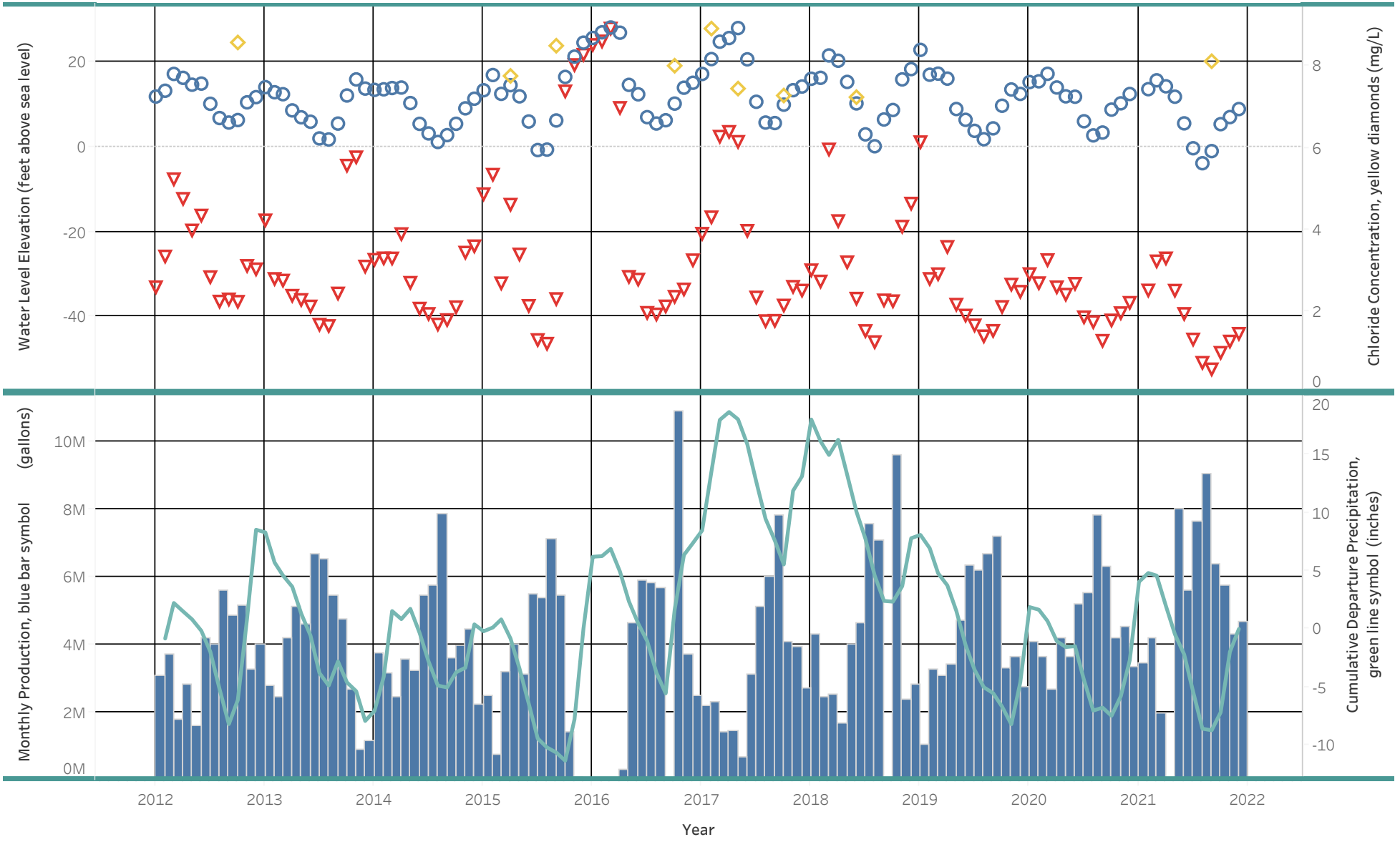


This chart displays a summary of water level data presented as a monthly average.
Static water level data for North Bainbridge Well 10 spans 10 years, which included a maximum data collection gap (in months) of: 3.2. Estimated static water level trend is -0.53 (ft/year).
Water level trend calculations are based on an ordinary least squares (OLS) fit to the monthly average of all static water level data.
Cumulative Departure Precipitation (CDP) represents the running total of monthly differences from the average over the period. Downward trending sections typically indicate drier periods with lowered recharge, while upward trending segments indicate wetter than average periods with greater recharge.

Water Level Measurement Status

- ○ Static Water Level
- ▽ Water level influenced by pumping

Well Summary - Sands Road 1 (FBA Aquifer)

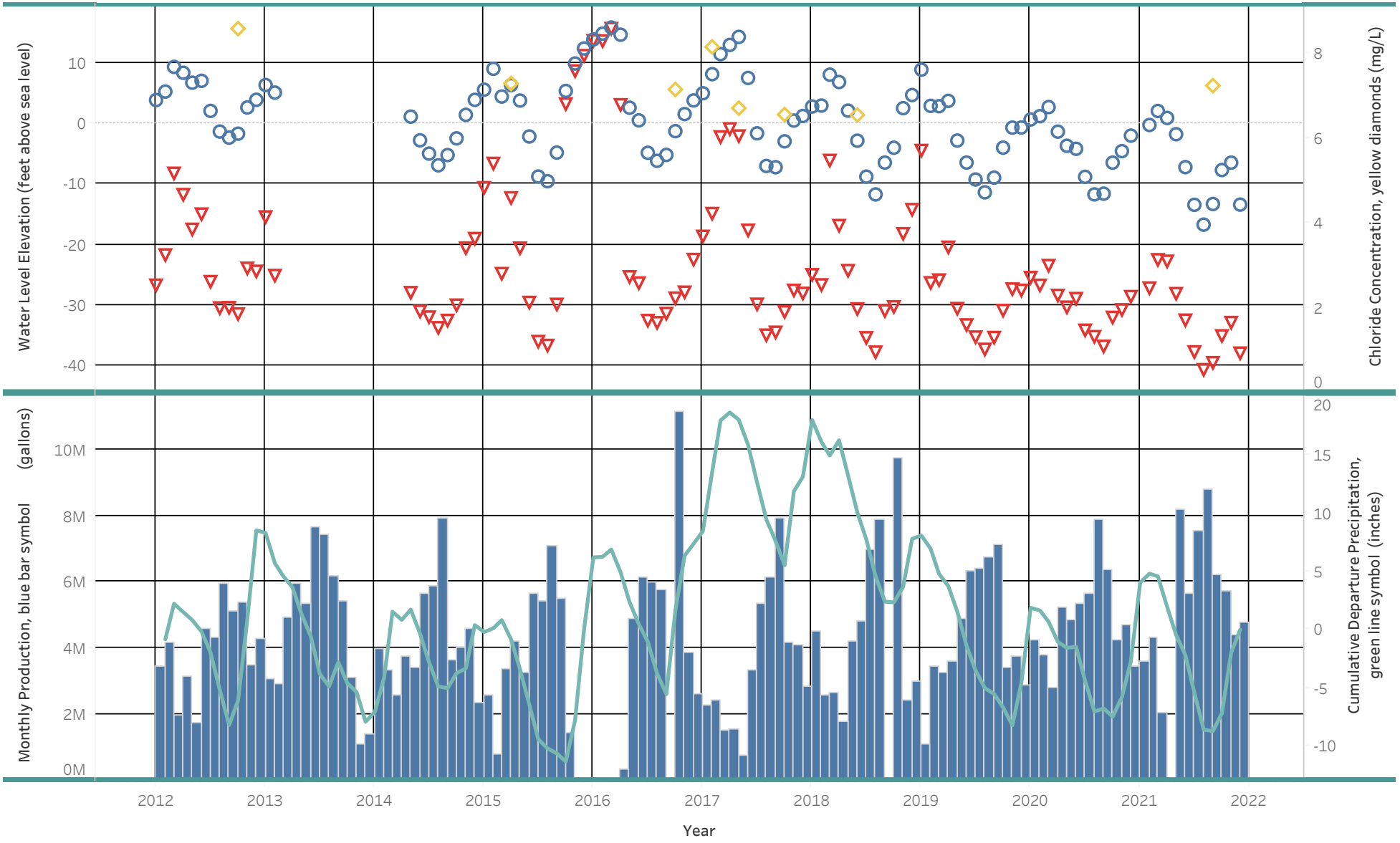


This chart displays a summary of water level data presented as a monthly average.
Static water level data for Sands Road 1 spans 10 years, which included a maximum data collection gap (in months) of: 2.0. Estimated static water level trend is -0.17 (ft/year).
Water level trend calculations are based on an ordinary least squares (OLS) fit to the monthly average of all static water level data.
Cumulative Departure Precipitation (CDP) represents the running total of monthly differences from the average over the period. Downward trending sections typically indicate drier periods with lowered recharge, while upward trending segments indicate wetter than average periods with greater recharge.

Water Level Measurement Status

- ○ Static Water Level
- ▽ Water level influenced by pumping

Well Summary - Sands Road 2 (FBA Aquifer)



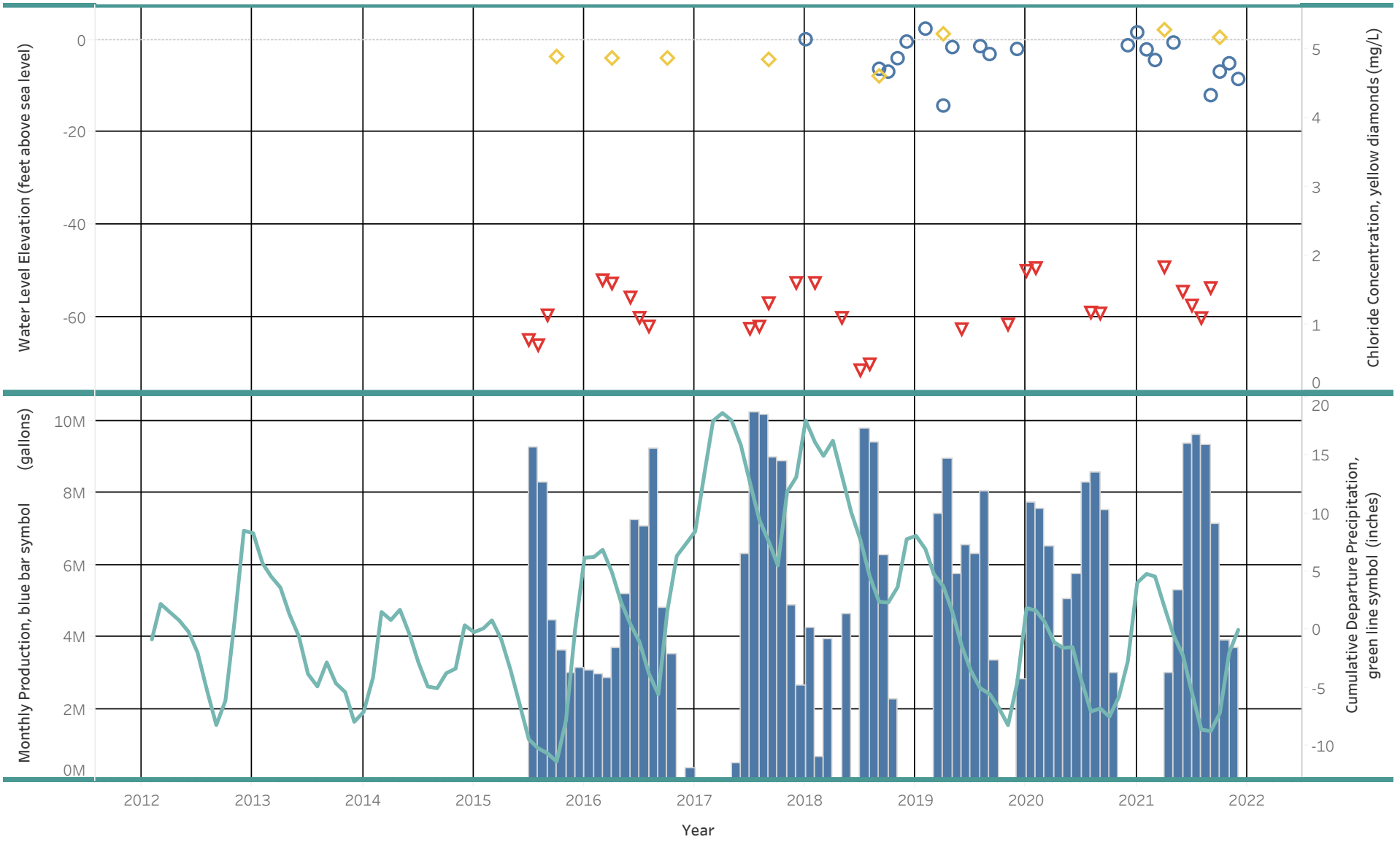
This chart displays a summary of water level data presented as a monthly average.
Static water level data for Sands Road 2 spans 10 years, which included a maximum data collection gap (in months) of: 15.5. Estimated static water level trend is -1.15 (ft/year).
Water level trend calculations are based on an ordinary least squares (OLS) fit to the monthly average of all static water level data.
Cumulative Departure Precipitation (CDP) represents the running total of monthly differences from the average over the period. Downward trending sections typically indicate drier periods with lowered recharge, while upward trending segments indicate wetter than average periods with greater recharge.

Water Level Measurement Status

○ Static Water Level

▽ Water level influenced by pumping

Well Summary - South Bainbridge WS Well 7 (SLA Aquifer)

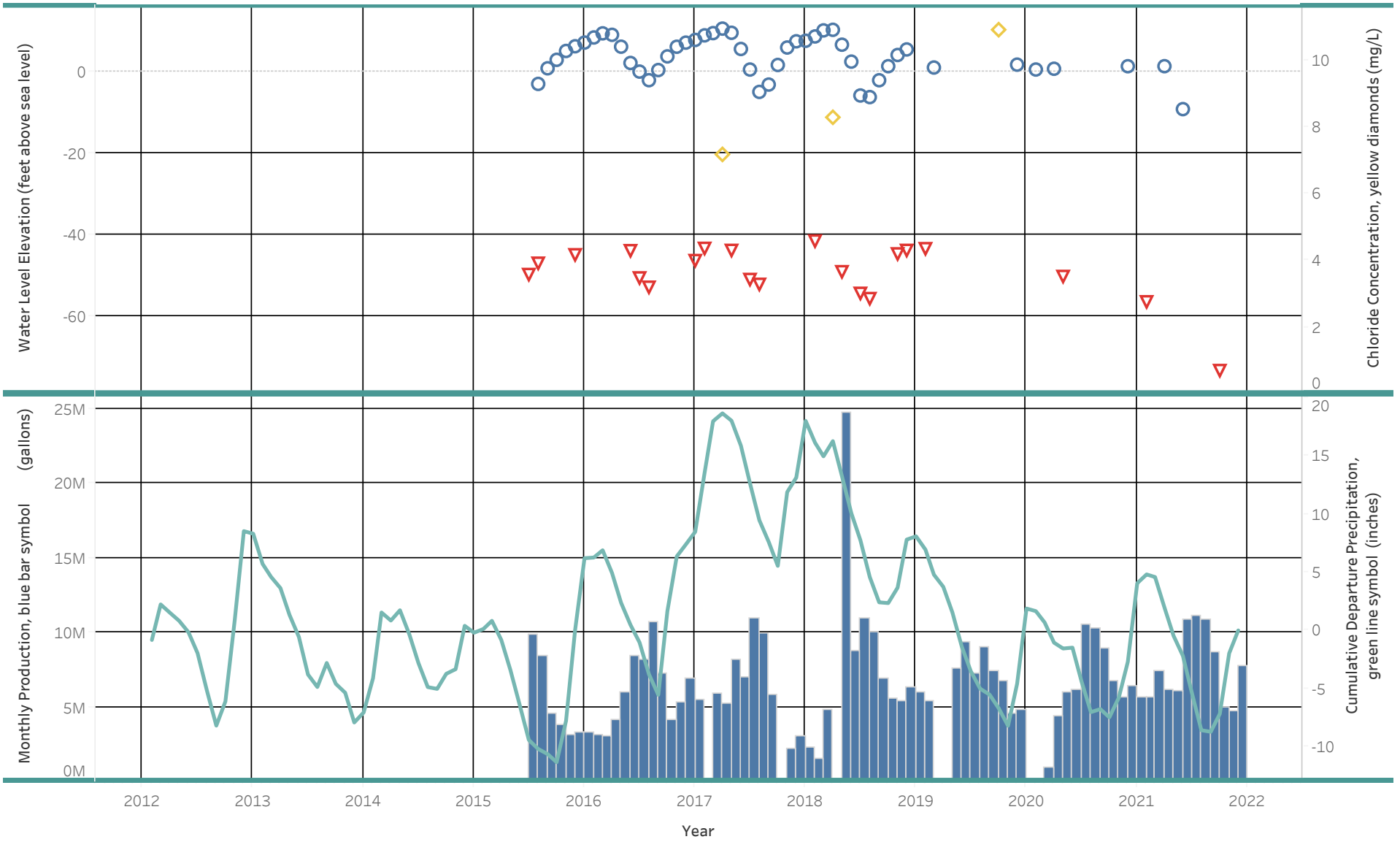


This chart displays a summary of water level data presented as a monthly average.
Static water level data for South Bainbridge WS Well 7 spans 4 years, which included a maximum data collection gap (in months) of: 12.0. No early warning level assessment applied due to insufficient data (at least 8 years of data required). 4 years of data available.
Water level trend calculations are based on an ordinary least squares (OLS) fit to the monthly average of all static water level data.
Cumulative Departure Precipitation (CDP) represents the running total of monthly differences from the average over the period. Downward trending sections typically indicate drier periods with lowered recharge, while upward trending segments indicate wetter than average periods with greater recharge.

Water Level Measurement Status

- ○ Static Water Level
- ▽ Water level influenced by pumping

Well Summary - South Bainbridge WS Well 8 (SLA Aquifer)

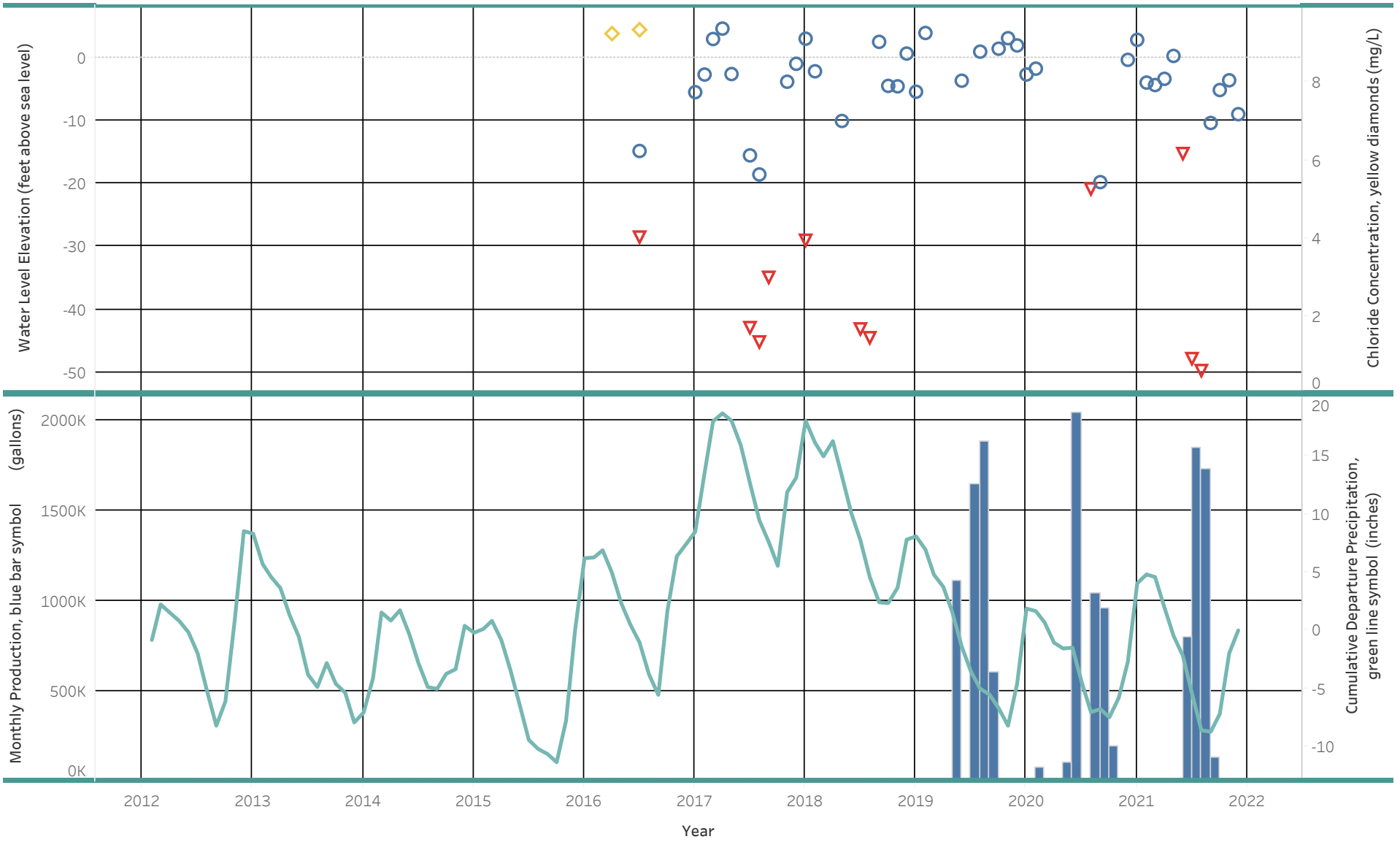


This chart displays a summary of water level data presented as a monthly average.
Static water level data for South Bainbridge WS Well 8 spans 6 years, which included a maximum data collection gap (in months) of: 9.5. No early warning level assessment applied due to insufficient data (at least 8 years of data required). 6 years of data available.
Water level trend calculations are based on an ordinary least squares (OLS) fit to the monthly average of all static water level data.
Cumulative Departure Precipitation (CDP) represents the running total of monthly differences from the average over the period. Downward trending sections typically indicate drier periods with lowered recharge, while upward trending segments indicate wetter than average periods with greater recharge.

Water Level Measurement Status

- ○ Static Water Level
- ▽ Water level influenced by pumping

Well Summary - South Bainbridge WS Well 9 (SLA Aquifer)

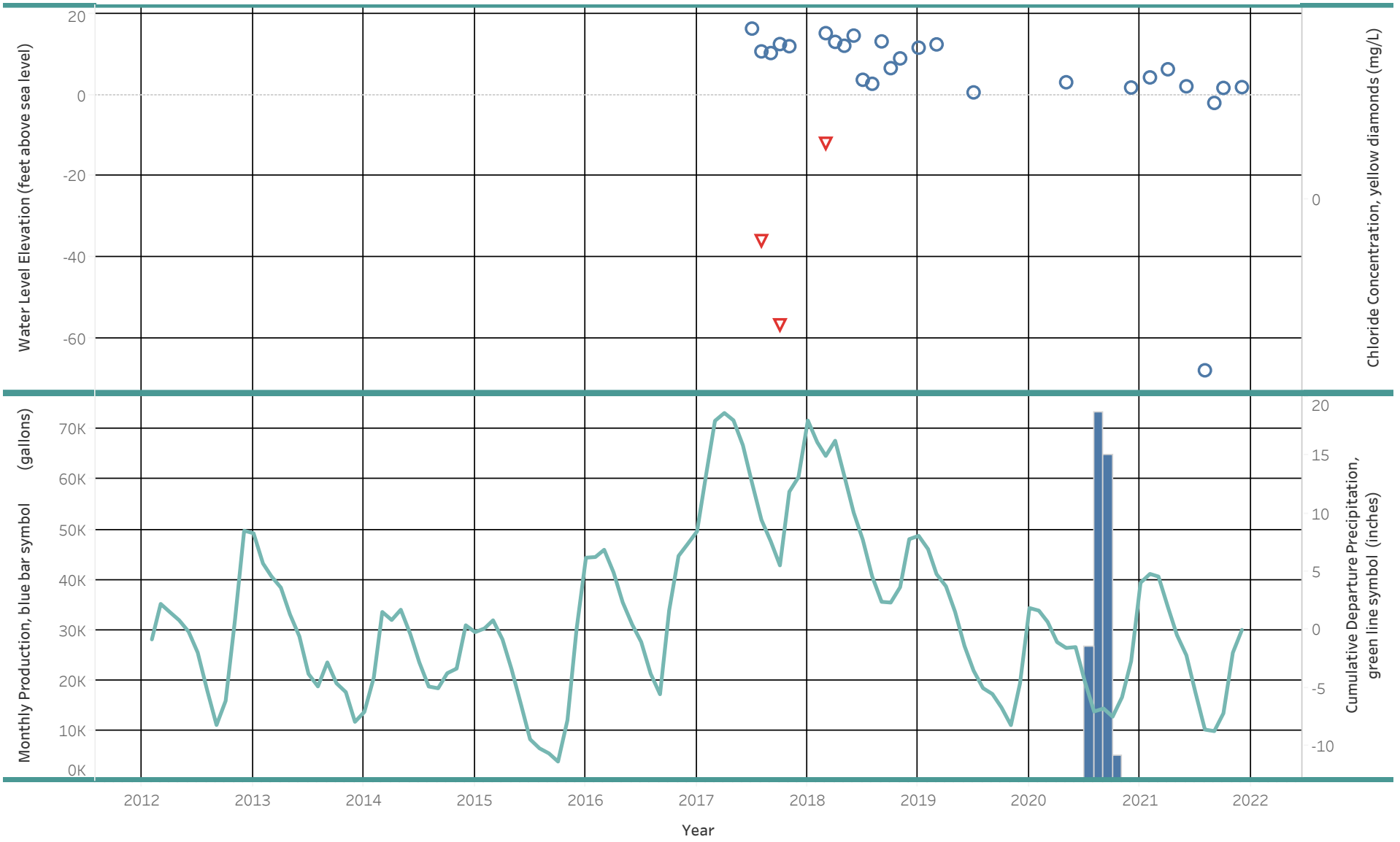


This chart displays a summary of water level data presented as a monthly average.
Static water level data for South Bainbridge WS Well 9 spans 5 years, which included a maximum data collection gap (in months) of: 7.1. No early warning level assessment applied due to insufficient data (at least 8 years of data required). 5 years of data available.
Water level trend calculations are based on an ordinary least squares (OLS) fit to the monthly average of all static water level data.
Cumulative Departure Precipitation (CDP) represents the running total of monthly differences from the average over the period. Downward trending sections typically indicate drier periods with lowered recharge, while upward trending segments indicate wetter than average periods with greater recharge.

Water Level Measurement Status

- ○ Static Water Level
- ▽ Water level influenced by pumping

Well Summary - South Bainbridge Well 10 (SLA Aquifer)

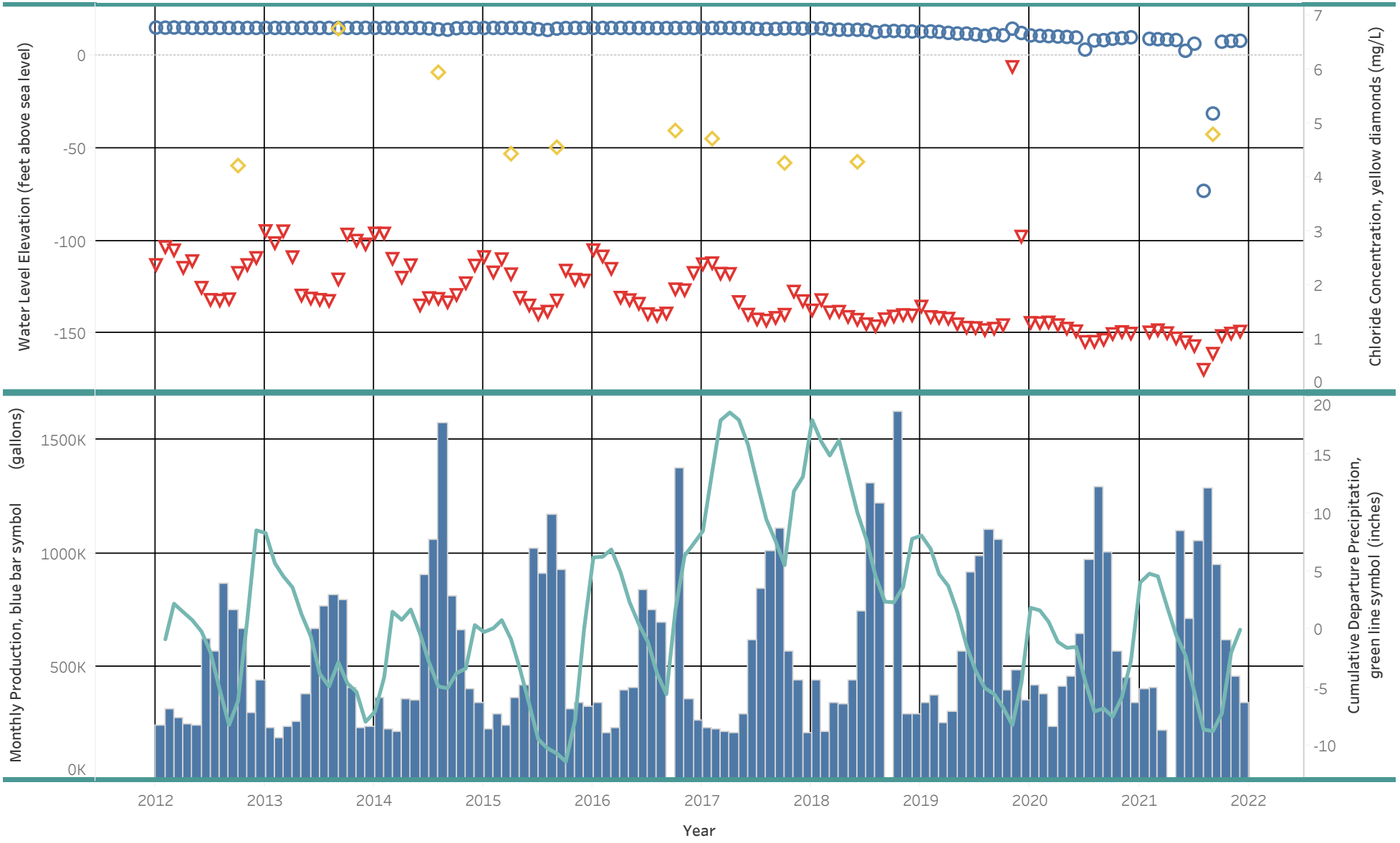


This chart displays a summary of water level data presented as a monthly average.
Static water level data for South Bainbridge Well 10 spans 4 years, which included a maximum data collection gap (in months) of: 6.9. No early warning level assessment applied due to insufficient data (at least 8 years of data required). 4 years of data available.
Water level trend calculations are based on an ordinary least squares (OLS) fit to the monthly average of all static water level data.
Cumulative Departure Precipitation (CDP) represents the running total of monthly differences from the average over the period. Downward trending sections typically indicate drier periods with lowered recharge, while upward trending segments indicate wetter than average periods with greater recharge.

Water Level Measurement Status

- ○ Static Water Level
- ▽ Water level influenced by pumping

Well Summary - Taylor Road Well (GMA Aquifer)



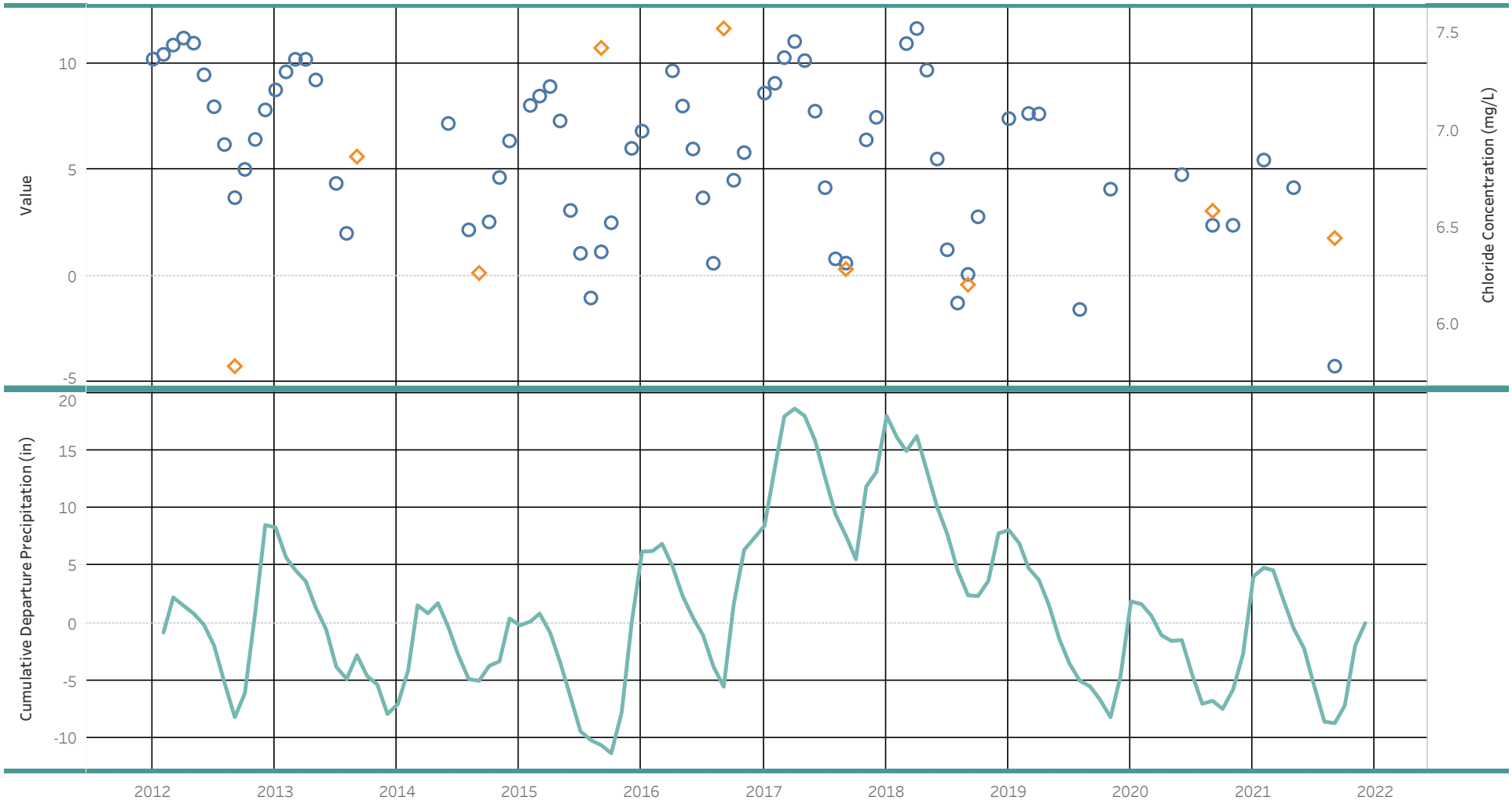
This chart displays a summary of water level data presented as a monthly average.
Static water level data for Taylor Road Well spans 10 years, which included a maximum data collection gap (in months) of: 2.0. Estimated static water level trend is -1.31 (ft/year).
Water level trend calculations are based on an ordinary least squares (OLS) fit to the monthly average of all static water level data.
Cumulative Departure Precipitation (CDP) represents the running total of monthly differences from the average over the period. Downward trending sections typically indicate drier periods with lowered recharge, while upward trending segments indicate wetter than average periods with greater recharge.

Water Level Measurement Status

○ Static Water Level

▽ Water level influenced by pumping

Well Summary - 24N/02E-3D02 (SLA Aquifer)

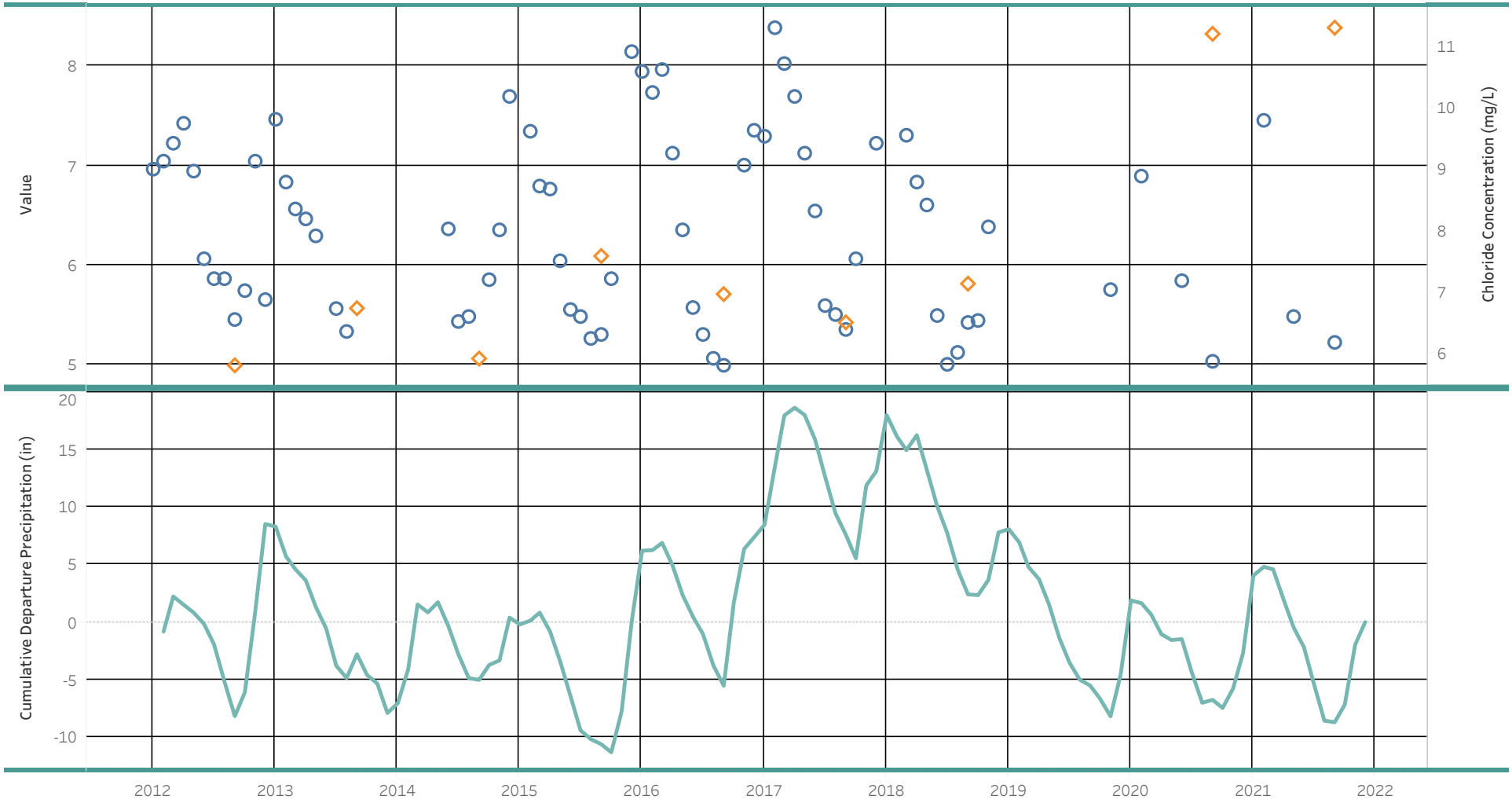


This chart displays a summary of water level data presented as a monthly average.
Static water level data for 24N/02E-3D02 spans 10 years, which included a maximum data collection gap (in months) of: 10.2. Estimated static water level trend is -0.56 (ft/year).
Water level trend calculations are based on an ordinary least squares (OLS) fit to the monthly average of all static water level data.
Cumulative Departure Precipitation (CDP) represents the running total of monthly differences from the average over the period. Downward trending sections typically indicate drier periods with lowered recharge, while upward trending segments indicate wetter than average periods with greater recharge.

Water Level Measurement Status
○ Static Water Level

Chloride Results
◇ Chloride Concentration

Well Summary - 24N/02E-04H01 (PA Aquifer)

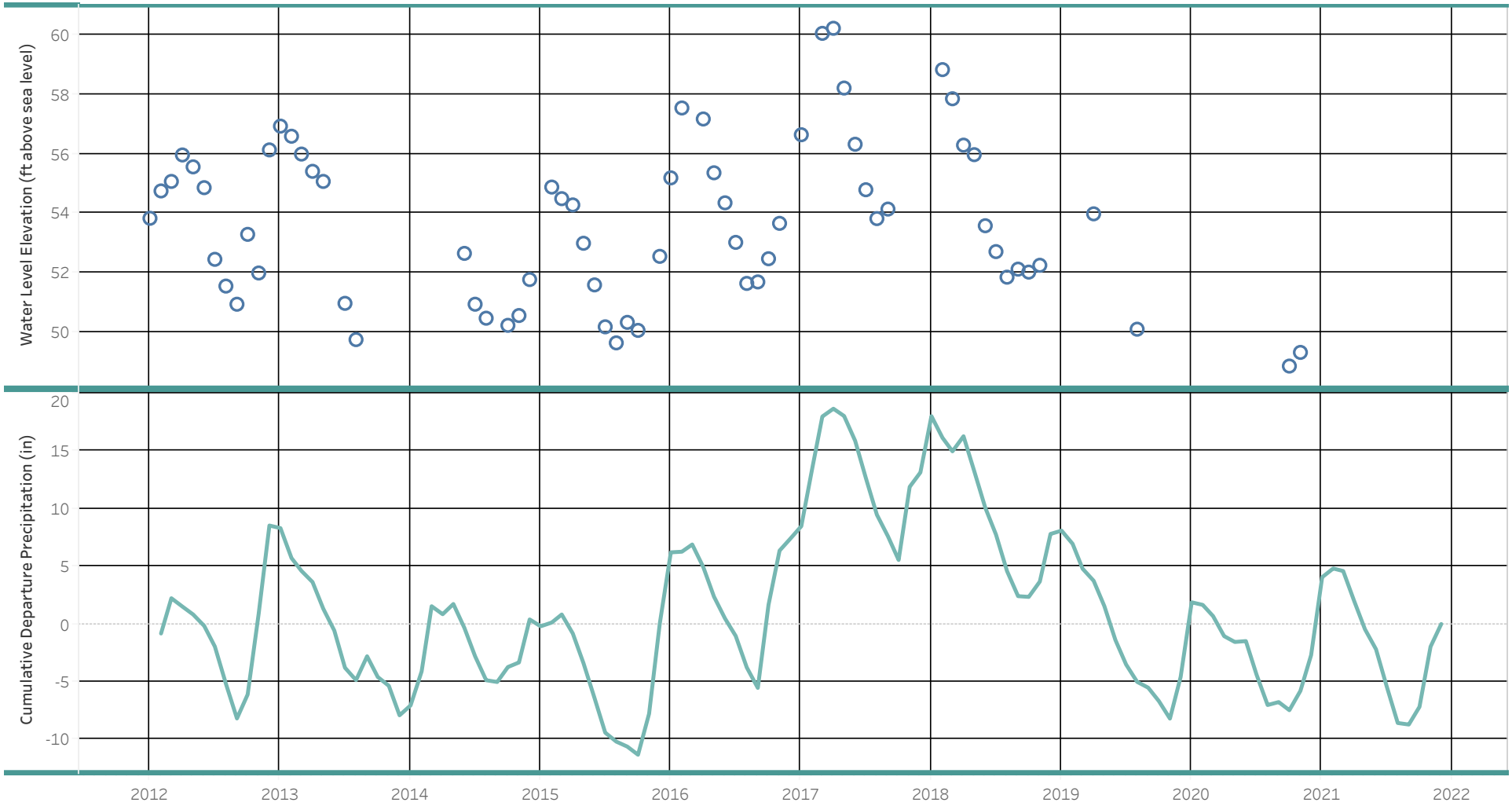


This chart displays a summary of water level data presented as a monthly average.
Static water level data for 24N/02E-04H01 spans 10 years, which included a maximum data collection gap (in months) of: 12.1. Estimated static water level trend is -0.05 (ft/year).
Water level trend calculations are based on an ordinary least squares (OLS) fit to the monthly average of all static water level data.
Cumulative Departure Precipitation (CDP) represents the running total of monthly differences from the average over the period. Downward trending sections typically indicate drier periods with lowered recharge, while upward trending segments indicate wetter than average periods with greater recharge.

Water Level Measurement Status
○ Static Water Level

Chloride Results
◇ Chloride Concentration

Well Summary - 24N/02E-05K01 (PA Aquifer)

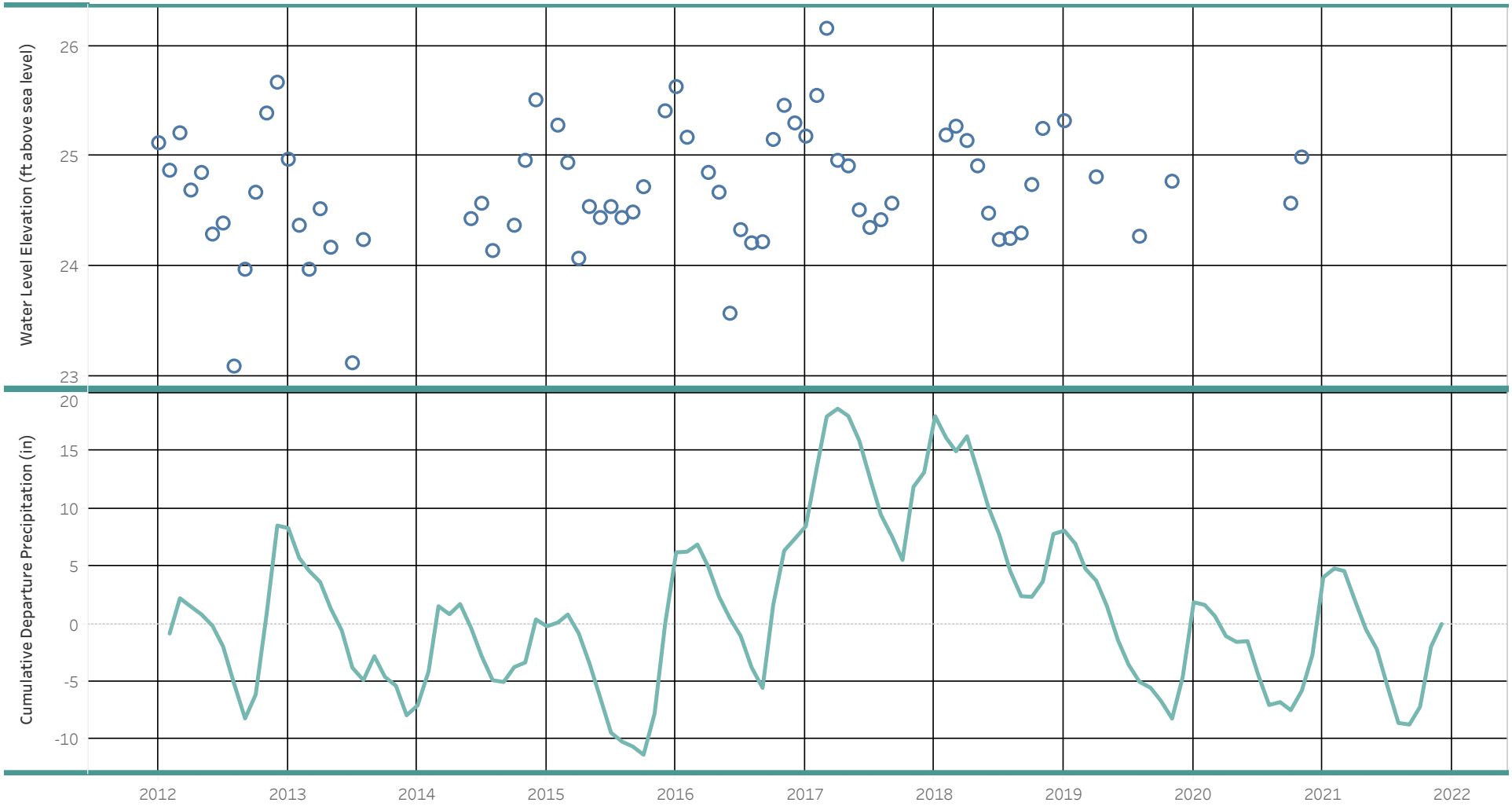


This chart displays a summary of water level data presented as a monthly average.
Static water level data for 24N/02E-05K01 spans 9 years, which included a maximum data collection gap (in months) of: 13.6. Estimated static water level trend is -0.05 (ft/year).
Water level trend calculations are based on an ordinary least squares (OLS) fit to the monthly average of all static water level data.
Cumulative Departure Precipitation (CDP) represents the running total of monthly differences from the average over the period. Downward trending sections typically indicate drier periods with lowered recharge, while upward trending segments indicate wetter than average periods with greater recharge.

Water Level Measurement Status

○ Static Water Level

Well Summary - 24N/02E-05K02 (SLA Aquifer)

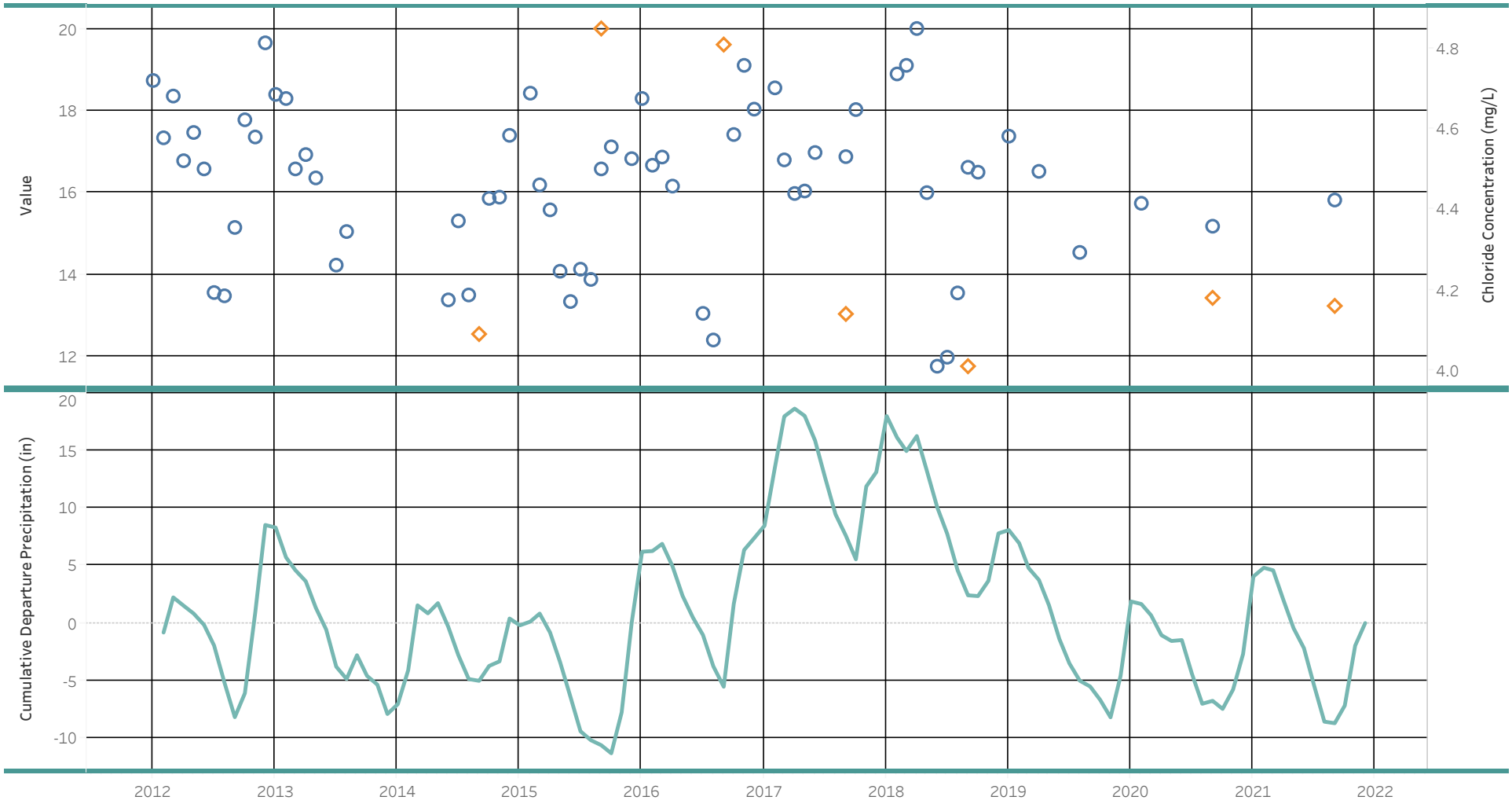


This chart displays a summary of water level data presented as a monthly average.
Static water level data for 24N/02E-05K02 spans 9 years, which included a maximum data collection gap (in months) of: 10.5. Estimated static water level trend is 0.04 (ft/year).
Water level trend calculations are based on an ordinary least squares (OLS) fit to the monthly average of all static water level data.
Cumulative Departure Precipitation (CDP) represents the running total of monthly differences from the average over the period. Downward trending sections typically indicate drier periods with lowered recharge, while upward trending segments indicate wetter than average periods with greater recharge.

Water Level Measurement Status

○ Static Water Level

Well Summary - 24N/02E-05K03 (PA Aquifer)

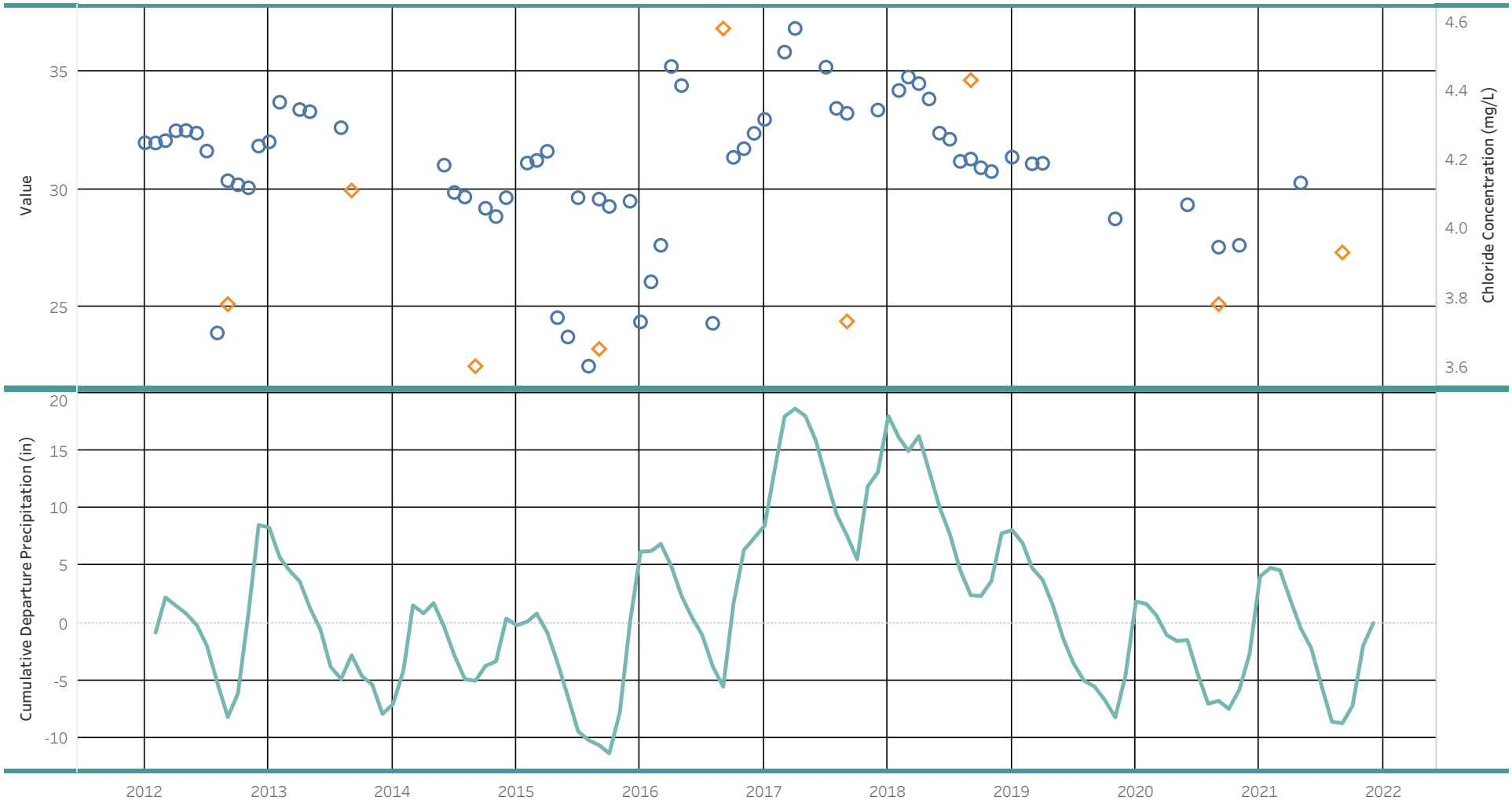


This chart displays a summary of water level data presented as a monthly average.
Static water level data for 24N/02E-05K03 spans 10 years, which included a maximum data collection gap (in months) of: 12.1. Estimated static water level trend is -0.08 (ft/year).
Water level trend calculations are based on an ordinary least squares (OLS) fit to the monthly average of all static water level data.
Cumulative Departure Precipitation (CDP) represents the running total of monthly differences from the average over the period. Downward trending sections typically indicate drier periods with lowered recharge, while upward trending segments indicate wetter than average periods with greater recharge.

Water Level Measurement Status
○ Static Water Level

Chloride Results
◇ Chloride Concentration

Well Summary - 24N/02E-05R01 (PA Aquifer)

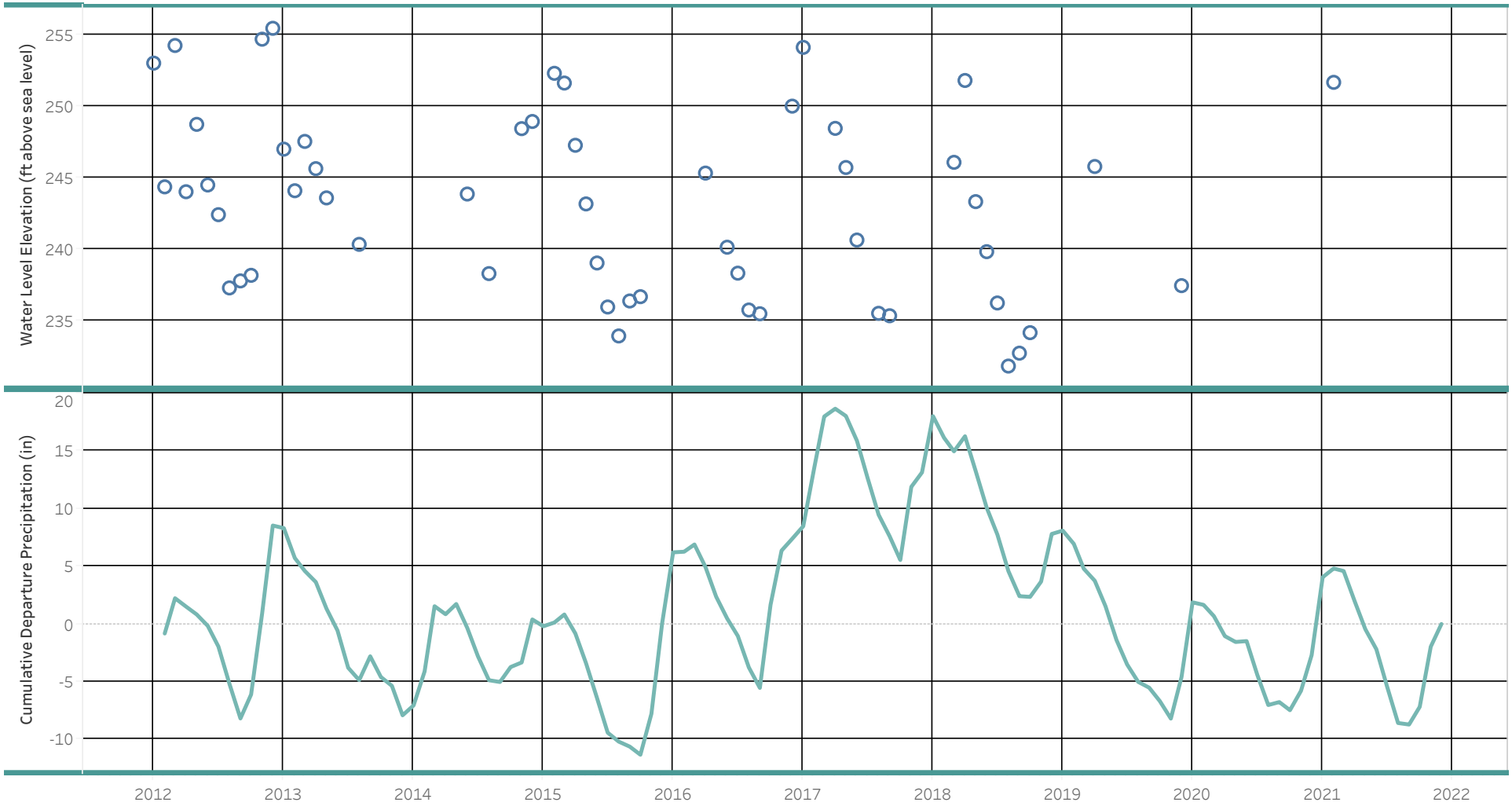


This chart displays a summary of water level data presented as a monthly average.
Static water level data for 24N/02E-05R01 spans 9 years, which included a maximum data collection gap (in months) of: 10.2. Estimated static water level trend is 0.03 (ft/year).
Water level trend calculations are based on an ordinary least squares (OLS) fit to the monthly average of all static water level data.
Cumulative Departure Precipitation (CDP) represents the running total of monthly differences from the average over the period. Downward trending sections typically indicate drier periods with lowered recharge, while upward trending segments indicate wetter than average periods with greater recharge.

Water Level Measurement Status
○ Static Water Level

Chloride Results
◇ Chloride Concentration

Well Summary - 24N/02E-11G02 (BED Aquifer)

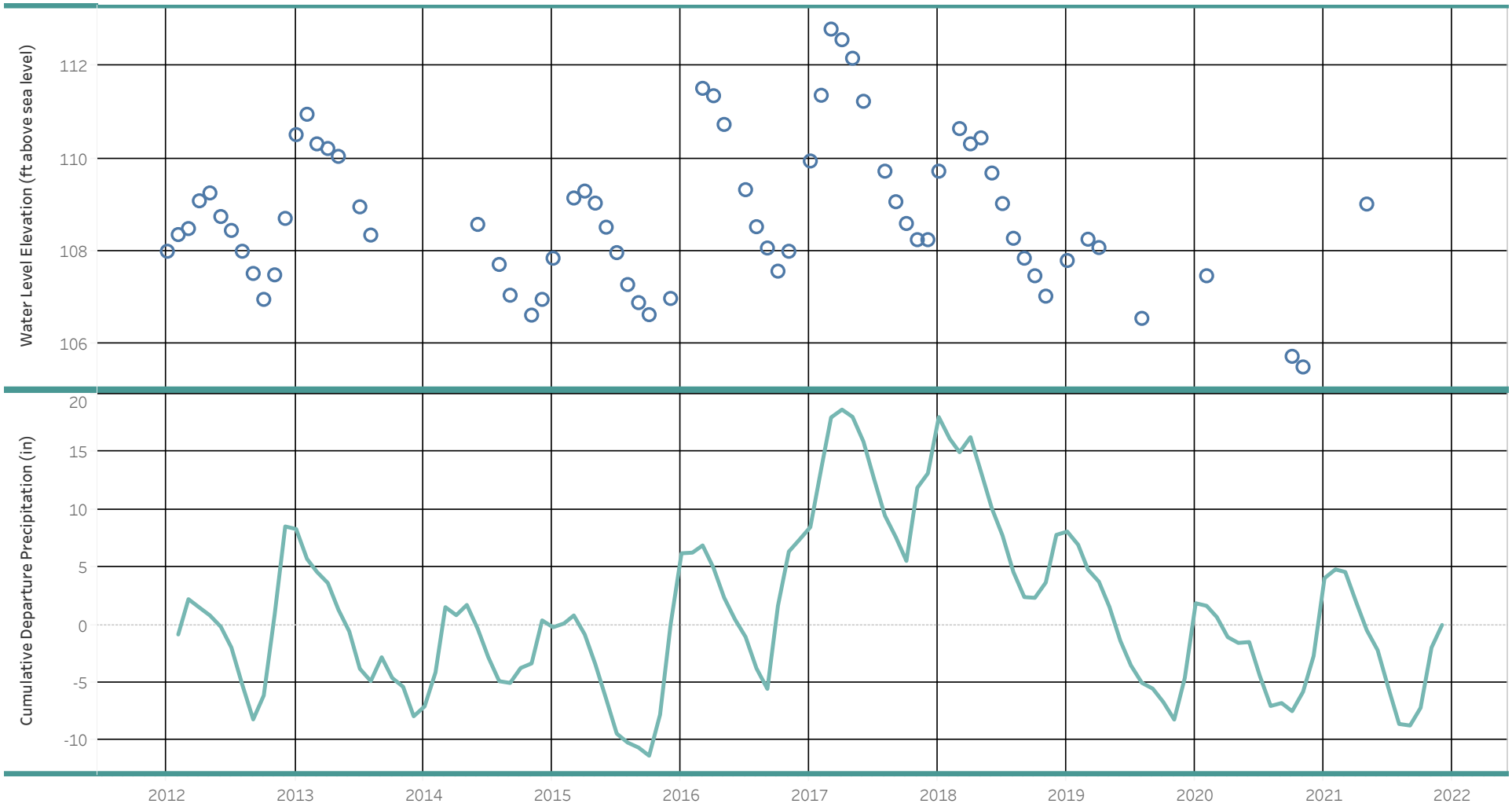


This chart displays a summary of water level data presented as a monthly average.
Static water level data for 24N/02E-11G02 spans 9 years, which included a maximum data collection gap (in months) of: 14.8. Estimated static water level trend is -0.76 (ft/year).
Water level trend calculations are based on an ordinary least squares (OLS) fit to the monthly average of all static water level data.
Cumulative Departure Precipitation (CDP) represents the running total of monthly differences from the average over the period. Downward trending sections typically indicate drier periods with lowered recharge, while upward trending segments indicate wetter than average periods with greater recharge.

Water Level Measurement Status

○ Static Water Level

Well Summary - 25N/02E-03G01 (PA Aquifer)

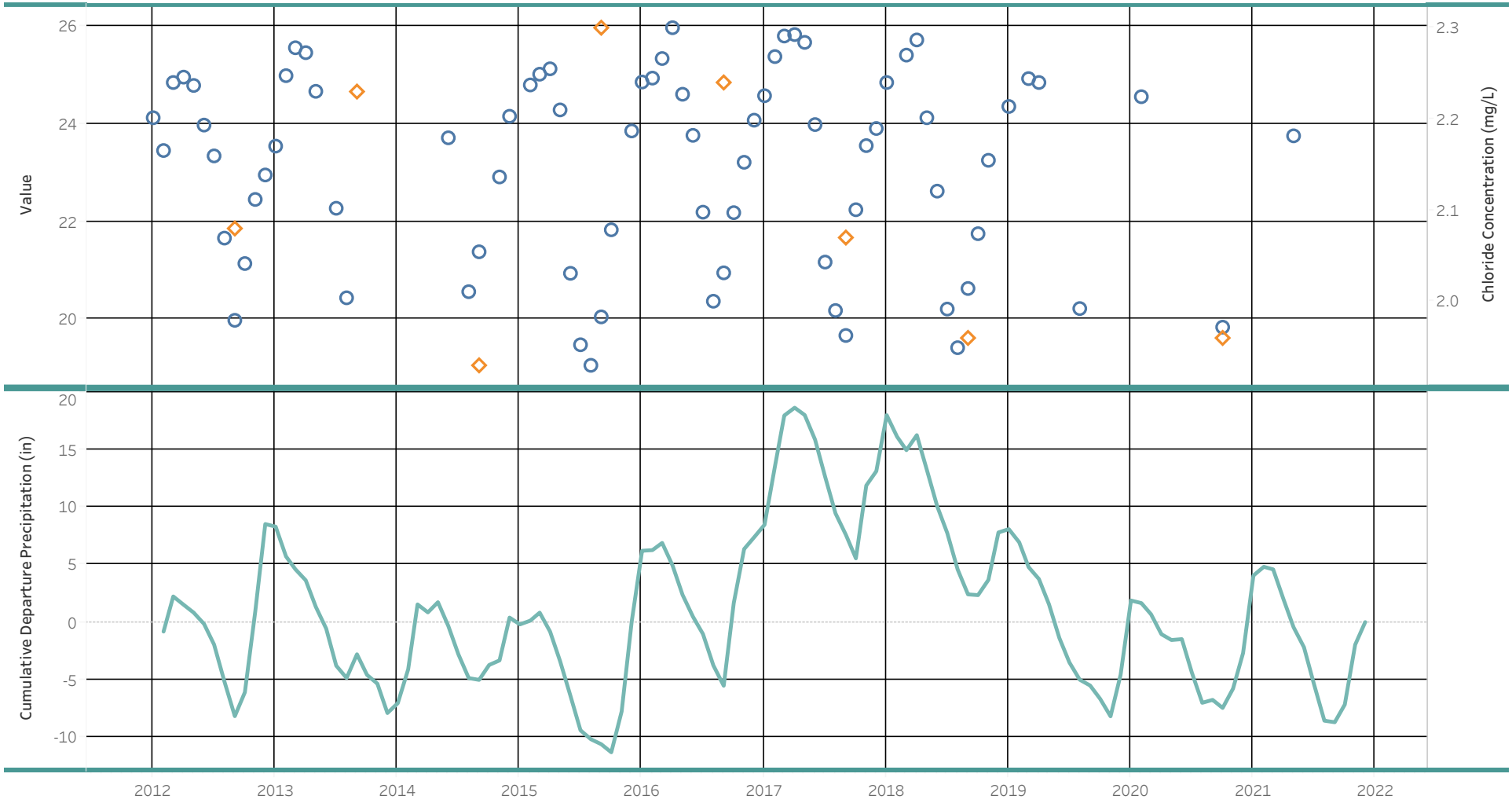


This chart displays a summary of water level data presented as a monthly average.
Static water level data for 25N/02E-03G01 spans 9 years, which included a maximum data collection gap (in months) of: 10.3. Estimated static water level trend is -0.03 (ft/year).
Water level trend calculations are based on an ordinary least squares (OLS) fit to the monthly average of all static water level data.
Cumulative Departure Precipitation (CDP) represents the running total of monthly differences from the average over the period. Downward trending sections typically indicate drier periods with lowered recharge, while upward trending segments indicate wetter than average periods with greater recharge.

Water Level Measurement Status

○ Static Water Level

Well Summary - 25N/02E-04B01 (SLA Aquifer)

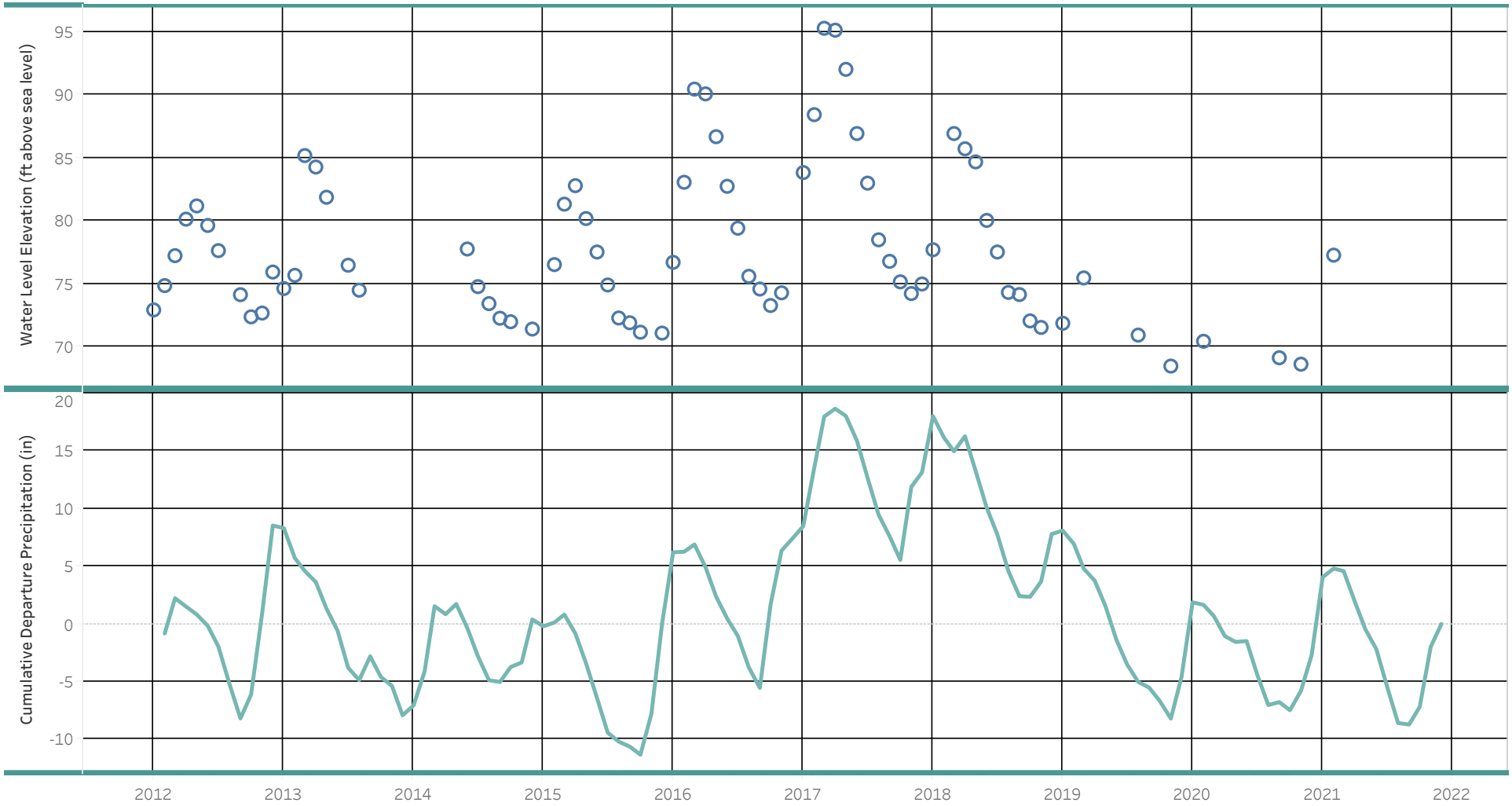


This chart displays a summary of water level data presented as a monthly average.
Static water level data for 25N/02E-04B01 spans 9 years, which included a maximum data collection gap (in months) of: 10.2. Estimated static water level trend is -0.06 (ft/year).
Water level trend calculations are based on an ordinary least squares (OLS) fit to the monthly average of all static water level data.
Cumulative Departure Precipitation (CDP) represents the running total of monthly differences from the average over the period. Downward trending sections typically indicate drier periods with lowered recharge, while upward trending segments indicate wetter than average periods with greater recharge.

Water Level Measurement Status
○ Static Water Level

Chloride Results
◇ Chloride Concentration

Well Summary - 25N/02E-04D01 (PA Aquifer)

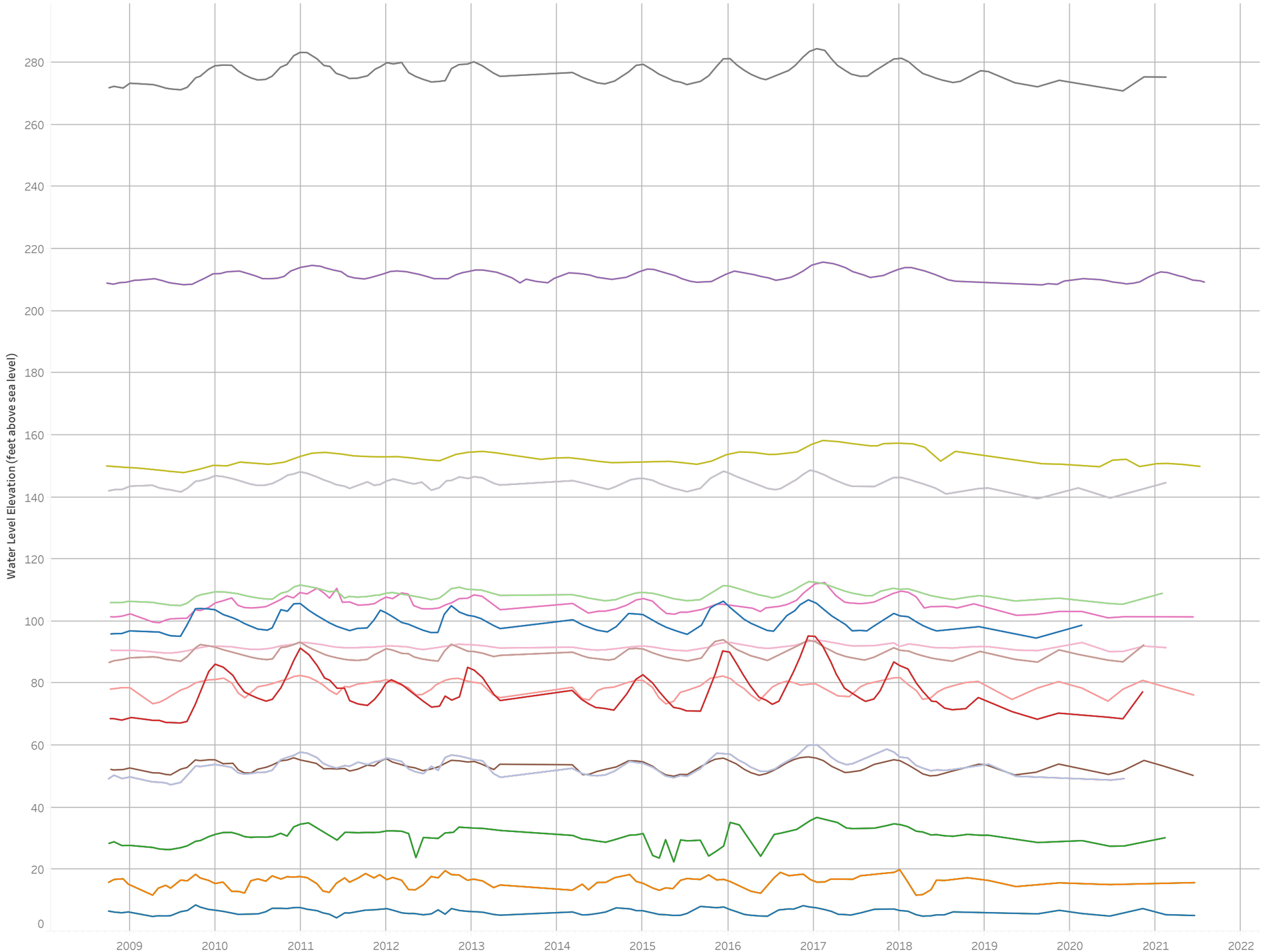


This chart displays a summary of water level data presented as a monthly average.
Static water level data for 25N/02E-04D01 spans 9 years, which included a maximum data collection gap (in months) of: 10.2. Estimated static water level trend is -0.11 (ft/year).
Water level trend calculations are based on an ordinary least squares (OLS) fit to the monthly average of all static water level data.
Cumulative Departure Precipitation (CDP) represents the running total of monthly differences from the average over the period. Downward trending sections typically indicate drier periods with lowered recharge, while upward trending segments indicate wetter than average periods with greater recharge.

Water Level Measurement Status

○ Static Water Level

Figure 2. **Perched Aquifer,** Static Water Level



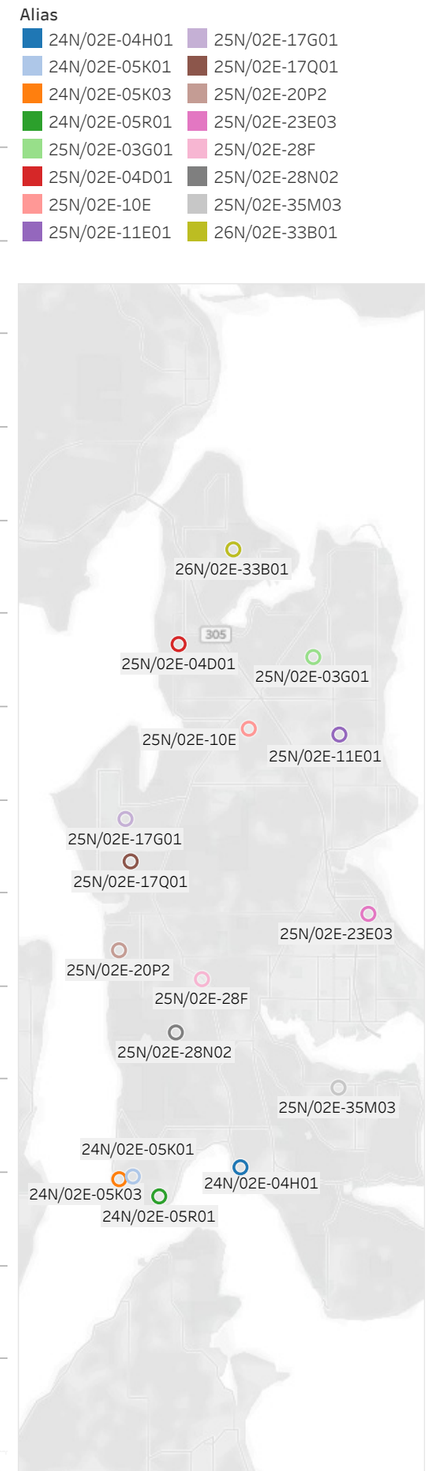


Figure 3. **Semi-Perched Aquifer,** Static Water Level

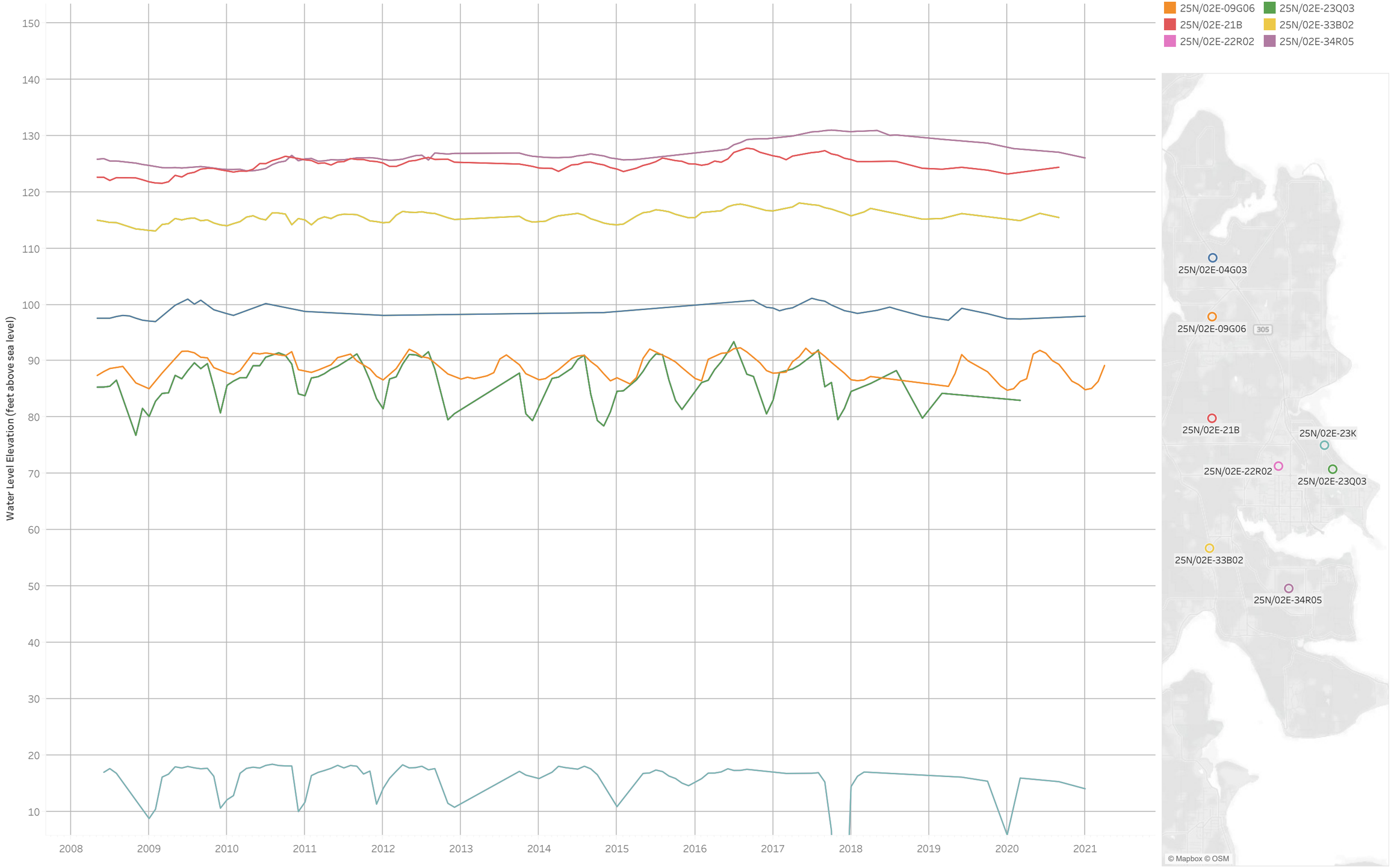
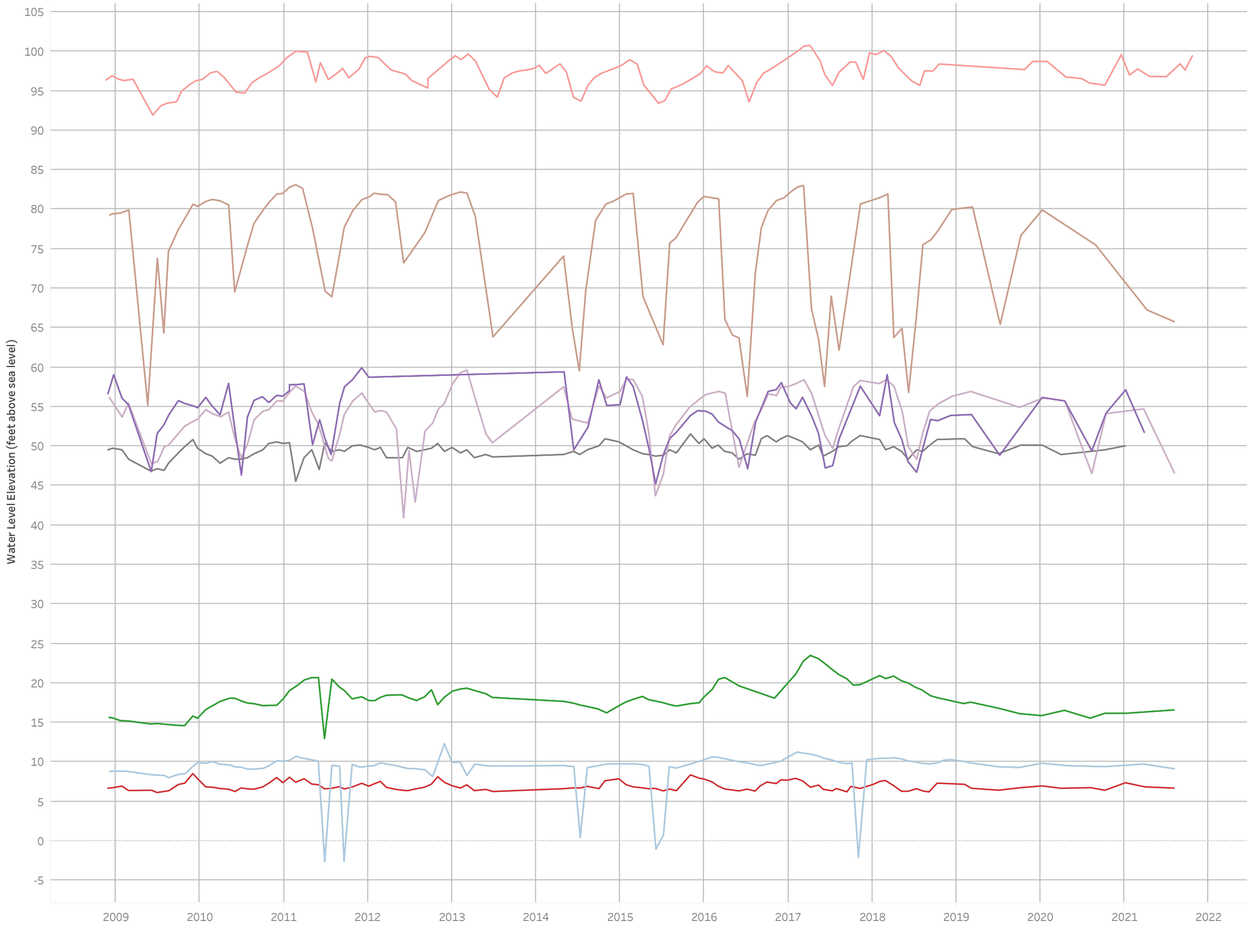


Figure 5. **Sea Level Aquifer Central,** Static Water Level



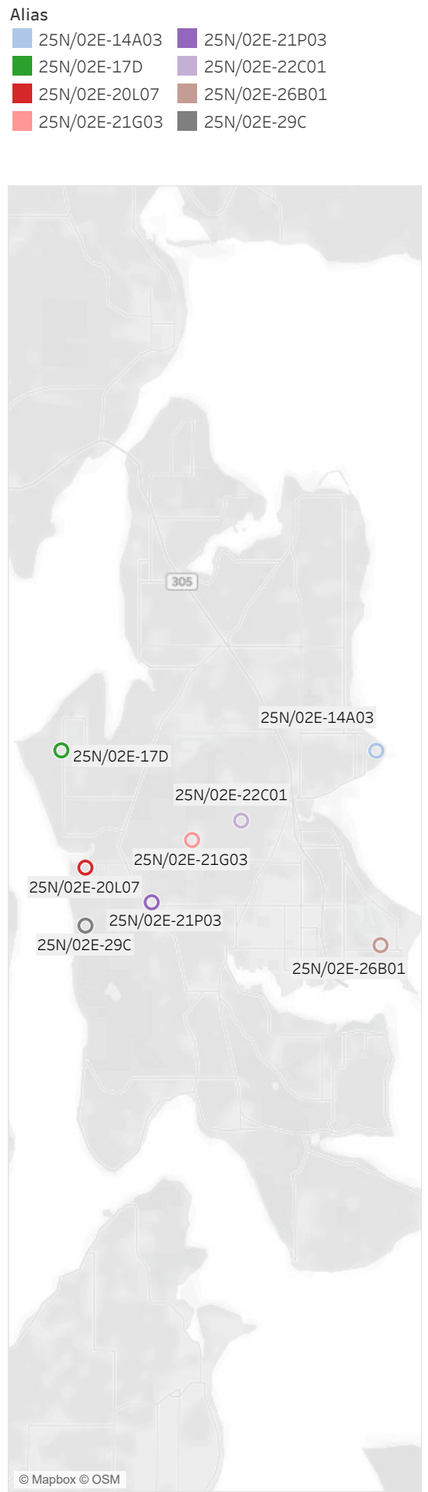
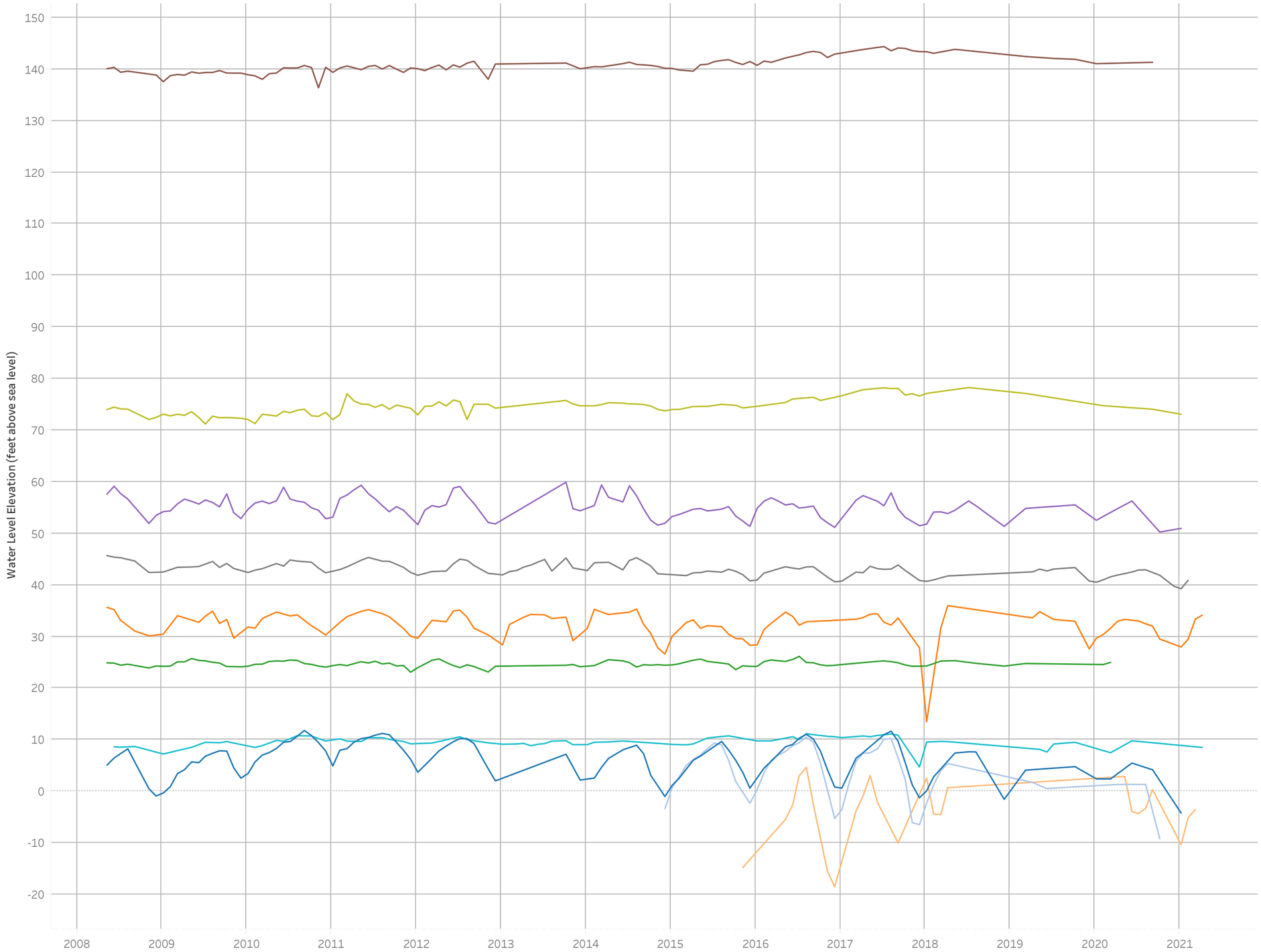


Figure 6. **Sea Level Aquifer South,** Static Water Level



Alias

- 24N/02E-3D02
- 24N/02E-04A09
- 24N/02E-04A10
- 24N/02E-05K02
- 25N/02E-33C
- 25N/02E-33F01
- 25N/02E-34C03
- 25N/02E-34F06
- 25N/02E-34J
- 25N/02E-35J03

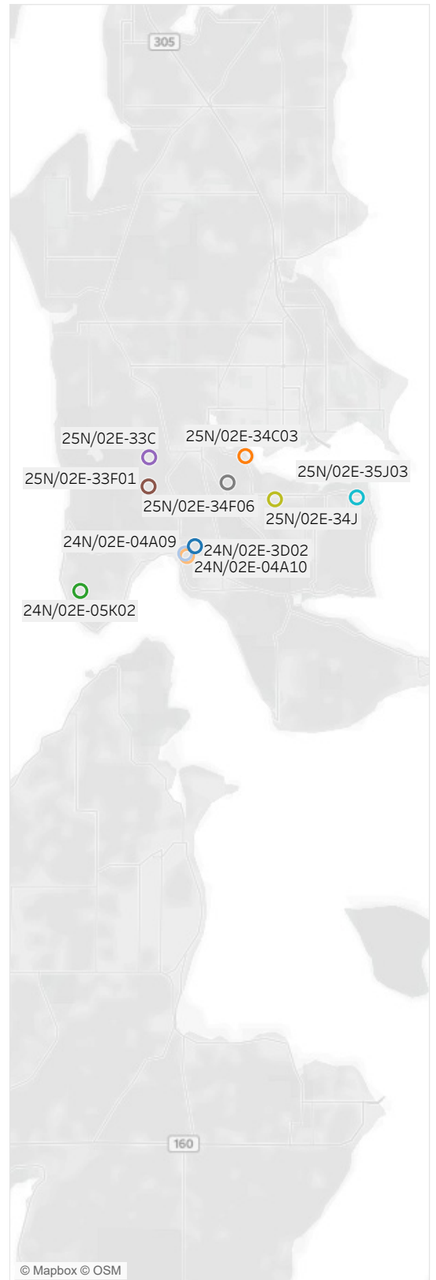


Figure 7. **Sea Level Aquifer, Head of the Bay Well Field,** Static Water Level

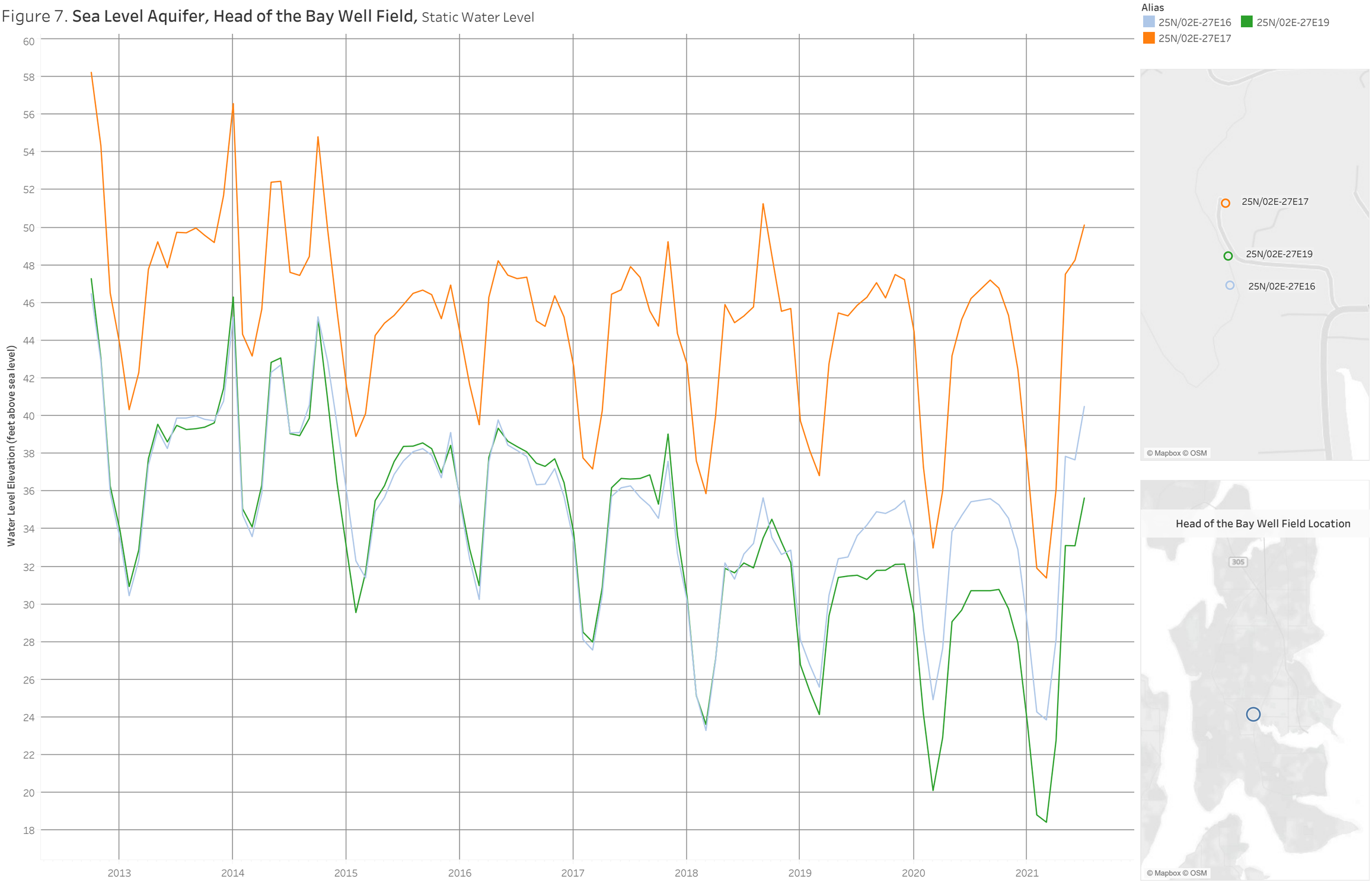


Figure 8. **Glaciomarine Aquifer,** Static Water Level

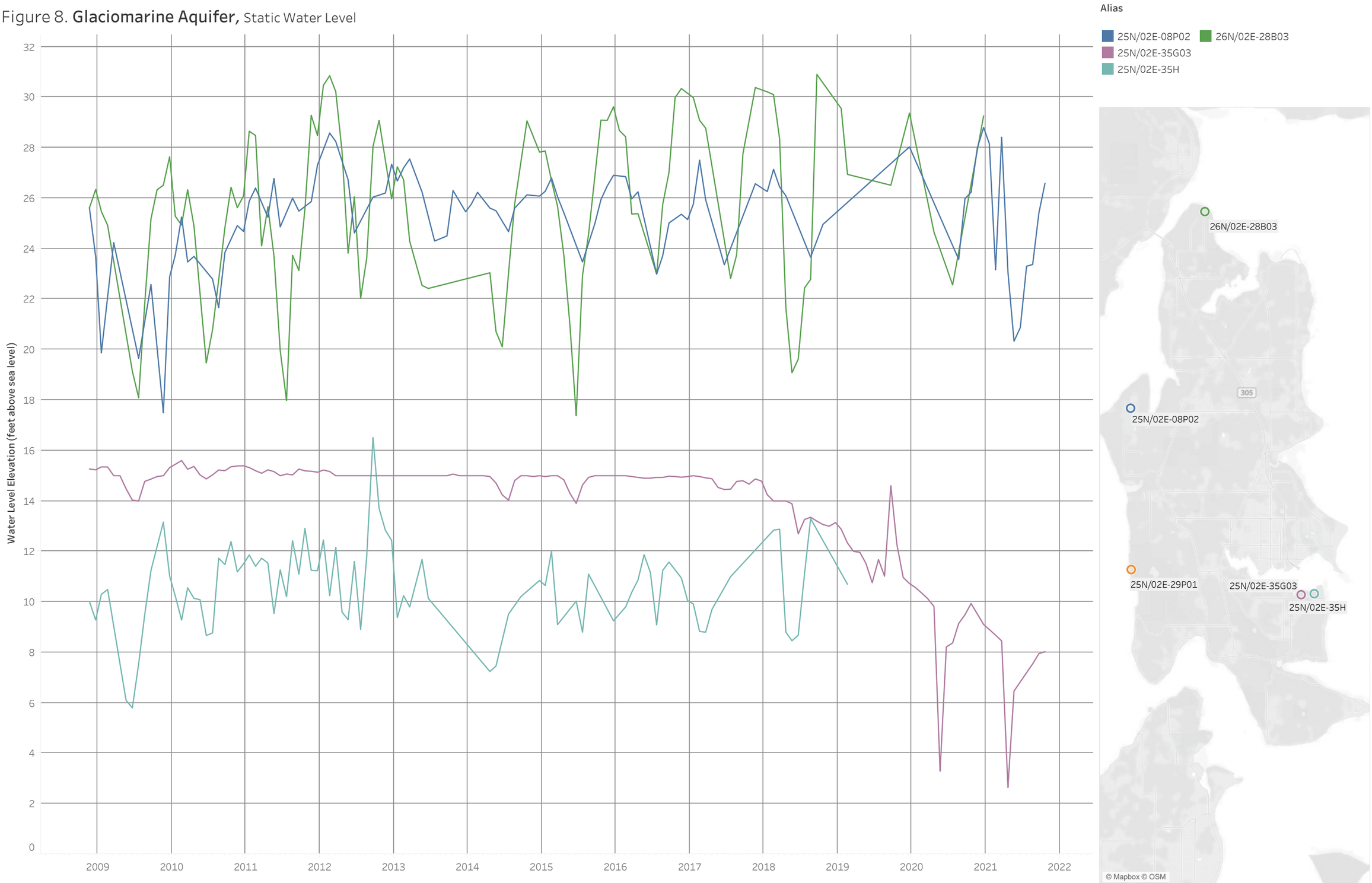
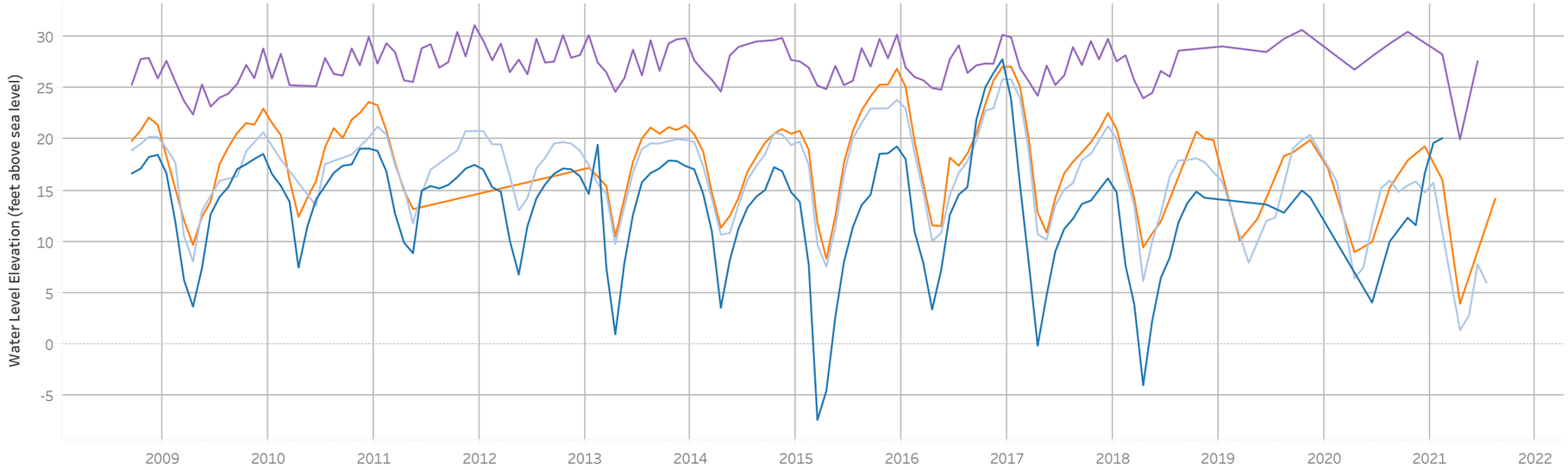
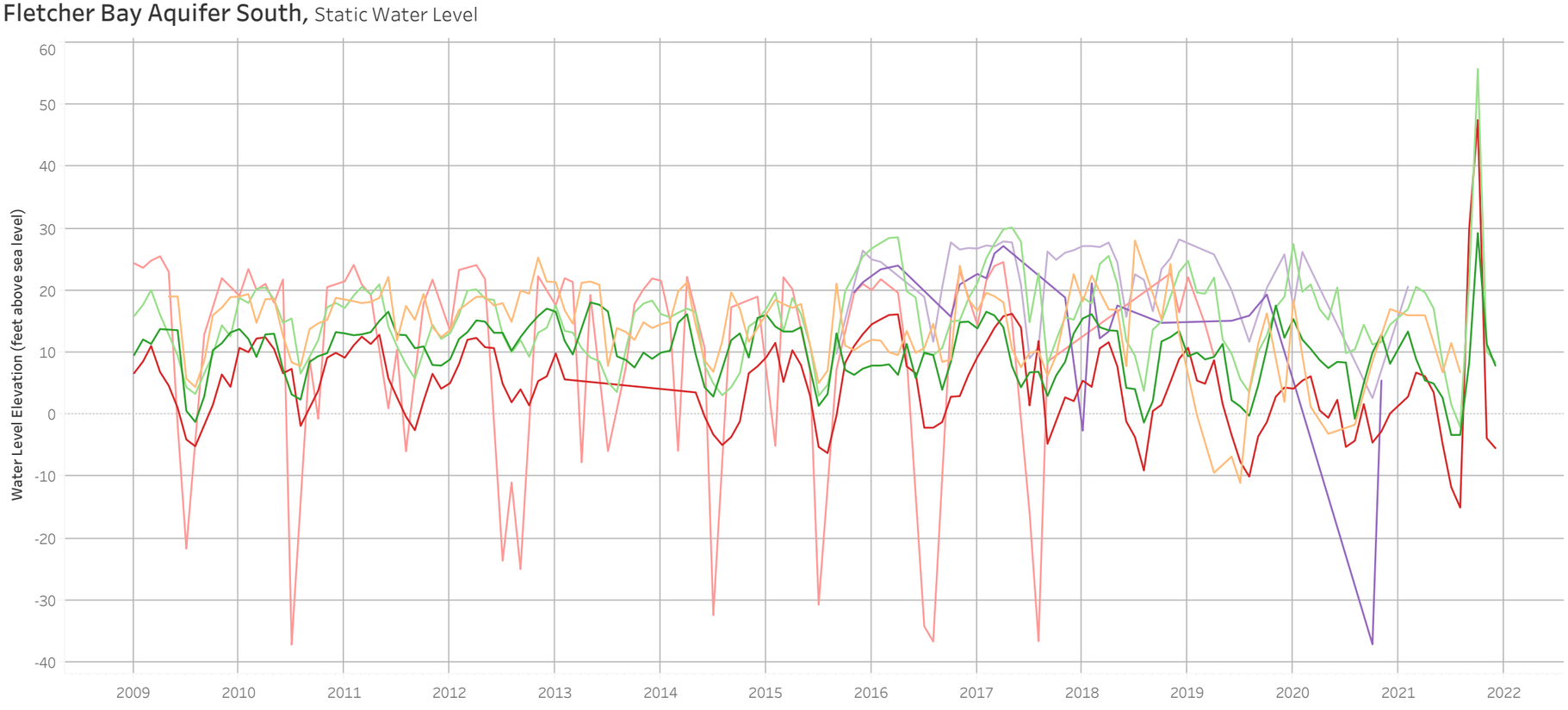


Figure 9.

Fletcher Bay Aquifer North, Static Water Level



Fletcher Bay Aquifer South, Static Water Level



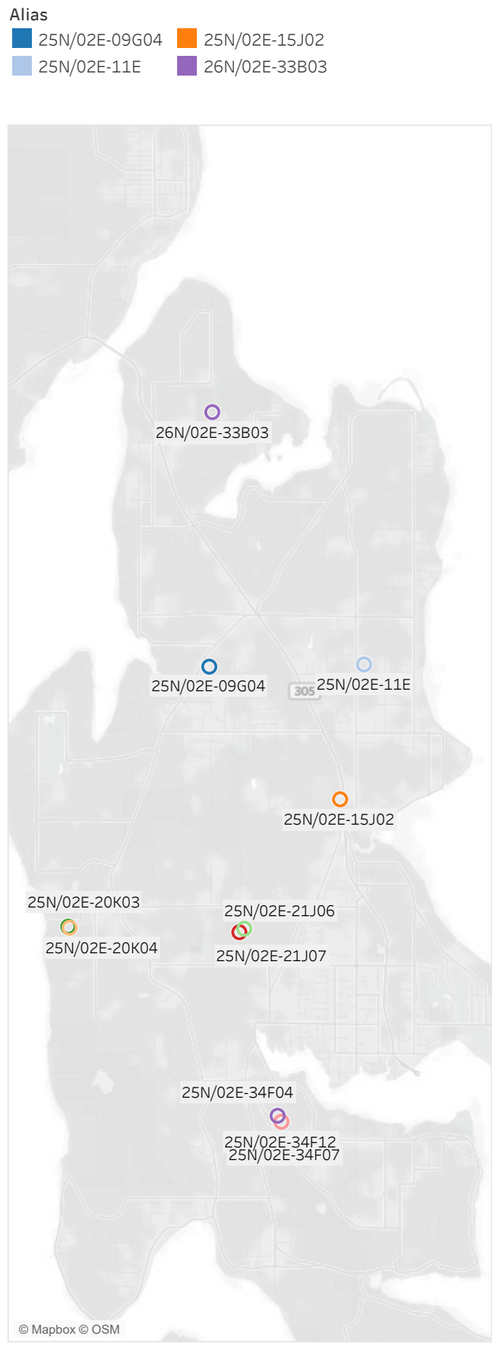
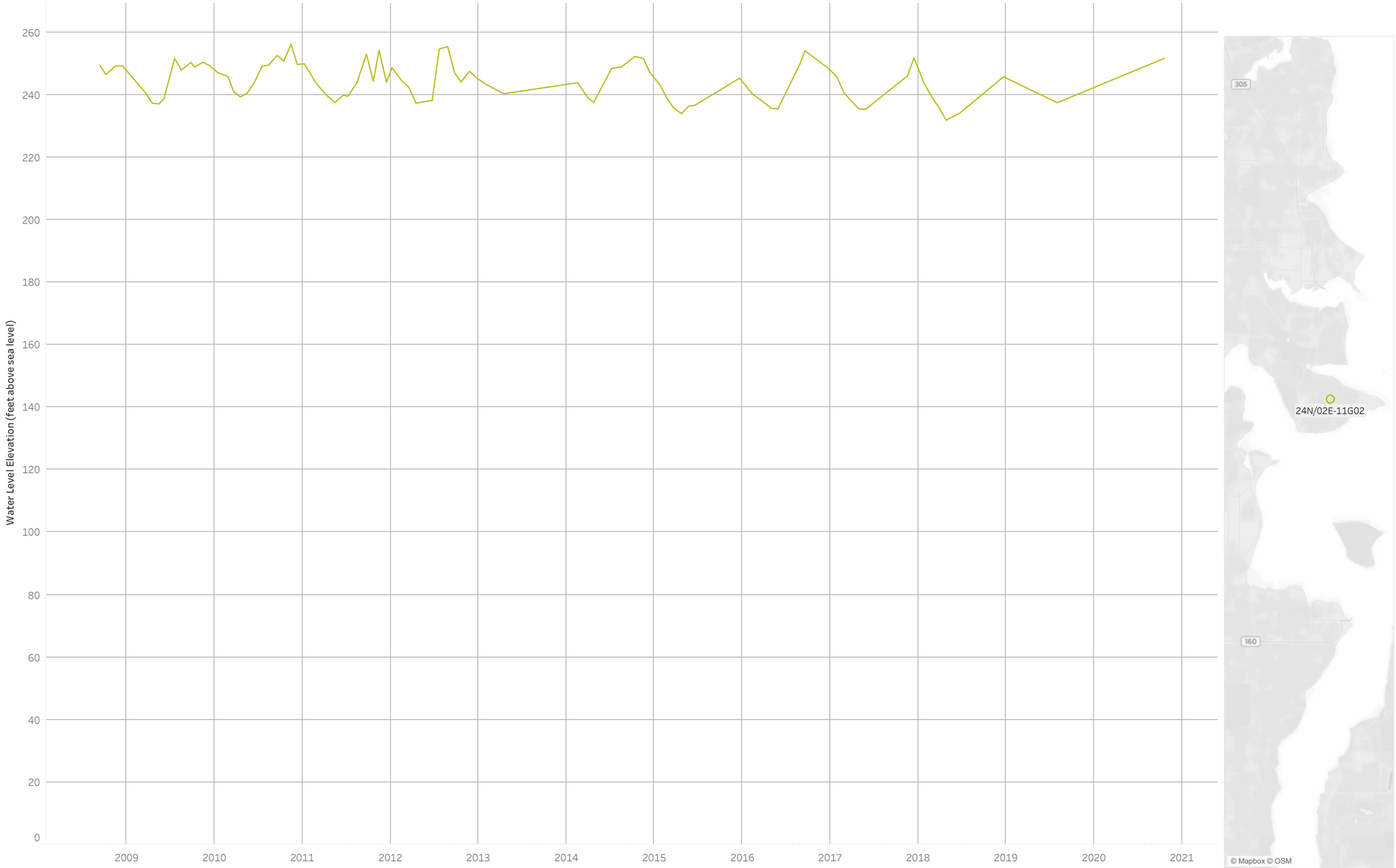


Figure 10. **Bedrock Aquifer,** Static Water Level



Groundwater Management Plan

Appendix F

Group B Well Details

ID Code	System Name	DOE Well ID	Number of wells	Depth (ft)
05386V	Agate Community	AES200	1	132
639476	Agate Point		1	145
06403E	Agatewood		1	60
63386X	Alford Homes I Water System		1	220
676137	Amber Water Assoc.	AAC657	1	565
02062P	Amis Water		1	103
03925E	Argonaut	AAC868	1	263
47489T	Arrow Point Water		1	148
03710B	Backland Well System		1	76
58132L	Bainbridge Green		1	113
037950	Bainbridge Is Saddle	AES146	1	NA
AC518	Bainbridge Island Marina		1	78
037971	Bainbridge Island Sportsmans Cl	AAA458	1	NA
07436U	Battle Point Water System		2	87 ft active / 89ft emergency
60446U	Bbd Water System		1	138
02114K	Bennett-Upton Water	AAA435	1	279
AC269E	Bergstrom Farm		1	175
03374E	Bernhard Water		1	272
919201	Bevins		1	47
AC773E	Big Fir	AEN668	1	261
95625F	Blakely		1	142
018992	Boetter Water		1	208
07725E	Booth Water		1	157
04728T	Bpib	AAA598	1	106
AA872F	Bronte	ABC696	1	518
40316V	Broomgerrie		1	100
60079M	Browning		1	390
669332	Cala Woods		1	73
05387C	Carole/Swink		1	256
184065	Casey Street Water Co. Llc	AAC215	1	103
11943U	Cedar Lane Water		1	174
36897E	Cedar Ponds Water System	AAC659	1	232
12210N	Cessna Water	AAC572	1	71
12975P	Churchill Water Corp.	AAC579	1	311
13340M	Clark Acres Water	AEK544	1	78
00435V	Clear Water	AAC590	1	377
136401	Clementz First Edition	AAC067	1	184
63436R	Davis Keith Cooperative		1	112
082101	Dawson/Tallon	AAC149	1	404
25956X	Day Road Water System	ACP353	1	67
02124U	Dolphin	AAC591	1	336
045949	Douglas Water System		1	99
073670	Eagledale Marina	ALP160	1	NA
00277N	Family Meadows Water		1	107
47284Y	Fletcher Bay Water		1	34
012891	Flora Water	AAA683	1	142

262753	Fox Cove Water		1	69
023623	Gale-Blair	AAC011	1	154
45453T	Gen-Don Water System		1	186
05845Y	Gordon	ALP172	1	168
05846F	Graham Estates	BCS283	1	69
01589D	Green Spot Water		1	310
01783K	Greene Water System		1	NA
02123A	Haley Water System		1	92
01768M	Hansen/Spellman		1	363
05385B	Heavenly Waters	AAC001	1	80
AA863N	Hemlock Street	AAC205	1	56
63441E	Hendel	AHS356	1	136
AC677K	Henderson Road		1	218
00911X	Hidden Cove	BAF052	1	230
004412	Hidden Cove West Water Co		1	292
AB708G	Holly Lane Gardens	AAC031	1	140
14766U	Hooper Point	AES187	1	98
60277V	Hume Water System		1	194
35353M	Iwihhy Inc		1	128
08661B	Johnston Well		1	318
023496	King, Carol/Ted Water		1	108
59889F	Kirk Ave Water	AAB688	1	119
025209	Laurelwood		1	224
65067N	Lazy Brook Farm	AAC714	1	78
68310B	Lee Memorial Water Assn	AAC050	1	96
66934K	Lightmoor	AAC787	1	73
610554	Little Manzanita Water	AAC024	1	421
63424F	Little, Crista Water	AAC023	1	162
05378M	Lone Eagle	AAC028	1	186
04729A	Lustbader-Preston	ABC620	1	120
50220X	Madrono Water Co		1	160
017885	Manual Road	AAC052	1	251
05382T	Manzanita Road	AAC034	1	292
51885W	Martinson Water	ABP968	1	130
01781J	McFarlane Water System		1	245
843250	McKeever Water System		1	117
526656	McKenzie Water System		1	117
03889X	Moran Water		1	120
00433U	Murphys	AES082	1	127
374213	Norris Sp 615 Water System	AAC035	1	108
01956L	Olallie Water Sysem		1	101
63698L	Olympus Beach Water		1	90
03852J	Onorato		1	68
661439	Park Place Water Company		1	75
AA881H	Parsons	AES176	1	175
011974	Peabody Water	AES329	1	227

00887P	Piper		2	39 (emergency) & 60 (permanent)
009427	Pleasant Lane Water	AAC010	1	116
AC163D	Port Madison Yacht Club	BAT980	1	533
19926C	Puget Bluff Lane Water		1	112
47436Y	Ralston Water System		1	265
07520L	Raven Ridge		1	152
075805	Reese, Roy	AEK528	1	53
638559	Rippy Water System		1	76
04239X	Ruys Lane		1	80
07555Y	Satterwhite	AAC745	1	124
AB242C	Schadel / Lewars		1	142
011995	Schold - Crystal Springs	AAA188	1	65
00574H	Seabold Acres Water Assoc.	AAC784	1	60
018950	Seabold Height Lots 10 &11	AAC797	1	1051
980334	Seabold Water	ALA779	2	985
05842D	Seattle Yacht Club	ACW018	1	673
035778	Skogen Eight	BAF051	1	212
AA8979	Skogen Lane		1	393
05236E	South Springridge Water	AAB538	1	305
60229L	Spellman Water System		1	64
17986T	Springwood Lane		1	130
60924X	Springwood No. 1	AAA671	1	130
01198M	Springwood No. 2	AAC097	1	120
37376U	Stetson Acres		1	93
845340	Stone-Erickson Water	AAC086	1	155
06341A	Strawberry Water System	ALP159	1	279
AD456F	Sugar Mill		1	223
454400	Sulu Water System	BCS287	1	179
861185	Sunset Heights Water	BAB172	1	185
876664	Thalberg Water System		1	159
AB876C	Toad Holler		1	132
AD3124	Tyee Yacht Club	AEN661	1	NA
00105P	Venice Water System		1	198
604331	Voda Works	AAC770	1	121
049240	Wagener		1	339
05376L	Wallace		1	200
935951	Waters, Owen Water System		1	204
369817	Wendt Water System		1	177
35842H	West Port Madison	AAC793	1	227
070539	Wheeler West		1	135
00702X	Woodhaven Farm Water		1	95

Groundwater Management Plan

Appendix G

Water Well Logs

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

ENTERED

WATER WELL REPORT

STATE OF WASHINGTON

Start Card No. W053442
Unique Well I.D. # AAC200
Water Right Permit No.

(1) OWNER: Name CORNING, STEVE & NORMA Address POB 400 EASTSOUND, WA 98245- 25-2E-3G

(2) LOCATION OF WELL: County KITSAP - SW 1/4 NE 1/4 Sec 3 T 25 N., R 2E WM
(2a) STREET ADDRESS OF WELL (or nearest address) OFF PHELPS RD., BAINBRIDGE IS.

(3) PROPOSED USE: DOMESTIC

(4) TYPE OF WORK: Owner's Number of well (If more than one) 1
NEW WELL Method: ROTARY

(5) DIMENSIONS: Diameter of well 6 inches
Drilled 141 ft. Depth of completed well 140.9 ft.

(6) CONSTRUCTION DETAILS:
Casing installed: 6 " Dia. from 0 ft. to 135.9 ft.
WELDED " Dia. from ft. to ft.
" Dia. from ft. to ft.

Perforations: NO
Type of perforator used
SIZE of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

Screens: YES
Manufacturer's Name HOUSTON
Type STAINLESS Model No.
Diam. 5 slot size 12 from 135.9 ft. to 140.9 ft.
Diam. slot size from ft. to ft.

Gravel packed: NO Size of gravel
Gravel placed from ft. to ft.

Surface seal: YES To what depth? 18 ft.
Material used in seal BENTONITE
Did any strata contain unusable water? NO
Type of water? Depth of strata ft.
Method of sealing strata off

(7) PUMP: Manufacturer's Name STA-RITE
Type SUBMERSIBLE H.P. 1

(8) WATER LEVELS: Land-surface elevation above mean sea level ... ft.
Static level 116 ft. below top of well Date 06/10/96
Artesian Pressure lbs. per square inch Date
Artesian water controlled by

(10) WELL LOG

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change in formation.

MATERIAL	FROM	TO
BROWN CLAY	0	8
BROWN SAND & CLAY	8	20
GREY CLAY & GRAVEL	20	29
GREY CLAY	29	38
GREY SAND & GRAVEL CLAY	38	39
STICKY BROWN GREY CLAY	39	49
BROWN CLAY & GRAVEL	49	52
DIRTY BROWN SAND GRAVEL	52	61
DARK GREY CLAY	61	90
BROWN CLAY & GRAVEL	90	94
BROWN DIRTY GRAVEL	94	114
GREY CLAY WOOD PEAT	114	116
BROWN CLAY GRAVEL WOOD	116	118
DIRTY RED GRAVEL BROWN CLAY	118	141
	141	

RECEIVED
JUN 20 1996
DEPT. OF ECOLOGY

Work started 06/06/96 Completed 06/07/96

(9) WELL TESTS: Drawdown is amount water level is lowered below static level.
Was a pump test made? NO If yes, by whom?
Yield: gal./min with ft. drawdown after hrs.

Recovery data
Time | Water Level | Time | Water Level | Time | Water Level

Date of test / /
Bailer test 10 gal/min. 137 ft. drawdown after .4 hrs.
Air test gal/min. w/ stem set at ft. for hrs.
Artesian flow g.p.m. Date
Temperature of water Was a chemical analysis made? NO

WELL CONSTRUCTOR CERTIFICATION:
I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

NAME DUCKWORTH PUMP & DRILLING
(Person, firm, or corporation) (Type or print)

ADDRESS 18365 DIAMOND DRIVE NE Donald D. Duckworth

[SIGNED] _____ License No. 1148 1147

Contractor's
Registration No. DUCKWPW148CJ Date 06/11/96

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

Lacey, WA 98503-0210. Do not send cash.

This notification number must be provided to your well driller: W 053442

Well Size: 1. New well less than 12" in diameter - Amount of payment $100.00
2. New well 12" in diameter, or more - Amount of payment $200.00

Amount Enclosed $ 100.00

Owner's Name STEVE & NORMA CORNING

Agency Validation
CJ 461D0958
Date: MAY 20 1996

Submitted By (return address)

Name Duckworth Pump & Well Drilling
Mailing Address 18365 Diamond Drive N.E.
City Poulsbo State WA Zip 98370

Continued on back ——→

ECY 040-21 (12/93)

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

File Original [illegible]
Department of Ecology
Second Copy [illegible]
Third Copy [illegible]

WATER WELL REPORT

STATE OF WASHINGTON 25/2E-33C (Permit No.)

(1) OWNER: Name KITSAP PUD #2 Address P.O. BOX 641, PORT ORCHARD, WA 98366

(2) LOCATION OF WELL: County KITSAP NE¼ NW¼ Sec. 33 T 25 N, R 2 E W.M.

Street and distance from section or subdivision corner "GAZZAM LK WELL"

(3) PROPOSED USE: Domestic ☐ Industrial ☐ Municipal ☐ Irrigation ☐ Test Well ☒ Other ☐

(4) TYPE OF WORK: Owner's number of well (if more than one) GAZZAM LAKE
New well ☒ Method: Dug ☐ Bored ☐ Deepened ☐ Cable ☐ Driven ☐ Reconditioned ☐ Rotary ☒ Jetted ☐

(5) DIMENSIONS: Diameter of well 6 inches. Drilled 1210 ft. Depth of completed well 375 ft.

(6) CONSTRUCTION DETAILS:

Casing installed: 6" Diam. from 0 ft. to 340 ft.
Threaded ☐ 5" Diam. from 334 ft. to 375 ft.
Welded ☒ " Diam. from ft. to ft.

Perforations: Yes ☐ No ☒
Type of perforator used
SIZE of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

Screens: Yes ☒ No ☐ Manufacturer's Name U.O.P. JOHNSON
Type TELESCAPE Model No. 24 SS
Diam. 6" Slot size .020 from 340 ft. to 375 ft.
Diam. Slot size from ft. to ft.

Gravel packed: Yes ☐ No ☒ Size of gravel:
Gravel placed from ft. to ft.

Surface seal: Yes ☒ No ☐ To what depth? 19 ft.
Material used in seal CEMENT
Did any strata contain unusable water? Yes ☐ No ☒
Type of water? Depth of strata
Method of sealing strata off

(7) PUMP: Manufacturer's Name
Type: H.P.

(8) WATER LEVELS: Land-surface elevation above mean sea level 264 ft.
Static level 209.8 ft below top of well Date 7-15-81
Artesian pressure lbs. per square inch Date
Artesian water is controlled by (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☒ No ☐ If yes, by whom? NORSEL
Yield: 30 gal./min. with 96.6 ft drawdown after 2.25 hrs
" " " " " "
" " " " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level
2 min	229.5	8	210.8	20	210.1
4	212.2	10	210.6	25	209.9
6	211.0	15	210.4		

Date of test 7-15-81
Bailer test gal./min. with ft drawdown after hrs
Artesian flow g.p.m. Date
Temperature of water Was a chemical analysis made? Yes ☒ No ☐

(10) WELL LOG: 25/2E-33C

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL	FROM	TO
GRAY TILL	0	21
BROWN PEBBLY SAND	21	140
GRAY PEBBLY SILT	140	166
BROWN PEBBLY SAND	166	185
GRAY SILT GRADING TO VERY FINE SAND	185	235
GRAY SILT	235	337
GRAY SILTY SAND AND GRAVEL	337	385
GRAY CLAYEY SILT	385	481
BROWNISH GRAY SILT	481	501
GRAY CLAYEY SILT GRADING TO GRAY CLAY BELOW 700 FEET	501	902
BROWN SILT WITH WOOD FRAGMENTS	902	907
GRAY CLAYEY SILT	907	1063
GRAY SILT	1063	1100
GRAY SILTY CLAY	1100	1104
GRAY PEBBLY SILT	1104	1153
GRAY SILTY VERY FINE SAND	1153	1169
GRAY SILT	1169	1210

Work started 4-6 19 81 Completed 6-19 19 81

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report true to the best of my knowledge and belief.

NAME RICHARDSON WELL DRILLING (Person, firm, or corporation) (Type or print)
Address P.O. BOX 44427 TACOMA, WA 98444
[Signed] (Well Driller)
License No. 446 Date , 19

(USE ADDITIONAL SHEETS IF NECESSARY)

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

Bruner, Marian (ECY)

From: Marty Sebren [marty@kpud.org]
Sent: Tuesday, February 23, 2010 3:05 PM
To: Bruner, Marian (ECY)
Subject: Well Logs contact

To Whom It May Concern:

In the table below I have associated **well_log_id** with **well_tag_nr** for a number of older Kitsap PUD well logs where your system currently lacks the well_tag_nr. Please update your system with the **well_tag_nr** provided here.

well_log_id	well_tag_nr	well_depth_qt	well_diameter_qt	well_owner_nm
66900	AAA106	212	12	KITSAP COUNTY PUD
66901	AAC799	364	12	KITSAP COUNTY PUD #1
66902	AAA111	1030	6	KITSAP COUNTY PUD #1
66903	AAA110	402	8	KITSAP COUNTY PUD #1
66904	AAA012	805	10	KITSAP COUNTY PUD #1
66905	AAA014	338	12	KITSAP COUNTY PUD NO. 1
66910	AAC340	1070	6	KITSAP PUD #1
66912	ACK363	375	6	KITSAP PUD #1
66913	AAA102	466	6	KITSAP PUD #1
66914	AAA015	329	12	KITSAP PUD #1
66915	AAA710	330	22	KITSAP PUD NO. 1
66916	AAA013	335	16	KITSAP PUD NO. 1
278452	AAA707	809	16	KITSAP PUD NO. 1
69371	AAB416		8	PUD #1, KITSAP COUNTY
69372	AAB471	239	12	PUD NO 1 OF KITSAP COUNTY
69373	AAA717	587	8	PUD NO 1 OF KITSAP COUNTY
69374	AAB406	414	12	PUD NO. 1 OF KITSAP CO.
70898	AAA713	473	8	SUQUAMISH WELL NO. 2 (KPUD)

Martin B. Sebren, L.H.G.

Public Utility District No. 1 of Kitsap County

PO Box 1989

Poulsbo, WA 98370

Office: (360) 626-7722

Cell: (360) 265-6553

Fax: (360) 697-4197

e-mail: sebe@kpud.org

of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

GWA-11931

STATE OF WASHINGTON
DEPARTMENT OF CONSERVATION
DIVISION OF WATER RESOURCES

WELL LOG

Record by Driller
Source Driller's Record

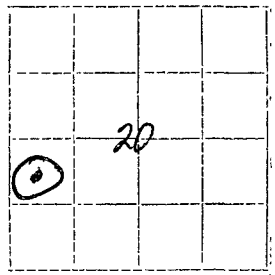


Diagram of Section

Location: State of WASHINGTON
County Kitsap
Area
Map
NW ¼ SW ¼ sec. 20 T. 26 N., R. 2 E. W.

Drilling Co. Story-Armstrong Co.
Address Puyallup
Method of Drilling Cable Date 4/26-5/13, 19 71
Owner PUD #1, Kitsap County
Address Port Orchard
Land surface, datum 267' ft. above ~~below~~ Sea Level
SWL: 199.1' Date May, 1971 Dims.: 8" X 450'

26/2E-20M
File number

Correlation	Material	From (feet)	To (feet)
	Sand, & Silt, Sandy, Very Fine Water Bearing	0	90
	Clay, Silty, Gray & Sand, Very Fine	90	189
	Sand & Gravel w/silt, Gray	189	227 ½
	Sand, Med. & Coarse, Gravel, some water bearing brown clay	227½	247
	Sand & Gravel, Water Bearing	247	259
	Sand, Fine, Very Fine, Some Silt, Gravel	259	304
	Sand & Gravel, Gray, Water B.	304	306 ½
	Sand & Gravel, Some Silt, Cemented, Gray	306½	323
	Continued		

(Transcribe driller's terminology literally but paraphrase as necessary, in parentheses If material water-bearing, so state and record static level if reported Give depths in feet below land-surface datum unless otherwise indicated Correlate with stratigraphic column, if feasible Following log of materials, list all casings, perforations, screens, etc.)

Turn up

Sheet ... of ... sheets

WELL LOG.—Continued No...../.....-.....

CORRELATION	MATERIAL	From (feet)	To (feet)
	Depth forward	———	
	Gravel to 4" & Sand, Gray Water Bearing	323	345
	Silt & Clay, Gray	345	416
	Clay w/Gravel, Gray	416	418
	Silt, w/Sand & pebbles, Gray-Green, Water Bearing	418	432
	Clay w/Gravel, Gray	432	437
	Silt, Black - occasional shell fragment	437	450
	Casing: 8" from 0 to 437'		
	Perforations: Mills Knife 10 per ft. from 325' to 345'		

S. F. No. 7449—OS—12-65.

of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT

STATE OF WASHINGTON

Application No. 24/02-28 C

Permit No. ....

(1) **OWNER:** Name [redacted] Address .....

(2) **LOCATION OF WELL:** County KITSAP NW¼ SW¼ SE¼ Sec. 28 T. 26 N., R. 2E W.M.

Bearing and distance from section or subdivision corner

(3) **PROPOSED USE:** Domestic ☑ Industrial ☐ Municipal ☐ Irrigation ☐ Test Well ☐ Other ☐

(4) **TYPE OF WORK:** Owner's number of well (if more than one) ....
New well ☑ Method: Dug ☐ Bored ☐ Deepened ☐ Cable ☐ Driven ☐ Reconditioned ☐ Rotary ☐ Jetted ☐

(5) **DIMENSIONS:** Diameter of well 6 inches. Drilled 274 ft. Depth of completed well 274 ft.

(6) **CONSTRUCTION DETAILS:**

Casing installed: 6" Diam. from 0 ft. to 220 ft.
Threaded ☐ ..." Diam. from ... ft. to ... ft.
Welded ☑ ..." Diam. from ... ft. to ... ft.

Perforations: Yes ☐ No ☑
Type of perforator used ....
SIZE of perforations ... in. by ... in.
... perforations from ... ft. to ... ft.
... perforations from ... ft. to ... ft.
... perforations from ... ft. to ... ft.

Screens: Yes ☑ No ☐ JOHNSON
Manufacturer's Name ....
Type STAINLESS Model No. ....
Diam. [illegible] Slot size ... from ... ft. to ... ft.
Diam. 5" Slot size 12 from 270 ft. to 274 ft.

Gravel packed: Yes ☐ No ☑ Size of gravel: ....
Gravel placed from ... ft. to ... ft.

Surface seal: Yes ☑ No ☐ To what depth? 18 ft.
Material used in seal BENTONITE
Did any strata contain unusable water? Yes ☐ No ☑
Type of water? ... Depth of strata ....
Method of sealing strata off ....

(7) **PUMP:** Manufacturer's Name NEBTROL
Type: SUBMERSIBLE H.P. 1½

(8) **WATER LEVELS:** Land-surface elevation above mean sea level ? ft.
Static level 212 ft. below top of well Date 2-14-79
Artesian pressure ... lbs. per square inch Date ....
Artesian water is controlled by ... (Cap, valve, etc.)

(9) **WELL TESTS:** Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☑ No ☐ If yes, by whom? OWN
Yield: 20 gal./min. with 12 ft. drawdown after 5 hrs.
" " " "
" " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test ....
Bailer test 15 gal./min. with 11 ft. drawdown after 5 hrs.
Artesian flow ... g.p.m. Date ....
Temperature of water ... Was a chemical analysis made? Yes ☐ No ☑

(10) **WELL LOG:**

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL	FROM	TO
Top soil	0	2'
Brown SANDY CLAY	2'	34'
Blue CLAY	34'	36'
Blue SILT	36	60
Blue Clay	60	271
SAND & WATER	271	275
Blue CLAY	275	?

Work started 1-30 1979 Completed 2-14 1979

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME Inc Cox Drilling & Well Development (Person, firm, or corporation) (Type or print)

Address 2401 South Bayview St. Seattle W

[Signed] Wm Roberts (Well Driller)

License No. 0619 Date 2-14 1979

(USE ADDITIONAL SHEETS IF NECESSARY)

318245

26-2E-34P

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

☑ Construction ☐ Decommission Original Installation Notice of Intent Number:

Washington State Dept. of Ecology Water Well Report

Original-Ecology, Copy 1-Owner, Copy 2-Driller

Proposed Use ☐ Domestic ☐ Industrial ☑ Municipal ☐ DeWater ☐ Irrigation ☐ Test Well Other

Type of Work:

Owners number of well (if more than one):

☑ New Well ☐ Reconditioned ☐ Dug ☐ Bored ☐ Driven ☐ Deepened ☑ Cable ☐ Rotary ☐ Jetted

Dimensions

Diameter of well inches: 5 Feet Drilled: 673

Depth of Completed Well Ft: 673

Construction Details: Casing Installed:

☑ Welded 6 " Diam. from 0 ft to: 565 ft

☐ Liner 5 " Diam from 0 ft to 654 ft

☐ Threaded 0 " Diam from 0 ft to 0 ft

Perforations: ☐ Yes ☑ No

Type of perforator used:

Perf Size 0 in by 0 in and no of perfs 0 from 0 ft to 0

Screens: ☑ Yes ☐ No ☐ K-Pac Location: 648

Manufacuters Name: johnson

Type: stainless Model No: deep set

Diam 5 Slot Size: 4 from 653 ft to 673 ft

Diam 0 Slot Size: 0 from 0 ft to 0 ft

Gravel/Filter Packed: ☐ Yes ☑ No Size of Gravel/Sand:

Materials placed from: 0 ft to 0 ft

Surface Seal ☑ Yes ☐ No To what depth? 23 ft

Material Used in Seal: bentonite

Did any strata contain unusable water? ☐ Yes ☑ No

Type of Water? Depth of strata 0 ft

Method of sealing strata off:

Pump: Manufacturers Name: STA RITE

Type: 30p submersible HP: 5

Water Levels: Land-surface elvation above mean sea level 100 ft

Static level 79 ft below top of well. Date: 10/16/2008

Artesian pressure 0 lbs per square in. Date

Artesian water is controlled by:

Well Tests:

Was a pump test made? ☑ Yes ☐ No If yes by whom? driller

Yield: 40 gal/min with 172 ft drawdown after 8 hrs

Yield: 0 gal/min with 0 ft drawdown after 0 hrs

Yield: 0 gal/min with 0 ft drawdown after 0 hrs

Time	Water Level	Time	Water Level	Time	Water Level
4:00	251	4:01	214	4:02	189
4:03	170	4:04	156	4:05	145
4:15	107	4:30	96	5:00	88

Pump Test Date: 10/16/2008

Bailer Test 20 gal/min with 85 ft drawdown after 8 hrs

Airtest 0 w/stem set at 0ft for 0 hrs

Artesian flow 0g.p.m Date

Temp of Water: Was a chemical analysis made? ☑ Yes ☐ No

Current:

Notice of Intent No: W234492

Unique Ecology Well ID Tag No BAF051

Water Right Permit No:

Property Owner Name: Seattle Yacht Club

Well Street Address: Spargur Loop Rd

City B.I. County: #18 KITSAP

Location SE 1/4-1/4 SW 1/4 Sec 34 Twn: 26N R: 2

Lat Deg: Lat Min/Sec: ☑ EWM

Long Deg: Long Deg/Sec: ☐ WWM

Tax Parcel No: 34260230752008

Construction or Decommission Procedure

Formation: Describe by color, character, size of material and structure, and the kind and nature of material in each stratum penetrated, with at least one entry for each change of information indicate all the water encountered.

Material		From	T
hardpan Sandy w/ rocks	brown	0	4
Hardpan Rocky	brown	4	12
Sand claybound	brown	12	69
Sand & gravel cemented	brown	69	72
Silt	blue	72	105
Silt compact sticky	blue	105	158
Silt compact w/ grits	blue	158	251
Silt compact sticky	blue	251	490
Silt compact hard	blue	490	565
Silt compact	blue	565	612
Silt sandy	gray	612	651
Sand fine loose	gray	651	673
Silt sandy	gray	673	
		0	0
		0	0
		0	0
		0	0
		0	0
		0	0
		0	0
		0	0
		0	0
		0	0
		0	0
		0	0
		0	0
		0	0
		0	0
		0	0
		0	0

RECEIVED

OCT 21 2008

Dept of Ecology

WR-NWRO

Start Date: 8/26/2008 Completed Date: 10/16/2008

Well Construction Certification: I constructed and/or accept responsibility for the construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

☑ Driller ☐ Engineer ☐ Trainee Name: Glen Crabtree

Driller/Engineer/Trainee Signature

Driller or Trainee License No: 1443

If trainee, licensed driller's

Signature and License No.

Drill Co Name: Crabtree Well Drilling

Address: 33349 Eglon Rd NE

City,State,Zip: Kingston, WA 98346-

Contractors Registration No: CRABTDC09702 Date: 10/18/2008

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

File original and first copy with Department of Ecology
Second Copy - Owner's Copy
Third Copy - Driller's Copy

27662

WATER WELL REPORT
STATE OF WASHINGTON

Start Card No. W 01128
UNIQUE WELL I.D. # ACP 535
Water Rights Permit No.

(1) OWNER: Name: ROBERT F DAWSON Address: 17201 KINNEAR RD. NE, BAINBRIDGE ISLAND, WA 98110

(2) LOCATION OF WELL: County: KITSAP NW 1/4 of the NE 1/4, Sec. 28, Twnsp 26 N, R. 2 E W M.

(2a) STREET ADDRESS OF WELL (or nearest address) (LOT 8) AGATE STREET NE, BAINBRIDGE ISLAND, WA 98110

(3) PROPOSED USE: ☒ Domestic ☐ Test well ☐ Irrigation ☐ Municipal ☐ Industrial ☐ Dewater ☐ Other

(4) TYPE OF WORK: Owner's number of well(if more than one): 1
☐ Abandoned ☐ New well Method: ☐ Dug ☐ Bored ☒ Deepened ☒ Cable ☐ Driven ☐ Reconditioned ☐ Rotary ☐ Jetted

(5) DIMENSIONS: Diameter of well: 6 inches
Drilled 404 feet Depth of completed well 404 feet

(6) CONSTRUCTION DETAILS:
Casing installed: 6 in diam. from 108 ft. to 399 ft.
☒ Welded in diam. from ft. to ft.
☐ Liner installed in. diam from ft to ft.
☐ Threaded in diam from ft. to ft.

Perforations: Were perforations made? ☐ Yes
Perforator type:
Size of perforation in by: in.
Perforations from ft. to ft.
Perforations from. ft. to ft.

Screens: ☒ Screens installed
Manufacturer's name: FNW
Type. Telescoping
Diam. 6 in slot size .018 from 399 ft. to 404 ft.
Diam in slot size from ft. to ft.

Gravel: ☐ Yes Size of gravel: in.
Gravel Placed from. ft. to ft.

Surface seal: ☒ Yes To what depth? 18 ft.
Material used in seal: Bentonite
Did any strata contain unusable water? ☐ Yes
Type of water: Depth of strata: ft.
Method of sealing strata.

(7) PUMP: Manufacturer's name: Goulds
Type Submersible HP: 3

(8) WATER LEVELS Land-surface elevation above mean sea-level: 120 ft.
Static level: 87 ft. below top of well Date: 5/9/00
Artestian pressure: PSI Date:
Artesian water is controlled by:

(9) WELL TESTS Drawdown is amount water level is lowered below static level
Was a pump test made? ☒ Yes, by: Don Lofall
Yield: 25 GPM with 132 ft. drawdown after 4 hrs
Yield. GPM with ft drawdown after hrs
Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water level	Time	Water level	Time	Water level
10 min	114'	30 min.	91'	2 hrs.	89'
20 min.	95' 6"	1 hr	89' 3"		

Date of test: 5/9/00
Bailer test: 25 GPM with 130 ft drawdown after 3 hrs.
Air test: GPM with stem set at ft. for hrs.
Artesian flow: GPM Date
Temp. of water: deg Was a chemical analysis made? ☒ Yes

(10) WELL LOG or ABANDONMENT PROCEDURE DESCRIPTION 26-2E-28B

Formation Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least on entry for each change of information

MATERIAL	FROM	TO
GRAY SILTY SAND	118'	145'
GRAY SILTY SAND W/B	145'	176'
BLUE CLAY	176'	186'
GRAY SAND W/B	186'	186 5
BLUE CLAY	186.5	395'
GRAY SAND & GRAVEL W/B	395'	?

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JUL 2 5 2000
DEPT OF ECOLOGY

Work started: 4/21/00 Work completed: 5/9/00

WELL CONSTRUCTOR CERTIFICATION:
I constructed and / or accept reponsibility for construction of this well, and to the compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

Contractor: LOFALL WELL DRILLING
Address. 180 NW Lofall Rd, Poulsbo, WA 98370
Signed: (Well Driller) License # 1029
Contractor's Registration No LOFALWD124C5 Date 5/4/2000

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

WALTER D. PATERSON & ASSOCIATES

Pumping Test Record

Well Name: N. Bainbridge Water #9 Pumping ✓ Observ. ____

Location: SW 1/4 NE 1/4 Sec 9 T25N R2E Elevation: 120 ft MSL (est)

M.P.: Top of sounding tube (1.3 ft above top 20" SWL: 91.97 ft below M.P.

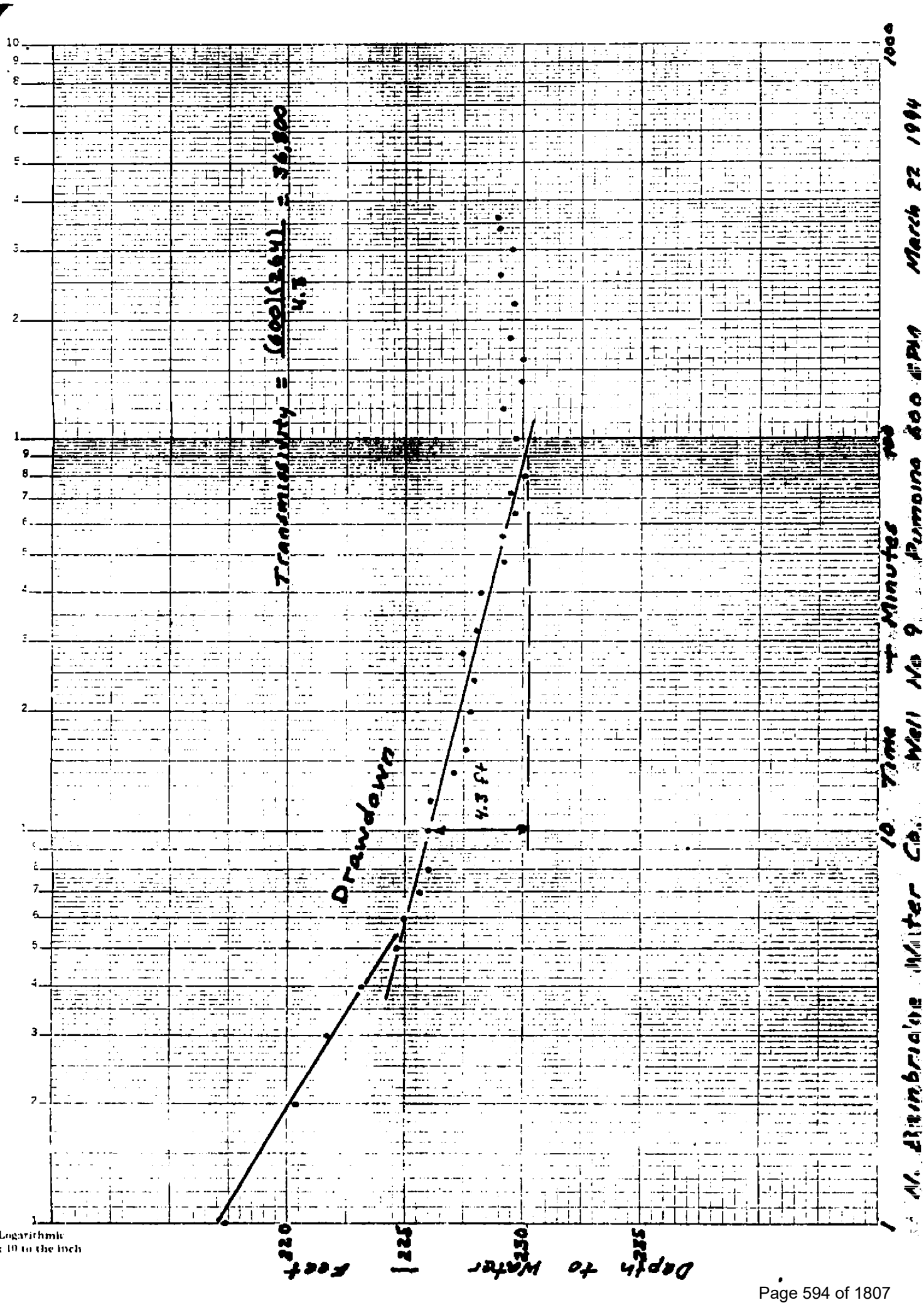
Date: March 22, 1994 Pumping Rate: 600 GPM

Time	Elapsed Time	DTW Feet	Drawdown Feet	Remarks
9:40	0	91.97	0	
	1	217.37	125.40	
	2	220.40	128.43	
	3	221.70	129.73	
	4	223.22	131.25	
	5	224.65	132.68	
	6	225.00	133.03	
	7	225.60	133.63	
	8	226.01	134.04	
	10	226.00	134.03	
	12	226.08	134.11	
	14	227.10	135.13	
	16	227.57	135.60	
10:00	20	227.74	135.77	
	24	227.85	135.88	
	28	227.45	135.48	
	32	228.00	136.03	
10:20	40	228.21	136.24	
	48	229.18	137.21	
	56	229.05	137.08	
	64	229.70	137.73	
	72	229.40	137.43	
11:00	80	230.10	138.13	
	100	229.20	137.73	
	120	229.09	137.12	
12:00	140	229.97	138.00	
	160	229.70	137.73	
	180	229.40	137.43	
1:20	220	229.60	137.63	

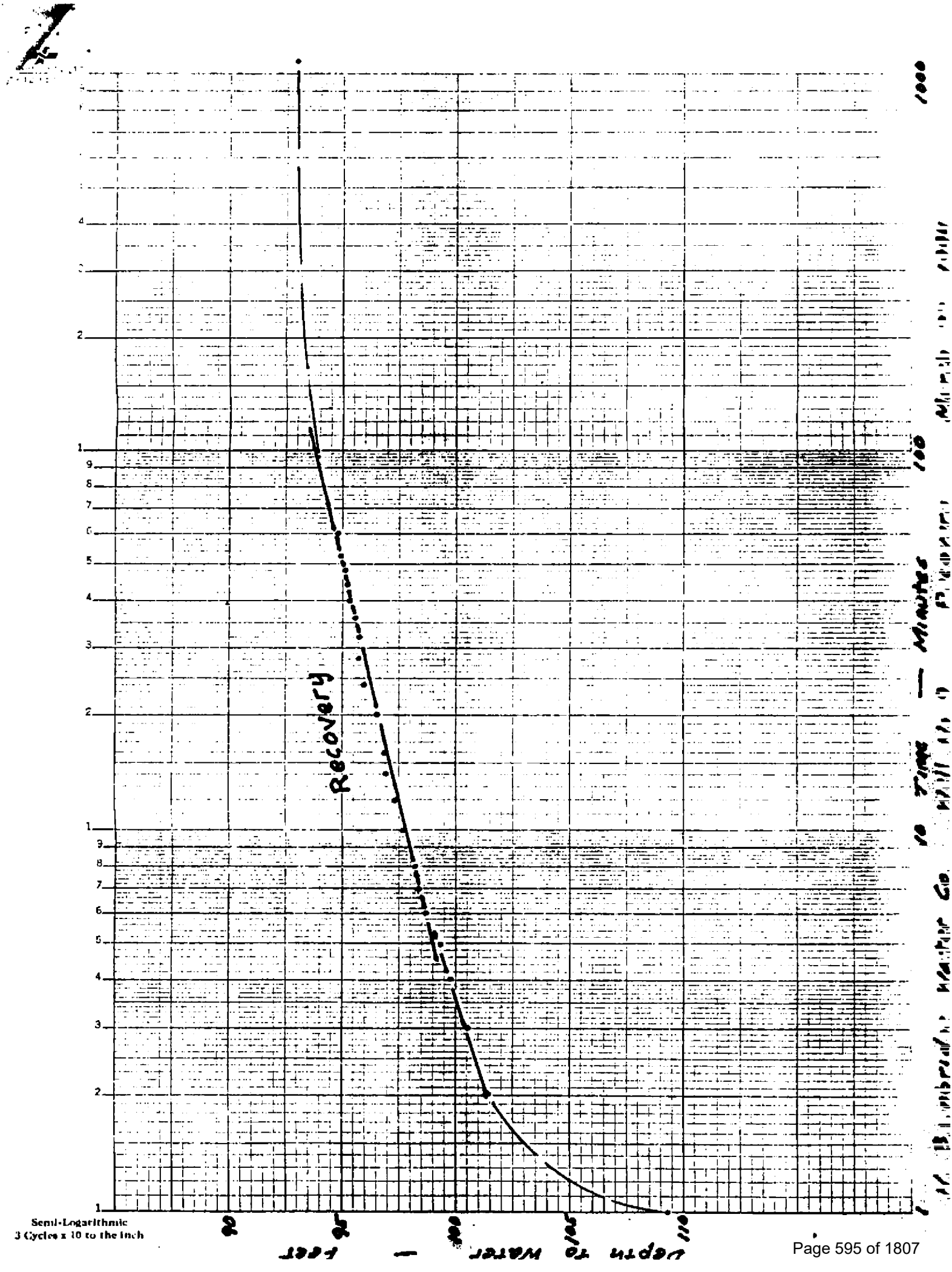
The Dep. The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

Time	Elapsed Time	DTW Feet	Drawdown Feet	Remarks
	260	229.00	137.03	
2:40	300	229.50	137.53	
	340	229.00	137.03	
3:40	360	228.80	136.83	
				Pump off
3:40	0	228.80	136.83	Start Recovery
	1	109.26	17.29	
	2	101.35	9.38	
	3	100.56	8.59	
	4	99.77	7.80	
	5	99.29	7.32	
	6	98.65	6.68	
	7	98.42	6.45	
	8	98.22	6.25	
	10	97.64	5.67	
	12	97.35	5.38	
	14	96.94	4.97	
	16	96.88	4.91	
4:00	20	96.55	4.58	
	24	95.97	4.00	
	28	95.73	3.76	
	32	95.75	3.78	
	36	95.51	3.54	
4:20	40	95.39	3.42	
	44	95.17	3.20	
	48	95.06	3.09	
	52	94.91	2.94	
4:40	60	94.79	2.72	
8:40 AM	1020	92.91	0.94	
2-23-94				

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.



The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.



The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

Bruner, Marian (ECY)

From: Marty Sebren [marty@kpud.org]
Sent: Friday, February 26, 2010 12:55 PM
To: Bruner, Marian (ECY)
Subject: RE: Well Logs contact

Marian,
Here are some additional corrections, and I'm sure there will be others.
Martin

well_log_id	well_tag_nr
291718	AAB455
291719	AAB455
68860	AAC832
68861	AEK853
68862	AAC826
68863	AEK854
68864	AEK852
117239	AAB455
291720	AAB455
70177	AEK855
61871	AAA113

From: Bruner, Marian (ECY) [mailto:mbru461@ECY.WA.GOV]
Sent: Wednesday, February 24, 2010 8:20 AM
To: Marty Sebren
Subject: RE: Well Logs contact

Thank you very much! Those changes will be made.

Marian

From: Marty Sebren [mailto:marty@kpud.org]
Sent: Tuesday, February 23, 2010 3:05 PM
To: Bruner, Marian (ECY)
Subject: Well Logs contact

To Whom It May Concern:

In the table below I have associated **well_log_id** with **well_tag_nr** for a number of older Kitsap PUD well logs where your system currently lacks the well_tag_nr. Please update your system with the **well_tag_nr** provided here.

well_log_id	well_tag_nr	well_depth_qt	well_diameter_qt	well_owner_nm
66900	AAA106	212	12	KITSAP COUNTY PUD
66901	AAC799	364	12	KITSAP COUNTY PUD #1
66902	AAA111	1030	6	KITSAP COUNTY PUD #1
66903	AAA110	402	8	KITSAP COUNTY PUD #1
66904	AAA012	805	10	KITSAP COUNTY PUD #1
66905	AAA014	338	12	KITSAP COUNTY PUD NO. 1
66910	AAC340	1070	6	KITSAP PUD #1

The Dep The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

WALTER D. PATERSON & ASSOCIATES

Pumping Test Record

Well Name: N. Bainbridge Water #9 Pumping ✓ Observ. ____

Location: SW 1/4 NE 1/4 Sec 9 T25N R2E Elevation: 120 ft MSL (est)

M.P.: Top of sounding tube (1.3 ft above top 20" SWL: 91.97 ft below M.P.

Date: March 22, 1994 Pumping Rate: 600 GPM

Time	Elapsed Time	DTW Feet	Drawdown Feet	Remarks
9:40	0	91.97	0	
	1	217.37	125.40	
	2	220.40	128.43	
	3	221.70	129.73	
	4	223.22	131.25	
	5	224.65	132.68	
	6	225.00	133.03	
	7	225.60	133.63	
	8	226.01	134.04	
	10	226.00	134.03	
	12	226.08	134.11	
	14	227.10	135.13	
	16	227.57	135.60	
10:00	20	227.74	135.77	
	24	227.85	135.88	
	28	227.46	135.48	
	32	228.00	136.03	
10:20	40	228.21	136.24	
	48	229.18	137.21	
	56	229.05	137.08	
	64	229.70	137.73	
	72	229.40	137.43	
11:00	80	230.10	138.13	
	100	229.70	137.73	
	120	229.09	137.12	
12:00	140	229.97	138.00	
	160	229.70	137.73	
	180	229.40	137.43	
1:20	220	229.60	137.63	

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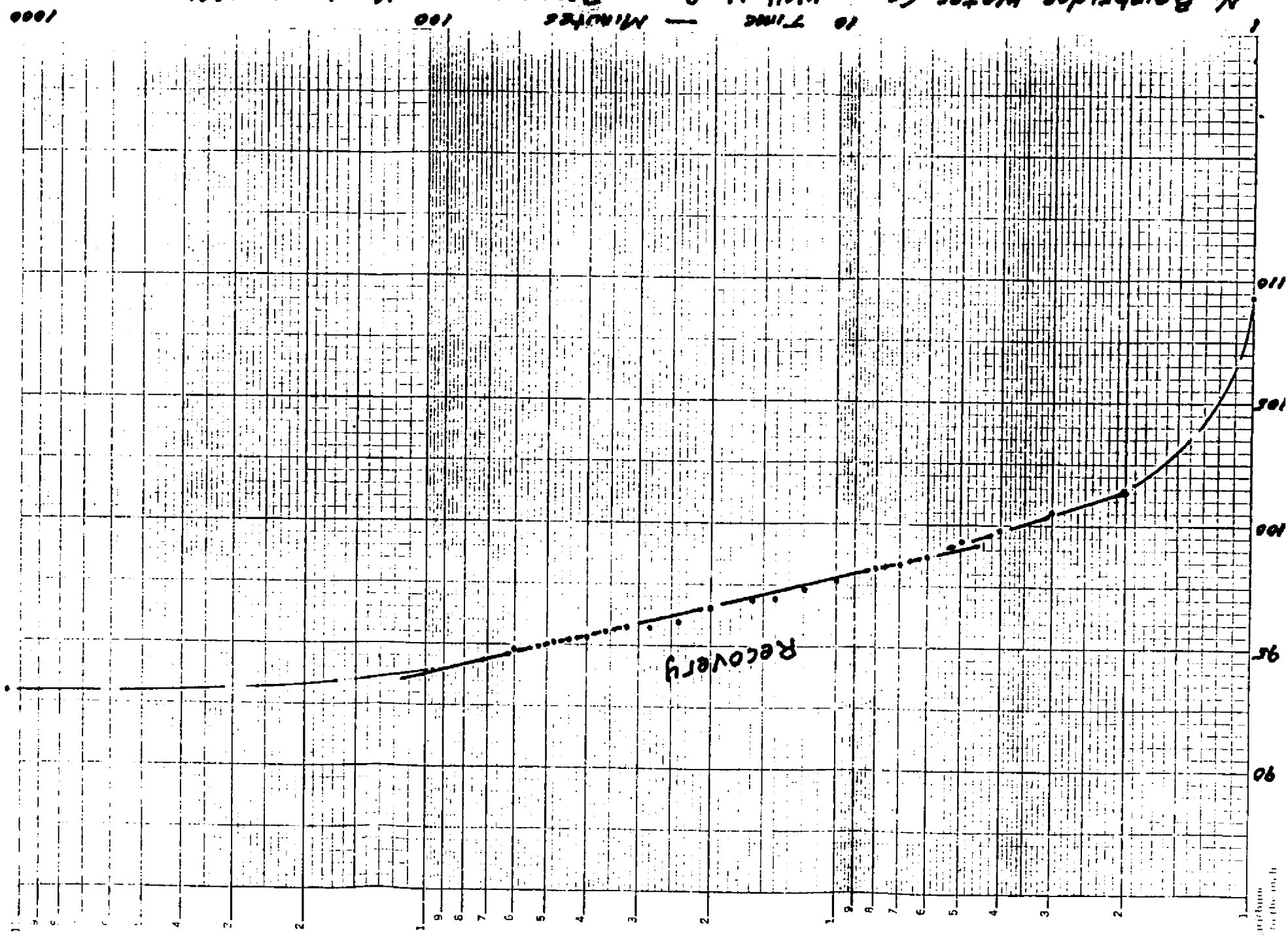
Time	Elapsed Time	DTW Feet	Drawdown Feet	Remarks
	260	229.00	137.03	
2:40	300	229.50	127.53	
	340	229.00	137.03	
3:40	360	228.80	136.83	
				Pump off
3:40	0	228.80	136.83	Start Recovery
	1	109.26	17.29	
	2	101.35	9.38	
	3	100.56	8.59	
	4	99.77	7.80	
	5	99.29	7.32	
	6	98.65	6.68	
	7	98.42	6.45	
	8	98.22	6.25	
	10	97.64	5.67	
	12	97.35	5.38	
	14	96.94	4.97	
	16	96.88	4.91	
4:00	20	96.55	4.58	
	24	95.97	4.00	
	28	95.73	3.76	
	32	95.75	3.78	
	36	95.51	3.54	
4:20	40	95.39	3.42	
	44	95.17	3.20	
	48	95.06	3.09	
	52	94.91	2.94	
4:40	60	94.79	2.72	
8:40 AM	1020	92.91	0.94	
2-23-94				

The Dep The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

The Dep The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.



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	5	224.65	132.68	
	6	225.00	133.03	
	7	225.60	133.63	
	8	226.01	134.04	
	10	226.00	134.03	
	12	226.08	134.11	
	14	227.10	135.13	
	16	227.57	135.60	
10:00	20	227.74	135.77	
	24	227.85	135.88	
	28	227.46	135.48	
	32	228.00	136.03	
10:20	40	228.21	136.24	
	48	229.18	137.21	
	56	229.05	137.08	
	64	229.70	137.73	
	72	229.40	137.43	
11:00	80	230.10	138.13	
	100	229.70	137.73	
	120	229.09	137.12	
12:00	140	229.97	138.00	
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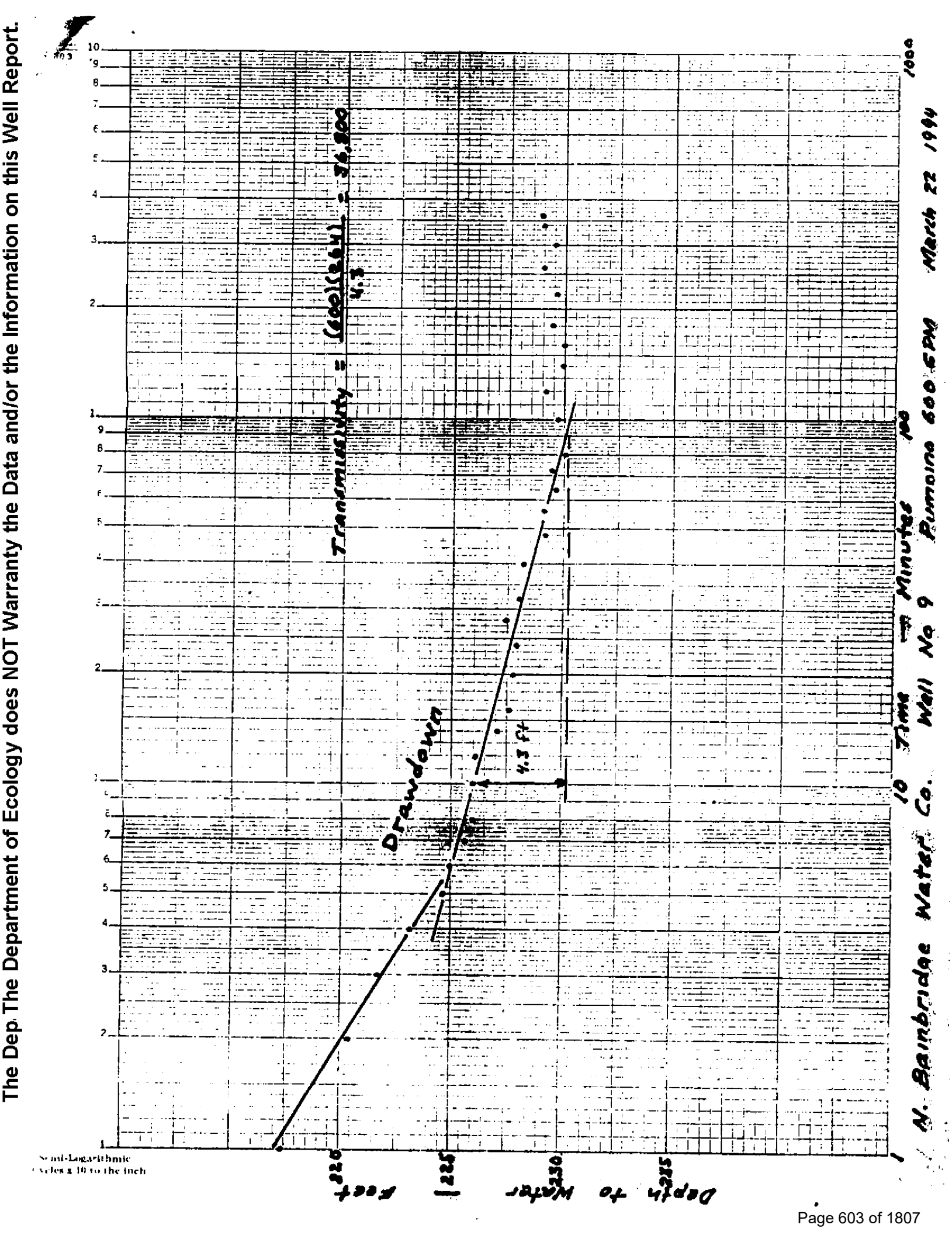

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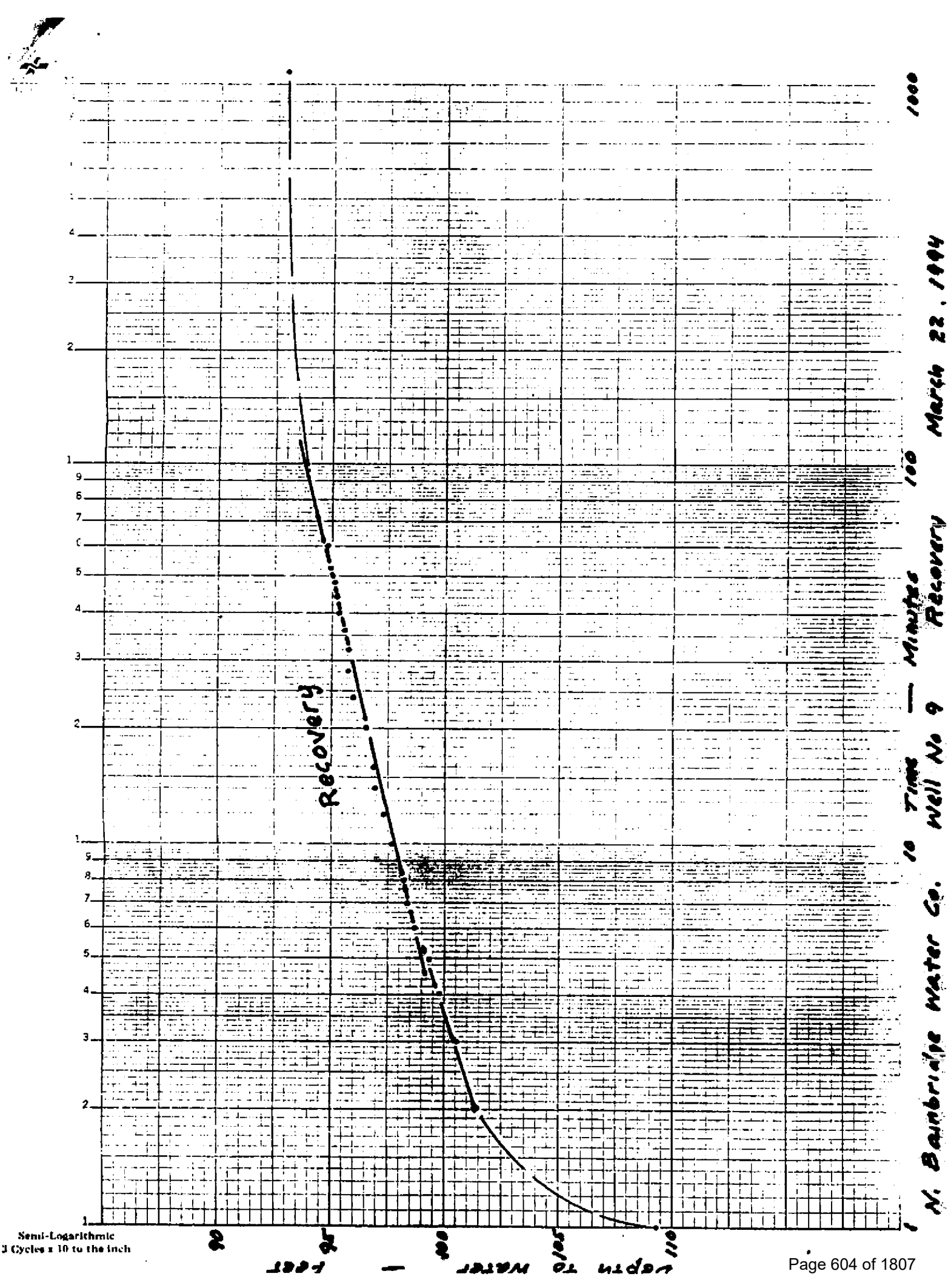

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Bruner, Marian (ECY)

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Sent: Friday, February 26, 2010 12:55 PM
To: Bruner, Marian (ECY)
Subject: RE: Well Logs contact

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291720	AAB455
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66901	AAC799	364	12	KITSAP COUNTY PUD #1
66902	AAA111	1030	6	KITSAP COUNTY PUD #1
66903	AAA110	402	8	KITSAP COUNTY PUD #1
66904	AAA012	805	10	KITSAP COUNTY PUD #1
66905	AAA014	338	12	KITSAP COUNTY PUD NO. 1
66910	AAC340	1070	6	KITSAP PUD #1

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT
STATE OF WASHINGTON

Application No. 24/6.2 . 22

Permit No. 94110

(1) OWNER: Name Arthur & Barnett Address 5391 Fox Cove NE Bainbridge Island

(2) LOCATION OF WELL: County KITSAP ¼ ¼ Sec 20 T. 25 N., R. 2E W.M.

Bearing and distance from section or subdivision corner GOVERNMENT MEANDER OF LOT 2

(3) PROPOSED USE: Domestic ☐ Industrial ☐ Municipal ☒
Irrigation ☐ Test Well ☐ Other ☐

(4) TYPE OF WORK: Owner's number of well (if more than one)
New well ☒ Method: Dug ☐ Bored ☐
Deepened ☐ Cable ☒ Driven ☐
Reconditioned ☐ Rotary ☐ Jetted ☐

(5) DIMENSIONS: Diameter of well 6" inches.
Drilled 85 ft. Depth of completed well 85 ft.

(6) CONSTRUCTION DETAILS:
Casing installed: 6" Diam. from 0 ft. to 85 ft.
Threaded ☐ " Diam. from ft. to ft.
Welded ☒ " Diam. from ft. to ft.

Perforations: Yes ☐ No ☐
Type of perforator used
SIZE of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

Screens: Yes ☒ No ☐
Manufacturer's Name JOHNSON
Type Model No
Diam. 6" Slot size .020 from 85 ft. to 80 ft.
Diam. 6" Slot size .030 from 80 ft. to 70 ft.
TOTAL 5' OF SCREEN

Gravel packed: Yes ☐ No ☐ Size of gravel:
Gravel placed from ft. to ft.

Surface seal: Yes ☒ No ☐ To what depth? 18 ft.
Material used in seal BENTONITE & SAND
Did any strata contain unusable water? Yes ☐ No ☐
Type of water? SOFT Depth of strata 16'
Method of sealing strata off

(7) PUMP: Manufacturer's Name WEBER INDUSTRIES
Type: 4" TURBINE SUB H.P. 5

(8) WATER LEVELS: Land-surface elevation above mean sea level 20 ft.
Static level 62' 9" ft. below top of well Date 6/10/78
Artesian pressure lbs. per square inch Date
Artesian water is controlled by (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level lowered below static level
Was a pump test made? Yes ☒ No ☐ If yes, by whom? DRILLER
Yield: 86 gal./min. with 28" drawdown after 4 hrs.
" " " "
" " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level
1/2 min	62'				
1					

Date of test 6/10/78
Bailer test gal./min. with ft. drawdown after hrs.
Artesian flow g.p.m. Date
Temperature of water Was a chemical analysis made? Yes ☐ No ☐

(10) WELL LOG:
Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL	FROM	TO
GRAVEL	0	13
BROWN CLAY	13	18
DRY GRAVEL	18	48
GRAVEL & GRAY CLAY	48	51
DRY BROWN SAND & GRAVEL	51	69
W.B. SAND & GRAVEL	69	82
CEMENTED GRAVEL	82	82-6"
W.B. SAND & GRAVEL	82-6	85

Work started 6/22, 1978 Completed 6/10, 1978

WELL DRILLER'S STATEMENT:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME YOUNKER'S WELL DRILLING (Person, firm, or corporation) (Type or print)
Address RT. 4 BOX 117 POULSBO WASH.
[Signed] Emmett B. Younker (Well Driller)
License No. 674 Date 6/10, 1978

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

File Original with Department of Ecology
Second Copy - Owner's Copy
Third Copy - Driller's Copy

WATER WELL REPORT

STATE OF WASHINGTON

Notice of Intent W135417
UNIQUE WELL I.D. # AEK-777
Water Right Permit No _____

(1) OWNER: Name Anne Biglow Address 12265 Arrow Pt Dr NE BI WA 98110

(2) LOCATION OF WELL: County Kitsap SW 1/4 NE 1/4 Sec 8 T 25 N R. 2E WM

(2a) STREET ADDRESS OF WELL: (or nearest address) Lot 21-22-23 Arrow Pt Dr BI

TAX PARCEL NO. 4478-000-023-0008 25-2E-8G

(3) PROPOSED USE: ☐ Domestic ☐ Industrial ☐ Municipal ☐ Irrigation ☐ Test Well ☐ Other ☐ DeWater

(4) TYPE OF WORK: Owner's number of well (if more than one) _____
☒ New Well Method
☐ Deepened ☐ Dug ☐ Bored
☐ Reconditioned ☒ Cable ☐ Driven
☐ Decommission ☐ Rotary ☐ Jetted

(5) DIMENSIONS: Diameter of well 6" inches
Drilled 184 feet. Depth of completed well 184 ft

(6) CONSTRUCTION DETAILS
Casing Installed:
☒ Welded 6 " Diam. from 41 ft. to 184 ft
☐ Liner installed _____ " Diam from _____ ft. to _____ ft.
☐ Threaded _____ " Diam. from _____ ft to _____ ft.

Perforations: ☐ Yes ☐ No
Type of perforator used _____
SIZE of perforations _____ in by _____ in
_____ perforations from _____ ft to _____ ft

Screens: ☒ Yes ☐ No ☐ K-Pac Location 160
Manufacturer's Name Johnson
Type Stainless Model No _____
Diam. 5" Slot Size 4 from 174 ft. to 184 ft
Diam _____ Slot Size _____ from _____ ft. to _____ ft

Gravel/Filter packed: ☐ Yes ☐ No ☐ Size of gravel/sand _____
Material placed from _____ ft. to _____ ft.

Surface seal: ☒ Yes ☐ No To what depth? 40' ft
Material used in seal Bent
Did any strata contain unusable water? ☐ Yes ☒ No
Type of water? _____ Depth of strata _____
Method of sealing strata off _____

(7) PUMP: Manufacturer's Name Goulds 10LS
Type Sub HP 34

(8) WATER LEVELS: Land-surface elevation above mean sea level _____ ft.
Static level 41 ft. below top of well Date 11-2-01
Artesian pressure _____ lbs per square inch Date _____
Artesian water is controlled by _____ (Cap, valve, etc)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? ☒ Yes ☐ No If yes, by whom? Gresham
Yield 12 gal /min with 140 ft drawdown after 4 hrs hrs
Yield. _____ gal./min with _____ ft drawdown after _____ hrs.
Yield _____ gal./min with _____ ft. drawdown after _____ hrs
Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level
Full Rec		94 min			

Date of test 11-2-01
Bailer test 1K gal /min. with 126' ft drawdown after 2 hrs.
Airtest _____ gal /min with _____ ft drawdown after _____ hrs
Artesian flow _____ g.p m Date _____
Temperature of water 54 Was a chemical analysis made? ☒ Yes ☐ No

(10) WELL LOG or DECOMMISSIONING PROCEDURE DESCRIPTION
Formation Describe by color, character, size of material and structure, and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of information Indicate all water encountered

MATERIAL	FROM	TO
Brown Gravely HP.	0	15
Brown Clay	15	23
Gray Clay	23	128
Gray Sandy Silt with H20	128	184

RECEIVED
NOV 14 2001
DEPARTMENT OF ECOLOGY
WELL DRILLING UNIT

Work Started 10-19-01 Completed 11-2-01

WELL CONSTRUCTION CERTIFICATION:

I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards Materials used and the information reported above are true to my best knowledge and belief

Type or Print Name Craig Gresham License No 0761
(Licensed Driller/Engineer)

Trainee Name _____ License No _____
Drilling Company Gresham Well Drilling Inc
(Signed) _____ License No 0761
(Licensed Driller/Engineer)
Address P.O Box 1600 Poulsbo WA 98370
Contractor's Registration No GRESHWDOSSBC Date 11-6-01

(USE ADDITIONAL SHEETS IF NECESSARY)

Ecology is an Equal Opportunity and Affirmative Action employer. For special accommodation needs, contact the Water Resources Program at (360) 407-6600 The TDD number is (360) 407-6006

ECY 050-1-20 (11/98)

105415

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT

STATE OF WASHINGTON

Application No. 25/12-28F

Permit No.

(1) OWNER: Name Art + Emily Greco Address

(2) LOCATION OF WELL: County Kitsap SE ¼ NW ¼ Sec 28 T 25 N., R 02E W.M.

Bearing and distance from section or subdivision corner

(3) PROPOSED USE: Domestic ☒ Industrial ☐ Municipal ☐ Irrigation ☐ Test Well ☐ Other ☐

(4) TYPE OF WORK: Owner's number of well (if more than one)

New well ☒ Method: Dug ☐ Bored ☐
Deepened ☐ Cable ☒ Driven ☐
Reconditioned ☐ Rotary ☐ Jetted ☐

(5) DIMENSIONS: Diameter of well 6 inches.
Drilled 230 ft. Depth of completed well 230 ft.

(6) CONSTRUCTION DETAILS:

Casing installed: 6 " Diam. from 0 ft. to 225.6 ft.
Threaded ☐ " Diam. from ft. to ft.
Welded ☒ " Diam. from ft. to ft.

Perforations: Yes ☐ No ☒
Type of perforator used
SIZE of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

Screens: Yes ☒ No ☐
Manufacturer's Name Johnson
Type Telescope Model No.
Diam. 5 Slot size 12 from 224.4 ft. to 230 ft.
Diam. Slot size from ft. to ft.

Gravel packed: Yes ☐ No ☒ Size of gravel:
Gravel placed from ft. to ft.

Surface seal: Yes ☒ No ☐ To what depth? 20 ft.
Material used in seal Bentonite
Did any strata contain unusable water? Yes ☐ No ☒
Type of water? Depth of strata
Method of sealing strata off

(7) PUMP: Manufacturer's Name Flint + Walling
Type: H.P. 1

(8) WATER LEVELS: Land-surface elevation above mean sea level ft.
Static level 100 ft. below top of well Date 7-29-77
Artesian pressure lbs. per square inch Date
Artesian water is controlled by (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☒ No ☐ If yes, by whom? Jim Bachofner Co.
Yield: 3 gal./min. with 20 ft. drawdown after 4 hrs.
" " " "
" " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test
Bailer test 3 gal./min. with 20 ft. drawdown after 4 hrs.
Artesian flow g.p.m. Date
Temperature of water No. Was a chemical analysis made? Yes ☐ No ☒

(10) WELL LOG:

Formation: *Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.*

MATERIAL	FROM	TO
Top Soil	0	1
Hard Pan - Clay	1	15
Brown Clay	15	35
Sand + Gravel Clay Filled	35	37
Sand (Clay Filled) Brown	37	64
Blue Clay	64	80
Sand - Water Bearing ½ G.P.M	80	85
Clay Filled Soft Gray	85	93
Blue Clay	93	125
Clay Filled Sand + Gravel	125	137
Blue Clay	137	225
Sand - Water Bearing (5 G.P.M)	225	230

Work started 7-12-, 19 77 Completed 7-29, 19 77

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME (Person, firm, or corporation) (Type or print)

Address

[Signed] (Well Driller)

License No. Date , 19

(USE ADDITIONAL SHEETS IF NECESSARY)

S. F. No. 7356—OS—(Rev. 4-71).

25-02-23L

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT

STATE OF WASHINGTON

Application No

Permit No

(1) OWNER: Name ALFORD Lowell Address FERNCLIFF AVE NE BAINBRIDGE IS.

(2) LOCATION OF WELL: County KITSAP NE ¼ SW ¼ Sec 23 T 25 N., R 2E W.M

Bearing and distance from section or subdivision corner

(3) PROPOSED USE: Domestic [X] Industrial [ ] Municipal [ ] Irrigation [ ] Test Well [ ] Other [ ]

(4) TYPE OF WORK: Owner's number of well (if more than one)

New well [X] Method: Dug [ ] Bored [ ]
Deepened [ ] Cable [X] Driven [ ]
Reconditioned [ ] Rotary [ ] Jetted [ ]

(5) DIMENSIONS: Diameter of well 6 inches.
Drilled 220 ft. Depth of completed well 220 ft.

(6) CONSTRUCTION DETAILS:

Casing installed: 6 " Diam. from 0 ft. to 209 ft.
Threaded [ ] " Diam. from ft. to ft.
Welded [X] " Diam. from ft. to ft.

Perforations: Yes [ ] No [X]
Type of perforator used
SIZE of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft
perforations from ft. to ft.

Screens: Yes [X] No [ ]
Manufacturer's Name JOHNSON
Type STAINLESS Model No.
Diam. 5 Slot size 6 from 209 ft. to 220 ft.
Diam. Slot size from ft. to ft.

Gravel packed: Yes [ ] No [X] Size of gravel:
Gravel placed from ft. to ft.

Surface seal: Yes [X] No [ ] To what depth? 20 ft.
Material used in seal BENTONITE
Did any strata contain unusable water? Yes [ ] No [ ]
Type of water? Depth of strata
Method of sealing strata off

(7) PUMP: Manufacturer's Name
Type: H.P.

(8) WATER LEVELS: Land-surface elevation above mean sea level ft.
Static level 130 ft. below top of well Date 1/89
Artesian pressure lbs. per square inch Date
Artesian water is controlled by (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level

Was a pump test made? Yes [ ] No [ ] If yes, by whom?
Yield: gal/min. with ft. drawdown after hrs.
" " " "
" " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test
Bailer test 12 gal/min. with 40 ft. drawdown after 8 hrs.
Artesian flow g.p.m. Date
Temperature of water Was a chemical analysis made? Yes [ ] No [X]

(10) WELL LOG:

Formation: *Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.*

MATERIAL	FROM	TO
BRN HARDPAN	1	15
GRAY BLUE SILT SAND & GRAVEL	15	50
" " GRAY CLAY	50	52
BLUE CEMENTED SAND & GRAVEL	52	95
" SAND & GRVL + H2O	95	102
GRAY CEMENTED SAND & GRVL	102	195
BLUE FINE SAND & H2O	195	204
BLUE CLAY	204	

RECEIVED
FEB 08 1989
DEPARTMENT OF ECOLOGY
NORTHWEST REGION

Work started 12 19 88 Completed 12 19 88

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME MATHEWS WELL DRILLING
(Person, firm, or corporation) (Type or print)

Address 1256 NW COMEN RD, POULSBO, WA

[Signed] John C Mathews
(Well Driller)

License No. 1137 Date 1-3 , 19 89

(USE ADDITIONAL SHEETS IF NECESSARY)

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

25/02-33N

First Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT
STATE OF WASHINGTON

Application No.
Permit No. GI-22966P

(1) OWNER: Name Mr. Albert Goethals Address 7563 NE Emerald Way, B.I.

(2) LOCATION OF WELL: County North Kitsap — SW ¼ SW ¼ Sec. 33 T. 25 N., R. 2E W.M.

Bearing and distance from section or subdivision corner

(3) PROPOSED USE: Domestic ☒ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

(4) TYPE OF WORK: Owner's number of well (if more than one)
New well ☒ Method: Dug ☐ Bored ☐
Deepened ☐ Cable ☒ Driven ☐
Reconditioned ☐ Rotary ☐ Jetted ☐

(5) DIMENSIONS: Diameter of well 8 inches.
Drilled 54 ft. Depth of completed well 54 ft.

(6) CONSTRUCTION DETAILS:

Casing installed: 8 " Diam. from 0 ft. to 54 ft.
Threaded ☐ " Diam. from ft. to ft.
Welded ☒ " Diam. from ft. to ft.

Perforations: Yes ☐ No ☒
Type of perforator used
SIZE of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

Screens: Yes ☒ No ☐
Manufacturer's Name Johnson
Type stainless steel Model No.
Diam. 8 Slot size 14/12 from 34 ft. to 44 ft.
Diam. 8 Slot size 12/8 from 44 ft. to 54 ft.

Gravel packed: Yes ☐ No ☒ Size of gravel:
Gravel placed from ft. to ft.

Surface seal: Yes ☒ No ☐ To what depth? 18 ft.
Material used in seal Bentonite - Cement
Did any strata contain unusable water? Yes ☐ No ☒
Type of water? Depth of strata
Method of sealing strata off

(7) PUMP: Manufacturer's Name
Type: H.P.

(8) WATER LEVELS: Land-surface elevation above mean sea level 50 ft.
Static level 0 ft. below top of well Date 6-6-79
Artesian pressure lbs. per square inch Date
Artesian water is controlled by (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☒ No ☐ If yes, by whom? Driller
Yield: 30 gal./min. with 50.6 ft. drawdown after 2 hrs.
" " " "
" " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level
XXXXXXXXXX					
8' in 5 min.					

Date of test
Bailer test 30 gal./min. with ft. drawdown after hrs.
Artesian flow g.p.m. Date
Temperature of water 50 Was a chemical analysis made? Yes ☒ No ☐

(10) WELL LOG:

Formation: *Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.*

MATERIAL	FROM	TO
Peat bog	0	7
Brown sandy clay	7	28
Sand H20- "fine brown"	28	41
Brown clay	41	42
Sand & gravel	42	49
Blue schale	49	50
Blue sand & gravel	50	54
Blue clay	54	

Work started June 6, 1979 Completed June 11, 1979

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME Gresham Well Drilling (Person, firm, or corporation) (Type or print)

Address 3105 NW Lakeness Rd. Poulsbo

[Signed] Craig A Gresham (Well Driller)

License No. 0761 Date June 11, 1979

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

WELL B

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT

STATE OF WASHINGTON

Application No AAC-778 DOE
Permit No 61229466C

(1) OWNER Name AL GOETHALS Address 5400 DIAMOND DR. NE, BAINB. IS WA. 98110

(2) LOCATION OF WELL County KITSAP SE 1/4 SW 1/4 SE 1/4 Sec 33 T 25 N R 2E WM

Bearing and distance from section or subdivision corner

(3) PROPOSED USE Domestic ☐ Industrial ☐ Municipal ☒
Irrigation ☐ Test Well ☐ Other ☐

(4) TYPE OF WORK Owner's number of well (if more than one) 3
New well ☒ Method Dug ☐ Bored ☐
Deepened ☐ Cable ☒ Driven ☐
Reconditioned ☐ Rotary ☐ Jetted ☐

(5) DIMENSIONS Diameter of well 8 inches
Drilled 61 ft Depth of completed well 61 ft

(6) CONSTRUCTION DETAILS

Casing installed 8 Diam from 0 ft to 52 ft
Threaded ☐ Diam from ft to ft
Welded ☒ Diam from ft to ft

Perforations Yes ☐ No ☒
Type of perforator used
SIZE of perforations in by in
perforations from ft to ft
perforations from ft to ft
perforations from ft to ft

Screens. Yes ☒ No ☐
Manufacturer's Name JOHNSON Model No
Type SS
Diam 6 Slot size 12 from 52 ft to 61 ft
Diam Slot size from ft to ft

Gravel packed Yes ☐ No ☒ Size of gravel
Gravel placed from ft to ft

Surface seal Yes ☒ No ☐ To what depth? 20 ft
Material used in seal BENTONITE
Did any strata contain unusable water? Yes ☐ No ☒
Type of water? Depth of strata
Method of sealing strata off

(7) PUMP Manufacturer's Name
Type 548 H.P. 5

(8) WATER LEVELS Land-surface elevation above mean sea level ft
Static level 2 ft ~~below~~ above top of well Date 5-13-81
Artesian pressure lbs per square inch Date
Artesian water is controlled by (Cap valve etc)

(9) WELL TESTS Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☒ No ☐ If yes by whom? MILLER
Yield 50 gal/min with 50.5 ft drawdown after 8 hrs

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level
	-				

Date of test 5-22-81
Bailer test 30 gal/min with 40 ft drawdown after 4 hrs
Artesian flow g.p.m Date
Temperature of water Was a chemical analysis made? Yes ☐ No ☐

(10) WELL LOG

Formation *Describe by color character, size of material and structure and show thickness of aquifers and the kind and nature of the material in each stratum penetrated with at least one entry for each change of formation*

MATERIAL	FROM	TO
~~Surface soil~~		
FILL	0	1
PEAT CLAY BR	1	9
CLAY SAND GRAV BR	9	19
CLAY COBBLES	19	21
CLAY SAND	21	45
CLAY BLUE	45	47
SAND GRAVEL (W)	47	60
SAND CLAY BLUE	60	61

Work started 5-5 19 81 Completed 5-22 19 81

WELL DRILLER'S STATEMENT

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief

NAME McCOY DRILLING & WELL DEV CO.
(Person firm or corporation) (Type or print)

Address 2401 S. BAYVIEW ST. SEATTLE, WA. 98144

[Signed] (Well Driller)

License No 0120 Date 5-22, 1981

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

25/12-33Q

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT
STATE OF WASHINGTON

Application No. ...
Permit No. ... G1-22966

(1) **OWNER:** Name AL GOETHALS Address 5400 DIAMOND DR. NE, BAINB. I. WA. 98110

(2) **LOCATION OF WELL:** County KITSAP SE 1/4 SW 1/4 SE 1/4 Sec. 33 T. 25 N., R. 2E W.M.

Bearing and distance from section or subdivision corner

(3) **PROPOSED USE:** Domestic ☐ Industrial ☐ Municipal ☑
Irrigation ☐ Test Well ☐ Other ☐

(4) **TYPE OF WORK:** Owner's number of well (if more than one) 2
New well ☒ Method: Dug ☐ Bored ☐
Deepened ☐ Cable ☑ Driven ☐
Reconditioned ☐ Rotary ☐ Jetted ☐

(5) **DIMENSIONS:** Diameter of well 8 inches.
Drilled 61 ft. Depth of completed well 61 ft.

(6) **CONSTRUCTION DETAILS:**

Casing installed: 8 " Diam. from 0 ft. to 52 ft.
Threaded ☐ " Diam. from ... ft. to ... ft.
Welded ☐ " Diam. from ... ft. to ... ft.

Perforations: Yes ☐ No ☒
Type of perforator used ...
SIZE of perforations ... in. by ... in.
... perforations from ... ft. to ... ft.
... perforations from ... ft. to ... ft.
... perforations from ... ft. to ... ft.

Screens: Yes ☒ No ☐
Manufacturer's Name JOHNSON
Type S.S. Model No. ...
Diam. 6 Slot size 12 from 52 ft. to 61 ft.
Diam. ... Slot size ... from ... ft. to ... ft.

Gravel packed: Yes ☐ No ☒ Size of gravel: ...
Gravel placed from ... ft. to ... ft.

Surface seal: Yes ☒ No ☐ To what depth? 20 ft.
Material used in seal BENTONITE
Did any strata contain unusable water? Yes ☐ No ☑
Type of water? ... Depth of strata ...
Method of sealing strata off ...

(7) **PUMP:** Manufacturer's Name ...
Type: SUB. H.P. 5

(8) **WATER LEVELS:** Land-surface elevation above mean sea level ... ft.
Static level 2 ft. below top of well Date 5-13-81
Artesian pressure ... lbs. per square inch Date ...
Artesian water is controlled by ... (Cap, valve, etc.)

(9) **WELL TESTS:** Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☒ No ☐ If yes, by whom? DRILLER
Yield: 50 gal./min. with 50.5 ft. drawdown after 8 hrs.
" " " "
" " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test 5-22-81
Baller test 30 gal./min. with 40 ft. drawdown after 4 hrs.
Artesian flow ... g.p.m. Date ...
Temperature of water ... Was a chemical analysis made? Yes ☐ No ☐

(10) **WELL LOG:**

Formation: *Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.*

MATERIAL	FROM	TO
[illegible]	[illegible]	[illegible]
FILL	0	1
PEAT CLAY BR	1	9
CLAY SAND GRAV. BR	9	19
CLAY COBBLES	19	21
CLAY SAND	21	45
CLAY BLUE	45	47
SAND GRAVEL (W)	47	60
SAND CLAY BLUE	60	61

Work started 5-5, 19 81 Completed 5-22, 19 81

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME McCoy DRILLING & WELL DEV. CO.
(Person, firm, or corporation) (Type or print)

Address 2401 S. RAINIER ST. SEATTLE WA. 98144

[Signed] Matt N. Fry
(Well Driller)

License No. 0120 Date 5-22, 1981

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

26/2-34E

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT

STATE OF WASHINGTON

Application No. .....

Permit No. .....

(1) OWNER: Name Alex Kimball Address 5934 Rose Ave, Bainbridge Is., WA.

(2) LOCATION OF WELL: County Kitsap SW ¼ NW ¼ Sec. 34 T. 26 N., R. 2E W.M.

Bearing and distance from section or subdivision corner APPROX. AT CENTER OF 5 ACRES

(3) PROPOSED USE: Domestic ☒ Industrial ☐ Municipal ☐ Irrigation ☐ Test Well ☐ Other ☐

(4) TYPE OF WORK: Owner's number of well (if more than one) .....
New well ☒ Method: Dug ☐ Bored ☐
Deepened ☐ Cable ☒ Driven ☐
Reconditioned ☐ Rotary ☐ Jetted ☐

(5) DIMENSIONS: Diameter of well 6 inches.
Drilled 227 ft. Depth of completed well 227 ft.

(6) CONSTRUCTION DETAILS:

Casing installed: 6" Diam. from 0 ft. to 222 ft.
Threaded ☐ ..." Diam. from ... ft. to ... ft.
Welded ☒ ..." Diam. from ... ft. to ... ft.

Perforations: Yes ☐ No ☒
Type of perforator used .....
SIZE of perforations ... in. by ... in.
... perforations from ... ft. to ... ft.
... perforations from ... ft. to ... ft.
... perforations from ... ft. to ... ft.

Screens: Yes ☒ No ☐
Manufacturer's Name Johnson
Type Stainless Steel Model No. ...
Diam. 6" Slot size #4 from 217 ft. to 222 ft.
Diam. ... Slot size ... from ... ft. to ... ft.

Gravel packed: Yes ☐ No ☒ Size of gravel: ...
Gravel placed from ... ft. to ... ft.

Surface seal: Yes ☒ No ☐ To what depth? 22 ft.
Material used in seal Bentonite
Did any strata contain unusable water? Yes ☐ No ☐
Type of water? ... Depth of strata ...
Method of sealing strata off ...

(7) PUMP: Manufacturer's Name Flint & Walling
Type: Submersible H.P. 3

(8) WATER LEVELS: Land-surface elevation above mean sea level .... ft.
Static level 33 ft. below top of well Date 12-19-83
Artesian pressure ... lbs. per square inch Date ...
Artesian water is controlled by ... (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☐ No ☐ If yes, by whom? ...
Yield: ... gal./min. with ... ft. drawdown after ... hrs.
" " " "
" " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test ...
Baller test 30 gal./min. with 57 ft. drawdown after 4 hrs.
Artesian flow ... g.p.m. Date ...
Temperature of water ... Was a chemical analysis made? Yes ☐ No ☐

(10) WELL LOG:

Formation: *Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.*

MATERIAL	FROM	TO
Brn. Sand & Clay	0	7
Gray Sand & Gravel	7	30
" " "	30	70
Gray Clay Silt some gravel	70	100
Gray Clay some Sand	100	190
Gray Silt & Water	190	227

RECEIVED
JAN 13 1984
DEPARTMENT OF ECOLOGY

Work started 12-1, 1983 Completed 12-13, 1983

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME Burt Well Drilling, Inc. (Person, firm, or corporation) (Type or print)

Address 19282 N.E. Lincoln Rd. Poulsbo, Wa.

[Signed] George W. Burt (Well Driller)

License No. 0048 Date 1-4, 1984

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy 25/2B/27P

WATER WELL REPORT

STATE OF WASHINGTON

25/02-27P
Application No.

Permit No. G1-20285C

(1) OWNER: Name ANGELO MAGNANO Address Rolling Bay Wash

(2) LOCATION OF WELL: County Kitsap NW¼ NW¼ ¼ Sec. 27 T. 25 N., R. 2E W.M.

Bearing and distance from section or subdivision corner (Govt lot 2) SE¼ SW¼ Sec 27

(3) PROPOSED USE: Domestic ☐ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

(4) TYPE OF WORK: Owner's number of well (if more than one)
New well ☒ Method: Dug ☐ Bored ☐
Deepened ☐ Cable ☐ Driven ☐
Reconditioned ☐ Rotary ☐ Jetted ☐

(5) DIMENSIONS: Diameter of well 6 inches.
Drilled 110 ft. Depth of completed well 110 ft.

(6) CONSTRUCTION DETAILS:

Casing installed: 6 " Diam. from 0 ft. to 110 ft.
Threaded ☐ " Diam. from ft. to ft.
Welded ☒ " Diam. from ft. to ft.

Perforations: Yes ☒ No ☐
Type of perforator used
SIZE of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

Screens: Yes ☒ No ☐
Manufacturer's Name Johnson
Type Stainless Steel Model No.
Diam. 6 Slot size 12 from 100 ft. to 110 ft.
Diam. Slot size from ft. to ft.

Gravel packed: Yes ☐ No ☒ Size of gravel:
Gravel placed from ft. to ft.

Surface seal: Yes ☒ No ☐ To what depth? 20 ft.
Material used in seal Bentonite
Did any strata contain unusable water? Yes ☐ No ☐
Type of water? Depth of strata
Method of sealing strata off

(7) PUMP: Manufacturer's Name
Type: H.P.

(8) WATER LEVELS: Land-surface elevation above mean sea level ft.
Static level artesian ft. below top of well Date 5-29-74
Artesian pressure lbs. per square inch Date
Artesian water is controlled by (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☐ No ☒ If yes, by whom?
Yield: gal./min. with ft. drawdown after hrs.
" " " "
" " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test
Bailer test 60 gal./min. with 70 ft. drawdown after 4½ hrs.
Artesian flow g.p.m. Date
Temperature of water Was a chemical analysis made? Yes ☐ No ☐

(10) WELL LOG:

Formation: *Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.*

MATERIAL	FROM	TO
Top Soil	0	6
Brown Hardpan	6	14
Blue Clay	14	43
Blue Hardpan	43	56
Blue Clay	56	91
Sand (little water)	91	96
Blue Clay	96	101
Sand and Water	101	112

Work started 5-24 19 74 Completed 5-29 19 74

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME Burt Well Drilling (Person, firm, or corporation) (Type or print)

Address Route 1, Box 283 Poulsbo, Wn. 98370

[Signed] George O Burt (Well Driller)

License No. 223-02-6984 Date June 12, 19 74

(USE ADDITIONAL SHEETS IF NECESSARY)

S. F. No. 7356—OS—(Rev. 4-71).

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT
STATE OF WASHINGTON

24/02-05G
Application No

Permit No

(1) OWNER: Name ALAN SATO Address 601 HIGH SCHOOL WY NE BAINB.IS.

(2) LOCATION OF WELL: County KITSAP — SW¼ NE¼ Sec. 5 T 24 N., R 2E W.M.

Bearing and distance from section or subdivision corner

(3) PROPOSED USE: Domestic [X] Industrial [ ] Municipal [ ]
Irrigation [ ] Test Well [ ] Other [ ]

(4) TYPE OF WORK: Owner's number of well (if more than one)
New well [X] Method: Dug [ ] Bored [ ]
Deepened [ ] Cable [X] Driven [ ]
Reconditioned [ ] Rotary [ ] Jetted [ ]

(5) DIMENSIONS: Diameter of well 6" inches.
Drilled 91 ft. Depth of completed well 91 ft.

(6) CONSTRUCTION DETAILS:

Casing installed: ..." Diam. from ... ft. to ... ft.
Threaded [ ] ..." Diam. from ... ft. to ... ft.
Welded [X] ..." Diam. from 0 ft. to 88 ft.

Perforations: [ ] No [X]
Type of perforator used
SIZE of perforations ... in. by ... in.
... perforations from ... ft. to ... ft.
... perforations from ... ft. to ... ft.
... perforations from ... ft. to ... ft.

Screens: Yes [X] No [ ]
Manufacturer's Name
Type S.S. JOHNSON Model No
Diam. 6 Slot size 12 from 88 ft. to 91 ft.
Diam. ... Slot size ... from ... ft. to ... ft.

Gravel packed: Yes [ ] No [X] Size of gravel:
Gravel placed from ... ft. to ... ft.

Surface seal: Yes [X] No [ ] To what depth? ... ft.
Material used in seal BENTONITE
Did any strata contain unusable water? Yes [ ] No [X]
Type of water? Depth of strata
Method of sealing strata off

(7) PUMP: Manufacturer's Name WEBTROL
Type: SUB H.P. ½

(8) WATER LEVELS: Land-surface elevation above mean sea level ... ft.
Static level 40 ft. below top of well Date 11-1-78
Artesian pressure ... lbs. per square inch Date
Artesian water is controlled by (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes [X] No [ ] If yes, by whom? DRILLER
Yield: 20 gal./min. with 10 ft. drawdown after 4 hrs.
" " " "
" " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test
Baller test 10 gal./min. with 4 ft. drawdown after 4 hrs.
Artesian flow g.p.m. Date 11-1-78
Temperature of water Was a chemical analysis made? Yes [ ] No [X]

(10) WELL LOG:

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL	FROM	TO
BR CLAY SAND GRAVEL COBBLES	0	6
CLAY SAND GRAVEL BR	6	17
H.P MED BR	17	21
CLAY SAND GRAVEL GR	21	48
FINE SAND CLAY GR	48	59
CLAY SILTY BR	59	61
CLAY-SAND GR	61	87
BR SAND COURSE WATER	87	91

Work started 10-24 19 78 Completed 11-2 19 78

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME McCOY DRILLING & WELL DEVELOPMENT CO
(Person, firm, or corporation) (Type or print)

Address 3156 NORTHWESTWAY NW. BREMERTON WA 98310

[Signed] Walter H. Engen
(Well Driller)

License No. 0120 Date 11-2 19 78

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy -- Driller's Copy

WATER WELL REPORT
STATE OF WASHINGTON

Application No. 26/02/16L
Permit No.

(1) OWNER: Name Kitsap PUD No. 1 Address Port Orchard, Washington

(2) LOCATION OF WELL: County Kitsap — NE ¼ SW ¼ Sec. 16 T. 26 N., R. 2E W.M.
Bearing and distance from section or subdivision corner Augusta Road Well Site

(3) PROPOSED USE: Domestic ☐ Industrial ☐ Municipal ☒
Irrigation ☐ Test Well ☐ Other ☐

(4) TYPE OF WORK: Owner's number of well (if more than one)
New well ☒ Method: Dug ☐ Bored ☐
Deepened ☐ Cable ☐ Driven ☐
Reconditioned ☐ Rotary ☐ Jetted ☐

(5) DIMENSIONS: Diameter of well 22 inches.
Drilled 330 ft. Depth of completed well 330 ft.

(6) CONSTRUCTION DETAILS:

Casing installed: 12 " Diam. from 0 ft. to 279 ft.
Threaded ☐ " Diam. from ft. to ft.
Welded ☐ " Diam. from ft. to ft.

Perforations: Yes ☐ No ☒
Type of perforator used
SIZE of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

Screens: Yes ☒ No ☐
Manufacturer's Name Johnson
Type 304 Stainless Model No. Watermark
Diam. 6" Slot size 0.027 from 279 ft. to 319 ft.
Diam Slot size from ft. to ft.

Gravel packed: Yes ☒ No ☐ Size of gravel: Monterey #16
Gravel placed from 257 ft. to 330 ft.

Surface seal: Yes ☒ No ☐ To what depth? 18 ft.
Material used in seal Neat cement
Did any strata contain unusable water? Yes ☐ No ☒
Type of water? Depth of strata
Method of sealing strata off

(7) PUMP: Manufacturer's Name
Type: H.P.

(8) WATER LEVELS: Land-surface elevation above mean sea level 55± ft.
Static level 34 ft. below top of well Date 4/29/86
Artesian pressure lbs. per square inch Date
Artesian water is controlled by (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☒ No ☐ If yes, by whom? AGI
Yield: 756 gal./min. with 101 ft. drawdown after 24 hrs.
" " " "
" " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level
5:00	62.0	120:00	46.9		
10:00	58.3	150:00	45.6		
90:00	48.0				

Date of test 6/1/86
Bailer test gal./min. with ft. drawdown after hrs.
Artesian flow g.p.m. Date
Temperature of water 9°C Was a chemical analysis made? Yes ☒ No ☐

(10) WELL LOG:

Formation: *Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.*

MATERIAL	FROM	TO
Brown sand and silty sand	0	6
Gray silt and silty clayey sand	6	43
Gray fine to medium sand	43	48
Gray silty and clayey fine sand	48	98
Gray silty clay	98	120
Gray fine to medium gravelly sand	120	164
Dark gray clayey fine sand	164	178
Gray silty clay	178	255
Gray fine sand	255	263
Gray silty and clayey fine sand	263	272
Gray fine to medium sand	272	319
Gray clayey sandy gravel	319	324
Gray silty clayey sand	324	330

RECEIVED
MAY 29 1986
DEPARTMENT OF ECOLOGY
NORTHWEST REGION

Work started March 13, 1986 Completed April 8, 1986

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME Burt Well Drilling, Inc. (Person, firm, or corporation) (Type or print)
Address 19282 N.E. Lincoln Rd. Poulsbo Wa, 98370
[Signed] George Burt (Well Driller)
License No. 0048 Date May 22, 1986

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

Bruner, Marian (ECY)

From: Marty Sebren [marty@kpud.org]
Sent: Tuesday, February 23, 2010 3:05 PM
To: Bruner, Marian (ECY)
Subject: Well Logs contact

To Whom It May Concern:

In the table below I have associated **well_log_id** with **well_tag_nr** for a number of older Kitsap PUD well logs where your system currently lacks the well_tag_nr. Please update your system with the **well_tag_nr** provided here.

well_log_id	well_tag_nr	well_depth_qt	well_diameter_qt	well_owner_nm
66900	AAA106	212	12	KITSAP COUNTY PUD
66901	AAC799	364	12	KITSAP COUNTY PUD #1
66902	AAA111	1030	6	KITSAP COUNTY PUD #1
66903	AAA110	402	8	KITSAP COUNTY PUD #1
66904	AAA012	805	10	KITSAP COUNTY PUD #1
66905	AAA014	338	12	KITSAP COUNTY PUD NO. 1
66910	AAC340	1070	6	KITSAP PUD #1
66912	ACK363	375	6	KITSAP PUD #1
66913	AAA102	466	6	KITSAP PUD #1
66914	AAA015	329	12	KITSAP PUD #1
66915	AAA710	330	22	KITSAP PUD NO. 1
66916	AAA013	335	16	KITSAP PUD NO. 1
278452	AAA707	809	16	KITSAP PUD NO. 1
69371	AAB416		8	PUD #1, KITSAP COUNTY
69372	AAB471	239	12	PUD NO 1 OF KITSAP COUNTY
69373	AAA717	587	8	PUD NO 1 OF KITSAP COUNTY
69374	AAB406	414	12	PUD NO. 1 OF KITSAP CO.
70898	AAA713	473	8	SUQUAMISH WELL NO. 2 (KPUD)

Martin B. Sebren, L.H.G.

Public Utility District No. 1 of Kitsap County

PO Box 1989

Poulsbo, WA 98370

Office: (360) 626-7722

Cell: (360) 265-6553

Fax: (360) 697-4197

e-mail: sebe@kpud.org

of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

STATE OF WASHINGTO.
DEPARTMENT OF CONSERVATION AND DEVELOPMENT

Appli. 7735

WELL LOG No 1 E -6977

Date June 26 , 19 65

Record by Driller

Source Driller's Record

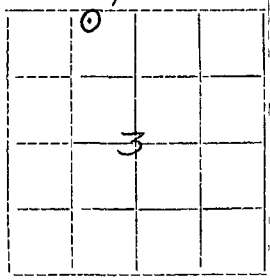


Diagram of Section

24/2E-3C
File number

Location State of WASHINGTON

County Kitsap

Area 825' W & 100' S of

Map $N\frac{1}{4}$ Cor.

NE ¼ NW ¼ sec 3 T 24 N, R 2 E W

Drilling Co H. O. Meyer Drilling Co., Inc.

Address 6424 Lake Wn. Blvd. NE, Kirkland, Wash.

Method of Drilling Cable Date , 19

Owner Bainbridge Island School District 303

Address Bainbridge Island, Wash.

Land surface, datum ft above / below

CORRELATION	MATERIAL	THICKNESS (feet)	DEPTH (feet)
	(Transcribe driller s terminology literally but paraphrase as necessary in parentheses If material water bearing so state and record static level if reported Give depths in feet below land-surface datum unless oth rwise indicated Correlate with stratigraphic column if feasible Following log of materials list all casings perforations screens etc)		
	School use		
	DIMS. 12" x 286'		
	Topsoil & clay	0	6
	Clay, sand & gravel	6	17
	Hardpan & gravel	17	24
	Clay, yellow, & hardpan	24	62
	Clay, yellow, sandy, silt at 73	62	77
	Clay, sd. silt & gravel at 87	77	112
	Clay, blue	112	124
	Hardpan, brown	124	140
	Hardpan, grey	140	146
	Clay, blue gr.	146	191
	Silt, blue grey, some clay	191	215
	Silt, compact	215	262

Turn up Sheet of sheets

WELL LOG —Continued No / -

CORRELATION	MATERIAL	THICKNESS (feet)	DEPTH (feet)
	Depth forward	———	
	Sand, silty, fine, water bearing	262	274
	Sand, medium, & small gravel, water bearing	274	282
	Hardpan, grey	282	284
	Clay, blue	284	289
	Casing: 12" from 0-286'		
	5" from 0-271'		
	Screen installed from 282-277', from 277-271'		
	Gravel packed from 286-250'		
	Surface sealed with cement		
	SWL: 145' on 5-19-65		
	Yield: 37.5 gpm with 49.5' DD	after 8 hrs.	
	37.5 " 42'	" 8 hrs.	
(2nd day)	166-194' DD		
	Recovery data:		
	Time - 3:15 Water level: 194'		
	3:18	152'	
	3:23	149'	
	3:38	145'	
	Temp: 50°		

S F No 7449—OS—6-61—2M

of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

WATER WELL REPORT

DEPARTMENT OF ECOLOGY State of Washington

Original & 1st copy - Ecology, 2nd copy - owner, 3rd copy - driller

Construction/Decommission *("x" in circle)*

☒ Construction

☐ Decommission *ORIGINAL INSTALLATION*

Notice of Intent Number _____

PROPOSED USE: ☐ Domestic ☐ Industrial ☒ Municipal ☐ DeWater ☐ Irrigation ☐ Test Well ☐ Other _____

TYPE OF WORK: Owner's number of well (if more than one) 10

☒ New well ☐ Reconditioned *Method:* ☐ Dug ☐ Bored ☐ Driven ☐ Deepened ☒ Cable ☒ Rotary ☐ Jetted

DIMENSIONS: Diameter of well 8 inches, drilled 322 ft.

Depth of completed well 316.9 ft.

CONSTRUCTION DETAILS

Casing Installed: ☒ Welded 8 " Diam. from +3 ft. to 286.8 ft.

☐ Liner installed _____ " Diam. from _____ ft. to _____ ft.

☐ Threaded _____ " Diam. From _____ ft. to _____ ft.

Perforations: ☐ Yes ☒ No

Type of perforator used _____

SIZE of perfs _____ in. by _____ in. and no. of perfs _____ from _____ ft. to _____ ft.

Screens: ☒ Yes ☐ No ☒ K-Pac Location 281.3

Manufacturer's Name Alloy Machine Works

Type Stainless Steel Model No. Telescoping

Diam. 8" Slot size 20 from 286.9 ft. to _____ ft.

Diam. 8" Slot size 30 from _____ ft. to 312.9 ft.

Gravel/Filter packed: ☐ Yes ☒ No Size of gravel/sand _____

Materials placed from _____ ft. to _____ ft.

Surface Seal: ☒ Yes ☐ No To what depth? 31 ft.

Material used in seal Bentonite Chips

Did any strata contain unusable water? ☐ Yes ☒ No

Type of water? _____ Depth of strata _____

Method of sealing strata off _____

PUMP: Manufacturer's Name _____

Type: _____ H.P. _____

WATER LEVELS: Land-surface elevation above mean sea level 132 ft.

Static level 130.9 ft. below top of well Date 8/22/17

Artesian pressure _____ lbs. per square inch Date _____

Artesian water is controlled by _____ (cap, valve, etc.)

WELL TESTS: Drawdown is amount water level is lowered below static level

Was a pump test made? ☒ Yes ☐ No If yes, by whom? Gresham/KPUD

Yield: 167 gal./min. with 42.5 ft. drawdown after 24 hrs.

Yield: _____ gal./min. with _____ ft. drawdown after _____ hrs.

Yield: _____ gal./min. with _____ ft. drawdown after _____ hrs.

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level
0	173.4	30	133.5		
5	136.3	60	132.7		
10	135.15	120	131.7		

Date of test 8/23/17

Bailer Test _____ gal./min. with _____ ft. drawdown after _____ hrs.

Airtest _____ gal./min. with stem set at _____ ft. for _____ hrs.

Artesian flow _____ g.p.m. Date _____

Temperature of water _____ Was a chemical analysis made? ☐ Yes ☒ No

CURRENT

Notice of Intent No. WE27785

Unique Ecology Well ID Tag No. BIT833

Water Right Permit No. G1-25739 and others

Property Owner Name PUD #1 of Kitsap County

Well Street Address NE Baker Hill Road

City Bainbridge Island County Kitsap

Location NE 1/4-1/4 NE 1/4 Sec 4 Twn 24N R 2E EWM ☒ Check Or WWM ☐ One

(s, t, r Still REQUIRED)

Lat/Long Lat Deg 47 Lat Min/Sec 36'23.5"N

Long Deg 122 Long Min/Sec 32'40.09"W

Tax Parcel No. (Required) 042402-1-054-2005

CONSTRUCTION OR DECOMMISSION PROCEDURE

Formation: Describe by color, character, size of material and structure, and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of information. (USE ADDITIONAL SHEETS IF NECESSARY.)

MATERIAL	FROM	TO
Brown claybound silty sand & gravel	0	10
Gray silty clay with gravel	10	12
Black sharp gravel, black sand w/gray clay binder	12	20
Gray sticky clay w/gravel	20	21
Black sharp gravel, black sand w/silt binder	21	38
Gray fine to medium sand, some black gravel,	38	
loose, silty		54
Gray silty clay	54	67
Gray sticky clay	67	96
Gray sticky clay w/lenses of black peagravel& sand	96	134
Black claybound sand & gravel, silty	134	174
Gray fine to medium sand w/wood	174	181
Black medium gravel, fine to medium gray sand	181	182
Gray fine to medium sand, H20	182	199
Gray medium to coarse sand, gravel, H20	199	202
Black medium gravel, medium to coarse black	202	
sand, H20		213
Gray fine to medium sand, H20	213	244
Gray fine to medium sand,some gravel&wood,H20	244	279
Gray fine to coarse sand, gravel,some silt, H20	279	320
Gray fine silt	320	322
"Total Screen Assembly 35' 7 1/2"		
5.4' Riser w/packer		
20 Slot		
30 Slot		
30 Slot		
20 Slot		
30 Slot		
4' Tailpipe		

RECEIVED NOV 21 2017 DEPT OF ECOLOGY NWRO - WR

Start Date 06/06/17 Completed Date 8/4/17

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

☒ Driller ☐ Engineer ☐ Trainee Name (Print) CHAD A GRESHAM

Driller/Engineer/Trainee Signature _____

Driller or trainee License No. 3150

IF TRAINEE: Driller's License No: _____

Driller's Signature: _____

Drilling Company GRESHAM PUMP AND DRILLING INC

Address P O BOX 1600

City, State, Zip POULSBO , WA , 98370

Contractor's Registration No. GRESHPD871B8 Date 9/22/17

ECY 050-1-20 (Rev 06/08) If you need this document in an alternate format, please call the Water Resources Program at 360-407-6600. Persons with hearing loss can call 711 for Washington Relay Service. Persons with a speech disability can call 877-833-6341.

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report

File Original and First Copy with Department of Ecology
Second Copy—Owner's Copy
Third Copy—Driller's Copy

WATER WELL REPORT

STATE OF WASHINGTON

Start Card No. 078258

Water Right Permit No. 25/2E/28P

(1) OWNER: Name JAMINE BALLAND Address 9306 Day Rd, B.I., Wa 98110

(2) LOCATION OF WELL: County Kitsap SE ¼ SW ¼ Sec. 28 T. 25 N., R. 2E W.M.

(2a) STREET ADDDRESS OF WELL (or nearest address) Jima Rd off Vincent Rd, B.I, WA 98110

(3) PROPOSED USE: [X] Domestic [ ] Industrial [ ] Municipal [ ] Irrigation [ ] Test Well [ ] Other [ ] DeWater

(4) TYPE OF WORK: Owner's number of well (if more than one) _____

Abandoned [ ] New well [X] Method: Dug [ ] Bored [ ] Deepened [ ] Cable [ ] Driven [ ] Reconditioned [ ] Rotary [X] Jetted [ ]

(5) DIMENSIONS: Diameter of well 6 inches. Drilled 390 feet. Depth of completed well 380' 6" ft.

(6) CONSTRUCTION DETAILS:

Casing installed: 6" * Diam. from 0 ft. to 378 ft.

Welded [X] Liner installed [ ] Threaded [ ] _____ * Diam. from _____ ft. to _____ ft.

_____ * Diam. from _____ ft. to _____ ft.

Perforations: Yes [ ] No [X]

Type of perforator used _____

SIZE of perforations _____ in. by _____ in.

_____ perforations from _____ ft. to _____ ft.

_____ perforations from _____ ft. to _____ ft.

_____ perforations from _____ ft. to _____ ft.

Screens: Yes [X] No [ ]

Manufacturer's Name _____

Type Houston Model No. _____

Diam. 5 Slot size 6 from 375' 6" ft. to 380 6" ft.

Diam. _____ Slot size _____ from _____ ft. to _____ ft.

Gravel packed: Yes [ ] No [X] Size of gravel _____

Gravel placed from _____ ft. to _____ ft.

Surface seal: Yes [X] No [ ] To what depth? 18+ ft.

Material used in seal Bentonite

Did any strata contain unusable water? Yes [ ] No [ ]

Type of water? _____ Depth of strata _____

Method of sealing strata off _____

(7) PUMP: Manufacturer's Name Sta-Rite

Type: Submersible H.P. 1½

(8) WATER LEVELS: Land-surface elevation above mean sea level _____ ft.

Static level 221' 6" ft. below top of well Date 2/17/93

Artesian pressure _____ lbs. per square inch Date _____

Artesian water is controlled by _____ (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level

Was a pump test made? Yes [ ] No [ ] If yes, by whom? _____

Yield: _____ gal./min. with _____ ft. drawdown after _____ hrs.

" " " "

" " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test _____

Bailer test _____ gal./min. with _____ ft. drawdown after _____ hrs.

Airtest 12 gal./min. with stem set at 370 ft. for 2 hrs.

Artesian flow _____ g.p.m. Date _____

Temperature of water _____ Was a chemical analysis made? Yes [ ] No [X]

(10) WELL LOG or ABANDONMENT PROCEDURE DESCRIPTION

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of information.

MATERIAL	FROM	TO
Brn hardpan	0	34
Brn sand & gravel some Brn clay chunks	34	98
Brn sand with Brn clay	98	118
Brn sand & gravel	118	164
Brn clay	164	166
Brn sand	166	215
Lite Brn clay	215	220
Silty Sand	220	228
Grey clay	228	230
Silty clay	230	235
Silt	235	255
Silty clay	255	300
Silt	300	322
Clay	322	370
Clay with white Pumus	370	378
grey sand, Pumus, Water	378	380
Grey clay	380	

RECEIVED
AUG 19 1993
DEPT. OF ECOLOGY

Work started 2-9-93, 19 Completed 2-17, 19 93

WELL CONSTRUCTOR CERTIFICATION:

I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

NAME Duckworth Pump + Well Drilling (PERSON, FIRM, OR CORPORATION) (TYPE OR PRINT)

Address 18365 Diamond Drive NE. Poulsbo, WA 98370

(Signed) Donald O Duckworth (WELL DRILLER) License No. 1147

Contractor's Registration No. Duckwpw148CJ Date 1-10, 1993

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20 (10/87) -1329-

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

25N/02E-08P02
BATTLE POINT PARK

WELL LOG REPORT FOR:

Start Card No: **USGS Site ID:** 473946122342601
DOE Site ID: AAC558 **Internal Project N**
Local Name: BAINBRIDGE ISLA **Local Number:** 25N/02E-08P02
Water Right Permit: **Parcel ID:** 172502-2-044-2000

OWNER:

Owner Name: US NAVY RADIO ST (NEW BAINBRIDG
Address: **City, State Zip:** ,

LOCATION:

County: KITSAP **Q/Q1:** NE **Q/Q2:** NW **T:** 25 **R:** 2 **M:** E **S:** 17
Well Address: **City, State Zip:** ,

PROPOSED USE:

Proposed Use: **ProposedType:**

TYPE OF WORK:

Type Of Work: **Drilling Method:**
Drilling Contractor: BELL & SON

DIMENSIONS:

Diameter Of Well: 6 **Well Depth Drilled:** 910
Well Depth Completed: 910

CONSTRUCTION DETAILS:

Casing Information:
Casing Type: **Diam:** **From:** **To:**

Perforations:
Gravel Packed:
Screens:
Seals:

PUMP:

Pump Man: **Pump Type:** **Pump Model No:**

WATER LEVELS:

Elevation: 130.00
Water Level: **WL Date:**
Art Press: **Art Press Date:** **Art Control:**

WELL TESTS:

Well Test Yields:

Test Type:	Date Of Test:	Time:	Yield:	Drawdown:
Pump	1/1/1901	8	30	45

Well Test Recoveries:

GEO LOG:

Material:	From:	To:
SOIL	0	1.5
SILT	1.5	82
SAND, BLUE	82	101
CLAY, BLUE SANDY	101	207
SAND, FINE	207	213
SAND AND CLAY, BLUE HARD	213	216
SAND, SILT, AND SHALE, BROWN H	216	246
SHALE, (CLAY) HARD	246	248
SAND AND CLAY, BROWN	248	262
SANDSTONE, HARD	262	276
CLAY, BLUE AND SAND	276	285
CLAY, BLUE AND SHALE, WITH SO	290	375
CLAY AND SHALE, SANDY SOME FI	375	475
CLAY, BLUE	475	650
CLAY WITH CLAM SHELLS	650	681
CLAY, SILTY HARD	681	685
CLAY, SILTY AND GRAVEL	685	695
CLAY AND GRAVEL	695	743
CLAY AND SAND	743	756
CLAY, SAND AND GRAVEL	756	777
CLAY, HARD AND SAND	777	820
CLAY, HARD, SAND AND GRAVEL	820	902

26/2-34 F

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT
STATE OF WASHINGTON

Application No. .....
Permit No. .....

(1) OWNER: Name BENNETT, BRENT Address P.O. Box 10357, BAINBRIDGE IS. WA. 98110

(2) LOCATION OF WELL: County KITSAP NW 1/4 SE 1/4 NW 1/4 Sec 34 T. 26 N., R. 2E W.M.

Bearing and distance from section or subdivision corner

(3) PROPOSED USE: Domestic ☑ Industrial ☐ Municipal ☐ Irrigation ☐ Test Well ☐ Other ☐

(4) TYPE OF WORK: Owner's number of well (if more than one) .....
New well ☑ Method: Dug ☐ Bored ☐
Deepened ☐ Cable ☑ Driven ☐
Reconditioned ☐ Rotary ☐ Jetted ☐

(5) DIMENSIONS: Diameter of well 6" inches.
Drilled 230 ft. Depth of completed well 225 ft.

(6) CONSTRUCTION DETAILS:

Casing installed: 6" Diam. from 0 ft. to 212 ft.
Threaded ☐ ." Diam. from ft. to ft.
Welded ☑ ." Diam. from ft. to ft.

Perforations: Yes ☐ No ☑
Type of perforator used
SIZE of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

Screens: Yes ☑ No ☐
Manufacturer's Name COOK
Type SS Model No.
Diam. 5" Slot size 6 from 215 ft. to 225 ft.
Diam. Slot size from ft. to ft.
6' 5" BLANK ON BOTTOM

Gravel packed: Yes ☐ No ☑ Size of gravel:
Gravel placed from ft. to ft.

Surface seal: Yes ☑ No ☐ To what depth? 18 ft.
Material used in seal BENTONITE
Did any strata contain unusable water? Yes ☐ No ☑
Type of water? Depth of strata
Method of sealing strata off

(7) PUMP: Manufacturer's Name WESTBOLT
Type: SUB H.P. 1/2

(8) WATER LEVELS: Land-surface elevation above mean sea level .... ft.
Static level 40 ft. below top of well Date 1-17-83
Artesian pressure lbs. per square inch Date
Artesian water is controlled by (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☑ No ☐ If yes, by whom? DRILLER
Yield: 17 gal./min. with 65 ft. drawdown after 4 hrs.
" " " "
" " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test 1-19-83
Bailer test 20 gal./min. with 70 ft. drawdown after 4 hrs.
Artesian flow g.p.m. Date
Temperature of water Was a chemical analysis made? Yes ☐ No ☑

(10) WELL LOG:

Formation: *Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.*

MATERIAL		FROM	TO
CLAY-GRAVEL	BR	0	17
CLAY	BL	17	31
CLAY GRAVEL	BR	31	40
CLAY-SAND-GRAVEL	BR-	40	52
CLAY	LT. BR-	52	58
CLAY-SAND-GRAVEL	GR	58	86
CLAY	BL-	86	132
SILTY CLAY	BR-	132	210
FINE SAND	WATER	210	226
CLAY SAND	BR-	226	230

Work started 1-10 19 83 Completed 1-26 19 83

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME McCoy Drilling & Well Dev. Co.
(Person, firm, or corporation) (Type or print)

Address 2401 S. Bayview St. Seattle, Wa. 98144

[Signed] Walter H. Boyer
(Well Driller)

License No. 0120 Date 1-26 19 83

(USE ADDITIONAL SHEETS IF NECESSARY)

EGY 050-1-20

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

25/2 – 22/C

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT

STATE OF WASHINGTON

Application No. .....

Permit No. .....

(1) OWNER: Name Bart Berg Address 840 NE Finlayson Lane B.I. 98110

(2) LOCATION OF WELL: County Kitsap NW¼ of NE¼ NW¼ Sec 22 T 25 N., R 2 E W.M.

Bearing and distance from section or subdivision corner SE 4 x E½ of S Lindahl 5 ac. Tracts

(3) PROPOSED USE: Domestic ☒ Industrial ☐ Municipal ☐ Irrigation ☐ Test Well ☐ Other ☐

(4) TYPE OF WORK: Owner's number of well (if more than one) .....
New well ☒ Method: Dug ☐ Bored ☐
Deepened ☐ Cable ☒ Driven ☐
Reconditioned ☐ Rotary ☐ Jetted ☐

(5) DIMENSIONS: Diameter of well 6 inches.
Drilled 225 ft. Depth of completed well 225 ft.

(6) CONSTRUCTION DETAILS:

Casing installed: ..." Diam. from .. ft. to .. ft.
Threaded ☐ 6" Diam. from 220 ft. to 225 ft.
Welded ☒ ..." Diam. from .. ft. to .. ft.

Perforations: Yes ☐ No ☒
Type of perforator used .....
SIZE of perforations ... in. by ... in.
... perforations from ... ft. to ... ft.
... perforations from ... ft. to ... ft.
... perforations from ... ft. to ... ft.

Screens: Yes ☒ No ☐
Manufacturer's Name Johnson
Type Stainless Model No .....
Diam. 6 Slot size .. from .. ft. to .. ft.
Diam. 6 Slot size 12 from 220 ft. to 225 ft.

Gravel packed: Yes ☐ No ☒ Size of gravel: .....
Gravel placed from ... ft. to ... ft.

Surface seal: Yes ☒ No ☐ To what depth? 20 ft.
Material used in seal Bentonite
Did any strata contain unusable water? Yes ☐ No ☒
Type of water? ... Depth of strata ...
Method of sealing strata off .....

(7) PUMP: Manufacturer's Name Sta-Rite
Type: Jet H.P. 1

(8) WATER LEVELS: Land-surface elevation above mean sea level .... 140 ft.
Static level 96 ft. below top of well Date 2-18-83
Artesian pressure ... lbs. per square inch Date ...
Artesian water is controlled by ... (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☒ No ☐ If yes, by whom? Driller
Yield: 14½ gal./min. with 34 ft. drawdown after 4 hrs.

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test .....
Bailer test 15 gal./min. with 45 ft. drawdown after 3 hrs.
Artesian flow ... g.p.m. Date ...
Temperature of water ... Was a chemical analysis made? Yes ☐ No ☒

(10) WELL LOG:

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL		FROM	TO
Hard pan	Brown	0	24
Hard pan	Gray	24	38
Hard pan – Cemented	"	38	42
Sand & gravel	Brown	42	44
Gravel & sand	"	44	46
Sandy mud	"	46	47
Sand & gravel – Cemented	"	47	50
Hard pan	"	50	52
Hard pan	Gray	52	70
Tuff	Blue	70	83
Clay	"	83	130
Clay – Sticky	"	130	152
Clay – Silty	"	152	160
Clay & rocks	"	160	175
Clay	"	175	184
Tuff	"	184	206
Sand & fine gravel	"	206	208
Sand – Dirty	"	208	210
Clay	Blue/Black	210	216
Sand – Salt		216	218
Sand – Salt		218	221

Work started Feb. 2, 1983 Completed Feb. 18, 1983

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME CRABTREE DRILLING CO.
(Person, firm, or corporation) (Type or print)

Address 32349 EGLON RD NE, KINGSTON

[Signed] Jerry Crabtree
(Well Driller)

License No. 82 Date Feb. 21, 1983

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

25/02-17E

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT
STATE OF WASHINGTON

Application No
Permit No

(1) **OWNER:** Name Bob Brown Address 2407 25th Ave. E; Seattle, WA 98112

(2) **LOCATION OF WELL:** County Kitsap — SW ¼ NW ¼ Sec. 17 T. 25 N., R. 2E W.M.

Bearing and distance from section or subdivision corner

(3) **PROPOSED USE:** Domestic ☐ Industrial ☐ Municipal ☐ Irrigation ☐ Test Well ☒ Other ☐

(4) **TYPE OF WORK:** Owner's number of well (if more than one)
New well ☒ Method: Dug ☐ Bored ☐
Deepened ☐ Cable ☒ Driven ☐
Reconditioned ☐ Rotary ☐ Jetted ☐

(5) **DIMENSIONS:** Diameter of well 6 inches.
Drilled 280 ft. Depth of completed well 148 ft.

(6) **CONSTRUCTION DETAILS:**
Casing installed: 6 " Diam. from +1 ft. to 148 ft.
Threaded ☐ " Diam. from ft. to ft.
Welded ☒ " Diam. from ft. to ft.

Perforations: Yes ☐ No ☒
Type of perforator used
SIZE of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

Screens: Yes ☒ No ☐
Manufacturer's Name Johnson
Type Welded wire Model No.
Diam. 6" Slot size .012 from 143 ft. to 148 ft.
Diam. Slot size from ft. to ft.

Gravel packed: Yes ☐ No ☐ Size of gravel:
Gravel placed from ft. to ft.

Surface seal: Yes ☒ No ☐ To what depth? 18 ft.
Material used in seal Bentonite
Did any strata contain unusable water? Yes ☐ No ☒
Type of water? Depth of strata
Method of sealing strata off

(7) **PUMP:** Manufacturer's Name
Type: H.P.

(8) **WATER LEVELS:** Land-surface elevation above mean sea level 300 ft.
Static level 90 ft. below top of well Date
Artesian pressure lbs. per square inch Date
Artesian water is controlled by (Cap, valve, etc.)

(9) **WELL TESTS:** Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☐ No ☒ If yes, by whom?
Yield: gal./min. with ft. drawdown after hrs.
" " " "
" " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

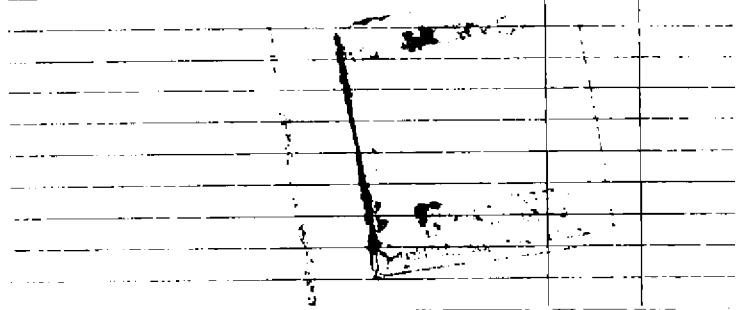
Time	Water Level	Time	Water Level	Time	Water Level

Date of test
Bailer test 20 gal./min. with 30 ft. drawdown after 1 hrs.
Artesian flow g.p.m. Date
Temperature of water Was a chemical analysis made? Yes ☐ No ☒

(10) **WELL LOG:**

Formation: *Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.*

MATERIAL	FROM	TO
Topsoil	0	2
Brown sand & clay	2	10
Brown hardpan	10	15
Brown sand & clay	15	60
Grey clay & gravel	60	68
Brown hardpan	68	94
Grey hardpan	94	138
Brown hardpan - W. B.	138	145
Brown clay, sand & gravel - W. B.	145	147
Grey sand	147	170
Grey sand - moist	170	177
Grey clay	177	225
Grey clay & sand	225	280



Work started 3/26, 1979 Completed 8/31, 1979

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME Olympic West Drilling, Inc. (Person, firm, or corporation) (Type or print)

Address 9512 State Hwy 16 NW; Gig Harbor, WA

[Signed] William D. Maberry (Well Driller)

License No. 0286 Date 8/31, 1979

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

24/02-05 Ca

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT
STATE OF WASHINGTON

Application No.
Permit No.

(1) OWNER: Name Burt Conger Address PO Box 10284 Bainbridge Island 98110

(2) LOCATION OF WELL: County Kitsap — SW ¼ SE ¼ Sec. 5 T. 24 N. R. 2 E. W.M.

Bearing and distance from section or subdivision corner Portions of Parcels 6+7 Syversen's Subdivision

(3) PROPOSED USE: Domestic [X] Industrial [ ] Municipal [ ]
Irrigation [ ] Test Well [ ] Other [ ]

(4) TYPE OF WORK: Owner's number of well (if more than one)
New well [X] Method: Dug [ ] Bored [ ]
Deepened [ ] Cable [X] Driven [ ]
Reconditioned [ ] Rotary [ ] Jetted [ ]

(5) DIMENSIONS: Diameter of well 6 inches.
Drilled 201 ft. Depth of completed well 201 ft.

(6) CONSTRUCTION DETAILS:

Casing installed: 6 " Diam. from 0 ft. to 198 ft.
Threaded [ ] " Diam. from ft. to ft.
Welded [X] " Diam. from ft. to ft.

Perforations: Yes [ ] No [X]
Type of perforator used
SIZE of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

Screens: Yes [X] No [ ] Johnson
Manufacturer's Name
Type Stainless Model No.
Diam. Slot size from ft. to ft.
Diam. 6 Slot size 12 from 198 ft. to 201 ft.

Gravel packed: Yes [ ] No [X] Size of gravel
Gravel placed from ft. to ft.

Surface seal: Yes [X] No [ ] To what depth? 19 ft.
Material used in seal Bentonite
Did any strata contain unusable water? Yes [ ] No [X]
Type of water? Depth of strata
Method of sealing strata off

(7) PUMP: Manufacturer's Name Sta-Rite 1
Type: Jet H.P.

(8) WATER LEVELS: Land-surface elevation above mean sea level 80 ft.
Static level 79 ft. below top of well Date 2/13/79
Artesian pressure lbs. per square inch Date
Artesian water is controlled by (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes [X] No [ ] If yes, by whom? Driller
Yield: gal./min. with ft. drawdown after hrs.
" 16 " 51 " 4 "
" " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test
Bailer test 30 gal./min. with ft. drawdown after hrs.
Artesian flow g.p.m. Date
Temperature of water Was a chemical analysis made? Yes [ ] No [X]

(10) WELL LOG:

Formation: *Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.*

MATERIAL		FROM	TO
Top soil & gravel		0	8
Clay & rocks	Brown	8	20
Hard pan	Brown	20	34
Sand	"	34	80
Sand & clay	"	80	90
Clay	"	90	96
Sand, gravel & mud	"	96	102
Clay	Blue	102	106
Clay & silt	"	106	125
Clay, silt & gravel	"	125	137
Hard pan	Clay	137	158
Clay & gravel	Blue	158	185
Sand & gravel (1 G.P.M.)		185	191
Clay	Blue	191	194
Sand & gravel	"	194	195
Clay	Green	195	196
Sand & gravel		196	200

Work started Jan. 17 19 79 Completed Feb. 14 19 79

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME CRABTREE DRILLING CO.
(Person, firm, or corporation) (Type or print)

Address 33349 Eglon Rd. N.E. Kingston

[Signed] Jerry Crabtree
(Well Driller)

License No. 0082 Date Feb. 15, 19 79

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT
STATE OF WASHINGTON

Application No. 25/02-34D

Permit No.

(1) **OWNER:** Name BAUER DRAKE Address

(2) **LOCATION OF WELL:** County Kitsap — NW¼ NW¼ Sec 34 T. 25 N., R. 2E W.M.

Bearing and distance from section or subdivision corner

(3) **PROPOSED USE:** Domestic ☒ Industrial ☐ Municipal ☐ Irrigation ☐ Test Well ☐ Other ☐

(4) **TYPE OF WORK:** Owner's number of well (if more than one)
New well ☒ Method: Dug ☐ Bored ☐ Deepened ☐ Cable ☒ Driven ☐ Reconditioned ☐ Rotary ☐ Jetted ☐

(5) **DIMENSIONS:** Diameter of well 6 inches. Drilled 173 ft. Depth of completed well 173 ft.

(6) **CONSTRUCTION DETAILS:**

Casing installed: 6 " Diam. from 0 ft. to 167 ft.
Threaded ☐ " Diam. from ft. to ft.
Welded ☒ " Diam. from ft. to ft.

Perforations: Yes ☐ No ☒
Type of perforator used
SIZE of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

Screens: Yes ☒ No ☐ Manufacturer's Name Johnson - Super
Type Telescoping Model No.
Diam. 5x6 Slot size .8 from 173 ft. to 166 ft.
Diam. Slot size from ft. to ft.

Gravel packed: Yes ☐ No ☒ Size of gravel:
Gravel placed from ft. to ft.

Surface seal: Yes ☒ No ☐ To what depth? 18 ft.
Material used in seal Bentonite & Native Clay
Did any strata contain unusable water? Yes ☐ No ☒
Type of water? Depth of strata
Method of sealing strata off

(7) **PUMP:** Manufacturer's Name Sta-Rite
Type: Submersible H.P. 3/4

(8) **WATER LEVELS:** Land-surface elevation above mean sea level ft.
Static level 70 ft. below top of well Date 8-8-79
Artesian pressure lbs. per square inch Date
Artesian water is controlled by (Cap, valve, etc.)

(9) **WELL TESTS:** Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☒ No ☐ If yes, by whom? Driller
Yield: 4 gal./min. with 80 ft. drawdown after 24 hrs.
" " " "
" " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test
Bailer test 5 gal./min. with 80 ft. drawdown after 4 hrs.
Artesian flow g.p.m. Date
Temperature of water Was a chemical analysis made? Yes ☐ No ☒

(10) **WELL LOG:**

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL	FROM	TO
Sand & Gravel - Brown	0	3
Sandy Clay - Brown	3	16
Sand - Brown	16	22
Sandy Clay w/ Gravel - Brown	22	26
Clay - Gray Blue - w/sand & Gravel	26	31
Sandy Clay - Brown	31	74
Silty Clay - Gray Brown	74	91
Clay Blue -	91	101
Clay Gray - Blue, w/Gravel	101	106
Silty Clay - Gray Brown	106	126
Clay Gray	126	143
Silt - Clay Filled - Gray	143	147
Clay - Blue Gray	147	168
Sand - Gray - H_2O	168	173

That Pt of NW¼ NW¼ Des as Fols Beg at NW cor of Sec 34 Th S 1°19'16" W Alg W L N SD Sec 34 576.40 Ft TO POB Th Cont S 1°19'12" W 282 Ft Th S 88°42'44" E 336.16 Ft to Existing CEN LN of Sec End Ary St Hwy No. 11 Th N 4°57'44" W 308.52 Ft TO More Legal Desc on File.

RECEIVED
AUG 28 1980
DEPT OF ECOLOGY

Work started 7-26 19 79 Completed 8-8 19 79

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME Puget Sound Well Drilling (Person, firm, or corporation) (Type or print)

Address 18365 Diamond Drive N.E. Poulsbo, Wash 98370

[Signed] Richard L. Lanning (Well Driller)

License No. 1022 Date 8-10- 19 79

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20

The Department of Ecology does NOT Warrant the Data and/or the Information on this Well Report.

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

WASHINGTON STATE DEPARTMENT OF ECOLOGY

[redacted]871

UNIQUE WELL I.D. NUMBER AAA182 (X Y Z 1 2 3)

WELL TAGGING FORM

Date of Field Visit 4/16/92 By BA - PUD #1

RECORD VERIFICATION

- [x] Well Report available *(please attach)*
- [ ] Well Report not available
- [ ] Verification inconclusive

WELL OWNERSHIP

Name Frank Stowell

Street address 6223 Blakeley Ave

City Bainbridge Is State WA 98110

LOCATION OF WELL

Well Address 6223 Blakeley Ave

City Bainbridge Is County Kitsap

T 25 N. R. 02E W M. Sec. 34 D ¼ NW ¼ NW

GPS Location: Latitude 47 ° 37 ' 11 " N no signal

Longitude 122 ° 32 ' 25 " W

Elevation 112' (feet)/meters *(circle one)*

- [x] Digital Altimeter
- [ ] Topographic Map
- [ ] Other

If unable to verify location with GPS equipment:

- [x] Location marked on topographic map *(please attach if available)*
- [ ] Location marked on air photo *(please attach if available)*

AAA182

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

WELL CHARACTERISTICS

Physical Description of Well (size of casing, type of well, housing, etc.): drilled well with 6" casing not within any structure

Location of Well Identification Tag: on casing 4" from top

Was Supplemental Tag needed for ease of identifying well?

☑ NO ☐ YES

Scale 1 24,000 (1" =2,000')

D	C	B	A
E	F	G	H
M	L	K	J
N	P	Q	R

Indicate the location of the well within the Section by drawing a dot at that point.

SECTION 34 D

COMMENTS: _____

FOR ECOLOGY USE ONLY

Water Right # _____ Date Issued _____

STOWELL WELL 6223 Blakely Ave SI 98110

inal and First Copy with
nent of Ecology
Copy — Owner's Copy
Copy — Driller's Copy

WATER WELL REPORT 842.040.2

STATE OF WASHINGTON

Application No 25/02-342

Permit No

(1) OWNER: Name BAVER DRAKE/STOWELL Address 6223 BLAKELY

(2) LOCATION OF WELL: County KITSAP - NW¼ NW¼ Sec 34 T 25 N. R 2E WM

Bearing and distance from section or subdivision corner

(3) PROPOSED USE: Domestic ☒ Industrial ☐ Municipal ☐ Irrigation ☐ Test Well ☐ Other ☐

(4) TYPE OF WORK: Owner's number of well (if more than one)
New well ☒ Method Dug ☐ Bored ☐
Deepened ☐ Cable ☒ Driven ☐
Reconditioned ☐ Rotary ☐ Jetted ☐

(5) DIMENSIONS: Diameter of well 6 inches
Drilled 173 ft Depth of completed well 173 ft

(6) CONSTRUCTION DETAILS

Casing installed: 6 " Diam from 0 ft to 167 ft
Threaded ☐ " Diam from ft to ft
Welded ☒ " Diam from ft to ft

Perforations: Yes ☐ No ☒
Type of perforator used
SIZE of perforations in by in
perforations from ft to ft
perforations from ft to ft
perforations from ft to ft

Screens: Yes ☒ No ☐
Manufacturer's Name Johnson - Super
Type Telescoping Model No
Diam 5¼ Slot size 80 from 173 ft to 166 ft
Diam Slot size from ft to ft

Gravel packed: Yes ☐ No ☒ Size of gravel
Gravel placed from ft to ft

Surface seal: Yes ☒ No ☐ To what depth? 18 ft
Material used in seal Bentonite & Native Clay
Did any strata contain unusable water? Yes ☐ No ☒
Type of water? Depth of strata
Method of sealing strata off

(7) PUMP: Manufacturer's Name Sta-Rite
Type Submersible H.P. 3/4

(8) WATER LEVELS: Land-surface elevation above mean sea level
Static level 70 ft below top of well Date 8-8-79
Artesian pressure lbs per square inch Date
Artesian water is controlled by (Cap valve etc)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☒ No ☐ If yes, by whom? DRILLER
Yield 4 gal./min with 80 ft drawdown after 24 hrs
" " " "
" " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test
Bailer test 5 gal/min with 80 ft drawdown after 4 hrs
Artesian flow g.p.m. Date
Temperature of water Was a chemical analysis made? Yes ☐ No ☒

(10) WELL LOG.

Formation Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation

MATERIAL	FROM	TO
Sand & Gravel - Brown	0	3
Sandy Clay - Brown	3	16
Sand - Brown	16	22
Sandy Clay w/ Gravel - Brown	22	26
Clay - Gray Blue - w/ sand & Gravel	26	31
Sandy Clay - Brown	31	74
Silty Clay - Gray Brown	74	91
Clay Blue	91	101
Clay Gray - Blue, w/ Gravel	101	106
Silty Clay - Gray Brown	106	126
Clay Gray	126	143
Silt - Clay Filled - Gray	143	147
Clay - Blue Gray	147	168
Sand - Gray - H_2O	168	173

That Pt of NW¼ NW¼ Des as Fols Beg at NW cor of Sec 34 Th S 1° 19' 16" W Alg W L N SD Sec 34 576.40 Ft TO POB Th Cont S 1° 19' 12" W 282 Ft Th S 85° 42' E 336.16 Ft to Existing CEN LN of Sec END MAY ST HWY NO. 11 Th N 4° 57' 44" W 308.52 Ft Th More Legal Desc on File

AA 182

RECEIVED
AUG 26 1980
DEPT OF ECOLOGY

Work started 7-26 19 79 Completed 8-8 19 79

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief

NAME Puget Sound Well Drilling (Person firm or corporation) (Type or print)

Address 18365 Diamond Drive N.E. Poulsbo, Wash 98370

[Signed] Richard L. Lanning (Well Driller)

License No 1022 Date 8-10- 19 79

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

KITSAP COUNTY PUD #1
PRIVATE WELL/CONSERVATION PROGRAM

LAB NO. N/A

map 2/56

ACCOUNT NO. _____ DIV. _____

CUSTOMER NAME (PLEASE PRINT) Frank (FIRST) Stowell (LAST)

Well #1

ADDRESS WHERE SHOWERHEAD INSTALLED:

STREET 6223 Blakeley Ave UNIT # _____

CITY Bainbridge STATE WA ZIP 98110

CUSTOMER'S SIGNATURE Mary S. Stowell DATE 4/16/92

QUANTITY	BRAND	PROGRAM/DELIVERY METHOD
1	Ondine Showerhead	(4) Business Office
	Kitchen Aerator	(1) Single Family
	Bath Aerator	NO (4) Contractor Installed

PUD ACCT # [redacted]871 WELL ID # AAA182 LOCAL # 25N/02E-34D

ELEVATION ~~115~~ 112 altim LATITUDE/LONGITUDE _____ / no signal

(D) _____ DRILLED(W) SPRING(S) _____ ~~log~~ log attached N/A both wells

ORIGINAL OWNER _____ DRILLER Puget Sound Drilling

YEAR DRILLED 1975 apx WELL DEPTH 173'

PHONE # 842-0408 home 623-4070 Frank (work) TIME BEGAN 10:56 TIME COMPLETED 12:13

DESCRIPTION OF MEASURING PT. (MP) top of casing

HEIGHT OF MP ABOVE/BELOW LAND SURFACE 1.05' BacT —

DEPTH TO WATER BELOW MP 68.70' DEPTH TO WATER BELOW LS 67.65'

TEMPERATURE — SPECIFIC CONDUCTIVITY — pH —

Nitrate mg/L — Fe mg/L — Mn mg/L —

COLOR — ODOR — APPEARANCE —

SAMPLING POINT DESCRIPTION NO Samples possible

REMARKS South end of Is near Old Mill Rd — Green house sun box. 2 wells (deep drilled & ~~dug~~ a dug well). wells by drive near barn. drilled has hose bib at well. Dug well sample back corner NW close to deck & garden

SAMPLING PERSONNEL BA

DISPLACEMENT BAG INSTALLED _____ YES _____ NO 2 wells

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT
STATE OF WASHINGTON

Application No. 26/02-34G

Permit No. .....

(1) OWNER: Name AL BENZ Address 7005 FOREST ST., SEATTLE, 98144

(2) LOCATION OF WELL: County KITSAP SW 1/4 SW 1/4 NE 1/4 Sec. 34 T. 26 N., R. 2E W.M.

Bearing and distance from section or subdivision corner

(3) PROPOSED USE: Domestic ☑ Industrial ☐ Municipal ☐ Irrigation ☐ Test Well ☐ Other ☐

(4) TYPE OF WORK: Owner's number of well (if more than one) .....
New well ☑ Method: Dug ☐ Bored ☐
Deepened ☐ Cable ☑ Driven ☐
Reconditioned ☐ Rotary ☑ Jetted ☐

(5) DIMENSIONS: Diameter of well 6 inches.
Drilled 526 ft. Depth of completed well 526 ft.

(6) CONSTRUCTION DETAILS:
Casing installed: 6 " Diam. from 0 ft. to 523 ft.
Threaded ☐ " Diam. from ... ft. to ... ft.
Welded ☑ " Diam. from ... ft. to ... ft.

Perforations: Yes ☐ No ☑
Type of perforator used .....
SIZE of perforations ... in. by ... in.
... perforations from ... ft. to ... ft.
... perforations from ... ft. to ... ft.
... perforations from ... ft. to ... ft.

Screens: Yes ☑ No ☐ JOHNSON
Manufacturer's Name
Type STAINLESS Model No.
Diam. 5 Slot size 80 from 523 ft. to 526 ft.
Diam. ... Slot size ... from ... ft. to ... ft.

Gravel packed: Yes ☐ No ☑ Size of gravel: .....
Gravel placed from ... ft. to ... ft.

Surface seal: Yes ☑ No ☐ To what depth? 20 ft.
Material used in seal BENTONITE
Did any strata contain unusable water? Yes ☐ No ☑
Type of water? ... Depth of strata ...
Method of sealing strata off .....

(7) PUMP: Manufacturer's Name Bentley 3/4
Type: SUB H.P.

(8) WATER LEVELS: Land-surface elevation above mean sea level .... ft.
Static level 0 ft. below top of well Date 4-8-88
Artesian pressure ... lbs. per square inch Date ...
Artesian water is controlled by ... (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☑ No ☐ If yes, by whom? Driller
Yield: 9 gal./min. with 210 ft. drawdown after 4 hrs.
" " " "
" " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test .....
Bailer test 10 gal./min. with 210 ft. drawdown after 24 hrs.
Artesian flow ... g.p.m. Date ...
Temperature of water ... Was a chemical analysis made? Yes ☐ No ☑

(10) WELL LOG:
Formation: *Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.*

MATERIAL	FROM	TO
CEMENTED GRAVEL - BROWN	0	22
CLAY WITH GRAVEL - BLUE	22	38
SAND + GRAVEL - BLUE	38	41
CLAY - BLUE	41	164
SAND + GRAVEL CLAY BROWN BLUE	164	169
CLAY - BLUE	169	177
SILTY BLUE LOOSE	177	180
CLAY - BLUE	180	256
HEAVING SILT BLUE GREY	256	282
CLAY WITH SILT LENSES - GREY	282	360
CLAY WITH GRAVEL - BLUE	360	380
SILT - GREY	380	420
CLAY - BLUE	420	455
SILT - GREY	455	495
CLAY - BLUE	495	523
WATER SAND + GRAVEL WITH SILT LENSES	523	526
CLAY - BLUE	526	

RECEIVED
APR 12 1988
DEPARTMENT OF ECOLOGY
WATER RESOURCES

Work started 1-19 19 88 Completed 4-8 19 88

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME McCOY DRILLING & WELL DEVELOPMENT CO. (Type or print)
(Person, firm, or corporation)
Address 9070 N.E. SPARLING LOOP RD. BAINBRIDGE IS., WA. 98110

[Signed] Ephraim McKinney (Well Driller)

License No. 1441 Date 4-8-88, 19 ...

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

WASHINGTON STATE DEPARTMENT OF ECOLOGY

UNIQUE WELL I.D. NUMBER AAA259
X Y Z 1 2 3

WELL TAGGING FORM

Date of Field Visit 5/22/92 By BA - PUD #1

RECORD VERIFICATION

☒ Well Report available *(please attach)*
☐ Well Report not available
☐ Verification inconclusive

WELL OWNERSHIP

Name Al Benz

Street address 15376 Broom St NE

City Bainbridge Is State WA 98110

LOCATION OF WELL

Well Address 15376 Broom St NE

City Bainbridge Is County Kitsap

T 26 N R 02E W.M Sec. 34G ¼ SW ¼ NE

GPS Location. Latitude 47 ° 42 ' 19N "

Longitude 122 ° 31 ' 86W "

Elevation 20 (feet)/meters *(circle one)*

☐ Digital Altimeter
☒ Topographic Map
☐ Other

PDOP 2.6
16 18 28
7 9 7

If unable to verify location with GPS equipment:

☐ Location marked on topographic map *(please attach if available)*

☐ Location marked on air photo *(please attach if available)*

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

WELL CHARACTERISTICS

Physical Description of Well (size of casing, type of well, housing, etc.): drilled well with 6" casing, artesian flow, in 'dog house' structure

Location of Well Identification Tag: on casing 8" from top

Was Supplemental Tag needed for ease of identifying well?

☒ NO ☐ YES

Scale 1.24,000 (1"=2,000')

D	C	B	A
E	F	G	H
M	L	K	J
N	P	Q	R

SECTION 34G

Indicate the location of the well within the Section by drawing a dot at that point.

COMMENTS: _____

FOR ECOLOGY USE ONLY

Water Right # _____ Date Issued _____

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

AAA 259

First Copy with Ecology
Owner's Copy
Driller's Copy

WATER WELL REPORT

STATE OF WASHINGTON

26/02-34G
Application No

Permit No

OWNER: Name AL BENZ Address 7005 FOREST ST., SEATTLE, 98134

LOCATION OF WELL. County KITSAP SW ¼ SW ¼ NE ¼ Sec 34 T 26 N. R 2E W M

Bearing and distance from section or subdivision corner

(3) PROPOSED USE: Domestic ☑ Industrial ☐ Municipal ☐ Irrigation ☐ Test Well ☐ Other ☐

(4) TYPE OF WORK: Owner's number of well (if more than one)
New well ☑ Method Dug ☐ Bored ☐
Deepened ☐ Cable ☑ Driven ☐
Reconditioned ☐ Rotary ☑ Jetted ☐

(5) DIMENSIONS: Diameter of well 6 inches
Drilled 526 ft Depth of completed well 526 ft.

(6) CONSTRUCTION DETAILS:
Casing installed: 6 Diam from 0 ft to 523 ft
Threaded ☐ ___" Diam from ___ ft to ___ ft
Welded ☑ ___" Diam from ___ ft to ___ ft

Perforations: Yes ☐ No ☑
Type of perforator used ___
SIZE of perforations ___ in by ___ in.
___ perforations from ___ ft to ___ ft
___ perforations from ___ ft to ___ ft
___ perforations from ___ ft to ___ ft

Screens: Yes ☑ No ☐ JOHNSON
Manufacturer's Name ___
Type STAINLESS Model No ___
Diam 5 Slot size 80 from 523 ft to 526 ft
Diam ___ Slot size ___ from ___ ft. to ___ ft.

Gravel packed: Yes ☐ No ☑ Size of gravel ___
Gravel placed from ___ ft to ___ ft

Surface seal: Yes ☑ No ☐ To what depth? 20 ft.
Material used in seal BENTONITE
Did any strata contain unusable water? Yes ☐ No ☑
Type of water? ___ Depth of strata ___
Method of sealing strata off ___

(7) PUMP: Manufacturer's Name Berkley 3/4
Type SUB H.P. ___

(8) WATER LEVELS: Land-surface elevation above mean sea level ___ ft
Static level 0 ft below top of well Date 4-8-88
Artesian pressure ___ lbs per square inch Date ___
Artesian water is controlled by ___ (Cap, valve, etc.)

(9) WELL TESTS Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☑ No ☐ If yes by whom? Driller
Yield 9 gal/min with 210 ft drawdown after 4 hrs
" "
" "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test
Baller test 10 gal/min with 210 ft drawdown after 24 hrs
Artesian flow ___ g.p.m Date ___
Temperature of water ___ Was a chemical analysis made? Yes ☐ No ☑

(10) WELL LOG:

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL	FROM	TO
CEMENTED GRAVEL - BROWN	0	22
CLAY WITH GRAVEL - BLUE	22	38
SAND + GRAVEL - BLACK	38	41
CLAY - BLUE	41	164
SAND + GRAVEL CLAY BOULDER BLACK	164	169
CLAY - BLUE	169	177
SILT BLUE LOOSE	177	180
CLAY - BLUE	180	256
HEAVING SILT BLUE GREY	256	282
CLAY WITH SILT LENSES - GREY	282	360
CLAY WITH GRAVEL - BLUE	360	380
SILT - GREY	380	420
CLAY - BLUE	420	455
SILT - GREY	455	495
CLAY - BLUE	495	523
WATER SAND + GRAVEL WITH SILT LENSES	523	526
CLAY - BLUE	526	

RECEIVED
APR 12 1988
DEPARTMENT OF ECOLOGY
WEST REG.

Work started 1-19 19 88 Completed 4-8 19 88

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief

NAME McCOY DRILLING & WELL DEVELOPMENT CO. (Person, firm, or corporation) (Type or print)
Address 9070 N.E. SPARLING LOOP RD. BAINBRIDGE IS., WA. 98110

[Signed] Ephraim McKinney (Well Driller)

License No 1441 Date 4-8-88, 19

(USE ADDITIONAL SHEETS IF NECESSARY)

KITSAP COUNTY PUD #1
PRIVATE WELL/CONSERVATION PROGRAM

LAB NO. 852

map 2/

ACCOUNT NO. _____ DIV. _____

CUSTOMER NAME (PLEASE PRINT) AL (FIRST) Benz (LAST)

ADDRESS WHERE SHOWERHEAD INSTALLED:

STREET 15376 Broom St NE UNIT # _____

CITY Bainbridge Is. STATE _____ ZIP 98110

CUSTOMER'S SIGNATURE no one home no devices left DATE 5/22/92 req. 05/20/1992

QUANTITY	BRAND	PROGRAM/DELIVERY METHOD
	Ondine Showerhead	(4) Business Office
	Kitchen Aerator	(1) Single Family
____	Bath Aerator	____ (4) Contractor Installed

PUD ACCT # 997 WELL ID # AAA259 LOCAL # 26N/02E-34G

ELEVATION 20' LATITUDE/LONGITUDE 47° 42.19N/122° 31.56W PDOP 2.6 16 19 28 9 9 7

DUG(D) ____ DRILLED(W) ____ SPRING(S) ____ n/t

ORIGINAL OWNER Benz DRILLER McCoy

YEAR DRILLED ~ 1990 WELL DEPTH ~ 550'

PHONE # 780-5606 TIME BEGAN 9:14 TIME COMPLETED 9'55

DESCRIPTION OF MEASURING PT. (MP) top of casing artesian - water at top of casing

HEIGHT OF MP (ABOVE)/BELOW LAND SURFACE 1.6 BacT P

DEPTH TO WATER ~~BELOW~~ at MP 0 (-1.6) at measuring point DEPTH TO WATER BELOW LS 1.6' above land surface

TEMPERATURE 55.5 SPECIFIC CONDUCTIVITY 334 ph 8.50

Nitrate mg/L 1.0 Fe mg/L 070 Mn mg/L 0.056

COLOR clear ODOR none APPEARANCE normal

SAMPLING POINT DESCRIPTION hose bib on side of well casing

REMARKS Mile post 6 — W. Port Madison, very end (after Broom ing County Park then Broom — end 5th driveway to left. (gravel) house on left sign out front; well on opposite corner small access road. will be home after 11 if need help locating us

SAMPLING PERSONNEL BA faucet lets water flow continuously out side of casing

DISPLACEMENT BAG INSTALLED ____ YES ____ (NO)

Conf. for 5/22

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT
STATE OF WASHINGTON

2/12 - 7 Application No.
Permit No. G1-20682P

(1) OWNER: Name City of Bremerton Address 239 4th St., Bremerton, Wash. 98310

(2) LOCATION OF WELL: County Kitsap — NW ¼ NW ¼ Sec. 24 T. 25 N., R. 1E W.M.
Bearing and distance from section or subdivision corner 700' E. & 100' N of the SW corner of the NW¼ NW¼

(3) PROPOSED USE: Domestic ☐ Industrial ☐ Municipal ☒
Irrigation ☐ Test Well ☐ Other ☐

(4) TYPE OF WORK: Owner's number of well (if more than one)
New well ☒ Method: Dug ☐ Bored ☐
Deepened ☐ Cable ☒ Driven ☐
Reconditioned ☐ Rotary ☐ Jetted ☐

(5) DIMENSIONS: Diameter of well 10 inches.
Drilled 524 ft. Depth of completed well 522 ft.

(6) CONSTRUCTION DETAILS:
Casing installed: 10 " Diam. from 0 ft. to 510 ft.
Threaded ☐ " Diam. from ft. to ft.
Welded ☒ " Diam. from ft. to ft.

Perforations: Yes ☐ No ☒
Type of perforator used
SIZE of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

Screens: Yes ☒ No ☐
Manufacturer's Name Johnson
Type Welded Stainless Steel Model No.
Diam. 10" Slot size 60 from 510 ft. to 522 ft.
Diam. Slot size from ft. to ft.

Gravel packed: Yes ☐ No ☒ Size of gravel:
Gravel placed from ft. to ft.

Surface seal: Yes ☐ No ☒ To what depth? ft.
Material used in seal
Did any strata contain unusable water? Yes ☐ No ☒
Type of water? Depth of strata
Method of sealing strata off

(7) PUMP: Manufacturer's Name Fairbanks Morse
Type: Gasoline Turbine H.P. 75

(8) WATER LEVELS: Land-surface elevation above mean sea level About 150 ft.
Static level 94 ft. below top of well Date 12/16/69
Artesian pressure 0 lbs. per square inch Date
Artesian water is controlled by (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☒ No ☐ If yes, by whom?
Yield: gal./min. with ft. drawdown after hrs.

" 380	" 22'	" 4	"
" 380	" 32'	" 8	"

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level
0	126	40	94		
16	103				
24	96				

Date of test 12/16/69
Bailer test gal./min. with ft. drawdown after hrs.
Artesian flow 0 g.p.m. Date
Temperature of water Was a chemical analysis made? Yes ☒ No ☐

(10) WELL LOG:
Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL	FROM	TO
Sandy Soil	0	16
Coarse Sand with rock	16	22
Brown Clay and sand	22	37
Blue Clay	37	140
Blue Clay and sand	140	159
Coarse Sand, water bearing	159	183
Fine Sand, water bearing	183	198
Clay & silt	198	200
Blue Clay	200	374
Sandy Clay	374	507
Sand and gravel	507	508
Coarse gravel	508	520
Sand, gravel & clay	520	522

Work started 7/15, 19 68 Completed 10/8, 19 68

WELL DRILLER'S STATEMENT:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME City of Bremerton (Person, firm, or corporation) (Type or print)
Address 239 4th St., Bremerton, Wash. 98310
[Signed] By Joy C. Morris (Well Driller)
License No. [illegible] Date 5-23, 19 73

G1-20682

(USE ADDITIONAL SHEETS IF NECESSARY)

S. F. No. 7356—OS—(Rev. 4-71).

FILE

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

File Original and First Copy with Department of Ecology
Second Copy—Owner's Copy
Third Copy—Driller's Copy

WATER WELL REPORT

STATE OF WASHINGTON

Start Card No. 035417

Water Right Permit No. _____

(1) OWNER: Name Bill Evans Address N.E. McDonald Rd. OI.

(2) LOCATION OF WELL: County Kitsap SE¼ SE¼ Sec 34 T. 25 N., R. 2E W.M.

(2a) STREET ADDDRESS OF WELL (or nearest address) _____

(3) PROPOSED USE: [X] Domestic [ ] Industrial [ ] Municipal [ ] Irrigation [ ] Test Well [ ] Other [ ] DeWater

(4) TYPE OF WORK: Owner's number of well (if more than one) _____
Abandoned [ ] New well [X] Method: Dug [ ] Bored [ ] Deepened [ ] Cable [X] Driven [ ] Reconditioned [ ] Rotary [ ] Jetted [ ]

(5) DIMENSIONS: Diameter of well 6 inches. Drilled 250 feet. Depth of completed well 250 ft.

(6) CONSTRUCTION DETAILS:
Casing installed: _____ " Diam. from _____ ft. to _____ ft.
Welded [X] 6 " Diam. from 0 ft. to 245 ft.
Liner installed [ ]
Threaded [ ] _____ " Diam. from _____ ft. to _____ ft.

Perforations: Yes [ ] No [X]
Type of perforator used _____
SIZE of perforations _____ in. by _____ in.
_____ perforations from _____ ft. to _____ ft.
_____ perforations from _____ ft. to _____ ft.
_____ perforations from _____ ft. to _____ ft.

Screens: Yes [X] No [ ] Manufacturer's Name Johnson
Type Stainless Model No. _____
Diam. _____ Slot size _____ from _____ ft. to _____ ft.
Diam. 6 Slot size 8 from 245 ft. to 250 ft.

Gravel packed: Yes [ ] No [X] Size of gravel _____
Gravel placed from _____ ft. to _____ ft.

Surface seal: Yes [X] No [ ] To what depth? 20 ft.
Material used in seal Bentonite
Did any strata contain unusable water? Yes [ ] No [X]
Type of water? _____ Depth of strata _____
Method of sealing strata off _____

(7) PUMP: Manufacturer's Name Star-Rite
Type: Lab H.P. 1½

(8) WATER LEVELS: Land-surface elevation above mean sea level 200 ft.
Static level 163 ft. below top of well Date 1-30-90
Artesian pressure _____ lbs. per square inch Date _____
Artesian water is controlled by _____ (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes [X] No [ ] If yes, by whom? Driller
Yield: _____ gal./min. with _____ ft. drawdown after _____ hrs.
" 13 " 40 " 4 "
Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

FEB 08 1990
DEPARTMENT OF ECOLOGY

Date of test _____
Bailer test 9 gal./min. with 30 ft. drawdown after 3 hrs.
Airtest _____ gal./min. with stem set at _____ ft. for _____ hrs.
Artesian flow _____ g.p.m. Date _____
Temperature of water _____ Was a chemical analysis made? Yes [ ] No [X]

(10) WELL LOG or ABANDONMENT PROCEDURE DESCRIPTION

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of information.

MATERIAL		FROM	TO
Top soil	Brown	0	4
Hard pan	"	4	12
Clay - Silty	"	12	42
Hard pan - Hard	"	42	65
Hard pan	"	65	75
Sand - Clayfound	"	75	95
Clay - Sticky	"	95	110
Sand - Clayfound	"	110	125
Hardpan - Hard	"	125	138
Sand - Clayfound	"	138	170
Sand	"	170	175
Clay - Sticky	"	175	215
Sand to Gravel - Cemented	"	215	227
Sand	"	227	228
Sand to Gravel - Cemented	"	228	231
Hardpan	"	231	243
Sand - Dusty	"	243	247
Sand - Loose	"	247	250

Work started Jan. 16, 19 Completed Jan. 30, 1990

WELL CONSTRUCTOR CERTIFICATION:
I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

NAME CRABTREE DRILLING Co (PERSON, FIRM, OR CORPORATION) (TYPE OR PRINT)
Address 33749 EGLON RD. NE KINGSTON
(Signed) Jerry Crabtree (WELL DRILLER) License No. 82
Contractor's Registration No. CRABTD 25502 Date Feb. 1, 1990

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20 (10/87) -1329

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT

STATE OF WASHINGTON

Start Card No. W093053

UNIQUE WELL I.D. #

Water Right Permit No. 25-2E-2K

(1) **OWNER:** Name BRACKENWOOD LANE WATER ASSOC. Address C/O P.O. BOX 133, ROLLINGBAY, WA 98061

(2) **LOCATION OF WELL:** County KITSAP NW 1/4 SE 1/4 Sec 2 T 25 N. R 2E W.M.

(2a) **STREET ADDRESS OF WELL** (or nearest address) LOT 16 BRACKENWOOD LANE

(3) **PROPOSED USE:** XX Domestic ☐ Irrigation ☐ DeWater Industriel ☐ Test Well ☐ Municipel ☐ Other ☐

(4) **TYPE OF WORK:** Owner's number of well (If more than one)

Abandoned ☐ New well XX Deepened ☐ Reconditioned ☐ Method: Dug ☐ Cable XX Rotary ☐ Bored ☐ Driven ☐ Jetted ☐

(5) **DIMENSIONS:** Diameter of well 6 inches. Drilled 490 feet. Depth of completed well 490 ft.

(6) **CONSTRUCTION DETAILS:**

Casing Installed: 8 " Diam. from 0 ft. to 490 ft.
Welded XX
Liner installed ☐
Threaded ☐
" Diam. from ft. to ft.
" Diam. from ft. to ft.

Perforations: Yes ☐ No XX
Type of perforator used
SIZE of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

Screens: Yes ☐ No XX
Manufacturer's Name
Type Model No.
Diam. Slot size from ft. to ft.
Diam. Slot size from ft. to ft.

Gravel packed: Yes ☐ No XX Size of gravel
Gravel placed from ft. to ft.

Surface seal: Yes XX No ☐ To what depth? 20 ft.
Material used in seal BENTONITE
Did any strata contain unusable water? Yes ☐ No XX
Type of water? Depth of strata
Method of sealing strata off

(7) **PUMP:** Manufacturer's Name NONE
Type: H.P.

(8) **WATER LEVELS:** Land-surface elevation above mean sea level ft.
Static level N/A ft. below top of well Date
Artesian pressure lbs. per square inch Date
Artesian water is controlled by (Cap, valve, etc.)

(9) **WELL TESTS:** Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☐ No XX If yes, by whom?
Yield: gal./min. with ft. drawdown after hrs.
" " " "
" " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test
Bailer test gal./min. with ft. drawdown after hrs.
Airtest gal./min. with stem set at ft. for hrs.
Artesian flow g.p.m. Date
Temperature of water Was a chemical analysis made? Yes ☐ No ☐

(10) **WELL LOG or ABANDONMENT PROCEDURE DESCRIPTION**

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of information.

MATERIAL	FROM	TO
BROWN TILL, OVERBURDEN	0	3
BROWN SILTY SAND & GRAVEL	3	8
GRAY CLAY	8	32
GRAY SANDY CLAY	32	125
GRAY SANDY CLAY, GRAVEL, WOOD	125	138
GRAY CLAY	138	255
GRAY SANDY CLAY	255	430
GRAY CLAY	430	463
GRAY SANDY SILT	463	466
GRAY CLAY	466	490
"To be deepened at a later date"		

RECEIVED
AUG 04 1997
Department of Ecology

Work Started 6/24/97 19. Completed 7/09/97 19

WELL CONSTRUCTOR CERTIFICATION:

I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

NAME GRESHAM WELL DRILLING, INC. (PERSON, FIRM, OR CORPORATION) (TYPE OR PRINT)

Address 3105 NW LAKENESS RD., POULSBO, WA 98370

(Signed) (WELL DRILLER) License No. 0761

Contractor's Registration No. GRESHWD055BC Date 7/21/97 19

(USE ADDITIONAL SHEETS IF NECESSARY)

Ecology is an Equal Opportunity and Affirmative Action employer. For special accommodation needs, contact the Water Resources Program at (206) 407-6600. The TDD number is (206) 407-6006.

ECY 050-1-20 (9/93)

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

File Original and First Copy with Department of Ecology

Second Copy- Owner's Copy
Third Copy- Driller's Copy

ENTERED

WATER WELL REPORT
STATE OF WASHINGTON

Start Card No. W07374
Unique Well ID # AAC606
Water Right Permit No. G1-26336

26/2E/33-B

(1) OWNER: Name BLOEDEL RESERVE Address 7571 NE Dolphin Drive, B.I. WA

(2) LOCATION OF WELL: County KITSAP - NW ¼ NE ¼ Sec 33 T 26 N., R 2 E W.M.
(2a) STREET ADDRESS OF WELL (or nearest address) 1800 ft W. and 1200 ft S. of NE corner of Sec. 33

(3) PROPOSED USE: ■ Domestic ☐ Industrial ☐ Municipal ■ Irrigation ☐ Test Well ☐ Other ☐ DeWater

(4) TYPE OF WORK: Owner's number of well (if more than one) Orchard Well
☐ Abandoned ☐ New well Method: ☐ Dug ☐ Bored ■ Deepened ☐ Cable ☐ Driven ☐ Reconditioned ■ Rotary ☐ Jetted

(5) DIMENSIONS: Diameter of well 8x6 inches
Drilled 863 feet. Depth of completed well 1233 ft.

(6) CONSTRUCTION DETAILS: Note: 8" installed 1/66
Casing installed: 8 " Diam. from +1 ft. to 360 ft.
■ Welded 6 " Diam. from +2.5 ft. to 1210 ft.
☐ Liner installed 6 " Diam. from 1230 ft. to 1250 ft.
☐ Threaded

Perforations: ☐ Yes ■ No
Type of perforator used
Size of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

Screens: ■ Yes ☐ No
Manufacturer's Name Johnson Screens
Type Stainless Model No.
Diam. 6PS Slot size 30 From 1210 ft. to 1230 ft.
Diam. Slot size from ft. to ft.
Diam. Slot size from ft. to ft.

Gravel packed: ☐ Yes ■ No Size of gravel
Gravel placed from ft. to ft.

Surface Seal: ☐ Yes ☐ No To what depth? UNCHANGED ft.
Material used in seal
Did any strata contain unusable water? ☐ Yes ■ No
Type of water? Depth of strata
Method of sealing strata off

(7) PUMP: Manufacturer's Name N/A
Type H.P.

(8) WATER LEVELS: Land-surface elevation above mean sea level 180 ALT. ft
Static level 155.2 ft. below top of well Date 6/28/95
Artesian pressure lbs. per square inch Date
Artesian water is controlled by (cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water is lowered below static level
Was a pump test made? ■ Yes ☐ No If yes, by whom? S.E./R&N
Yield: 12 gal./min. with 2.4 ft. drawdown after 4 hrs.
T= 47,300 gpd/ft
Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of Test 6/28/95
Bailer test gal./min. with ft. drawdown after hrs.
Airlift gal./min. with stem at ft. for hrs.
Artesian flow g.p.m. Date
Temperature of water 59 Was a chemical analysis made? ■ Yes ☐ No

(10) WELL LOG or ABANDONMENT PROCEDURE DESCRIPTION

Formations: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of information.

MATERIAL	FROM	TO
Previously drilled 8-inch well, January 1966– log attached	0	400
Mud-rotory well, June 1995– geologic log attached	400	1263

RECEIVED
JUL 31 1995
DEPT OF ECOLOGY

Prepared by:
ROBINSON & NOBLE, INC.
Joel W. Purdy

Work started May 16, 1995. Completed June 28, 1995

WELL CONSTRUCTOR CERTIFICATION:

I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

NAME SCHNEIDER EQUIPMENT, INC.
(PERSON, FIRM, OR CORPORATION) (TYPE OR PRINT)
Address 21881 River Rd NE St. Paul OR 97137
(Signed) (WELL DRILLER) License No. 0643
Contractor's Registration No. SCHNEI*226LG Date 7-22, 1995

SEI 9516

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

Geologic log of the
Bloedel Reserve Orchard Well

MATERIAL	FROM	TO
Gray clay	400'	408'
Gray hard clay	408'	411'
Gray clay	411'	457'
Gray sticky clay	457'	487'
Gray clay	487'	525'
Gray clay with occasional lense of cemented sand	525'	539'
Gray fine sandy clay	539'	555'
Gray sticky clay with sand	555'	640'
Gray slightly silty sandy clay	650'	705'
Gray-green medium to coarse sand with cemented small gravels	705'	719'
Gray Clay	719'	730'
Gray fine to medium sand	730'	733'
Clay with lenses of sand	733'	802'
Gray fine to medium sand, abundant wood with some clay layers	802'	822'
Gray-green medium sand with gravel	822'	836'
Gray-green gravel and sand	836'	860'
Gray slightly sandy clay, some brittle clay (large gravel at 875.5)	860'	984'
Gray clay with gravel and sand layers, some wood	984'	1002'
Gray gravel and sand	1002'	1007'
Gray sandy clay	1007'	1029'
Gray clay	1029'	1064'
Gray gravelly clay	1064'	1069'
Gray soft clay	1069'	1126'
Gray gravelly clay with wood	1126'	1131'
Gray clay with sand lenses	1131'	1147'
Gray fine to coarse sand, some gravel	1147'	1186'
Gray sand and gravel with wood	1186'	1193'
Gray gravel and sand	1193'	1200'
Gray large gravel and sand	1200'	1231'
Gray sand and gravel	1231'	1243'
Gray soft clay	1243'	1253'
Sand and gravel with layers of clay	1253'	1263'

NICHOLSON DRILLING CO.

PHONE [redacted] BOX 1127 PORT ORCHARD, WASHINGTON

Jan 1966

I ft. of top soil

to 30 ft. brown sand little clay & rock in it

30 ft. to 52 ft. small water strata

52 ft. to 60 ft. brown sand with blue clay in it

60 ft. to 70 ft. blue clay, blue sand very little brown clay

70 ft. to 80 ft. blue clay & sand

80 ft. to 90 ft. blue clay & sand

90 ft. to 100 ft. blue clay

100 ft. to 140 ft. blue clay

140 ft. to 180 ft. blue clay

180 ft. to 183 ft. blue clay fine sand & gas

183 ft. to 250 ft. blue clay

250 ft. to 270 ft. clay & fine sand with water

270 ft. to 300 ft. blue clay

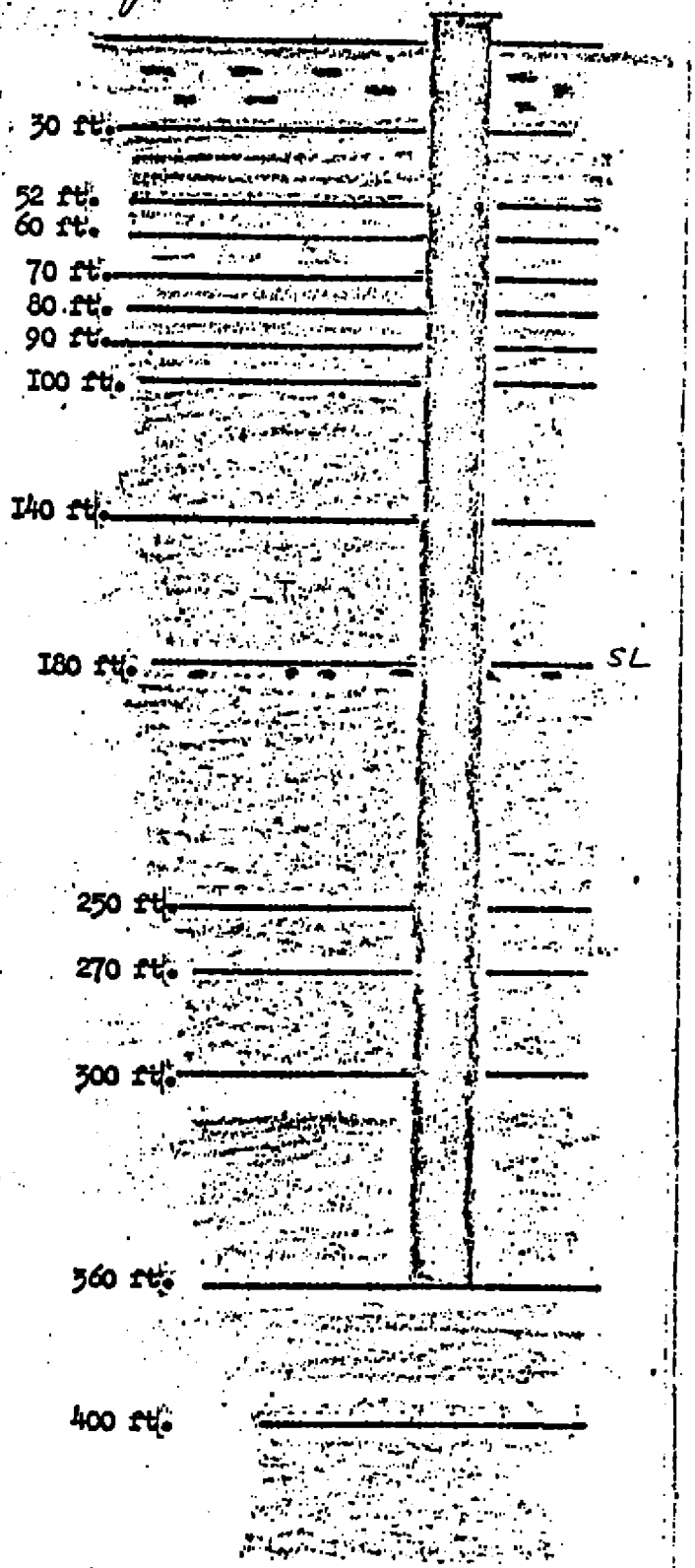
300 ft. to 395 ft. blue clay & sand

395 to 400 ft. blue clay

8"?

7/15/97
SOC

→ Bucks Canal!
Nice Lad.



Pumps and Pressure Water Systems + Pipe and Supplies

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT
STATE OF WASHINGTON

24/02-04A
Application No. G1-23428
Permit No. G1-23428P

(1) OWNER: Name BLOSSOM CONST. INC. Address LYNWOOD CENTER RD. BAINBRIDGE

(2) LOCATION OF WELL: County KITSAP — NE¼ NE¼ Sec 4 T 24 N., R 2E W.M.

Bearing and distance from section or subdivision corner

(3) PROPOSED USE: Domestic ☐ Industrial ☐ Municipal ☐ Irrigation ☐ Test Well ☐ Other ☐

(4) TYPE OF WORK: Owner's number of well (if more than one)
New well ☒ Method: Dug ☐ Bored ☐
Deepened ☐ Cable ☒ Driven ☐
Reconditioned ☐ Rotary ☐ Jetted ☐

(5) DIMENSIONS: Diameter of well 6 inches.
Drilled 105 ft. Depth of completed well 105 ft.

(6) CONSTRUCTION DETAILS:
Casing installed: 6" Diam. from 0 ft. to 96 ft.
Threaded ☐ " Diam. from ft. to ft.
Welded ☒ " Diam. from ft. to ft.

Perforations: Yes ☐ No ☒
Type of perforator used
SIZE of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

Screens: Yes ☒ No ☐
Manufacturer's Name JOHNSON
Type SS TELESCOPING Model No.
Diam. 6" Slot size 12 from 96 ft. to 105 ft.
Diam. Slot size from ft. to ft.

Gravel packed: Yes ☐ No ☒ Size of gravel:
Gravel placed from ft. to ft.

Surface seal: Yes ☒ No ☐ To what depth? 18 ft.
Material used in seal SODIUM BENTONITE
Did any strata contain unusable water? Yes ☐ No ☒
Type of water? Depth of strata
Method of sealing strata off

(7) PUMP: Manufacturer's Name FLINT & WALLING
Type: 4" SUBMERSIBLE H.P. 3

(8) WATER LEVELS: Land-surface elevation above mean sea level 30 ft.
Static level 23 ft. below top of well Date 3/14/79
Artesian pressure — lbs. per square inch Date —
Artesian water is controlled by (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☒ No ☐ If yes, by whom? BACH
Yield: 32 gal./min. with 61 ft. drawdown after 1 hrs.
" 42 " 74 " 3 "
" " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level
0	95'	+8	30'		
+3 MIN	65'	+19	21' SAFE		
+5	40'				

Date of test 3/20/79
Bailer test 40 gal./min. with 32 ft. drawdown after 3 hrs.
Artesian flow — g.p.m. Date
Temperature of water — Was a chemical analysis made? Yes ☐ No ☒

(10) WELL LOG:
Formation: *Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.*

MATERIAL	FROM	TO
CLAY BROWN	0	15
CLAY BLUE	15	40
HARDPAN	40	50
SAND AND GRAVEL	50	95
SAND	95	105

Work started 3/6, 19 79 Completed 3/14, 19 79

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME BACH DRILLING INC.
(Person, firm, or corporation) (Type or print)
Address BOX 10452 - BAINBRIDGE ISL.
[Signed] George Swancid
(Well Driller)
License No. 599 Date 3/16, 19 79

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

File Original and First Copy with Department of Ecology
Second Copy—Owner's Copy
Third Copy—Driller's Copy

WATER WELL REPORT

STATE OF WASHINGTON

Start Card No 074835
Unique I.D.# AAA432
Water Right Permit No 25/2/1361C

(1) OWNER: Name Bob Mennucci Address Rose Loop Rd. Bainbridge Is1, Wa

(2) LOCATION OF WELL: County Kitsap NE ¼ NE ¼ Sec 34 T 25 N, R 2E WM.

(2a) STREET ADDDRESS OF WELL (or nearest address)

(3) PROPOSED USE: [X] Domestic [ ] Irrigation [ ] DeWater [ ] Industrial [ ] Test Well [ ] Municipal [ ] Other

(4) TYPE OF WORK: Owner's number of well (if more then one)
Abandoned [ ] New well [X] Deepened [ ] Reconditioned [ ] Method: Dug [ ] Cable [X] Rotary [ ] Bored [ ] Driven [ ] Jetted [ ]

(5) DIMENSIONS: Diameter of well 6 inches.
Drilled 340 feet. Depth of completed well 340 ft.

(6) CONSTRUCTION DETAILS:
Casing installed: 6" Diam. from 0 ft to 340 ft.
Welded [X]
Liner installed [ ]
Threaded [ ]
" Diam. from ft. to ft
" Diam from ft. to ft

Perforations: Yes [ ] No [X]
Type of perforator used
SIZE of perforations in by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft to ft.

Screens: Yes [X] No [ ]
Manufacturer's Name Johnson
Type Stainless Steel Model No
Diam 6" Slot size #14 from 329'6" ft. to 339'6" ft
Diam. Slot size from ft. to ft

Gravel packed: Yes [ ] No [X] Size of gravel
Gravel placed from ft to ft.

Surface seal: Yes [X] No [ ] To what depth? 22 ft.
Material used in seal Bentonite
Did any strata contain unusable water? Yes [ ] No [ ]
Type of water? Depth of strata
Method of sealing strata off

(7) PUMP: Manufacturer's Name Flint & Walling
Type Submersible HP 1

(8) WATER LEVELS: Land-surface elevation above mean sea level ft
Static level 22' 8" ft below top of well Date 6-12-92
Artesian pressure lbs. per square inch Date
Artesian water is controlled by (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes [X] No [ ] If yes, by whom? Driller
Yield 15 gal./min with 27' 4" ft drawdown after 4 hrs.

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test
Bailer test gal./min with ft drawdown after hrs.
Artesian gal./min with stem set at ft for hrs
Artesian flow g.p.m. Date
Temperature of water Was a chemical analysis made? Yes [ ] No [ ]

(10) WELL LOG or ABANDONMENT PROCEDURE DESCRIPTION

Formation. Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of information.

MATERIAL	FROM	TO
Top Soil	0	3
Soft Brn. Till	3	22
gray Till	22	24
Brown Cemented Sand & Gravel	24	27
Brn. Till - Some water	27	28
" "	28	35
gray Till	35	36
gray Silty clay w/Sand & Gravel	36	78
" " Less Sandy	78	88
Silty dark gray clay	88	243
Clay, Some gravel & Water No formation	243	278
Silty dark gray clay	278	293
Hard gray clay	293	302
Sandy gray clay - Silty	302	309
Very Tight	309	318
Dark gray Sandy clay	318	329
Clay Silt	329	334
Sand, gravel & water	334	335
Dirty clay chunks	335	336
Sand, gravel & Water	336	339'6"

RECEIVED
JUN 01 1992
DEPT. OF ECOLOGY

Work started April 19 92 Completed May 19 92

WELL CONSTRUCTOR CERTIFICATION:

I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief

NAME Burt Well Drilling, Inc. (PERSON, FIRM, OR CORPORATION) (TYPE OR PRINT)

Address 19782 N.E. Lincoln Rd. Poulsbo

(Signed) George Burt (WELL DRILLER) License No. 0048

Contractor's Registration No BURTWI*227BU Date May 29, 1992

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20 (Rev. 6/87) 1329

The Department of Ecology does NOT Warrant the Data and/or the Information on this Well Report.

26/02-33P

Application No. .....

Permit No. .....

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT

STATE OF WASHINGTON

(1) OWNER: Name Bob Hess Address 1468 Kamedal Rd NE. Bainbridge Is. 98110

(2) LOCATION OF WELL: County Kitsap NW¼ SE¼ SW¼ Sec. 33 T. 26 N., R. 2 E. W.M.

Bearing and distance from section or subdivision corner

(3) PROPOSED USE: Domestic ☑ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

(4) TYPE OF WORK: Owner's number of well (if more than one) .....
New well ☑ Method: Dug ☐ Bored ☐
Deepened ☐ Cable ☑ Driven ☐
Reconditioned ☐ Rotary ☐ Jetted ☐

(5) DIMENSIONS: Diameter of well 6 inches.
Drilled 162 ft. Depth of completed well 162 ft.

(6) CONSTRUCTION DETAILS:
Casing installed: 6 " Diam. from 0 ft. to 162 ft.
Threaded ☐ " Diam. from ft. to ft.
Welded ☑ " Diam. from ft. to ft.

Perforations: Yes ☐ No ☑
Type of perforator used .....
SIZE of perforations ..... in. by ..... in.
..... perforations from ..... ft. to ..... ft.
..... perforations from ..... ft. to ..... ft.
..... perforations from ..... ft. to ..... ft.

Screens: Yes ☑ No ☐
Manufacturer's Name Johnson
Type Stainless Model No. 49
Diam. 6" Slot size 10 from 159 ft. to 162 ft.
Diam. ..... Slot size ..... from ..... ft. to ..... ft.

Gravel packed: Yes ☐ No ☑ Size of gravel: .....
Gravel placed from ..... ft. to ..... ft.

Surface seal: Yes ☑ No ☐ To what depth? 18 ft.
Material used in seal Bentonite
Did any strata contain unusable water? Yes ☐ No ☑
Type of water? ..... Depth of strata .....
Method of sealing strata off .....

(7) PUMP: Manufacturer's Name Weltol
Type: Sub ½ H.P. 3/4

(8) WATER LEVELS: Land-surface elevation above mean sea level .... ft.
Static level 139 ft. below top of well Date 8-8-79
Artesian pressure ..... lbs. per square inch Date .....
Artesian water is controlled by ..... (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☑ No ☐ If yes, by whom? Driller
Yield: 5 gal./min. with 18 ft. drawdown after 4 hrs.
" " " "
" " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test 8-8-79
Baller test 5 gal./min. with 18 ft. drawdown after 3 hrs.
Artesian flow ..... g.p.m. Date 8-7-79
Temperature of water ..... Was a chemical analysis made? Yes ☐ No ☑

(10) WELL LOG:

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL	FROM	TO
Top Soil	0	4
Hard Pan (Brown)	4	11
Hard Pan (Gray)	11	32
Blue Clay (Silty)	32	47
Blue Clay	47	49
Hard Pan (Green)	49	80
Blue Clay	80	94
Blue Clay (Silty)	94	159
Sand, Gravel, Water	159	162
Blue Clay	162	

Work started 7-31, 19 79 Completed 8-8, 19 79

RECEIVED
AUG 1979
DEPT OF ECOLOGY

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME McCoy Drilling (Person, firm, or corporation) (Type or print)

Address 2401 S Baxview St. Seattle, Wa 98144

[Signed] Merl L. Roberts (Well Driller)

License No. 1053 Date 8-9, 19 79

(USE ADDITIONAL SHEETS IF NECESSARY)

S. F. No. 7356—OS—(Rev. 4-71).

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT 24/02/04DN

STATE OF WASHINGTON

Application No. .....

Permit No. .....

24/2/4/~~DD~~ N

(1) OWNER: Name Bill Norris Address Rt. 1 Box 7853 Bainbridge Island

(2) LOCATION OF WELL: County Kitsap SW ¼ SW ¼ Sec. 4 T. 24 N., R. 2 E W.M.

Bearing and distance from section or subdivision corner Tract 3

(3) PROPOSED USE: Domestic [X] Industrial [ ] Municipal [ ]
Irrigation [ ] Test Well [ ] Other [ ]

(4) TYPE OF WORK: Owner's number of well (if more than one) ....
New well [X] Method: Dug [ ] Bored [ ]
Deepened [ ] Cable [X] Driven [ ]
Reconditioned [ ] Rotary [ ] Jetted [ ]

(5) DIMENSIONS: Diameter of well 6 inches.
Drilled 106 ft. Depth of completed well 106 ft.

(6) CONSTRUCTION DETAILS:
Casing installed: 6 " Diam. from 0 ft. to 101 ft.
Threaded [ ] " Diam. from ... ft. to ... ft.
Welded [X] " Diam. from ... ft. to ... ft.

Perforations: Yes [ ] No [X]
Type of perforator used ...
SIZE of perforations ... in. by ... in.
... perforations from ... ft. to ... ft.
... perforations from ... ft. to ... ft.
... perforations from ... ft. to ... ft.

Screens: Yes [X] No [ ]
Manufacturer's Name Johnson
Type Stainless Model No. ...
Diam. 6 Slot size 18 from 101 ft. to 106 ft.
Diam. ... Slot size ... from ... ft. to ... ft.

Gravel packed: Yes [ ] No [X] Size of gravel: ...
Gravel placed from ... ft. to ... ft.

Surface seal: Yes [X] No [ ] To what depth? 20 ft.
Material used in seal cement grout
Did any strata contain unusable water? Yes [ ] No [X]
Type of water? ... Depth of strata ...
Method of sealing strata off ...

(7) PUMP: Manufacturer's Name Sta-Rite
Type: cent. H.P. ¾

(8) WATER LEVELS: Land-surface elevation above mean sea level .... 100 ft.
Static level 92 ft. below top of well Date Aug. 2, 1976
Artesian pressure ... lbs. per square inch Date ...
Artesian water is controlled by ... (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes [X] No [ ] If yes, by whom? Driller
Yield: 15 gal./min. with 5 ft. drawdown after 3 hrs.
" " " " " "
" " " " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test ...
Bailer test 12 gal./min. with 4 ft. drawdown after 3 hrs.
Artesian flow ... g.p.m. Date ...
Temperature of water ... Was a chemical analysis made? Yes [ ] No [X]

(10) WELL LOG:
Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL	FROM	TO
Top soil	0	2
yellow hard pan	2	41
Dry hard pan	41	101
hard gravel	101	102
dry hard pan	102	106

Work started July 23, 1976 Completed Aug. 3, 1976

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME CRABTREE DRILLING CO
(Person, firm, or corporation) (Type or print)

Address Rt. 2 Box 301 Kingston

[Signed] Jerry Crabtree
(Well Driller)

License No. 223-02 Date Aug. 5, 1976

(USE ADDITIONAL SHEETS IF NECESSARY)

B. F. No. 7356—OS—(Rev. 4-71).

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

t of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

RECEIVED
AUG 24 1976
DEPT. OF ECOLOGY
REGIONAL OFFICE
REDMOND, WA. 98052

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

25-2E-15B

179549

WATER WELL REPORT

Original & 1st copy – Ecology, 2nd copy – owner, 3rd copy – driller

Construction/Decommission *("x" in circle)*

- [x] Construction
- [ ] Decommission *ORIGINAL INSTALLATION Notice of Intent Number* _____

CURRENT
Notice of Intent No. W178613

Unique Ecology Well ID Tag No. AKR127

Water Right Permit No. N/A

Property Owner Name BRIAN T. OLIVE

Well Street Address 8795 NE KOURA ROAD

City BAINBRIDGE ISLAND County KITSAP

Location NW1/4-1/4 NE 1/4 Sec 15 Twn 25 R 2E EWM or WWM [x] circle one

Lat/Long (s, t, r Still **REQUIRED**) Lat Deg _____ Lat Min/Sec _____ Long Deg _____ Long Min/Sec _____

Tax Parcel No. 152502-1-012-2002

PROPOSED USE: [x] Domestic [ ] Industrial [ ] Municipal [ ] DeWater [ ] Irrigation [ ] Test Well [ ] Other _____

TYPE OF WORK: Owner's number of well (if more than one) _____
[x] New well [ ] Reconditioned [ ] Deepened *Method:* [ ] Dug [ ] Bored [ ] Driven [x] Cable [ ] Rotary [ ] Jetted

DIMENSIONS: Diameter of well 6 inches, drilled 192 ft.
Depth of completed well 192 ft.

CONSTRUCTION DETAILS
Casing Installed: [x] Welded 6 " Diam. from +1 ft. to 187.1 ft.
[ ] Liner installed _____ " Diam. from _____ ft. to _____ ft.
[ ] Threaded _____ " Diam. from _____ ft. to _____ ft.

Perforations: [ ] Yes [x] No
Type of perforator used _____
SIZE of perfs _____ in. by _____ in. and no. of perfs _____ from _____ ft. to _____ ft.

Screens: [x] Yes [ ] No [x] K-Pac Location TOP
Manufacturer's Name WESCO
Type STAINLESS STEEL Model No. TELESCOPING
Diam. 5 Slot size 20 from 187 ft. to 192 ft.
Diam. _____ Slot size _____ from _____ ft. to _____ ft.

Gravel/Filter packed: [ ] Yes [x] No [ ] Size of gravel/sand _____
Materials placed from _____ ft. to _____ ft.

Surface Seal: [x] Yes [ ] No To what depth? 18 ft.
Material used in seal BENTONITE
Did any strata contain unusable water? [ ] Yes [x] No
Type of water? _____ Depth of strata _____
Method of sealing strata off _____

PUMP: Manufacturer's Name GOULDS
Type: SUBMERSIBLE 10LS10 H.P. 1

WATER LEVELS: Land-surface elevation above mean sea level _____ ft.
Static level 24.9 ft. below top of well Date 8/03/05
Artesian pressure _____ lbs. per square inch Date _____
Artesian water is controlled by _____ (cap, valve, etc.)

WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? [x] Yes [ ] No If yes, by whom? GRESHAM
Yield: 18 gal./min. with 16.4 ft. drawdown after 8/03/05 hrs.
Yield: _____ gal./min. with _____ ft. drawdown after _____ hrs.
Yield: _____ gal./min. with _____ ft. drawdown after _____ hrs.
Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level
FUL	RECOV	4	MIN.		

Date of test 8/03/05
Bailer test 22 gal./min. with 22 ft. drawdown after 1 hrs.
Airtest _____ gal./min. with stem set at _____ ft. for _____ hrs.
Artesian flow _____ g.p.m. Date _____
Temperature of water _____ Was a chemical analysis made? [x] Yes [ ] No

CONSTRUCTION OR DECOMMISSION PROCEDURE

Formation: Describe by color, character, size of material and structure, and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of information. (USE ADDITIONAL SHEETS IF NECESSARY.)

MATERIAL	FROM	TO
BROWN GRAVELLY HARDPAN	0	43
BROWN SILTY SAND & GRAVEL	43	56
GRAY GRAVELLY CLAY	56	61
GRAY SILTY SAND & GRAVEL	61	67
GRAY GRAVELLY CLAY	67	135
GRAY SANDY CLAY, GRAVEL	135	156
GRAY GRAVELLY HARDPAN	156	187
GRAY SAND & GRAVEL, H20	187	192

RECEIVED
AUG 30 2005
DEPT OF ECOLOGY

Start Date 7/20/05 Completed Date 7/26/05

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

[x] Driller [ ] Engineer [ ] Trainee Name (Print) CRAIG A. GRESHAM
Driller/Engineer/Trainee Signature _____
Driller or trainee License No. 0761

Drilling Company GRESHAM WELL DRILLING INC
Address P.O. BOX 1600
City, State, Zip POULSBO, WA 98370-0195
Contractor's Registration No. GRESHWD055BC Date 8/04/05

If TRAINEE,
Driller's Licensed No. _____
Driller's Signature _____

Ecology is an Equal Opportunity Employer.

ECY 050-1-20 (Rev 3/05) **The Department of Ecology does NOT warranty the Data and/or Information on this Well Report.**

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

ENTERED

26-2E-34 H

WATER WELL REPORT

STATE OF WASHINGTON

Start Card No. W061620
Unique Well I.D. #
Water Right Permit No.

(1) OWNER: Name PETERSON, BRIAN Address 20701 CHIEF SEALTH DR. NE INDIANOLA, WA 98342-

(2) LOCATION OF WELL: County KITSAP - SE 1/4 NE 1/4 Sec 34 T 26 N., R 2E WM
(2a) STREET ADDRESS OF WELL (or nearest address) EUCLID AVENUE, BAINBRIDGE ISL

(3) PROPOSED USE: DOMESTIC

(4) TYPE OF WORK: Owner's Number of well (If more than one)
DEEPENED Method: ROTARY

(5) DIMENSIONS: Diameter of well 6 inches
Drilled 580 ft. Depth of completed well 580 ft.

(6) CONSTRUCTION DETAILS:
Casing installed: 6 " Dia. from 430 ft. to 580 ft.
WELDED " Dia. from ft. to ft.
" Dia. from ft. to ft.

Perforations: NO
Type of perforator used
SIZE of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

Screens: YES 15' 4-slot screen
Manufacturer's Name
Type STAINLESS STEEL Model No.
Dian. slot size from ft. to ft.
Dian. slot size from ft. to ft.

Gravel packed: NO Size of gravel
Gravel placed from ft. to ft.

Surface seal: NO To what depth? ft.
Material used in seal
Did any strata contain unusable water? NO
Type of water? Depth of strata ft.
Method of sealing strata off

(7) PUMP: Manufacturer's Name
Type N/A H.P.

(8) WATER LEVELS: Land-surface elevation above mean sea level ... ft.
Static level 56' ft. below top of well Date 11/26/96
Artesian Pressure lbs. per square inch Date
Artesian water controlled by N/A

(10) WELL LOG

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change in formation.

MATERIAL	FROM	TO
MUD & WOOD CHIPS	430	457
GRAY SILT W/	457	505
SAND LENSES W/WOOD CHIPS	457	505
GRAY CLAY STICKY	505	537
GRAY SILT	537	540
GRAY SAND W/WOOD CHIPS	540	560
MEDIUM TO FINE	540	560
GRAY CLAY	560	580

RECEIVED
JAN 16 1997
Department of Ecology

Work started 10/24/96 Completed 11/13/96

(9) WELL TESTS: Drawdown is amount water level is lowered below static level.
Was a pump test made? YES If yes, by whom? LEON BRESLEY
Yield: 15 gal./min with 182.5 ft. drawdown after .5 hrs.
15 182.5 1
15 182.5 1.5

Recovery data

Time	Water Level	Time	Water Level	Time	Water Level
1	173	2	164	3	157
4	150	5	143	6	137
7	132	8	127	9	122

Date of test 11/26/96
Bailer test gal/min. ft. drawdown after hrs.
Air test gal/min. w/ stem set at ft. for hrs.
Artesian flow g.p.m. Date
Temperature of water Was a chemical analysis made? NO

WELL CONSTRUCTOR CERTIFICATION:
I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

NAME OELKE DRILLING, INC.
(Person, firm, or corporation) (Type or print)

ADDRESS 4312-160 AVE E. SUMNER, WA

[SIGNED] Roger Oelke License No. 379 R. OELKE

Contractor's
Registration No. OELKEDI 136QC Date 12/11/96

25/02-20L

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy - Driller's Copy

WATER WELL REPORT

STATE OF WASHINGTON

Application No.

Permit No.

(1) OWNER: Name Mr. Bob Quinn Address 15628 Pt. Monroe Dr. B.I.

(2) LOCATION OF WELL: County Kitsap — NE ¼ SW ¼ Sec 20 T 25 N. R 02E W.M.

Bearing and distance from section or subdivision corner

(3) PROPOSED USE: Domestic [X] Industrial [ ] Municipal [ ]
Irrigation [ ] Test Well [ ] Other [ ]

(4) TYPE OF WORK: Owner's number of well (if more than one)
New well [X] Method: Dug [ ] Bored [ ]
Deepened [ ] Cable [X] Driven [ ]
Reconditioned [ ] Rotary [ ] Jetted [ ]

(5) DIMENSIONS: Diameter of well 6 inches.
Drilled 74 ft. Depth of completed well 74 ft.

(6) CONSTRUCTION DETAILS:

Casing installed: 6 " Diam. from 0 ft. to 70 ft.
Threaded [ ] " Diam. from ft. to ft.
Welded [X] " Diam. from ft. to ft.

Perforations: Yes [ ] No [X]
Type of perforator used
SIZE of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

Screens: Yes [X] No [ ]
Manufacturer's Name Johnson
Type SS Telescoping Model No. Super
Diam. 6 Slot size .012 from 70 ft. to 74 ft.
Diam. Slot size from ft. to ft.

Gravel packed: Yes [ ] No [X] Size of gravel:
Gravel placed from ft. to ft.

Surface seal: Yes [X] No [ ] To what depth? 18 ft.
Material used in seal Sodium Bentonite
Did any strata contain unusable water? Yes [ ] No [X]
Type of water? Depth of strata
Method of sealing strata off

(7) PUMP: Manufacturer's Name Jacuzzi
Type: 4" Submersible H.P. 3/4

(8) WATER LEVELS: Land-surface elevation above mean sea level 25 ft.
Static level 60 ft. below top of well Date 7/24/79
Artesian pressure lbs. per square inch Date
Artesian water is controlled by (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes [X] No [ ] If yes, by whom? Bach
Yield: 5 gal./min. with 2 ft. drawdown after 1 hrs.
" 10 " 3 " 2 "
" 15 " 5 " 3.5 "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test 7/24/79
Baller test 12 gal./min. with 4 ft. drawdown after 2 hrs.
Artesian flow g.p.m. Date
Temperature of water Was a chemical analysis made? Yes [ ] No [X]

(10) WELL LOG:

Formation: *Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.*

MATERIAL	FROM	TO
Top-soil	0	1
Clay-sandy-brown	1	18
Hardpan	18	44
Sand (some water)	44	48
Hardpan	48	50
Clay-sandy,gray	50	52
Hardpan	52	68
Sand-coarse-water bearing	68	74

Work started 7/16, 19 79 Completed 7/24, 19 79

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME Bach Drilling Inc.
(Person, firm, or corporation) (Type or print)

Address P.O. Box 10452 Bainbridge Isl.

[Signed] (Well Driller)

License No. 599 Date 7/26, 19 79

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT

STATE OF WASHINGTON

Start Card No. W093053

UNIQUE WELL I.D. #

Water Right Permit No. 25-2E-2K

(1) **OWNER:** Name BRACKENWOOD LANE WATER ASSOC. Address C/O P.O. BOX 133, ROLLINGBAY, WA 98061

(2) **LOCATION OF WELL:** County KITSAP NW 1/4 SE 1/4 Sec 2 T 25 N. R 2E W.M.

(2a) **STREET ADDRESS OF WELL** (or nearest address) LOT 16 BRACKENWOOD LANE

(3) **PROPOSED USE:** XX Domestic ☐ Irrigation ☐ DeWater Industriel ☐ Test Well ☐ Municipel ☐ Other ☐

(4) **TYPE OF WORK:** Owner's number of well (If more than one)

Abandoned ☐ New well XX Deepened ☐ Reconditioned ☐ Method: Dug ☐ Cable XX Rotary ☐ Bored ☐ Driven ☐ Jetted ☐

(5) **DIMENSIONS:** Diameter of well 6 inches. Drilled 490 feet. Depth of completed well 490 ft.

(6) **CONSTRUCTION DETAILS:**

Casing Installed: 8 " Diam. from 0 ft. to 490 ft.
Welded XX
Liner installed ☐
Threaded ☐
" Diam. from ft. to ft.
" Diam. from ft. to ft.

Perforations: Yes ☐ No XX
Type of perforator used
SIZE of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

Screens: Yes ☐ No XX
Manufecturer's Name
Type Model No.
Diam. Slot size from ft. to ft.
Diam. Slot size from ft. to ft.

Gravel packed: Yes ☐ No XX Size of gravel
Gravel placed from ft. to ft.

Surface seal: Yes XX No ☐ To what depth? 20 ft.
Material used in seal BENTONITE
Did eny strata contain unusable water? Yes ☐ No XX
Type of water? Depth of strata
Method of seeling strata off

(7) **PUMP:** Manufacturer's Name NONE
Type: H.P.

(8) **WATER LEVELS:** Land-surface elevation above mean sea level ft.
Static level N/A ft. below top of well Date
Artesian pressure lbs. per square inch Date
Artesian water is controlled by (Cap, velve, etc.)

(9) **WELL TESTS:** Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☐ No XX If yes, by whom?
Yield: gal./min. with ft. drawdown after hrs.
" " " "
" " " "

Recovery date (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test
Bailer test gal./min. with ft. drawdown after hrs.
Airtest gal./min. with stem set at ft. for hrs.
Artesian flow g.p.m. Date
Temperature of water Was a chemical analysis made? Yes ☐ No ☐

(10) **WELL LOG or ABANDONMENT PROCEDURE DESCRIPTION**

Formetion: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the meterial in each stretum penetrated, with at least one entry for each change of information.

MATERIAL	FROM	TO
BROWN TILL, OVERBURDEN	0	3
BROWN SILTY SAND & GRAVEL	3	8
GRAY CLAY	8	32
GRAY SANDY CLAY	32	125
GRAY SANDY CLAY, GRAVEL, WOOD	125	138
GRAY CLAY	138	255
GRAY SANDY CLAY	255	430
GRAY CLAY	430	463
GRAY SANDY SILT	463	466
GRAY CLAY	466	490
"To be deepened at a later date"		

RECEIVED
AUG 04 1997
Department of Ecology

Work Started 6/24/97 19. Completed 7/09/97 19

WELL CONSTRUCTOR CERTIFICATION:

I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

NAME GRESHAM WELL DRILLING, INC. (PERSON, FIRM, OR CORPORATION) (TYPE OR PRINT)

Address 3105 NW LAKENESS RD., POULSBO, WA 98370

(Signed) (WELL DRILLER) License No. 0761

Contractor's Registration No. GRESHWD055BC Date 7/21/97 19

(USE ADDITIONAL SHEETS IF NECESSARY)

Ecology is an Equal Opportunity and Affirmative Action employer. For special accommodation needs, contact the Water Resources Program at (206) 407-6600. The TDD number is (206) 407-6006.

ECY 050-1-20 (9/93)

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

25/2-17D

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT

STATE OF WASHINGTON

Application No. .....

Permit No. .....

(1) OWNER: Name BRUCE SLATTER Address 11031 SKINNER DR. BLING BAY, Is.

(2) LOCATION OF WELL: County KITSAP SW ¼ NW ¼ NW ¼ Sec. 17 T. 25 N., R. 2E W.M.

Bearing and distance from section or subdivision corner

(3) PROPOSED USE: Domestic ☒ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

(4) TYPE OF WORK: Owner's number of well (if more than one) .....
New well ☒ Method: Dug ☐ Bored ☐
Deepened ☐ Cable ☒ Driven ☐
Reconditioned ☐ Rotary ☐ Jetted ☐

(5) DIMENSIONS: Diameter of well 6 inches.
Drilled 78 ft. Depth of completed well 78 ft.

(6) CONSTRUCTION DETAILS:

Casing installed: 6 " Diam. from 0 ft. to 73 ft.
Threaded ☐ ..... " Diam. from ..... ft. to ..... ft.
Welded ☒ ..... " Diam. from ..... ft. to ..... ft.

Perforations: Yes ☐ No ☒
Type of perforator used .....
SIZE of perforations ..... in. by ..... in.
..... perforations from ..... ft. to ..... ft.
..... perforations from ..... ft. to ..... ft.
..... perforations from ..... ft. to ..... ft.

Screens: Yes ☒ No ☐
Manufacturer's Name JOHNSON
Type STAINLESS Model No. .....
Diam. 6 Slot size 12 from 73 ft. to 78 ft.
Diam. ..... Slot size ..... from ..... ft. to ..... ft.

Gravel packed: Yes ☐ No ☒ Size of gravel: .....
Gravel placed from ..... ft. to ..... ft.

Surface seal: Yes ☒ No ☐ To what depth? 18 ft.
Material used in seal BENTONITE
Did any strata contain unusable water? Yes ☐ No ☒
Type of water? ..... Depth of strata .....
Method of sealing strata off .....

(7) PUMP: Manufacturer's Name WEBTROL
Type: SUB H.P. ½

(8) WATER LEVELS: Land-surface elevation above mean sea level ..... ft.
Static level 57 ft. below top of well Date 6-29-81
Artesian pressure ..... lbs. per square inch Date .....
Artesian water is controlled by ..... (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☒ No ☐ If yes, by whom? MILLER
Yield: 10 gal./min. with 12 ft. drawdown after 4 hrs.
" " " "
" " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

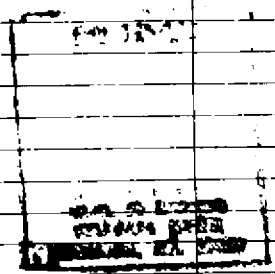
Time	Water Level	Time	Water Level	Time	Water Level

Date of test .....
Bailer test 10 gal./min. with 10 ft. drawdown after 4 hrs.
Artesian flow ..... g.p.m. Date 6-26-81
Temperature of water ..... Was a chemical analysis made? Yes ☐ No ☒

(10) WELL LOG:

Formation: *Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.*

MATERIAL	FROM	TO
CLAY GRAVEL BR	0	2
H.P. BROWN	2	24
CLAY SAND GRAVEL BR	24	71
SAND — WATER	71	78
CLAY-SAND BR	78	



Work started 6-23, 19 81 Completed 6-24, 19 81

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME McCOY DRILLING & WELL DEV. CO. (Person, firm, or corporation) (Type or print)

Address 2401 S. BAYVIEW ST. SEATTLE, WA. 98144

[Signed] Walter H. Engler (Well Driller)

License No. 0120 Date 6-29, 1981

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

25/02-09P

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT
STATE OF WASHINGTON

Application No
Permit No

(1) **OWNER:** Name Bob Tabafunda Address 11309 Miller Rd. N.E. Bainbridge Island

(2) **LOCATION OF WELL:** County Kitsap SW¼ of SE¼ SW¼ Sec 9 T. 25 N., R. 2 E W.M.

Bearing and distance from section or subdivision corner

(3) **PROPOSED USE:** Domestic [X] Industrial [ ] Municipal [ ]
Irrigation [ ] Test Well [ ] Other [ ]

(4) **TYPE OF WORK:** Owner's number of well (if more than one) ....
New well [X] Method: Dug [ ] Bored [ ]
Deepened [ ] Cable [X] Driven [ ]
Reconditioned [ ] Rotary [ ] Jetted [ ]

(5) **DIMENSIONS:** Diameter of well 6 inches.
Drilled 38 ft. Depth of completed well 38 ft.

(6) **CONSTRUCTION DETAILS:**
Casing installed: 6 " Diam. from 0 ft. to 33 ft.
Threaded [ ] " Diam. from .... ft. to .... ft.
Welded [X] " Diam. from .... ft. to .... ft.

Perforations: Yes [ ] No [X]
Type of perforator used ....
SIZE of perforations .... in. by .... in.
perforations from .... ft. to .... ft.
perforations from .... ft. to .... ft.
perforations from .... ft. to .... ft.

Screens: Yes [X] No [ ]
Manufacturer's Name Johnson
Type Stainless Model No ....
Diam .... Slot size .... from .... ft. to .... ft.
Diam 6 Slot size 14 from 33 ft. to 38 ft.

Gravel packed: Yes [ ] No [X] Size of gravel: ....
Gravel placed from .... ft. to .... ft.

Surface seal: Yes [X] No [ ] To what depth? 19 ft.
Material used in seal [redacted] Cement & Bentonite
Did any strata contain unusable water? Yes [ ] No [X]
Type of water? .... Depth of strata ....
Method of sealing strata off ....

(7) **PUMP:** Manufacturer's Name Sta-Rite
Type: Submersible H.P. 1/3

(8) **WATER LEVELS:** Land-surface elevation above mean sea level .... ft.
Static level 11 ft. below top of well Date 3/9/79
Artesian pressure .... lbs. per square inch Date ....
Artesian water is controlled by .... (Cap, valve, etc.)

(9) **WELL TESTS:** Drawdown is amount water level is lowered below static level
Was a pump test made? Yes [X] No [ ] If yes, by whom? Driller
Yield: 18 gal/min. with 4 ft. drawdown after 3 hrs.

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test ....
Bailer test 20 gal./min. with .... ft. drawdown after .... hrs.
Artesian flow .... g.p.m. Date ....
Temperature of water .... Was a chemical analysis made? Yes [ ] No [X]

(10) **WELL LOG:**
Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL		FROM	TO
Top soil	Brown	0	5
Hard pan	"	5	11
Clay	Blue	11	30
Sand & gravel		30	38

Work started March 6, 19 79 Completed March 9, 19 79

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME CRABTREE DRILLING CO.
(Person, firm, or corporation) (Type or print)

Address 33349 Eglon Rd. N.E. Kingston

[Signed] Jerry Crabtree
(Well Driller)

License No. 0082 Date March 28, 19 79

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

25/2—23/K

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT

STATE OF WASHINGTON

Application No. .....

Permit No. .....

(1) OWNER: Name BW Tritten Address 10450 Yagumia St. SE, Unit A, 98110

(2) LOCATION OF WELL: County Kitsap SW¼ of SW¼ of NE¼ Sec. 23 T. 25 N., R. 2 E.W.M.

Bearing and distance from section or subdivision corner

(3) PROPOSED USE: Domestic [X] Industrial [ ] Municipal [ ]
Irrigation [ ] Test Well [ ] Other [ ]

(4) TYPE OF WORK: Owner's number of well (if more than one) .....
New well [X] Method: Dug [ ] Bored [ ]
Deepened [ ] Cable [X] Driven [ ]
Reconditioned [ ] Rotary [ ] Jetted [ ]

(5) DIMENSIONS: Diameter of well 6 inches.
Drilled 397 ft. Depth of completed well 397 ft.

(6) CONSTRUCTION DETAILS:

Casing installed: ..." Diam. from ... ft. to ... ft.
Threaded [ ] ..." Diam. from ... ft. to ... ft.
Welded [X] 6" Diam. from 0 ft. to 397 ft.

Perforations: Yes [ ] No [X]
Type of perforator used .....
SIZE of perforations ... in. by ... in.
... perforations from ... ft. to ... ft.
... perforations from ... ft. to ... ft.
... perforations from ... ft. to ... ft.

Screens: Yes [X] No [ ]
Manufacturer's Name Johnson
Type Stainless Model No. .....
Diam. ... Slot size ... from ... ft. to ... ft.
Diam. 6 Slot size 4 from 397 ft. to 397 ft.

Gravel packed: Yes [ ] No [X] Size of gravel: .....
Gravel placed from ... ft. to ... ft.

Surface seal: Yes [X] No [ ] To what depth? 20 ft.
Material used in seal Bentonite
Did any strata contain unusable water? Yes [ ] No [X]
Type of water? ... Depth of strata ...
Method of sealing strata off .....

(7) PUMP: Manufacturer's Name Sta-Rite
Type: Jet H.P. 1½

(8) WATER LEVELS: Land-surface elevation above mean sea level .... 80 ft.
Static level 87 ft. below top of well Date .....
Artesian pressure ... lbs. per square inch Date .....
Artesian water is controlled by ... (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes [X] No [ ] If yes, by whom? Driller
Yield: ... gal./min. with ... ft. drawdown after ... hrs.
" 14 " 21 " 6 "
" " " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test .....
Bailer test 4 gal./min. with 225 ft. drawdown after 6 hrs.
Artesian flow ... g.p.m. Date .....
Temperature of water ... Was a chemical analysis made? Yes [ ] No [X]

(10) WELL LOG:

Formation: *Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.*

MATERIAL		FROM	TO
Fill & clay	Black	0	3
Hard pack	Brown	3	6
Clay	"	6	10
Clay	Blue	10	20
Silt	"	10	25
Clay	"	25	30
Silt	"	30	65
Clay	"	65	100
Hardpan	Gray	100	115
Sand & gravel - Coarse	"	115	125
" & "	Brown	125	130
Clay - Sticky	Gray	130	200
Clay	Blue	200	250
Clay - Sticky	Gray	250	316
Sand & gravel - Coarse	"	316	345
Silt & clay - Hard	"	345	350
Clay sticky - Interbedded	"	350	360
Silt & clay - Hard	"	360	380
Silt - Clay	"	380	388
Sand - Fine - Dirty	"	388	390
Sand - Fine -	"	390	397
Clay	Blue	397	—

RECEIVED JUL 1983 DEPARTMENT OF ECOLOGY

Work started April 23, 19 83 Completed May 26, 19 83

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME CRABTREE DRILLING CO. (Person, firm, or corporation) (Type or print)

Address 32349 EGLON RD N.E. KINGSTON

[Signed] Jerry Crabtree (Well Driller)

License No. 82 Date May 24, 1983

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

WASHINGTON STATE DEPARTMENT OF ECOLOGY

UNIQUE WELL I.D. NUMBER A A A 1 8 7
X Y Z 1 2 3

WELL TAGGING FORM

Date of Field Visit 4/22/92 By BA - PUD #1

RECORD VERIFICATION

- [X] Well Report available *(please attach)*
- [ ] Well Report not available
- [ ] Verification inconclusive

WELL OWNERSHIP

Name Bill Trotter

Street address 10450 Yaquina

City Bainbridge Is State WA 98110

LOCATION OF WELL

Well Address 10450 Yaquina

City Bainbridge Is County Kitsap

T. 25 N. R. 02E W M. Sec. 23G ¼ SW ¼ NE

GPS Location: Latitude 47 ° 38 ' 73N "

Longitude 122 ° 30 ' 56W "

Elevation 100' (feet) meters *(circle one)*

- [X] Digital Altimeter
- [ ] Topographic Map
- [ ] Other

If unable to verify location with GPS equipment:

- [ ] Location marked on topographic map *(please attach if available)*
- [ ] Location marked on air photo *(please attach if available)*

ADOP 3.3
11 18 19
9 9 9

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

AAA187

WELL CHARACTERISTICS

Physical Description of Well (size of casing, type of well, housing, etc.): drilled well with 6" casing in a 'dog house' structure

Location of Well Identification Tag: on casing 2" from top

Was Supplemental Tag needed for ease of identifying well?

☒ NO ☐ YES

Scale 1:24,000 (1"=2,000')

D	C	B	A
E	F	G	H
M	L	K	J
N	P	Q	R

SECTION 23G

Indicate the location of the well within the Section by drawing a dot at that point.

COMMENTS:

FOR ECOLOGY USE ONLY

Water Right # _____ Date Issued _____

Original and 1st Copy with Dept. of Ecology
2nd Copy — Owner's Copy
3rd Copy — Driller's Copy

WATER WELL REPORT
STATE OF WASHINGTON

Application No. 0021
Permit No. AAA187

(1) OWNER: Name Bill Tuttle Address 10450 Yaquina Dr. BT, WASA, 98110

(2) LOCATION OF WELL: County Kitsap
SW¼ SW¼ NE¼ Sec 23 T 25 N R 2 E W.M.
Bearing and distance from section or subdivision corner

(3) PROPOSED USE: Domestic ☒ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

(4) TYPE OF WORK: Owner's number of well (if more than one)
New well ☒ Method: Dug ☐ Bored ☐
Deepened ☐ Cable ☒ Driven ☐
Reconditioned ☐ Rotary ☐ Jetted ☐

(5) DIMENSIONS: Diameter of well 6 inches
Drilled 397 ft. Depth of completed well 397 ft.

(6) CONSTRUCTION DETAILS:
Casing installed: Threaded ☐ Welded ☒
6 " Diam from 0 ft to 397 ft
" Diam from ft to ft
" Diam from ft to ft

Perforations: Yes ☐ No ☒
Type of perforator used
SIZE of perforations in by in
perforations from ft to ft
perforations from ft to ft
perforations from ft to ft

Screens: Yes ☒ No ☐
Manufacturer's Name Johnson
Type Stainless Model No
Diam Slot size from ft to ft
Diam 6 Slot size 4 from 397 ft. to 397 ft

Gravel packed: Yes ☐ No ☒ Size of gravel
Gravel placed from ft to ft

Surface seal: Yes ☒ No ☐ To what depth? 20 ft
Material used in seal Bentonite
Did any strata contain unusable water? Yes ☐ No ☒
Type of water? Depth of strata
Method of sealing strata off

(7) PUMP: Manufacturer's Name Sta-Rite
Type Turbine HP 1½

(8) WATER LEVELS: Land-surface elevation above mean sea level 80 ft
Static level 87 ft below top of well Date
Artesian pressure lbs per square inch Date
Artesian water is controlled by (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☒ No ☐ If yes, by whom? Driller
Yield 14 gal/min with 211 ft drawdown after 6 hrs
" " " "
Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test
Bailer test 4 gal/min with 225 ft drawdown after 6 hrs
Artesian flow gpm Date
Temperature of water Was a chemical analysis made? Yes ☐ No ☒

(10) WELL LOG:
Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL		FROM	TO
Fill + clay	Black	0	7
Hard pack	Brown	7	6
Clay	"	6	10
Clay	Blue	10	20
Silt	"	10	25
Clay	"	25	30
Silt	"	30	65
Clay	"	65	100
Hard pan	Gray	100	115
Sand + gravel - Coarse	"	115	125
" + "	Brown	125	130
Clay - Sticky	Gray	130	200
Clay	Blue	200	250
Clay - Sticky	Gray	250	316
Sand + gravel - Coarse	"	316	345
Silt - Sandy - Hard	"	345	350
Clay - Sticky - Hard packed	"	350	360
Silt - Sandy - Hard	"	360	380
Silt - Sandy	"	380	388
Sand - Fine - Dirty	"	388	390
Sand + Fine	"	390	397
Clay	Blue	397	

RECEIVED
JUL 8 1983
DEPARTMENT OF ECOLOGY
NORTHWEST REGION

Work started May 26 19 83 Completed May 26 19 83

WELL DRILLER'S STATEMENT:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief

NAME CRABTREE DRILLING CO. (Person, firm, or corporation) (Type or print)
Address 32349 EGLON RD. N.E. KINGSTON
[Signed] Jerry Crabtree (Well Driller)
License No 82 Date May 24 19 83

(USE ADDITIONAL SHEETS IF NECESSARY)

(050-1 20)

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

USGS map 2/5

KITSAP COUNTY PUD #1
PRIVATE WELL/CONSERVATION PROGRAM

LAB NO. 185

ACCOUNT NO. _____ DIV. _____

CUSTOMER NAME (PLEASE PRINT) Bill (FIRST) Trotter (LAST)

ADDRESS WHERE SHOWERHEAD INSTALLED:

STREET 10450 Yaquina UNIT # _____

CITY Bainbridge Is STATE WA ZIP 98110

CUSTOMER'S SIGNATURE [signature] DATE 4/22/92

no devices

QUANTITY	BRAND	PROGRAM/DELIVERY METHOD
	Ondine Showerhead	(4) Business Office
	Kitchen Aerator	(1) Single Family
____	Bath Aerator	____ (4) Contractor Installed

PUD ACCT # 000857 WELL ID # AAA187 LOCAL # 25N/02E-23G

100' altim

ELEVATION 130' topo LATITUDE/LONGITUDE 47° 38.73N / 122° 30.56W PDOP 3.3

11 18 19

DUG(D) ____ DRILLED(W) ____ SPRING(S) ____ 9 9 9

ORIGINAL OWNER _____ DRILLER _____

YEAR DRILLED _____ WELL DEPTH _____

PHONE # 842-6042 TIME BEGAN 12:31 TIME COMPLETED 1:19

DESCRIPTION OF MEASURING PT. (MP) could not enter casing

HEIGHT OF MP ABOVE/BELOW LAND SURFACE / BacT A

DEPTH TO WATER BELOW MP / DEPTH TO WATER BELOW LS /

TEMPERATURE 55.3 SPECIFIC CONDUCTIVITY 246 ph 8.35

Nitrate mg/L 0.9 Fe mg/L 0.23 Mn mg/L 0.139

COLOR clear ODOR none APPEARANCE normal

SAMPLING POINT DESCRIPTION outside hose bib

REMARKS 4/21 ok to sample + tag NH

SAMPLING PERSONNEL BA

BACKFLOW DEVICE INSTALLED YES NO

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

FILED WITH APPLICATION

25/01-10N

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT
STATE OF WASHINGTON

Application No. G1-23004
Permit No.

(1) **OWNER:** Name SILVERDALE WATER DISTRICT Address SILVERDALE WA 98383

(2) **LOCATION OF WELL:** County KITSAP SW¼ SW¼ Sec 10 T 25 N., R 1E W.M.
Bearing and distance from section or subdivision corner 750' N & 100' E OF SW COR SEC 10

(3) **PROPOSED USE:** Domestic ☐ Industrial ☐ Municipal ☒
Irrigation ☐ Test Well ☐ Other ☐

(4) **TYPE OF WORK:** Owner's number of well (if more than one) BUCKLIN RIDGE WELL JUNE 2E #1
New well ☒ Method: Dug ☐ Bored ☐
Deepened ☐ Cable ☒ Driven ☐
Reconditioned ☐ Rotary ☐ Jetted ☐

(5) **DIMENSIONS:** Diameter of well 10-8-7 inches.
Drilled 539 ft. Depth of completed well 483 ft.

(6) **CONSTRUCTION DETAILS:**
Casing installed: 10 " Diam. from 0 ft. to 335 ft.
Threaded ☐ 8 " Diam. from 0 ft. to 469 ft.
Welded ☐ 7 " Diam. from 463 ft. to 483 ft.

Perforations: Yes ☐ No ☒
Type of perforator used
SIZE of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

Screens: Yes ☒ No ☐
Manufacturer's Name JOHNSON
Type SS WIRE WOUND Model No.
Diam. 6 5/8 Slot size 15-50 from 469 ft. to 478 ft.
Diam. " Slot size 30 from 478 ft. to 480 ft.

Gravel packed: Yes ☐ No ☒ Size of gravel:
Gravel placed from ft. to ft.

Surface seal: Yes ☒ No ☐ To what depth? 18 ft.
Material used in seal CONCRETE
Did any strata contain unusable water? Yes ☐ No ☒
Type of water? Depth of strata
Method of sealing strata off

(7) **PUMP:** Manufacturer's Name
Type: H.P.

(8) **WATER LEVELS:** Land-surface elevation above mean sea level ft.
Static level 213.7 ft. below top of well Date 1/20/76
Artesian pressure lbs. per square inch Date
Artesian water is controlled by (Cap, valve, etc.)

(9) **WELL TESTS:** Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☒ No ☐ If yes, by whom? R & N
Yield: 100 gal./min. with 76.8 ft. drawdown after 24 hrs.
" " " "
" " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level
ON FILE					

Date of test 1/20/76
Bailer test gal./min. with ft. drawdown after hrs.
Artesian flow g.p.m. Date
Temperature of water Was a chemical analysis made? Yes ☒ No ☐

(10) **WELL LOG:**
Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL	FROM	TO
SAND, Med - coarse	0	140
SND & GVL	140	150
" " " , CLAY BOUND (AS TILL)	150	165
SND, Fine to med	165	180
CLAY, SILT, SOME FINE SND SEAMS. BLUE & BROWN. SOME WEED NOTED ABOVE 246	180	439
SAND, SILTY	439	471
GRAVEL, SILTY, GRADING TO COARSER GRAVEL WITH COARSE SAND	471	491
BLUE SILTY SAND	491	539
G1-23004		

Work started NOV 1975 Completed JAN 1976

WELL DRILLER'S STATEMENT:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME STORY & ARMSTRONG DRILLING CO
(Person, firm, or corporation) (Type or print)

Address PUYALLUP

[Signed] (Well Driller)

ROBINSON & NOBLE, INC.
License No. 0318 Gravelly Lake Dr. Date NOV 14, 1977
Tacoma, Wash. 98499

(USE ADDITIONAL SHEETS IF NECESSARY)

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

25/12 - 20 C

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT

STATE OF WASHINGTON

Application No. .....

Permit No. .....

(1) OWNER: Name Bruce Von Forman Address 4613 Evergreen Ave N.E. B.I., WASH.

(2) LOCATION OF WELL: County Kitsap NW¼ of NE¼ NW¼ Sec 20 T. 25 N., R. 2 E. W.M.

Bearing and distance from section or subdivision corner

(3) PROPOSED USE: Domestic [X] Industrial [ ] Municipal [ ]
Irrigation [ ] Test Well [ ] Other [ ]

(4) TYPE OF WORK: Owner's number of well (if more than one) .....
New well [X] Method: Dug [ ] Bored [ ]
Deepened [ ] Cable [X] Driven [ ]
Reconditioned [ ] Rotary [ ] Jetted [ ]

(5) DIMENSIONS: Diameter of well 6 inches.
Drilled 143 ft. Depth of completed well 143 ft.

(6) CONSTRUCTION DETAILS:

Casing installed: ..." Diam. from .. ft. to .. ft.
Threaded [ ] ..." Diam. from .. ft. to .. ft.
Welded [X] 6" Diam. from 0 ft. to 138 ft.

Perforations: Yes [ ] No [X]
Type of perforator used .....
SIZE of perforations ... in. by ... in.
... perforations from ... ft. to ... ft.
... perforations from ... ft. to ... ft.
... perforations from ... ft. to ... ft.

Screens: Yes [X] No [ ]
Manufacturer's Name Johnson
Type Stainless Model No .....
Diam. ... Slot size ... from ... ft. to ... ft.
Diam. 6 Slot size 12 from 138 ft. to 143 ft.

Gravel packed: Yes [ ] No [X] Size of gravel: .....
Gravel placed from ... ft. to ... ft.

Surface seal: Yes [X] No [ ] To what depth? 20 ft.
Material used in seal Bentonite
Did any strata contain unusable water? Yes [ ] No [X]
Type of water? ... Depth of strata ...
Method of sealing strata off .....

(7) PUMP: Manufacturer's Name Sta-Rite
Type: Jet H.P. ¾

(8) WATER LEVELS: Land-surface elevation above mean sea level 100 ft.
Static level 113 ft. below top of well Date 10-21-81
Artesian pressure ... lbs. per square inch Date ...
Artesian water is controlled by ... (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes [X] No [ ] If yes, by whom? Driller
Yield: 13 gal./min. with 4 ft. drawdown after 3 hrs.
" " " " " "
" " " " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test .....
Bailer test 20 gal./min. with 4 ft. drawdown after 3 hrs.
Artesian flow ... g.p.m. Date ...
Temperature of water ... Was a chemical analysis made? Yes [ ] No [X]

(10) WELL LOG:

Formation: *Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.*

MATERIAL		FROM	TO
Clay loam	Brown	0	11
Hard pan	"	11	14
Clay & rocks	"	14	20
Hard pan	"	20	56
Sand & gravel (Cemented)	"	56	73
Clay	Blue	73	85
Hard pan	Brown	85	96
Sand & gravel	"	96	103
Gravel-Cemented	"	103	109
" "	Gray	109	112
Clay	Blue	112	128
Sand & gravel Dirty	"	128	132
Sand & gravel	"	132	134
Clay	"	134	135
Sand & gravel	"	135	143

Work started Oct 5, 1981 Completed Oct 21, 1981

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME CRABTREE DRILLING Co
(Person, firm, or corporation) (Type or print)

Address 33349 Eglon Rd. N.E. Kingston

[Signed] Jerry Crabtree
(Well Driller)

License No. 82 Date Oct 22, 1981

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

File Original and First Copy with Department of Ecology
Second Copy—Owner's Copy
Third Copy—Driller's Copy

WATER WELL REPORT

STATE OF WASHINGTON

Start Card No. 015721

Water Right Permit No. 25/2/21 H

(1) OWNER: Name Mr. Bill Waddington Address 9223 Sands Road N.E., B.I. 98110

(2) LOCATION OF WELL: County Kitsap SE ¼ NE ¼ Sec. 21 T. 25 N. R. 2E W.M.

(2a) STREET ADDDRESS OF WELL (or nearest address) 9223 Sands Road N.E.

(3) PROPOSED USE: [X] Domestic [ ] Industrial [ ] Municipal [ ] Irrigation [ ] Test Well [ ] Other [ ] DeWater

(4) TYPE OF WORK: Owner's number of well (if more than one) #2

Abandoned [ ] New well [X] Method: Dug [ ] Bored [ ] Deepened [ ] Cable [X] Driven [ ] Reconditioned [ ] Rotary [ ] Jetted [ ]

(5) DIMENSIONS: Diameter of well 6 inches. Drilled 293 feet. Depth of completed well 293 ft.

(6) CONSTRUCTION DETAILS:

Casing installed: 6 " Diam. from 0 ft. to 288 ft.
Welded [X] Liner installed [ ] Threaded [ ] " Diam. from ft. to ft.

Perforations: Yes [ ] No [X]
Type of perforator used
SIZE of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

Screens: Yes [X] No [ ]
Manufacturer's Name Johnson
Type stainless steel Model No.
Diam. 6 Slot size 7 from 288 ft. to 293 ft.
Diam. Slot size from ft. to ft.

Gravel packed: Yes [ ] No [X] Size of gravel
Gravel placed from ft. to ft.

Surface seal: Yes [X] No [ ] To what depth? 18 ft.
Material used in seal Bentonite
Did any strata contain unusable water? Yes [ ] No [X]
Type of water? Depth of strata
Method of sealing strata off

(7) PUMP: Manufacturer's Name Goulds
Type: submersible H.P. 1½

(8) WATER LEVELS: Land-surface elevation above mean sea level 420 ft.
Static level 198 ft. below top of well Date 6/21/89
Artesian pressure lbs. per square inch Date
Artesian water is controlled by (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes [ ] No [ ] If yes, by whom?
Yield: gal./min. with ft. drawdown after hrs.
" " " "
" " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test

Bailer test 12 gal./min. with 83 ft. drawdown after 2 hrs.
Airtest gal./min. with stem set at ft. for hrs.
Artesian flow g.p.m. Date
Temperature of water 50 Was a chemical analysis made? Yes [ ] No [X]

(10) WELL LOG or ABANDONMENT PROCEDURE DESCRIPTION

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of information.

MATERIAL	FROM	TO
Overburden	0	2
Brown gravelly hardpan	2	48
Blue gravelly till	48	60
Sand & H20	60	62
Blue gravelly till	62	73
Grey gravelly hardpan	73	92
" " " w/clay	92	118
Blue gritty clay	118	130
Blue silty clay	130	145
Blue gritty clay	145	170
Blue clay & gravel	170	195
Blue sandy till	195	200
Blue gravelly till	200	208
Grey hardpan	208	213
Grey hardpan w/clay	213	222
Grey silty sand & clay	222	223
Grey hardpan	223	227
Grey silty sand & clay	227	232
Grey silt	232	240
Grey silt w/gravel	240	245
Blue clay & gravel	245	260
Blue silty clay w/gravel	260	275
Blue silty clay	275	290
Sand & H20	290	293

Work started 6/14/89 19 Completed 6/21/89 19

WELL CONSTRUCTOR CERTIFICATION:

I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

NAME Gresham Well Drilling
(PERSON, FIRM, OR CORPORATION) (TYPE OR PRINT)

Address 3105 N.W. Lakeness Rd., Poulsbo

(Signed) (WELL DRILLER) License No. 0761

Contractor's Registration No. GRESHWD206NF Date 8/9/89 19

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20 (10/87) -1329-

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

25/02-28F

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT

STATE OF WASHINGTON

Application No. .....

Permit No. .....

(1) OWNER: Name Bob Nettleton Address Rt. 4 Box 4660 Bainbridge Island

(2) LOCATION OF WELL: County Kitsap SE ¼ – SE ¼ NW ¼ Sec. 28 T. 25 N., R. 2E W.M.

Bearing and distance from section or subdivision corner

(3) PROPOSED USE: Domestic [X] Industrial [ ] Municipal [ ]
Irrigation [ ] Test Well [ ] Other [ ]

(4) TYPE OF WORK: Owner's number of well (if more than one) .....
New well [X] Method: Dug [ ] Bored [ ]
Deepened [ ] Cable [X] Driven [ ]
Reconditioned [ ] Rotary [ ] Jetted [ ]

(5) DIMENSIONS: Diameter of well 6 inches.
Drilled 154 ft. Depth of completed well 154 ft.

(6) CONSTRUCTION DETAILS:
Casing installed: 6 " Diam. from 0 ft. to 149 ft.
Threaded [ ] ..... " Diam. from ..... ft. to ..... ft.
Welded [ ] ..... " Diam. from ..... ft. to ..... ft.

Perforations: Yes [ ] No [X]
Type of perforator used .....
SIZE of perforations ..... in. by ..... in.
..... perforations from ..... ft. to ..... ft.
..... perforations from ..... ft. to ..... ft.
..... perforations from ..... ft. to ..... ft.

Screens: Yes [X] No [ ] Johnson
Manufacturer's Name .....
Type Stainless Model No. .....
Diam. 6 Slot size 12 from 149 ft. to 154 ft.
Diam. ..... Slot size ..... from ..... ft. to ..... ft.

Gravel packed: Yes [ ] No [X] Size of gravel: .....
Gravel placed from ..... ft. to ..... ft.

Surface seal: Yes [X] No [ ] To what depth? 20 ft.
Material used in seal .....
Did any strata contain unusable water? Yes [ ] No [X]
Type of water? ..... Depth of strata .....
Method of sealing strata off .....

(7) PUMP: Manufacturer's Name Sta-Rite
Type: Jet H.P. ¾

(8) WATER LEVELS: Land-surface elevation above mean sea level .... 200 ft.
Static level 125 ft. below top of well Date 1/5/77
Artesian pressure ..... lbs. per square inch Date .....
Artesian water is controlled by ..... (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes [X] No [ ] If yes, by whom? Driller
Yield: 8 gal./min. with 11 ft. drawdown after 4 hrs.
" " " "
" " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test .....
Bailer test 7 gal./min. with ..... ft. drawdown after ..... hrs.
Artesian flow ..... g.p.m. Date .....
Temperature of water ..... Was a chemical analysis made? Yes [ ] No [X]

(10) WELL LOG:

Formation: *Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.*

MATERIAL	FROM	TO
Top soil	0	2
Hard pan Brown	2	14
Clay Blue	14	38
Sand & gravel Loose Brown	38	70
Sand compted Brown	70	125
Sand loose Brown	125	148
Sand & pea gravel Brown	148	154

Work started Dec. 21, 19 76 Completed Jan. 5, 19 77

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME CRABTREE DRILLING CO.
(Person, firm, or corporation) (Type or print)

Address 33349 Eglon Rd. N.E., Kingston

[Signed] Jerry Crabtree
(Well Driller)

License No. 223-02 Date Jan. 8, 19 77

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

ENTERED

WATER WELL REPORT

STATE OF WASHINGTON

Start Card No. W053925

UNIQUE WELL I.D. # N/A

Water Right Permit No. 25/2E 135-A

(1) **OWNER:** Name RACHEL S. CANTWELL Address 4901 NEW SWEDEN AVE.,BAIN.ISLAND,WA 98110

(2) **LOCATION OF WELL:** County KITSAP SW 1/4 SW 1/4 Sec 35 T. 25 N., R 2E W.M.

(2a) **STREET ADDRESS OF WELL** (or nearest address) 4901 NEW SWEDEN AVENUE

(3) **PROPOSED USE:** [X] Domestic [ ] Industrial [ ] Municipal [ ] Irrigation [ ] Test Well [ ] Other [ ] DeWater

(4) **TYPE OF WORK:** Owner's number of well (if more than one) ____

Abandoned [ ] New well [X] Method: Dug [ ] Bored [ ] Deepened [ ] Cable [X] Driven [ ] Reconditioned [ ] Rotary [ ] Jetted [ ]

(5) **DIMENSIONS:** Diameter of well 6 inches. Drilled 858 feet. Depth of completed well 858 ft.

(6) **CONSTRUCTION DETAILS:**

Casing Installed: 6 " Diam. from 0 ft. to 857 ft.
Welded XX
Liner installed [ ]
Threaded [ ]
" Diam. from ____ ft. to ____ ft.
" Diam. from ____ ft. to ____ ft.

Perforations: Yes [ ] No [XX]
Type of perforator used ____
SIZE of perforations ____ in. by ____ in.
____ perforations from ____ ft. to ____ ft.
____ perforations from ____ ft. to ____ ft.
____ perforations from ____ ft. to ____ ft.

Screens: Yes [ ] No [XX]
Manufacturer's Name ____
Type ____ Model No. ____
Diam. ____ Slot size ____ from ____ ft. to ____ ft.
Diam. ____ Slot size ____ from ____ ft. to ____ ft.

Gravel packed: Yes [XX] No [ ] Size of gravel PEA
Gravel placed from 855 ft. to 858 ft.

Surface seal: Yes [X] No [ ] To what depth? 18 ft.
Material used in seal BENTONITE
Did any strata contain unusable water? Yes [ ] No [X]
Type of water? ____ Depth of strata ____
Method of sealing strata off ____

(7) **PUMP:** Manufacturer's Name NONE AT TIME
Type: ____ H.P. ____

(8) **WATER LEVELS:** Land-surface elevation above mean sea level ____ ft.
Static level 205 ft. below top of well Date 7/17/95
Artesian pressure ____ lbs. per square inch Date ____
Artesian water is controlled by ____ (Cap, valve, etc.)

(9) **WELL TESTS:** Drawdown is amount water level is lowered below static level
Was a pump test made? Yes [ ] No [XX] If yes, by whom? ____
Yield: ____ gal./min. with ____ ft. drawdown after ____ hrs.
" " " "
" " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Data of test ____
Bailer test 2 gal./min. with 626 ft. drawdown after 2 hrs.
Airtest ____ gal./min. with stem set at ____ ft. for ____ hrs.
Artesian flow ____ g.p.m. Date ____
Temperature of water 50 Was a chemical analysis made? Yes [ ] No [X]

(10) **WELL LOG or ABANDONMENT PROCEDURE DESCRIPTION**

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of information.

MATERIAL	FROM	TO
BROWN OVERBURDEN	0	1
BROWN SANDY LOAM	1	3
BROWN SILTY CLAY	3	32
GRAY CLAY	32	94
GRAY SILT	94	113
GRAY CLAY	113	138
GRAY SANDY CLAY	138	163
GRAY CLAY	163	575
GRAY GRAVELLY CLAY	575	586
GRAY SILTY CLAY	586	607
GRAY CLAY	607	712
GRAY GRAVELLY CLAY	712	727
GRAY CLAY	727	765
GRAY SILTY CLAY	765	785
GRAY SANDY CLAY	785	792
GRAY GRAVELLY CLAY	792	794
GRAY GRAVELLY TILL	794	835
GRAY GRAVELLY STICKY CLAY	835	840
GRAY GRAVELLY TILL,SEAMS H20	840	858

RECEIVED
AUG 22 1995
DEPT. OF ECOLOGY

Work Started 6/06/95 19. Completed 7/17/95 19

WELL CONSTRUCTOR CERTIFICATION:

I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

NAME GRESHAM WELL DRILLING, INC. (PERSON, FIRM, OR CORPORATION) (TYPE OR PRINT)

Address 3105 NW LAKENESS RD.,POULSBO,WA 98370

(Signed) ____ (WELL DRILLER) License No. 0761

Contractor's Registration No. GRESHWD055BC Date 7/26/95 19

(USE ADDITIONAL SHEETS IF NECESSARY)

Ecology is an Equal Opportunity and Affirmative Action employer. F cial accommodation needs, contact the Water Resources Program 407-6600. The TDD number is (206) 407-6006.

ECY 050-1-20 (9/93)

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

Please print, sign and return to the Department of Ecology

RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. 301106

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission *("x" in box)*

☒ Construction

☐ Decommission

ORIGINAL INSTALLATION Notice of Intent Number:

Consulting Firm GEO LOOP TEC

Unique Ecology Well IDTag No. BJI 317

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

☒ Driller ☐ Engineer ☐ Trainee

Name (Print Last, First Name) L. Paul Phiefer

Driller/Engineer /Trainee Signature

Driller or Trainee License No. 3163

If trainee, licensed driller's Signature and License Number:

Type of Well *("x in box)*

☒ Resource Protection

☐ Geotech Soil Boring

Property Owner BAINBRIDGE ISLAND SCHOOL DISTRICT

Site Address 4704 BLAKELY AVE NE

City Bainbridge Island County Kitsap

Location NE 1/4-1/4 NW 1/4 Sec 3 Twn 24N R 02E

EWM ☒ or WWM ☐

Lat/Long (s, t, r still REQUIRED) Lat Deg _____ Min _____ Sec _____

Long Deg _____ Min _____ Sec _____

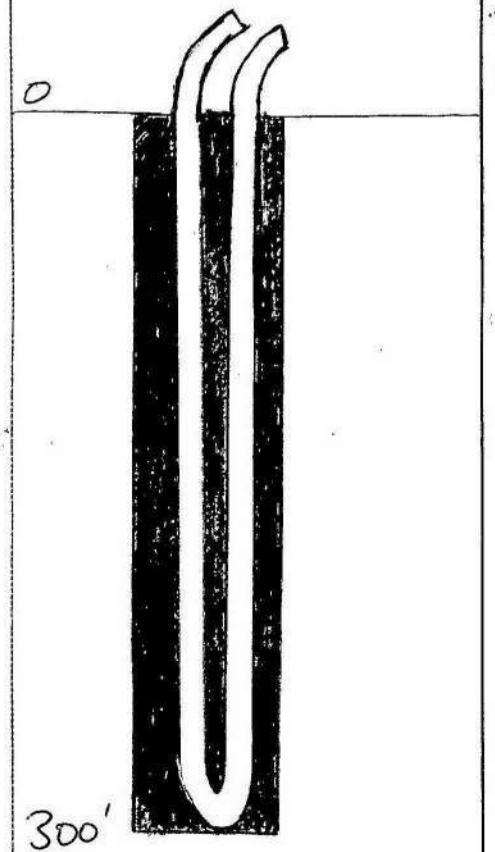
Tax Parcel No. 032402-2-004-2005

Cased or Uncased Diameter 6" Static Level _____

Work/Decommission Start Date 6/5/17

Work/Decommission Completed Date 6/6/17

Construction Design



Well Data

INSTALL 1" CLOSED GROUND LOOP

PLACED THERMALLY ENHANCED GROUT FROM 300' to 0'

BORE #

TEST BORE

Formation Description

0'-18' Brown sand with clay + small gravel
18'-42' Grey Clay
42'-48' Gray Sand
48'-58' Gray Silty clay (Hard)
58'-60' Gray Sand
60'-70' Gray Sand w/ some Clay
70'-90' Gray Silty clay (Hard)
90'-100' Gray/Brown fine Sand
100'-110' Gray Sand
110'-120' Brown sand
120'-124' Gray Sand
124'-130' Brown Sand
130'-155' Gray Sand
155'-185' Dark Gray Silty Sand
185'-203' Gray Silt w/ small gravel
203'-210' Gray Clay (Hard)
210'-230' Gray Sand w/ small gravel
230'-255' Gray Clay Hard
255'-270' Gray Sand + gravel
270'-285' Gray Clay
285'-300' Hard PAN

RECEIVED

JUL 17 2017

DEPT OF ECOLOGY NWRO - WR

SCALE: 1"= ____ PAGE ____ OF ____

ECY 050-12 (Rev 02-2011) To request ADA accommodation including materials in a format for the visually impaired, call Ecology Water Resources Program at 360-407-6872. Persons with impaired hearing may call Washington Relay Service at 711. Persons with speech disability may call TTY at 877-833-6341.

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report

2/22-2105

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT

STATE OF WASHINGTON

Application No.

Permit No.

(1) OWNER: Name CARL BURKE Address 676 LOVEL AVE. N.

(2) LOCATION OF WELL: County KITSAP NW ¼ NE ¼ Sec 9 T 25 N., R 2E W.M.

Bearing and distance from section or subdivision corner

(3) PROPOSED USE: Domestic [X] Industrial [ ] Municipal [ ]
Irrigation [ ] Test Well [ ] Other [ ]

(4) TYPE OF WORK: Owner's number of well (if more than one)
New well [X] Method: Dug [ ] Bored [ ]
Deepened [ ] Cable [X] Driven [ ]
Reconditioned [ ] Rotary [ ] Jetted [ ]

(5) DIMENSIONS: Diameter of well 6 inches.
Drilled 58 ft. Depth of completed well 58 ft.

(6) CONSTRUCTION DETAILS:
Casing installed: 6 " Diam. from 0 ft. to 58 ft.
Threaded [ ] " Diam. from ft. to ft.
Welded [X] " Diam. from ft. to ft.

Perforations: Yes [ ] No [X]
Type of perforator used
SIZE of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

Screens: Yes [X] No [ ] JOHNSON
Manufacturer's Name
Type 55 TELESCOPING Model No.
Diam. 6" Slot size 10 from 54 ft. to 58 ft.
Diam. Slot size from ft. to ft.

Gravel packed: Yes [ ] No [X] Size of gravel:
Gravel placed from ft. to ft.

Surface seal: Yes [X] No [ ] To what depth? 18 ft.
Material used in seal SODIUM BENTONITE
Did any strata contain unusable water? Yes [ ] No [X]
Type of water? Depth of strata
Method of sealing strata off

(7) PUMP: Manufacturer's Name FLINT & WALLING
Type: 4" SUBMERSIBLE H.P. ½

(8) WATER LEVELS: Land-surface elevation above mean sea level ft.
Static level 16 ft. below top of well Date 2/16/79
Artesian pressure lbs. per square inch Date
Artesian water is controlled by (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes [X] No [ ] If yes, by whom? Bach
Yield: 6 gal./min. with 37 ft. drawdown after 3 hrs.
" " " "
" " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test 2/22/79
Baller test 8 gal./min. with 24 ft. drawdown after 3 hrs.
Artesian flow g.p.m. Date 2/15/79
Temperature of water Was a chemical analysis made? Yes [ ] No [X]

(10) WELL LOG:

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL	FROM	TO
TOP SOIL	0	1
HARDPAN	1	20
CLAY-HARD PAN	20	48
FINE SAND	48	58
SANDY CLAY	58	—

Work started 2/6 19 79 Completed 2/22 19 79

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME BACH DRILLING INC.
(Person, firm, or corporation) (Type or print)

Address P.O. BOX 10452 BAINBRIDGE ISL.

[Signed] George Ivancich
(Well Driller)

License No. 599 Date 19

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

24/2E/5 Q

File Original and First Copy with Department of Ecology
Second Copy—Owner's Copy
Third Copy—Driller's Copy

WATER WELL REPORT

STATE OF WASHINGTON

Start Card No. 072104

Water Right Permit No. _____

(1) **OWNER:** Name Dr. Chester Burrell Address 7620 S.E. 41st, Mercer Island 98040

(2) **LOCATION OF WELL:** County Kitsap SW ¼ SE ¼ Sec. 5 T. 24 N., R. 2E W.M.

(2a) **STREET ADDDRESS OF WELL** (or nearest address) 3232 Crystal Springs Drive N.E., B.I.

(3) **PROPOSED USE:** [X] Domestic [ ] Industrial [ ] Municipal [ ] Irrigation [ ] Test Well [ ] Other [ ] DeWater

(4) **TYPE OF WORK:** Owner's number of well (if more than one) _____
Abandoned [ ] New well [X] Method: Dug [ ] Bored [ ] Deepened [ ] Cable [X] Driven [ ] Reconditioned [ ] Rotary [ ] Jetted [ ]

(5) **DIMENSIONS:** Diameter of well 6 inches. Drilled 50 feet. Depth of completed well 50 ft.

(6) **CONSTRUCTION DETAILS:**
Casing installed: 6 " Diam. from 0 ft. to 45 ft.
Welded [X] Liner installed [ ] Threaded [ ] _____ " Diam. from _____ ft. to _____ ft.

Perforations: Yes [ ] No [X]
Type of perforator used _____
SIZE of perforations _____ in. by _____ in.
_____ perforations from _____ ft. to _____ ft.
_____ perforations from _____ ft. to _____ ft.
_____ perforations from _____ ft. to _____ ft.

Screens: Yes [X] No [ ]
Manufacturer's Name JOhnson
Type stainless steel Model No. _____
Diam. 6 Slot size 10 from 45 ft. to 50 ft.
Diam. _____ Slot size _____ from _____ ft. to _____ ft.

Gravel packed: Yes [ ] No [X] Size of gravel _____
Gravel placed from _____ ft. to _____ ft.

Surface seal: Yes [X] No [ ] To what depth? 18 ft.
Material used in seal Bentonite
Did any strata contain unusable water? Yes [ ] No [X]
Type of water? _____ Depth of strata _____
Method of sealing strata off _____

(7) **PUMP:** Manufacturer's Name None at time
Type: _____ H.P. _____

(8) **WATER LEVELS:** Land-surface elevation above mean sea level _____ ft.
Static level 11 ft. below top of well Date 10/29/90
Artesian pressure _____ lbs. per square inch Date _____
Artesian water is controlled by _____ (Cap, valve, etc.)

(9) **WELL TESTS:** Drawdown is amount water level is lowered below static level
Was a pump test made? Yes [ ] No [ ] If yes, by whom? _____
Yield: _____ gal./min. with _____ ft. drawdown after _____ hrs.
" " " "
" " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test _____
Bailer test 40 gal./min. with 11 ft. drawdown after 2 hrs.
Airtest _____ gal./min. with stem set at _____ ft. for _____ hrs.
Artesian flow _____ g.p.m. Date _____
Temperature of water 50 Was a chemical analysis made? Yes [ ] No [X]

(10) **WELL LOG or ABANDONMENT PROCEDURE DESCRIPTION**

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of information.

MATERIAL	FROM	TO
Brown overburden	0	2
Brown gravelly hardpan	2	5
Brown sandy hardpan	5	17
Grey gravelly hardpan	17	30
Grey silt bound sand	30	39
Grey silt bound sand & gravel	39	42
Sand & gravel, H20	42	50

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NOV 09 1990
DEPT. OF ECOLOGY

Work started 10/26/90, 19. Completed 10/29/90, 19

WELL CONSTRUCTOR CERTIFICATION:

I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

NAME Gresham Well Drilling (PERSON, FIRM, OR CORPORATION) (TYPE OR PRINT)

Address 3105 N.W. Lakeness Rd., Poulsbo 98370

(Signed) _____ (WELL DRILLER) License No. 0761

Contractor's Registration No. GRESHWD206NF Date 10/30/90, 19

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20 (10/87) -1329-

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

26/02-33C

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT

STATE OF WASHINGTON

Application No. .....

Permit No. .....

(1) OWNER: Name Charles Cailleau Address 14836 State Hy. 305 R.G. Bainbridge Island

(2) LOCATION OF WELL: County Kitsap SE¼ of NE¼ SW¼ Sec. 33 T. 26 N., R. 2 E.W.M.

Bearing and distance from section or subdivision corner

(3) PROPOSED USE: Domestic [X] Industrial [ ] Municipal [ ]
Irrigation [ ] Test Well [ ] Other [ ]

(4) TYPE OF WORK: Owner's number of well (if more than one) .....
New well [X] Method: Dug [ ] Bored [ ]
Deepened [ ] Cable [X] Driven [ ]
Reconditioned [ ] Rotary [ ] Jetted [ ]

(5) DIMENSIONS: Diameter of well 6 inches.
Drilled 175 ft. Depth of completed well 173 ft.

(6) CONSTRUCTION DETAILS:

Casing installed: 6 " Diam. from 0 ft. to 168 ft.
Threaded [ ] " Diam. from ..... ft. to ..... ft.
Welded [X] " Diam. from ..... ft. to ..... ft.

Perforations: Yes [ ] No [X]
Type of perforator used .....
SIZE of perforations ..... in. by ..... in.
..... perforations from ..... ft. to ..... ft.
..... perforations from ..... ft. to ..... ft.
..... perforations from ..... ft. to ..... ft.

Screens: Yes [X] No [ ]
Manufacturer's Name Johnson
Type Stainless Model No .....
Diam ..... Slot size ..... from ..... ft. to ..... ft.
Diam. 6 Slot size 12 from 168 ft. to 173 ft.

Gravel packed: Yes [ ] No [X] Size of gravel: .....
Gravel placed from ..... ft. to ..... ft.

Surface seal: Yes [X] No [ ] To what depth? 19 ft.
Material used in seal Bentonite
Did any strata contain unusable water? Yes [ ] No [X]
Type of water? ..... Depth of strata .....
Method of sealing strata off .....

(7) PUMP: Manufacturer's Name Sta-Rite
Type: Submersible H.P. 3/4

(8) WATER LEVELS: Land-surface elevation above mean sea level ..... ft.
Static level 140 ft. below top of well Date 1/16/79
Artesian pressure ..... lbs. per square inch Date .....
Artesian water is controlled by ..... (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes [X] No [ ] If yes, by whom? Driller
Yield: gal./min. with ft. drawdown after hrs.
" " " "
" 15 " 9 " 3 "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test .....
Bailer test 21 gal./min. with ..... ft. drawdown after ..... hrs.
Artesian flow ..... g.p.m. Date .....
Temperature of water ..... Was a chemical analysis made? Yes [ ] No [X]

(10) WELL LOG:

Formation: *Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.*

MATERIAL		FROM	TO
Top soil		0	2
Hard pan & rocks	Tan	2	28
Clay & rocks	Blue	28	40
Clay	"	40	108
Clay & peat	Brown	108	114
Clay	Green	114	122
Clay	Blue	122	128
Sand & clay	Black	128	130
Clay	Black	130	142
Sand dirty	"	142	144
Clay	Blue	144	165
Sand & gravel		165	174

Work started Dec. 22, 19 78 Completed Jan. 16, 19 79

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME CRABTREE DRILLING CO.
(Person, firm, or corporation) (Type or print)

Address 23349 Eglon Rd. N.E. Kingston

[Signed] Jerry Carter
(Well Driller)

License No. 0082 Date Jan. 21, 19 79

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

25/62 - 1 S F

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT
STATE OF WASHINGTON

Application No.
Permit No.

(1) OWNER: Name CHARLIE CHRISTENSON Address

(2) LOCATION OF WELL: County KITSAP SE ¼ NW ¼ Sec. 33 T. 25 N., R. 2E W.M.
Bearing and distance from section or subdivision corner

(3) PROPOSED USE: Domestic [X] Industrial [ ] Municipal [ ] Irrigation [ ] Test Well [ ] Other [ ]

(4) TYPE OF WORK: Owner's number of well (if more than one)
New well [X] Method: Dug [ ] Bored [ ]
Deepened [ ] Cable [X] Driven [ ]
Reconditioned [ ] Rotary [ ] Jetted [ ]

(5) DIMENSIONS: Diameter of well 6 inches.
Drilled 242 ft. Depth of completed well 242 ft.

(6) CONSTRUCTION DETAILS:
Casing installed: 6 " Diam. from 0 ft. to 238 ft.
Threaded [ ] " Diam. from ft. to ft.
Welded [ ] " Diam. from ft. to ft.

Perforations: Yes [ ] No [X]
Type of perforator used
SIZE of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

Screens: Yes [X] No [ ] JOHNSON
Manufacturer's Name
Type SS TELESCOPE Model No.
Diam. 6 Slot size 10 from 238 ft. to 242 ft.
Diam. Slot size from ft. to ft.

Gravel packed: Yes [ ] No [X] Size of gravel:
Gravel placed from ft. to ft.

Surface seal: Yes [X] No [ ] To what depth? 20 ft.
Material used in seal SODIUM BENTONITE
Did any strata contain unusable water? Yes [ ] No [X]
Type of water? Depth of strata
Method of sealing strata off

(7) PUMP: Manufacturer's Name FLINT & WALLING
Type: 4" SUBMERSIBLE H.P. 3/4

(8) WATER LEVELS: Land-surface elevation above mean sea level ft.
Static level 129' ft. below top of well Date 1/24/79
Artesian pressure lbs. per square inch Date
Artesian water is controlled by (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level BAIL
Was a pump test made? Yes [X] No [ ] If yes, by whom?
Yield: 8 gal./min. with 27 ft. drawdown after 3 hrs.
" " " "
" " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level
0	156	15MIN	130		
5MIN	140	18	129		
10MIN	133				

Date of test 1/29/79
Baller test 10 gal./min. with 26 ft. drawdown after 3 hrs.
Artesian flow g.p.m. Date 1/24/79
Temperature of water Was a chemical analysis made? Yes [ ] No [X]

(10) WELL LOG:
Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL	FROM	TO
0-2 TOPSOIL	0	2
SAND - BROWN	2	80
SANDY CLAY	80	90
SILT	90	210
CLAY	210	220
CLAY SANDY	220	238
SAND (WATER BEARING)	238	242

RECEIVED

Work started 1/4 19 79 Completed 1/25 19 79

WELL DRILLER'S STATEMENT:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME BACH DRILLING INC.
(Person, firm, or corporation) (Type or print)
Address P.O. BOX 10452 BAINBRIDGE ISL
[Signed] George Ivancich
(Well Driller)
License No. 599 Date 1/25 19 79

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

24/02 - 9N

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT
STATE OF WASHINGTON

Application No. .....
Permit No. .....

(1) OWNER: Name CLIFF DEISLER Address 2231 PONDEROSA DRIVE PORT ORCHARD, WA.

(2) LOCATION OF WELL: County KITSAP SW ¼ SW ¼ Sec. 9 T. 24 N., R. 1E W.M.

Bearing and distance from section or subdivision corner

(3) PROPOSED USE: Domestic [X] Industrial [ ] Municipal [ ] Irrigation [ ] Test Well [ ] Other [ ]

(4) TYPE OF WORK: Owner's number of well (if more than one) ....
New well [X] Method: Dug [ ] Bored [ ]
Deepened [ ] Cable [ ] Driven [ ]
Reconditioned [ ] Rotary [X] Jetted [ ]

(5) DIMENSIONS: Diameter of well 6 inches.
Drilled 223 ft. Depth of completed well 223 ft.

(6) CONSTRUCTION DETAILS:

Casing installed: 6 " STEEL Diam. from 0 ft. to 19 ft.
Threaded [ ] 4½ PVC Diam. from 9 ft. to 223 ft.
Welded [X] ..... " Diam. from ..... ft. to ..... ft.

Perforations: Yes [X] No [ ]
Type of perforator used 3/8" DRILL
SIZE of perforations 3/8" in. by ..... in.
[redacted] perforations from [redacted] ft. to ..... ft.
50 perforations from 160 ft. to 210 ft.
..... perforations from ..... ft. to ..... ft.

Screens: Yes [ ] No [X]
Manufacturer's Name .....
Type ..... Model No. .....
Diam. ..... Slot size ..... from ..... ft. to ..... ft.
Diam. ..... Slot size ..... from ..... ft. to ..... ft.

Gravel packed: Yes [ ] No [X] Size of gravel: .....
Gravel placed from ..... ft. to ..... ft.

Surface seal: Yes [X] No [ ] To what depth? 18 ft.
Material used in seal CEMENT & BENTONITE
Did any strata contain unusable water? Yes [ ] No [X]
Type of water? ..... Depth of strata .....
Method of sealing strata off .....

(7) PUMP: Manufacturer's Name .....
Type: ..... H.P. .....

(8) WATER LEVELS: Land-surface elevation above mean sea level .... ft.
Static level 21 ft. below top of well Date 11-22-83
Artesian pressure ..... lbs. per square inch Date .....
Artesian water is controlled by ..... (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes [ ] No [X] If yes, by whom? .....
Yield: ..... gal./min. with ..... ft. drawdown after ..... hrs.
" " " "
" " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test .....
AIR Bailer test 10 gal./min. with ..... ft. drawdown after 2 hrs.
LFT Artesian flow ..... g.p.m. Date .....
Temperature of water ..... Was a chemical analysis made? Yes [ ] No [X]

(10) WELL LOG:

Formation: *Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.*

MATERIAL	FROM	TO
TOP SOIL	0	2
BROWN HARD CLAY WITH	2	
SOME GRAVEL		11
GRAY SHALE	11	160
GRAY CONGLOMERATED	160	
SHALE WITH FRATURES WB		223
160'-165' 1 GPM		
180'-182' 2 GPM		
202-210 7 GPM		

RECEIVED
JAN 23 1984
DEPARTMENT OF ECOLOGY
NORTHWEST REGIONAL OFFICE

Work started 11-21-, 1983. Completed 11-22-, 1983

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME STOICAN DRILLING CO., INC. (Person, firm, or corporation) (Type or print)
Address PORT ORCHARD, WA. 98366
[Signed] BOB STOICA BY [signature] (Well Driller)
License No. 0868 Date 12-2-, 1983

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

24/02-4N

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT
STATE OF WASHINGTON

Application No. .....
Permit No. .....

(1) OWNER: Name CAROLYN GANGMARK Address 255 BJUNE DR SE BAINB. IS. 98110

(2) LOCATION OF WELL: County KITSAP SW 1/4 SW 1/4 SW 1/4 Sec. 4 T. 24 N., R. 2E W.M.

Bearing and distance from section or subdivision corner

(3) PROPOSED USE: Domestic ☑ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

(4) TYPE OF WORK: Owner's number of well (if more than one) .....
New well ☑ Method: Dug ☐ Bored ☐
Deepened ☐ Cable ☐ Driven ☐
Reconditioned ☐ Rotary ☐ Jetted ☐

(5) DIMENSIONS: Diameter of well 6 inches.
Drilled 80 ft. Depth of completed well 80 ft.

(6) CONSTRUCTION DETAILS:
Casing installed: 6 " Diam. from 0 ft. to 76 ft.
Threaded ☐ " Diam. from ft. to ft.
Welded ☑ " Diam. from ft. to ft.

Perforations: Yes ☐ No ☑
Type of perforator used .....
SIZE of perforations ..... in. by ..... in.
..... perforations from ..... ft. to ..... ft.
..... perforations from ..... ft. to ..... ft.
..... perforations from ..... ft. to ..... ft.

Screens: Yes ☑ No ☐ JOHNSON
Manufacturer's Name .....
Type STAINLESS Model No. .....
Diam. 6" Slot size ..... from ..... ft. to ..... ft.
Diam. 5" Slot size 12 from 76 ft. to 80 ft.

Gravel packed: Yes ☐ No ☑ Size of gravel: .....
Gravel placed from ..... ft. to ..... ft.

Surface seal: Yes ☑ No ☐ To what depth? 18 ft.
Material used in seal BENTONITE
Did any strata contain unusable water? Yes ☐ No ☑
Type of water? ..... Depth of strata .....
Method of sealing strata off .....

(7) PUMP: Manufacturer's Name WEBTROL
Type: SUBMERSIBLE H.P. 1/2

(8) WATER LEVELS: Land-surface elevation above mean sea level ..... ft.
Static level 54 ft. below top of well Date 9-4-84
Artesian pressure ..... lbs. per square inch Date .....
Artesian water is controlled by ..... (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level DRILLER
Was a pump test made? Yes ☑ No ☐ If yes, by whom?
Yield: 10 gal./min. with 16 ft. drawdown after 4 hrs.
" " " "
" " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test .....
Bailer test 7 gal./min. with 7 ft. drawdown after 4 hrs.
Artesian flow ..... g.p.m. Date .....
Temperature of water ..... Was a chemical analysis made? Yes ☐ No ☑

(10) WELL LOG:

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL	FROM	TO
COMPACT SAND + GRAVEL BROWN - FIRM	0	16
CLAY + GRAVEL - BROWN	16	20
COURSE SAND - BROWN	20	25
COMPACT SAND + GRAVEL BROWN - FIRM	25	60
COMPACT SAND + GRAVEL GRAY - FIRM	60	69
FINE SAND - BROWN	69	74
COURSE WATER SAND BROWN	74	

RECEIVED
DEPT. OF ECOLOGY
OCT 1 1984

Work started 8-29, 19 84 Completed 9-4, 19 84

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME McCoy Drilling & Well Dev. Co.
(Person, firm, or corporation) (Type or print)

Address 2401 S BAYVIEW SEATTLE 98144

[Signed] Paul D McCoy
(Well Driller)

License No. 0294 Date 9-4, 19 84

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

File Original and First Copy with the Division of Water Resources
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT

STATE OF WASHINGTON

Application No. 26/02-21N

Permit No. .....

(1) OWNER: Name Chief Seattle Properties, Inc Address 206 Pacific Nat'l. Bank Bldg. Bellevue Wn.

(2) LOCATION OF WELL: County Kitsap SW ¼ SW ¼ Sec. 21 T. 26 N., R. 2 W.M.

Bearing and distance from section or subdivision corner

(3) PROPOSED USE: Domestic ☐ Industrial ☐ Municipal ☒
Irrigation ☐ Test Well ☐ Other ☐

(4) TYPE OF WORK: Owner's number of well (if more than one) ....
New well ☒ Method: Dug ☐ Bored ☐
Deepened ☐ Cable ☐ Driven ☐
Reconditioned ☐ Rotary ☐ Jetted ☐

(5) DIMENSIONS: Diameter of well 8 inches.
Drilled 280 ft. Depth of completed well 270 ft.

(6) CONSTRUCTION DETAILS:

Casing installed: 8 " Diam. from 0 ft. to 270 ft.
Threaded ☐ ..." Diam. from ... ft. to ... ft.
Welded ☒ ..." Diam. from ... ft. to ... ft.

Perforations: Yes ☐ No ☒
Type of perforator used ...
SIZE of perforations ... in. by ... in.
... perforations from ... ft. to ... ft.
... perforations from ... ft. to ... ft.
... perforations from ... ft. to ... ft.

Screens: Yes ☒ No ☐
Manufacturer's Name Cook S.S.
Type S.S. Model No ...
Diam. 7 5/8 Slot size 12 from 265 ft. to 270 ft.
Diam. ... Slot size 17 from 260 ft. to 265 ft.

Gravel packed: Yes ☐ No ☒ Size of gravel: ...
Gravel placed from ... ft. to ... ft.

Surface seal: Yes ☒ No ☐ To what depth? 10 ft.
Material used in seal Cement
Did any strata contain unusable water? Yes ☐ No ☒
Type of water? ... Depth of strata ...
Method of sealing strata off ...

(7) PUMP: Manufacturer's Name Sta-Rite
Type: Same Submersible H.P. 3

(8) WATER LEVELS: Land-surface elevation above mean sea level .... 130 ft.
Static level 54 ft. below top of well Date 9-26-68
Artesian pressure ... lbs. per square inch Date ...
Artesian water is controlled by ... (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☒ No ☐ If yes, by whom? Driller
Yield: 75 gal./min. with 37 ft. drawdown after 17 hrs.
" " " "
" " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level
8:30	91	8:35	70	8:45	60

Date of test 9-26-68
Baller test ... gal./min. with ... ft. drawdown after ... hrs.
Artesian flow ... g.p.m. Date ...
Temperature of water ... Was a chemical analysis made? Yes ☐ No ☒ Not yet

(10) WELL LOG:

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL	FROM	TO
Top Soil	0	2
Brown sandy hardpan	2	17
Gray hardpan	17	55
Silty clay	55	140
Compact clay	140	150
Silt	150	170
Silty Clay	170	197
Silty Sand	197	214
Fine Sand	214	223
Silty Clay	223	255
Sand and Gravel. Water	255	270
Fine sand (silty)	270	280

Work started 8-24 19 68 Completed 9-27 19 68

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME Burt Well Drilling (Person, firm, or corporation) (Type or print)

Address Route 1, Box 283 Poulsbo, Wash.

[Signed] George D. Burt (Well Driller)

License No. 223 02 6084 Date 9-30 19 68

(USE ADDITIONAL SHEETS IF NECESSARY)

S. F. No. 7356—(Rev. 2-66)—2-66—5M. 4516.

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

not in use AAA 718 T26N/R02E-21L

Water Resources — Owner's Copy — Driller's Copy

WATER WELL REPORT

STATE OF WASHINGTON

Permit No. .....

SUQUAMISH SHORES

OWNER: Name Colby Seattle Investors Address 806 Pacific Nat'l Bank Bldg. Bellev

LOCATION OF WELL: County Kitsap NE ¼ SW ¼ Sec 21L T 26 N., R 02E W.M. Wn

g and distance from section or subdivision corner South & Division

(3) PROPOSED USE: Domestic ☐ Industrial ☐ Municipal ☒
Irrigation ☐ Test Well ☐ Other ☐

(4) TYPE OF WORK: Owner's number of well (if more than one) .....
New well ☒ Method: Dug ☐ Bored ☐
Deepened ☐ Cable ☐ Driven ☐
Reconditioned ☐ Rotary ☐ Jetted ☐

(5) DIMENSIONS: Diameter of well 8 inches.
Drilled 280 ft. Depth of completed well 270 ft.

(6) CONSTRUCTION DETAILS:
Casing installed: 8 " Diam. from 0 ft. to 270 ft
Threaded ☐ " Diam. from ft. to ft.
Welded ☒ " Diam. from ft. to ft.

Perforations: Yes ☐ No ☒
Type of perforator used .....
SIZE of perforations ..... in. by ..... in.
..... perforations from ft. to ft.
..... perforations from ft. to ft.
..... perforations from ft. to ft.

Screens: Yes ☒ No ☐
Manufacturer's Name Cook's S.S.
Type S.S. Model No.
Diam. 7 5/8 Slot size 12 from 265 ft. to 270 ft
Diam. ..... Slot size 12 from 260 ft. to 265 ft

Gravel packed: Yes ☐ No ☒ Size of gravel .....
Gravel placed from ft. to ft.

Surface seal: Yes ☒ No ☐ To what depth? 10 ft.
Material used in seal Cement
Did any strata contain unusable water? Yes ☐ No ☒
Type of water? Depth of strata .....
Method of sealing strata off .....

(7) PUMP: Manufacturer's Name Sta-Rite
Type: Model Submersible H.P. 3

(8) WATER LEVELS: Land surface elevation above mean sea level 128 ft.
Static level 54 ft. below top of well Date 9-5-68
Artesian pressure ..... lbs. per square inch. Date .....
Artesian water is controlled by ..... (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☒ No ☐ If yes, by whom? Driller
Yield: 75 gal./min. with 37 ft. drawdown after 1 hrs

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level
8:30	91	8:35	70	8:45	60

Date of test 9-26-68
Bailer test ..... gal./min. with ..... ft. drawdown after ..... hrs.
Artesian flow ..... g.p.m. Date .....
Temperature of water ..... Was a chemical analysis made? Yes ☐ No ☒ Not yet

(10) WELL LOG:
Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL	FROM	TO
Top Soil	0	2
Brown sandy Hardpan	2	17
Gray hardpan	17	55
Silty clay	55	140
Compact clay	140	150
Silt	150	170
Silty Clay	170	197
Silty Sand	197	214
Fine sand	214	223
Silty Clay	223	255
Sand and Gravel Water	255	270
Fine sand (silty)	270	280

ELEV = +132 TO +142 MSL

KPUD ALTIMETER 9/20/92

Work started 2-24 19 68 Completed 9-27 19 68

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME Burt Well Drilling (Person, firm, or corporation) (Type or print)

Address Route 1, Box 283 Poulsbo, Wash.

[Signed] ..... (Well Driller)

License No. 223 02 6084 Date 9-30 19 68

(USE ADDITIONAL SHEETS IF NECESSARY)

S. F. No. 1156—(Rev. 2-68)—2-68—6M. 4516.

AAA 718

of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

STATE OF WASHINGTON
DEPARTMENT OF CONSERVATION
DIVISION OF WATER RESOURCES

GWP-8302

25/25-27M4

WELL LOG

Record by Driller
Source Driller's Record

Location: State of WASHINGTON
County Kitsap
Area
Map
SW ¼ NW ¼ sec 27 T. 25 N., R. 2 E. W.

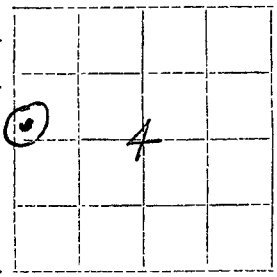

Diagram of Section

Drilling Co. Story-Armstrong Co.
Address Puyallup
Method of Drilling Cable Date 7/20-8/5, 1971
Owner Town of Winslow
Address
Land surface, datum 20 ft. above ~~below~~ Sea Level
SWL: +10 Date Aug, 1971 Dims.: 12" X 130'

Correlation	Material	From (feet)	To (feet)
	Sand	0	14
	Sand, Gravel, Some Clay	14	31
	Sand & Gravel (Aquifer for nearby shallow well - water table aquifer)	31	41
	Sand, Gravel, Some Clay	41	61
	Clay, Gray	61	87
	Clay, Gray w/thin seams of sand and Gravel	87	116
	Silt, Brown	116	119
	Sand, Fine to Medium Dark Pumice - artesian aquifer	119	130
	Silt, Brown	130	144
	Continued		

(Transcribe driller's terminology literally but paraphrase as necessary, in parentheses. If material water-bearing, so state and record static level if reported. Give depths in feet below land-surface datum unless otherwise indicated. Correlate with stratigraphic column, if feasible. Following log of materials, list all casings, perforations, screens, etc.)

Turn up

Sheet ..... of ..... sheets

Story - Armstrong Co.

WELL LOG.—Continued No. 25 /2E -27E

CORRELATION	MATERIAL	From (feet)	To (feet)
	Depth forward	———	
	Casing: 16" from 0 to 85'		
	12" from 0 to 118'		
	9" from 72' to 120'		
	Screens: Cook, Stainless, 8'	Diam.,	Size
	20 from 130' to 120'		
	Pump: Sta-Rite, Submersible,	7 1/2	HP
	Well Test" 215 gpm, 72' DD,	2 Hr.	
	Artesian Flow: 23 g.p.m.		

S. F. No. 7449—OS—12-65.

of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT

STATE OF WASHINGTON

25-02/276 Application No.

Permit No. None

(1) OWNER: Name Charles Leaf Address 698 Beaver Rd. 2 E, Bainbridge

(2) LOCATION OF WELL: County Kitsap SW¼ - SW¼ NE¼ Sec. 27 T. 25 N., R. 2 E. W.M.

Bearing and distance from section or subdivision corner

(3) PROPOSED USE: Domestic [X] Industrial [ ] Municipal [ ]
Irrigation [ ] Test Well [ ] Other [ ]

(4) TYPE OF WORK: Owner's number of well (if more than one)
New well [X] Method: Dug [ ] Bored [ ]
Deepened [ ] Cable [X] Driven [ ]
Reconditioned [ ] Rotary [ ] Jetted [ ]

(5) DIMENSIONS: Diameter of well 6 inches.
Drilled 91 ft. Depth of completed well 91 ft.

(6) CONSTRUCTION DETAILS:
Casing installed: 6 " Diam. from 0 ft. to 86 ft.
Threaded [ ] " Diam. from ft. to ft.
Welded [X] " Diam. from ft. to ft.

Perforations: Yes [ ] No [X]
Type of perforator used
SIZE of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

Screens: Yes [X] No [ ]
Manufacturer's Name Johnson
Type Stainless Model No.
Diam. 6 Slot size 12 from 86 ft. to 91 ft.
Diam. Slot size from ft. to ft.

Gravel packed: Yes [ ] No [X] Size of gravel:
Gravel placed from ft. to ft.

Surface seal: Yes [X] No [ ] To what depth? 20 ft.
Material used in seal Cement grout
Did any strata contain unusable water? Yes [ ] No [X]
Type of water? Depth of strata
Method of sealing strata off

(7) PUMP: Manufacturer's Name Sta-Rite
Type: Jet H.P. ½

(8) WATER LEVELS: Land-surface elevation above mean sea level 100 ft.
Static level + 6" ft. below top of well Date 9/23/76
Artesian pressure lbs. per square inch Date
Artesian water is controlled by (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes [X] No [ ] If yes, by whom? Driller
Yield: 17 gal./min. with 62 ft. drawdown after 2 hrs.
" " " "
" " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test
Bailer test 16 gal./min. with ft. drawdown after hrs.
Artesian flow g.p.m. Date
Temperature of water Was a chemical analysis made? Yes [ ] No [X]

(10) WELL LOG:

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL	FROM	TO
Top soil	0	1
Yellow hard pan	1	9
Grey hard pan	9	16
Blue hard pan	16	66
Cemented hard gravel	66	85
Hard gravel & water	85	89
Fine sand & water	89	91

Work started 9-15, 19 76 Completed 9-26, 19 76

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME CRABTREE DRILLING CO
(Person, firm, or corporation) (Type or print)

Address 33349 Eglon Rd. N.E., Kingston

[Signed] Jerry Crabtree
(Well Driller)

License No. 223-02 Date Oct. 2, 19 76

(USE ADDITIONAL SHEETS IF NECESSARY)

S. F. No. 7356—OS—(Rev. 4-71).

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

File Original and First Copy with Department of Ecology
Second Copy—Owner's Copy
Third Copy—Driller's Copy

WATER WELL REPORT

STATE OF WASHINGTON

Start Card No. 40035
Unique I.D. # AAB979
Water Right Permit No. 26/2E/33 L

(1) OWNER: Name Cliff McKenzie Address 12715 Miller Rd. N.E. Bainbridge Isl.

(2) LOCATION OF WELL: County Kitsap NE ¼ SW ¼ Sec. 33 T. 26N. R. 2E W.M.

(2a) STREET ADDDRESS OF WELL (or nearest address) Henderson Rd.

(3) PROPOSED USE: ☒ Domestic ☐ Industrial ☐ Municipal ☐ ☐ Irrigation ☐ Test Well ☐ Other ☐ ☐ DeWater

(4) TYPE OF WORK: Owner's number of well (if more than one) _____
Abandoned ☐ New well ☒ Method: Dug ☐ Bored ☐ Deepened ☐ Cable ☒ Driven ☐ Reconditioned ☐ Rotary ☒ Jetted ☐

(5) DIMENSIONS: Diameter of well 5 X 6 inches. Drilled 365 feet. Depth of completed well 365 ft.

(6) CONSTRUCTION DETAILS:
Casing Installed: 6" Diam. from 0 ft. to ~~365~~ 332 ft.
Welded ☒ Liner installed ☐ Threaded ☐ 5" Diam. from 0 ft. to 365 ft.
_____" Diam. from _____ ft. to _____ ft.

Perforations: Yes ☐ No ☒
Type of perforator used _____
SIZE of perforations _____ in. by _____ in.
_____ perforations from _____ ft. to _____ ft.
_____ perforations from _____ ft. to _____ ft.
_____ perforations from _____ ft. to _____ ft.

Screens: Yes ☒ No ☐
Manufacturer's Name Johnson
Type Stainless Steel Model No. _____
Diam. 6" Slot size #4 from 355 ft. to 365 ft.
Diam. _____ Slot size _____ from _____ ft. to _____ ft.

Gravel packed: Yes ☐ No ☒ Size of gravel _____
Gravel placed from _____ ft. to _____ ft.

Surface seal: Yes ☒ No ☐ To what depth? 22 ft.
Material used in seal Bentonite
Did any strata contain unusable water? Yes ☐ No ☐
Type of water? _____ Depth of strata _____
Method of sealing strata off _____

(7) PUMP: Manufacturer's Name Goulds
Type: Submersible H.P. 1½

(8) WATER LEVELS: Land-surface elevation above mean sea level _____
Static level 164 ft. below top of well Date 11-30-93
Artesian pressure _____ lbs. per square inch Date _____
Artesian water is controlled by _____ (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☒ No ☐ If yes, by whom? Driller
Yield: 9 gal./min. with 172 ft. drawdown after 2½ hrs.
" " " "
" " " "
Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test _____
Bailer test _____ gal./min. with _____ ft. drawdown after _____ hrs.
Airlift _____ gal./min. with stem set at _____ ft. for _____ hrs.
Artesian flow _____ g.p.m. Date _____
Temperature of water _____ Was a chemical analysis made? Yes ☒ No ☐

(10) WELL LOG or ABANDONMENT PROCEDURE DESCRIPTION

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of information.

MATERIAL	FROM	TO
Gravelly Top Soil	0	5
Brn. Clay w/gravel	5	18
Sand, gravel & Blue clay	18	60
Fine Sand, w/clay	60	89
Blue Clay	89	130
Sandy Blue clay	130	134
Sand & Gravel	134	156
Blue clay	156	120
Sand, gravel, clay	120	208
Sandy clay w/gravel	208	253
Fine Sandy clay	253	256
" " " Trace of H2O	256	269
Blue Clay	269	332
" "	332	353
Water, fine gray Sand	353	365

RECEIVED
DEC 15 1993
DEPT. OF ECOLOGY

Work started 10-29, 1993 Completed 11-29, 1993

WELL CONSTRUCTOR CERTIFICATION:

I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

NAME Burt Well Drilling, Inc. (PERSON, FIRM, OR CORPORATION) (TYPE OR PRINT)
Address 19782 N.E. Lincoln Rd. Poulsbo, Wa. 983
(Signed) George Burt (WELL DRILLER) License No. 0048
Contractor's Registration No. BURTWI*227BV Date 12-13, 1993

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20 (10/87) -1329-

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT
STATE OF WASHINGTON

Dwg 25/2-22R

Application No. G1-23678

Permit No. ....

(1) OWNER: Name BAINBRIDGE ISLAND SCHOOL DISTRICT #303 Address BAINBRIDGE ISLAND, WASHINGTON

(2) LOCATION OF WELL: County KITSAP — SE ¼ SE ¼ Sec. 26 T. 25 N., R. 2 E W.M.

Bearing and distance from section or subdivision corner 1300' WEST, 630' NORTH S.E. CORNER SEC. 22

(3) PROPOSED USE: Domestic ☐ Industrial ☐ Municipal ☒
Irrigation ☐ Test Well ☐ Other ☐

(4) TYPE OF WORK: Owner's number of well (if more than one) ....
New well ☒ Method: Dug ☐ Bored ☐
Deepened ☐ Cable ☒ Driven ☐
Reconditioned ☐ Rotary ☐ Jetted ☐

(5) DIMENSIONS: Diameter of well 12 inches.
Drilled 380 ft. Depth of completed well 264 ft.

(6) CONSTRUCTION DETAILS:

Casing installed: 12 " Diam. from 0 ft. to 191 ft.
Threaded ☐ " Diam. from ft. to ft.
Welded ☒ " Diam. from ft. to ft.

Perforations: Yes ☐ No ☒
Type of perforator used
SIZE of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

Screens: Yes ☒ No ☐
Manufacturer's Name JOHNSON
Type 304 STAINLESS Model No.
Diam. 6" Slot size 23 from 191 ft. to 211 ft.
Diam. 6" Slot size 23 from 240 ft. to 250 ft.

Gravel packed: Yes ☒ No ☐ Size of ~~gravel~~ SAND: #1-1½
Gravel placed from 145 ft. to 264 ft.

Surface seal: Yes ☒ No ☐ To what depth? 20 ft.
Material used in seal CEMENT GROUT
Did any strata contain unusable water? Yes ☐ No ☒
Type of water? Depth of strata
Method of sealing strata off

(7) PUMP: Manufacturer's Name
Type: H.P.

(8) WATER LEVELS: Land-surface elevation above mean sea level .... ft.
Static level 129.5 ft. below top of well Date 9/9/80
Artesian pressure lbs. per square inch Date
Artesian water is controlled by (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level ROBINSON
Was a pump test made? Yes ☒ No ☐ If yes, by whom? NOBLE, CARR
Yield: 100 gal./min. with 25.5 ft. drawdown after 4 hrs.
" " " "
" " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test 9/9/80
Bailer test gal./min. with ft. drawdown after hrs.
Artesian flow g.p.m. Date
Temperature of water Was a chemical analysis made? Yes ☒ No ☐

(10) WELL LOG:

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL	FROM	TO
FILL	0	6
CLAY, SANDY, BROWN	6	30
SAND AND CLAY, BLUE	30	38
LAYER OF FINE SAND, BROWN,	38	48
CLAY, SANDY, BLUE	48	100
SAND AND GRAVEL, CLAY BOUND, GRAY	100	120
SAND AND GRAVEL, CLAY BINDER, NO WATER	120	151
SAND, FINE TO MED. W/SOME COARSE SAND AND ACC. GRAVEL	151	165
SAND F. TO M., GRAY-BROWN, DIRTY. SAND GRADES TO V. FINE TO MED. AND DIRTIER WITH DEPTH	165	270
CLAY, GRAY OR CLAYEY SILT SLIGHTLY SANDY AT DEPTH	270	350
SILT, SANDY, CLAYEY, GRAY WITH PEAT, SILTY PEAT AND PEATY SILT	350	361
SILT SANDY, FINE AND SAND, VERY FINE, SILTY	361	380

RECEIVED
OCT 17 1980
DEPT. OF ECOLOGY

RECEIVED
OCT 14 1980
AEHLE, THURMAN, & deMERS, INC., P.S.

Work started AUG. 18, 1980 Completed SEPT. 9, 1980

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME ARMSTRONG DRILLING INC.
(Person, firm, or corporation) (Type or print)

Address PUYALLUP, WASH.

[Signed] Martin B. Selbu (GEOLOGIST) (Well Driller)

License No. 0012 Date 10-10 1980

PREPARED BY
ROBINSON, NOBLE & CARR, INC.
5915 Orchard St. W.
Tacoma, Wash. 98467

(USE ADDITIONAL SHEETS IF NECESSARY)

S. F. No. 7356—OS—(Rev. 4-71).

The Department of Ecology does NOT Warrant the Data and/or the Information on this Well Report.

of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

STATE OF WASHINGTON
DEPARTMENT OF CONSERVATION

WELL SCHEDULE No 25/2E-26P1

Date _____ 19____

Record by DM

Source _____

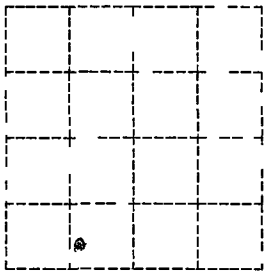
DIAGRAM OF SECTION

Location State of WASHINGTON
County Kitsap
Area _____
Map _____
____¼ ____¼ sec ____T ____N R ____E W
Details Plugged 57 580

Owner Comm. Ship Repair (His No ____)
Address _____
Driller Johnson Address _____

Topography _____
Land surface datum 10 ft above below _____
Type Dug Drilled Driven *Depth* Rept 761 feet
Bored Jetted Meas _____ feet
Date _____ 1933
Casing Diam 8/45 to ____ in ft Type _____
Depth _____ ft Finish _____
Chief aquifer _____ Depth _____ ft Thick _____ ft
Water level Rept Meas 510.5 ft 11-4 1949 above below _____
_____ which is _____ ft above below datum
Pump Type _____ Capacity Size _____ gal min _____
Driven by _____ horsepower _____
Yield Flow _____ gal min Pump 300 gal min Meas Rept Est
Drawdown _____ ft after _____ hours pumping _____ gal min
Adequacy permanence _____
Use Dom Stock PS RR Ind Irr Obs _____
Quality Sample No _____ _____ 19____ Temp _____ F
Taste color hardness sanitation etc _____

Other data Log Water levels Draft Pump test Analyses _____

Turn up S 59

of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

WELL SCHEDULE CONTINUED

LOGS CASINGS SCREENS AQUIFERS

(As neces a y nsert head ngs and use space below for full record Complete logs should be recorded on sep r te form for th t purpose but fragmentary logs may be entered here)

	(FEET)	(FEET)
Hp, Bldrs	0	22
Cem G		40
Hd G		83
Bldrs		100
Shale		155
Bl Cl		250
White Hp		270
Hd Cl		285
Bl Cl		345
Slt, Bldrs		380
Hd Bldrs		402
Bl Cl Bldrs		475
Gray Shale		518
" " Bldrs		556
" " wb at 570		605
Cl		643
G, loose		649
Shale		682

MISCELLANEOUS

(On face of schedule add ast r sks to i l ntify top cs ampl fied u e same top c h d ng here)

Bl Cl, Bldrs	702
fine G	716
Slt G rock	727
G & course S wb	761

REM T N RAND 20 SP 1553

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

WATER WELL REPORT

STATE OF WASHINGTON

Start Card No. W053490
Unique Well I.D. # AAC191
Water Right Permit No.

(1) OWNER: Name COBLE / REIJNEN Address 490 MADISON AVE N # 101 BAINBRIDGE IS., WA 98110-

(2) LOCATION OF WELL: County KITSAP - SE 1/4 NE 1/4 Sec 28 T 25 N., R 2E WM
(2a) STREET ADDRESS OF WELL (or nearest address) WESTERLY RD 1/4 MI. ON L., BAINBRIDGE IS. 25-2E-28H

(3) PROPOSED USE: DOMESTIC

(4) TYPE OF WORK: Owner's Number of well (If more than one)
NEW WELL Method: ROTARY

(5) DIMENSIONS: Diameter of well 6 inches
Drilled 63.5 ft. Depth of completed well 63.5 ft.

(6) CONSTRUCTION DETAILS:
Casing installed: 6 " Dia. from 0 ft. to 54 ft.
WELDED " Dia. from ft. to ft.
" Dia. from ft. to ft.

Perforations: NO
Type of perforator used
SIZE of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

Screens: YES
Manufacturer's Name HOUSTON
Type STAINLESS Model No.
Diam. 5 slot size 10 from 53.5 ft. to 58.5 ft.
Diam. 5 slot size 12 from 58.5 ft. to 63.5 ft.

Gravel packed: NO Size of gravel
Gravel placed from ft. to ft.

Surface seal: YES To what depth? 18 ft.
Material used in seal BENTONITE
Did any strata contain unusable water? NO
Type of water? Depth of strata ft.
Method of sealing strata off

(7) PUMP: Manufacturer's Name STA-RITE
Type SUBMERSIBLE H.P. 1/2

(8) WATER LEVELS: Land-surface elevation above mean sea level ... ft.
Static level 34.7 ft. below top of well Date 07/25/97
Artesian Pressure lbs. per square inch Date
Artesian water controlled by

(9) WELL TESTS: Drawdown is amount water level is lowered below static level.
Was a pump test made? NO If yes, by whom?
Yield: gal./min with ft. drawdown after hrs.

Recovery data

Time	Water Level	Time	Water Level	Time	Water Level

Date of test / /
Bailer test 5 gal/min. ft. drawdown after .25 hrs.
Air test 6 gal/min. w/ stem set at 50 ft. for .25 hrs.
Artesian flow g.p.m. Date
Temperature of water Was a chemical analysis made? NO

(10) WELL LOG

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change in formation.

MATERIAL	FROM	TO
BROWN SANDY CLAY & GRAVEL	0	20
BROWN CEMENTED GRAVEL	20	52.5
BROWN DIRTY SAND & GRAVEL	52.5	63.5
	63.5	

RECEIVED
SEP 02 1999
DEPT OF ECOLOGY

Work started 07/16/97 Completed 07/16/97

WELL CONSTRUCTOR CERTIFICATION:
I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

NAME DUCKWORTH PUMP & DRILLING
(Person, firm, or corporation) (Type or print)

ADDRESS 18365 DIAMOND DRIVE NE

[SIGNED] Donald D. Duckworth Washington 98148 1147

Contractor's
Registration No. DUCKWPW148CJ Date 08/18/97

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

ENTERED

WATER WELL REPORT

STATE OF WASHINGTON

Start Card No. W053490
Unique Well I.D. # AAC191
Water Right Permit No.

(1) OWNER: Name COBLE / REIJNEN Address 490 MADISON AVE N # 101 BAINBRIDGE IS., WA 98110-

(2) LOCATION OF WELL: County KITSAP - SE 1/4 NE 1/4 Sec 28 T 25 N., R 2E WM
(2a) STREET ADDRESS OF WELL (or nearest address) WESTERLY RD 1/4 MI. ON L., BAINBRIDGE IS. 25-2E-28H

(3) PROPOSED USE: DOMESTIC

(4) TYPE OF WORK: Owner's Number of well (If more than one)
NEW WELL Method: ROTARY

(5) DIMENSIONS: Diameter of well 6 inches
Drilled 63.5 ft. Depth of completed well 63.5 ft.

(6) CONSTRUCTION DETAILS:
Casing installed: 6 " Dia. from 0 ft. to 54 ft.
WELDED " Dia. from ft. to ft.
" Dia. from ft. to ft.

Perforations: NO
Type of perforator used
SIZE of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

Screens: YES
Manufacturer's Name HOUSTON
Type STAINLESS Model No.
Diam. 5 slot size 10 from 53.5 ft. to 58.5 ft.
Diam. 5 slot size 12 from 58.5 ft. to 63.5 ft.

Gravel packed: NO Size of gravel
Gravel placed from ft. to ft.

Surface seal: YES To what depth? 18 ft.
Material used in seal BENTONITE
Did any strata contain unusable water? NO
Type of water? Depth of strata ft.
Method of sealing strata off

(7) PUMP: Manufacturer's Name STA-RITE
Type SUBMERSIBLE H.P. 1/2

(8) WATER LEVELS: Land-surface elevation above mean sea level ... ft.
Static level 34.7 ft. below top of well Date 07/25/97
Artesian Pressure lbs. per square inch Date
Artesian water controlled by

(9) WELL TESTS: Drawdown is amount water level is lowered below static level.
Was a pump test made? NO If yes, by whom?
Yield: gal./min with ft. drawdown after hrs.

Recovery data

Time	Water Level	Time	Water Level	Time	Water Level

Date of test / /
Bailer test 5 gal/min. ft. drawdown after .25 hrs.
Air test 6 gal/min. w/ stem set at 50 ft. for .25 hrs.
Artesian flow g.p.m. Date
Temperature of water Was a chemical analysis made? NO

(10) WELL LOG

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change in formation.

MATERIAL	FROM	TO
BROWN SANDY CLAY & GRAVEL	0	20
BROWN CEMENTED GRAVEL	20	52.5
BROWN DIRTY SAND & GRAVEL	52.5	63.5
	63.5	

RECEIVED
DEC 7 1999
NWRO-WR
DEPT OF ECOLOGY

Work started 07/16/97 Completed 07/16/97

WELL CONSTRUCTOR CERTIFICATION:
I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

NAME DUCKWORTH PUMP & DRILLING
(Person, firm, or corporation) (Type or print)

ADDRESS 18365 DIAMOND DRIVE NE

[SIGNED] Donald D. Duckworth Washington 1148 1147

Contractor's
Registration No. DUCKWPW148CJ Date 08/18/97

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

File Original and First Copy with Department of Ecology
Second Copy -- Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT
STATE OF WASHINGTON

2-/a -35K
Application No.
Permit No.

(1) OWNER: Name Mr. Charles Stafford Address 5705 Ward Ave. N.E., Bainbridge Island

(2) LOCATION OF WELL: County Kitsap — NW ¼ SE ¼ Sec 35 T 25 N., R 2E W.M.

Bearing and distance from section or subdivision corner

(3) PROPOSED USE: Domestic XX Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

(4) TYPE OF WORK: Owner's number of well (if more than one)
New well XX Method: Dug ☐ Bored ☐
Deepened ☐ Cable XX Driven ☐
Reconditioned ☐ Rotary ☐ Jetted ☐

(5) DIMENSIONS: Diameter of well 6 inches.
Drilled 118 ft. Depth of completed well 118 ft.

(6) CONSTRUCTION DETAILS:

Casing installed: 6 " Diam. from 0 ft. to 118 ft.
Threaded ☐ " Diam. from ft. to ft.
Welded XX " Diam. from ft. to ft.

Perforations: Yes ☐ No XX
Type of perforator used
SIZE of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

Screens: Yes XX No ☐
Manufacturer's Name Johnson
Type Stainless steel Model No.
Diam. 6 Slot size 10 from 108 ft. to 113 ft.
Diam. 6 Slot size 12 from 113 ft. to 118 ft.

Gravel packed: Yes ☐ No XX Size of gravel
Gravel placed from ft. to ft.

Surface seal: Yes XX No ☐ To what depth? 18 ft.
Material used in seal Bentonite
Did any strata contain unusable water? Yes ☐ No XX
Type of water? Depth of strata
Method of sealing strata off

(7) PUMP: Manufacturer's Name None
Type H.P.

(8) WATER LEVELS: Land-surface elevation above mean sea level 60 ft.
Static level 89 ft. below top of well Date 5/2/83
Artesian pressure lbs. per square inch Date
Artesian water is controlled by (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☐ No XX If yes, by whom?
Yield: gal./min. with ft. drawdown after hrs.
" " " "
" " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test
Bailer test 16 gal./min. with 9 ft. drawdown after 2 hrs.
Artesian flow g.p.m. Date
Temperature of water 50 Was a chemical analysis made? Yes ☐ No XX

(10) WELL LOG:

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL	FROM	TO
Brown clay	0	20
Blue clay	20	39
Brown clay w/sand	39	108
Sand & H20	108	118

Work started 4/29, 19 83 Completed 5/2, 19 83

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME GRESHAM WELL DRILLING
(Person, firm, or corporation) (Type or print)

Address 3105 N.W. LAKENESS RD. POULSBO, 98370

[Signed] Craig L. Gresham
(Well Driller)

License No. 0761 Date May 3, 19 83

(USE ADDITIONAL SHEETS IF NECESSARY)

EGY 050-1-70

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT

STATE OF WASHINGTON

25/02-10C
Application No.

Permit No. None

(1) OWNER: Name Charles William Angell Address Rt 7 - Box 7906A Bainbridge Is, Wn

(2) LOCATION OF WELL: County Kitsap NE¼ NW¼ Sec. 10 T. 25 N., R. 2E W.M.

Bearing and distance from section or subdivision corner See Attached Sheet.

(3) PROPOSED USE: Domestic ☒ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

(4) TYPE OF WORK: Owner's number of well (if more than one)
New well ☒ Method: Dug ☐ Bored ☐
Deepened ☐ Cable ☐ Driven ☐
Reconditioned ☐ Rotary ☐ Jetted ☐

(5) DIMENSIONS: Diameter of well 6 inches.
Drilled 123 ft. Depth of completed well 123 ft.

(6) CONSTRUCTION DETAILS:

Casing installed: 6" Diam. from 0 ft. to 123 ft.
Threaded ☐ " Diam. from ft. to ft.
Welded ☒ " Diam. from ft. to ft.

Perforations: Yes ☐ No ☒
Type of perforator used
SIZE of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

Screens: Yes ☒ No ☐ Johnson
Manufacturer's Name
Type Stainless Steel Model No. 309
Diam. 6" Slot size 12 from 118 ft. to 123 ft.
Diam. Slot size from ft. to ft.

Gravel packed: Yes ☐ No ☒ Size of gravel:
Gravel placed from ft. to ft.

Surface seal: Yes ☒ No ☐ To what depth? 20 ft.
Material used in seal Bentonite
Did any strata contain unusable water? Yes ☐ No ☒
Type of water? Depth of strata
Method of sealing strata off

(7) PUMP: Manufacturer's Name Flint & Walling
Type: Submersible H.P. 1½

(8) WATER LEVELS: Land-surface elevation above mean sea level ft.
Static level 109 ft. below top of well Date 11-7-75
Artesian pressure lbs. per square inch Date
Artesian water is controlled by (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☐ No ☐ If yes, by whom?
Yield: gal./min. with ft. drawdown after hrs.
" " " "
" " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test
Bailer test 16 gal./min. with 0 ft. drawdown after 1½ hrs.
Artesian flow g.p.m. Date 11-7-75
Temperature of water Was a chemical analysis made? Yes ☐ No ☒

(10) WELL LOG:

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL	FROM	TO
Top Soil	0	5
Blue Hard pan	5	18
Brn. Sandy Clay	18	20
Blue Clay	20	22
Blue Sandy Clay	22	48
Brn. Hard pan	48	79
Blue Clay	79	89
Brn Hard pan	89	119
Sand & Gravel	119	123

Work started 10-31, 19 75 Completed 11-7, 19 75

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME Burt Well Drilling
(Person, firm, or corporation) (Type or print)

Address RT-1 Box 283 Poulsbo, Wn 98370

[Signed] George D. Burt
(Well Driller)

License No. 223-02-6084 Date 12-6, 19 75

(USE ADDITIONAL SHEETS IF NECESSARY)

S. F. No. 7356—OS—(Rev. 4-71).

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

PUD# 1006

WASHINGTON STATE DEPARTMENT OF ECOLOGY

UNIQUE WELL I D NUMBER A AA503
X Y Z 1 2 3

WELL TAGGING FORM

Date of Field Visit 6/9/92 By BA - PUD #1

RECORD VERIFICATION

☒ Well Report available *(please attach)*
☐ Well Report not available
☐ Verification inconclusive

WELL OWNERSHIP

Name Charles Angell

Street address 8825 NE Day Rd E

City Bainbridge Is State WA 98110

Is this information: ☒ Current, to the best of your knowledge
☐ Copied from the *Well Report*

LOCATION OF WELL

Well Address 8825 NE Day Rd E

City Bainbridge Is County Kitsap

T 25 N. R. 02E W M. Sec. 10C NE ¼ of the NW ¼

GPS Location Latitude 47 ° 40 ' 74 " PDOP 2.8
12 13 24
Longitude 122 ° 31 ' 99 " 9 9 9

Elevation at land surface 219 (feet) meters *(circle one)*

☒ Digital Altimeter
☐ Topographic Map
☐ Other

If unable to verify location with GPS equipment:

☐ Location marked on topographic map *(please attach if available)*

☐ Location marked on air photo *(please attach if available)*

Please attach this form to the Well Report and submit it to the Department of Ecology Regional Office in your area.

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

WELL CHARACTERISTICS

AAA503

Physical Description of Well (size of casing, type of well, housing, etc). drilled with 6" casing in covered concrete ~~pipe~~ culvert 3' diam

Location of Well Identification Tag: on casing 4" from top

Was Supplemental Tag needed for ease of identifying well?

☒ NO ☐ YES

If yes, where was tag placed? _____

Scale 1:24,000 (1"=2,000')

D	C	B	A
E	F	G	H
M	L	K	J
N	P	Q	R

Indicate the location of the well within the Section by drawing a dot at that point.

SECTION 10C

COMMENTS: _____

FOR ECOLOGY WATER RESOURCES PROGRAM USE ONLY

Water Right # _____ Date Issued _____

Circle one: Application Permit Certificate Claim Exempt

Original and First Copy with Department of Ecology
2nd Copy — Owner's Copy
3rd Copy — Driller's Copy

WATER WELL REPORT

STATE OF WASHINGTON

001152 Application No

AAA503 Permit No

(1) OWNER: Name Charles William Angell Address Rt 7 - Box 7906A Bainbridge Is. Wn

(2) LOCATION OF WELL: County Kitsap ¼ ¼ Sec T N R WM

Bearing and distance from section or subdivision corner See Attached Sheet

(3) PROPOSED USE: Domestic [X] Industrial [ ] Municipal [ ]
Irrigation [ ] Test Well [ ] Other [ ]

(4) TYPE OF WORK: Owner's number of well (If more than one)
New well [X] Method Dug [ ] Bored [ ]
Deepened [ ] Cable [ ] Driven [ ]
Reconditioned [ ] Rotary [ ] Jetted [ ]

(5) DIMENSIONS: Diameter of well 6 inches
Drilled 123 ft Depth of completed well 123 ft

(6) CONSTRUCTION DETAILS:
Casing installed: 6" Diam from 0 ft to 123 ft
Threaded [ ] Diam from ft to ft
Welded [X] Diam from ft to ft

Perforations: Yes [ ] No [X]
Type of perforator used
SIZE of perforations in. by in
perforations from ft. to ft
perforations from ft to ft
perforations from ft to ft

Screens: Yes [X] No [ ] Johnson
Manufacturer's Name
Type Stainless Steel Model No. 309
Diam 6" Slot size 12 from 118 ft to 123 ft
Diam Slot size from ft to ft.

Gravel packed: Yes [ ] No [X] Size of gravel.
Gravel placed from ft to ft

Surface seal: Yes [X] No [ ] To what depth? 20 ft.
Material used in seal Bentonite
Did any strata contain unusable water? Yes [ ] No [X]
Type of water? Depth of strata
Method of sealing strata off

(7) PUMP: Manufacturer's Name Flint & Walling
Type Submersible H.P. 1½

(8) WATER LEVELS: Land-surface elevation above mean sea level ft
Static level 109 ft below top of well Date 11-7-75
Artesian pressure lbs per square inch Date
Artesian water is controlled by (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes [ ] No [ ] If yes, by whom?
Yield gal/min with ft drawdown after hrs
" " "
" " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test
Bailer test 16 gal/min with 0 ft drawdown after 1½ hrs
Artesian flow g.p.m. Date 11-7-75
Temperature of water Was a chemical analysis made? Yes [ ] No [X]

(10) WELL LOG:

Formation Describe by color, character, size of material and structure and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation

MATERIAL	FROM	TO
Top Soil	0	5
Blue Hard pan	5	18
Brn. Sandy Clay	18	20
Blue Clay	20	22
Blue Sandy Clay	22	48
Brn. Hard pan	48	79
Blue Clay	79	89
Brn Hard pan	89	117
Sand & Gravel	117	123

Work started 10-31 19 75 Completed 11-7 19 75

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief

NAME Burt Well Drilling (Person, firm, or corporation) (Type or print)

Address Rt. 1 Box 283 Poulsbo, Wn 98370

[Signed] George D. Burt (Well Driller)

License No 223-02-6084 Date 12-6 19 75

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

#280

map # 2

KITSAP COUNTY PUD #1
PRIVATE WELL/CONSERVATION PROGRAM

ACCOUNT NO. _____ DIV. _____

CUSTOMER NAME (PLEASE PRINT) Charles Angell (FIRST) (LAST)

ADDRESS WHERE SHOWERHEAD INSTALLED.

STREET 8825 NE Day Rd E UNIT # _____

CITY Bainbridge Is STATE WA ZIP 98110

CUSTOMER'S SIGNATURE Charles W Angell DATE 12/18/91

QUANTITY	BRAND	PROGRAM/DELIVERY METHOD
	Ondine Showerhead	(4) Business Office
	Kitchen Aerator	(1) Single Family
	Bath Aerator	(4) Contractor Installed
	no devices required	

001006

PUD ACCT # ~~000342~~ WELL ID # AAA503 ELEVATION 200' / 219' altim

PHONE # 842-2320 TIME BEGAN 12:12 TIME COMPLETED 12:46

LOCAL # 25N/02E-10C LATITUDE/LONGITUDE ~~47°40.74N / 122°31.5W~~ 47°40.74N / 122°31.99W

DESCRIPTION OF MEASURING PT. (MP) top of seal on casing drilled

HEIGHT OF MP ABOVE/BELOW LAND SURFACE 0.45' BacT P

PDOP 2.8
12-13-24

DEPTH TO WATER BELOW MP 105.10 106.63' DEPTH TO WATER BELOW LS 106.18'

TEMPERATURE 50.4 SPECIFIC CONDUCTIVITY 233 ph 6.90

Nitrate mg/L 1.0 Fe mg/L 0.86 Mn mg/L 0.032

COLOR clear ODOR none APPEARANCE normal

SAMPLING POINT DESCRIPTION Outside hose bib

REMARKS take Day Rd E - 60 3RD of mile up hill - mail box (red barn)

SAMPLING PERSONNEL DA

DISPLACEMENT BAG _____ YES _____ NO well - 75ft. North of house nt E

11/19 tue

The Department of Ecology does NOT Warrantee the Data and/or the Information on this Well Report.

25/2 — ..., L

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT

STATE OF WASHINGTON

Application No. .....

Permit No. .....

(1) OWNER: Name Calvin Ellis Address 10292 Rondel Court B.I. Wash.

(2) LOCATION OF WELL: County Kitsap SE¼ of NE¼ SW¼ Sec. 35 T. 25 N., R. 2 E. W.M.

Bearing and distance from section or subdivision corner

(3) PROPOSED USE: Domestic [X] Industrial [ ] Municipal [ ]
Irrigation [ ] Test Well [ ] Other [ ]

(4) TYPE OF WORK: Owner's number of well (if more than one) .....
New well [X] Method: Dug [ ] Bored [ ]
Deepened [ ] Cable [X] Driven [ ]
Reconditioned [ ] Rotary [ ] Jetted [ ]

(5) DIMENSIONS: Diameter of well 6 inches.
Drilled 365 ft. Depth of completed well 365 ft.

(6) CONSTRUCTION DETAILS:

Casing installed: ..." Diam. from ... ft. to ... ft.
Threaded [ ] ..." Diam. from ... ft. to ... ft.
Welded [X] 6" Diam. from 0 ft. to 360 ft.

Perforations: Yes [ ] No [X]
Type of perforator used .....
SIZE of perforations ... in. by ... in.
... perforations from ... ft. to ... ft.
... perforations from ... ft. to ... ft.
... perforations from ... ft. to ... ft.

Screens: Yes [X] No [ ]
Manufacturer's Name Johnson
Type Stainless Model No. .....
Diam. ... Slot size ... from ... ft. to ... ft.
Diam. 6 Slot size 4 from 360 ft. to 365 ft.

Gravel packed: Yes [ ] No [X] Size of gravel: .....
Gravel placed from ... ft. to ... ft.

Surface seal: Yes [X] No [ ] To what depth? 20 ft.
Material used in seal Bentonite
Did any strata contain unusable water? Yes [ ] No [X]
Type of water? ... Depth of strata ...
Method of sealing strata off .....

(7) PUMP: Manufacturer's Name Ite-Rite 1/2
Type: Jet H.P. ...

(8) WATER LEVELS: Land-surface elevation above mean sea level .... 120 ft.
Static level 18 ft. below top of well Date 6-17-82
Artesian pressure ... lbs. per square inch Date .....
Artesian water is controlled by ... (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes [X] No [ ] If yes, by whom? Driller
Yield: 2.4 gal./min. with 332 ft. drawdown after 4 hrs.
" " " " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test .....
Bailer test 2 gal./min. with 332 ft. drawdown after 6 hrs.
Artesian flow ... g.p.m. Date .....
Temperature of water ... Was a chemical analysis made? Yes [ ] No [X]

(10) WELL LOG:

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL		FROM	TO
Top soil	Brown	0	4
Sandy clay - Gravel	"	4	10
Sandy clay	"	10	19
Clay	Blue	19	24
Silt	Brown	24	45
Silt	Gray	45	55
Silt	Green-Blue	55	115
Clay - Sticky	Blue	115	170
Silt	"	170	196
Clay	"	196	235
Silt	Gray	235	252
Silt & sand	"	252	260
Silt	"	260	265
Clay - Sticky	Blue	265	363
Sand - Fine, Fine	Gray	363	365

Work started May 26, 1982 Completed June 17, 1982

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME CRABTREE DRILLING CO. (Person, firm, or corporation) (Type or print)

Address 33349 EGLON RD. N.E. KINGSTON

[Signed] Jerry Crabtree (Well Driller)

License No. 82 Date June 21, 1982

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

ENTERED

WATER WELL REPORT

STATE OF WASHINGTON

Start Card No. W054436

UNIQUE WELL I.D. # AAC149

Water Right Permit No. 35-32-35 F

(1) **OWNER:** Name DAVIS KEITH COOP WATER SYSTEM Address P.O. BOX 10901, BAINBRIDGE ISLAND, WA 98110

(2) **LOCATION OF WELL:** County KITSAP SE 1/4 NW 1/4 Sec 35 T 25 N., R 2E W.M.

(2a) **STREET ADDRESS OF WELL** (or nearest address) OFF EAGLE HARBOR DRIVE, SYSTEM ID#63436R

(3) **PROPOSED USE:** [XX] Domestic [ ] Industrial [ ] Municipal [ ] Irrigation [ ] Test Well [ ] Other [ ] DeWater

(4) **TYPE OF WORK:** Owner's number of well (if more than one) _____
Abandoned [ ] New well [XX] Method: Dug [ ] Bored [ ] Deepened [ ] Cable [XX] Driven [ ] Reconditioned [ ] Rotary [ ] Jetted [ ]

(5) **DIMENSIONS:** Diameter of well 6 inches. Drilled 135 feet. Depth of completed well 135 ft.

(6) **CONSTRUCTION DETAILS:**
Casing Installed: 6 " Diam. from 0 ft. to 130 ft.
Welded [XX] Liner installed [ ] Threaded [ ]
_____ " Diam. from _____ ft. to _____ ft.
_____ " Diam. from _____ ft. to _____ ft.

Perforations: Yes [ ] No [XX]
Type of perforator used _____
SIZE of perforations _____ in. by _____ in.
_____ perforations from _____ ft. to _____ ft.
_____ perforations from _____ ft. to _____ ft.
_____ perforations from _____ ft. to _____ ft.

Screens: Yes [XX] No [ ]
Manufacturer's Name JOHNSON
Type STAINLESS STEEL Model No. _____
Diam. 6 Slot size 12 from 130 ft. to 135 ft.
Diam. _____ Slot size _____ from _____ ft. to _____ ft.

Gravel packed: Yes [ ] No [XX] Size of gravel _____
Gravel placed from _____ ft. to _____ ft.

Surface seal: Yes [XX] No [ ] To what depth? 18 ft.
Material used in seal BENTONITE
Did any strata contain unusable water? Yes [ ] No [XX]
Type of water? _____ Depth of strata _____
Method of sealing strata off _____

(7) **PUMP:** Manufacturer's Name GOULDS
Type: SUBMERSIBLE 18GS10 H.P. 1

(8) **WATER LEVELS:** Land-surface elevation above mean sea level _____ ft.
Static level 89 ft. below top of well Date 8/05/96
Artesian pressure _____ lbs. per square inch Date _____
Artesian water is controlled by _____ (Cap, valve, etc.)

(9) **WELL TESTS:** Drawdown is amount water level is lowered below static level
Was a pump test made? Yes [XX] No [ ] If yes, by whom? GRESHAM
Yield: 25 gal./min. with 24 ft. drawdown after 4 hrs.
" " " "
" " " "
Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level
FULL RECOV. IN 5 MIN.					

Date of test 8/05/96
Bailer test 22 gal./min. with 24 ft. drawdown after 1 hrs.
Airtest _____ gal./min. with stem set at _____ ft. for _____ hrs.
Artesian flow _____ g.p.m. Data _____
Temperature of water 50 Was a chemical analysis made? Yes [XX] No [ ]

(10) **WELL LOG or ABANDONMENT PROCEDURE DESCRIPTION**

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of information.

MATERIAL	FROM	TO
BROWN GRAVELLY HARDPAN	0	3
BROWN SILTY SAND & GRAVEL	3	12
BROWN SANDY CLAY	12	20
GRAY CLAY	20	67
GRAY SANDY CLAY	67	95
GRAY SAND & CLAY	95	109
BROWN SAND & GRAVEL, H2O	109	135

RECEIVED
AUG 12 1996
DEPT. OF ECOLOGY

Work Started 7/29/96 19. Completed 7/31/96 19

WELL CONSTRUCTOR CERTIFICATION:

I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

NAME GRESHAM WELL DRILLING, INC. (PERSON, FIRM, OR CORPORATION) (TYPE OR PRINT)

Address 3105 NW LAKENESS RD., POULSBO, WA 98370

(Signed) _____ (WELL DRILLER) License No. 0761

Contractor's Registration No. GRESHWD055BC Date 8/06/96 19

(USE ADDITIONAL SHEETS IF NECESSARY)

Ecology is an Equal Opportunity and Affirmative Action employer. For special accommodation needs, contact the Water Resources Program at (206) 407-6600. The TDD number is (206) 407-6006.

ECY 050-1-20 (9/93)

The Department of Ecology does NOT Warrant the Data and/or the Information on this Well Report.

25/02-27 D

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT
STATE OF WASHINGTON

Application No
Permit No

(1) **OWNER:** Name Dennis DeLorm Address 7611 Finch Rd. NE 98110

(2) **LOCATION OF WELL:** County Kitsap S½ - N½ - NW¼ NW¼ ¼ Sec 27 T 25 N., R 2E W.M.

Bearing and distance from section or subdivision corner

(3) **PROPOSED USE:** Domestic ☑ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

(4) **TYPE OF WORK:** Owner's number of well (if more than one)
New well ☑ Method: Dug ☐ Bored ☐
Deepened ☐ Cable ☑ Driven ☐
Reconditioned ☐ Rotary ☐ Jetted ☐

(5) **DIMENSIONS:** Diameter of well 6 inches.
Drilled 92' 6" ft. Depth of completed well 92'6" ft.

(6) **CONSTRUCTION DETAILS:**

Casing installed: 6 " Diam. from 0 ft. to 92 ft.
Threaded ☐ " Diam. from ft. to ft.
Welded ☑ " Diam. from ft. to ft.

Perforations: Yes ☐ No ☑
Type of perforator used
SIZE of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

Screens: Yes ☑ No ☐
Manufacturer's Name Johnson 6' 9½"
Type Tele Model No Super
Diam. 6 Slot size 8 from 92'6" ft. to 99'6" ft.
Diam. Slot size from ft. to ft.

Gravel packed: Yes ☐ No ☑ Size of gravel
Gravel placed from ft. to ft.

Surface seal: Yes ☑ No ☐ To what depth? 18 ft.
Material used in seal Bentonite & puddling mud
Did any strata contain unusable water? Yes ☐ No ☐
Type of water? Depth of strata
Method of sealing strata off

(7) **PUMP:** Manufacturer's Name Sta-Rite
Type: Submersible H.P. 1/3

(8) **WATER LEVELS:** Land-surface elevation above mean sea level ft.
Static level 44 ft. below top of well Date 1/21/80
Artesian pressure lbs. per square inch Date
Artesian water is controlled by (Cap, valve, etc.)

(9) **WELL TESTS:** Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☐ No ☐ If yes, by whom?
Yield: gal./min. with ft. drawdown after hrs.
" " " "
" " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test 1/21/80
Bailer test 4 gal./min. with 48 ft. drawdown after 4 hrs.
Artesian flow g.p.m. Date
Temperature of water Was a chemical analysis made? Yes ☐ No ☑

(10) **WELL LOG:**

Formation: *Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.*

MATERIAL	FROM	TO
Hard pan Blue Gray	0	69
Hard pan Gray	69	89
Sand + water	89	93

Work started 1/1, 19 80 Completed 1/21, 19 80

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME Puget Sound Well Drilling (Person, firm, or corporation) (Type or print)

Address 18365 Diamond Drive N.E. 98370

[Signed] Richard L. Lamunyon (Well Driller)

License No. 1022 Date 1-24, 19 80

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

WATER WELL REPORT

Original & 1st copy – Ecology, 2nd copy – owner, 3rd copy – driller

Construction/Decommission *("x" in circle)*

☑ Construction

☐ Decommission *ORIGINAL INSTALLATION Notice of Intent Number* _____

CURRENT
Notice of Intent No. WE47330

Unique Ecology Well ID Tag No. BPA376

Water Right Permit No. _____

Property Owner Name KPUD

Well Street Address Deer Path Lane

City Bainbridge Island County Kitsap

Location SE 1/4-1/4 SE 1/4 Sec 32 Twn 25n R 2e EWM or WWM ☐ circle one

Lat/Long (s, t, r Still **REQUIRED**) Lat Deg 47 Lat Min/Sec 36'35.5"n Long Deg 122 Long Min/Sec 33'56.6"w

Tax Parcel No. 322502-1-004-2001

PROPOSED USE: ☐ Domestic ☐ Industrial ☑ Municipal ☐ DeWater ☐ Irrigation ☑ Test Well ☐ Other _____

TYPE OF WORK: Owner's number of well (if more than one) _____

☑ New well ☐ Reconditioned ☐ Deepened *Method:* ☐ Dug ☐ Bored ☐ Driven ☐ Cable ☑ Rotary ☐ Jetted

DIMENSIONS: Diameter of well 12 inches, drilled 596 ft.
Depth of completed well 596 ft.

CONSTRUCTION DETAILS

Casing Installed: ☑ Welded 16 " Diam. from +1.5 ft. to 256 ft.
☐ Liner installed 12 " Diam. from +2 ft. to 596 ft.
☐ Threaded _____ " Diam. from _____ ft. to _____ ft.

Perforations: ☐ Yes ☑ No
Type of perforator used _____
SIZE of perfs _____ in. by _____ in. and no. of perfs _____ from _____ ft. to _____ ft.

Screens: ☐ Yes ☑ No ☐ K-Pac Location _____
Manufacturer's Name _____
Type _____ Model No. _____
Diam. 5" Slot size _____ from _____ ft. to _____ ft.
Diam. 5" Slot size _____ from _____ ft. to _____ ft.

Gravel/Filter packed: ☐ Yes ☑ No ☐ Size of gravel/sand _____
Materials placed from _____ ft. to _____ ft.

Surface Seal: ☑ Yes ☐ No To what depth? 18 ft.
Material used in seal bentonite chips
Did any strata contain unusable water? ☐ Yes ☑ No
Type of water? _____ Depth of strata _____
Method of sealing strata off _____

PUMP: Manufacturer's Name _____
Type: _____ H.P. _____

WATER LEVELS: Land-surface elevation above mean sea level _____ ft.
Static level n/a ft. below top of well Date _____
Artesian pressure _____ lbs. per square inch Date _____
Artesian water is controlled by _____ (cap, valve, etc.)

WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? ☐ Yes ☐ No If yes, by whom? _____
Yield: _____ gal./min. with _____ ft. drawdown after _____ hrs.
Yield: _____ gal./min. with _____ ft. drawdown after _____ hrs.
Yield: _____ gal./min. with _____ ft. drawdown after _____ hrs.

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test _____
Bailer test _____ gal./min. with _____ ft. drawdown after _____ hrs.
Airtest _____ gal./min. with stem set at _____ ft. for 1 hrs.
Artesian flow _____ g.p.m. Date _____
Temperature of water _____ Was a chemical analysis made? ☐ Yes ☐ No

CONSTRUCTION OR DECOMMISSION PROCEDURE

Formation: Describe by color, character, size of material and structure, and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of information. (USE ADDITIONAL SHEETS IF NECESSARY.)

MATERIAL	FROM	TO
Tan, loamy sand and gravels, medium	0	39
Brown, silted sand and gravels, medium	39	83
Grey, silt, some sand and gravels, medium	83	105
Grey, clay	105	111
Grey, gravel layer, small	111	112
Grey, clay	112	120
Grey, gravelly clay	120	127
Grey/Brown silt	127	227
Grey, silt/silt stone	227	250
Grey silt	250	268
Grey/Tan, sandy silt	268	370
Grey clay/silt	370	380
Dark Grey clay	380	405
Grey silt	405	515
Grey clay	515	596

Received
Department of Ecology
JUL 05 2022
Water Resources Program
Eastern

Job #

Start Date 4/11/22 Completed Date 4/29/22

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

☐ Driller ☐ Engineer ☐ Trainee Name (Print) Jacob Hansen

Driller/Engineer/Trainee Signature _____

Driller or trainee License No. 3180

Drilling Company Tacoma Pump & Drilling Co. Inc.

Address 30316 Mountain Highway

City, State, Zip Graham, WA 98338

Contractor's Registration No. TACOMPD203PF Date _____

If TRAINEE,
Driller's Licensed No. _____
Driller's Signature _____

Ecology is an Equal Opportunity Employer.

ECY 050-1-20 (Rev 3/05) **The Department of Ecology does NOT warranty the Data and/or Information on this Well Report.**

The Department of Ecology does NOT warranty the Data and/or information on this well report.

24/02 - 9N

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT
STATE OF WASHINGTON

Application No. .....
Permit No. .....

(1) OWNER: Name CLIFF DEISLER Address 2231 PONDEROSA DRIVE PORT ORCHARD, WA.

(2) LOCATION OF WELL: County KITSAP SW ¼ SW ¼ Sec. 9 T. 24 N., R. 1E W.M.

Bearing and distance from section or subdivision corner

(3) PROPOSED USE: Domestic [X] Industrial [ ] Municipal [ ] Irrigation [ ] Test Well [ ] Other [ ]

(4) TYPE OF WORK: Owner's number of well (if more than one) ....
New well [X] Method: Dug [ ] Bored [ ]
Deepened [ ] Cable [ ] Driven [ ]
Reconditioned [ ] Rotary [X] Jetted [ ]

(5) DIMENSIONS: Diameter of well 6 inches.
Drilled 223 ft. Depth of completed well 223 ft.

(6) CONSTRUCTION DETAILS:
Casing installed: 6 " STEEL Diam. from 0 ft. to 19 ft.
Threaded [ ] 4½ PVC Diam. from 9 ft. to 223 ft.
Welded [X] ..... " Diam. from ..... ft. to ..... ft.

Perforations: Yes [X] No [ ]
Type of perforator used 3/8" DRILL
SIZE of perforations 3/8" in. by ..... in.
[redacted] perforations from [redacted] ft. to ..... ft.
50 perforations from 160 ft. to 210 ft.
..... perforations from ..... ft. to ..... ft.

Screens: Yes [ ] No [X]
Manufacturer's Name .....
Type ..... Model No. .....
Diam. ..... Slot size ..... from ..... ft. to ..... ft.
Diam. ..... Slot size ..... from ..... ft. to ..... ft.

Gravel packed: Yes [ ] No [X] Size of gravel: .....
Gravel placed from ..... ft. to ..... ft.

Surface seal: Yes [X] No [ ] To what depth? 18 ft.
Material used in seal CEMENT & BENTONITE
Did any strata contain unusable water? Yes [ ] No [X]
Type of water? ..... Depth of strata .....
Method of sealing strata off .....

(7) PUMP: Manufacturer's Name .....
Type: ..... H.P. .....

(8) WATER LEVELS: Land-surface elevation above mean sea level .... ft.
Static level 21 ft. below top of well Date 11-22-83
Artesian pressure ..... lbs. per square inch Date .....
Artesian water is controlled by ..... (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes [ ] No [X] If yes, by whom? .....
Yield: ..... gal./min. with ..... ft. drawdown after ..... hrs.
" " " "
" " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test .....
AIR Bailer test 10 gal./min. with ..... ft. drawdown after 2 hrs.
4FT Artesian flow ..... g.p.m. Date .....
Temperature of water ..... Was a chemical analysis made? Yes [ ] No [X]

(10) WELL LOG:

Formation: *Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.*

MATERIAL	FROM	TO
TOP SOIL	0	2
BROWN HARD CLAY WITH	2	
SOME GRAVEL		11
GRAY SHALE	11	160
GRAY CONGLOMERATED	160	
SHALE WITH FRATURES WB		223
160'-165' 1 GPM		
180'-182' 2 GPM		
202-210 7 GPM		

RECEIVED
JAN 23 1984
DEPARTMENT OF ECOLOGY
NORTHWEST REGIONAL OFFICE

Work started 11-21-, 1983. Completed 11-22-, 1983

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME STOICAN DRILLING CO., INC (Person, firm, or corporation) (Type or print)
Address PORT ORCHARD, WA. 98366
[Signed] BOB STOICA BY [signature] (Well Driller)
License No. 0868 Date 12-2-, 1983

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

ENTERED

25-2-15G

WATER WELL REPORT

STATE OF WASHINGTON

Start Card No. W093066

UNIQUE WELL I.D. # ABP823

Water Right Permit No. _____

(1) **OWNER:** Name MR. GEORGE FILLER Address 10445 SECRETARIAT LN.NE,BAIN.ISLAND,WA 98110

(2) **LOCATION OF WELL:** County KITSAP NE 1/4 SW 1/4 Sec 15 T 25 N.R 2E W.M.

(2a) **STREET ADDRESS OF WELL** (or nearest address) DERBY DOWNS PLAT

(3) **PROPOSED USE:** XX Domestic ☐ Industrial ☐ Municipal ☐ ☐ Irrigation ☐ Test Well ☐ Other ☐ ☐ DeWater

(4) **TYPE OF WORK:** Owner's number of well (If more than one) _____

Abandoned ☐ New well XX Method: Dug ☐ Bored ☐ Deepened ☐ Cable ☐ Driven ☐ Reconditioned ☐ Rotary XX Jetted ☐

(5) **DIMENSIONS:** Diameter of well 6 inches. Drilled 238 feet. Depth of completed well 238 ft.

(6) **CONSTRUCTION DETAILS:**

Casing Installed: 6 " Diam. from 0 ft. to 238 ft.
Welded XX
Liner installed ☐ " Diam. from _____ ft. to _____ ft.
Threaded ☐ " Diam. from _____ ft. to _____ ft.

Perforations: Yes XX No ☐
Type of perforator used STAR
SIZE of perforations 1/4 in. by 2 in.
95 perforations from 225 ft. to 235 ft.
_____ perforations from _____ ft. to _____ ft.
_____ perforations from _____ ft. to _____ ft.

Screens: Yes ☐ No XX
Manufacturer's Name _____
Type _____ Model No. _____
Diam. ____ Slot size _____ from _____ ft. to _____ ft.
Diam. ____ Slot size _____ from _____ ft. to _____ ft.

Gravel packed: Yes ☐ No XX Size of gravel _____
Gravel placed from _____ ft. to _____ ft.

Surface seal: Yes XX No ☐ To what depth? 18 ft.
Material used in seal BENTONITE
Did any strata contain unusable water? Yes ☐ No XX
Type of water? _____ Depth of strata _____
Method of sealing strata off _____

(7) **PUMP:** Manufacturer's Name GOULDS
Type: SUBMERSIBLE 25GS50 H.P. 5

(8) **WATER LEVELS:** Land-surface elevation above mean sea level _____ ft
Static level 135 ft below top of well Date 10/02/97
Artesian pressure _____ lbs. per square inch Date _____
Artesian water is controlled by _____ (Cap, valve, etc.)

(9) **WELL TESTS:** Drawdown is amount water level is lowered below static level
Was a pump test made? Yes XX No ☐ If yes, by whom? GRESHAM
Yield: 60 gal./min. with 44 ft. drawdown after 4 hrs.
" " " "
" " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level
FULL RECOV.	IN 7 MIN.				

Date of test 10/02/97
Bailer test _____ gal./min. with _____ ft. drawdown after _____ hrs.
Airtest 60 gal./min. with stem set at 215 ft. for 1 hrs.
Artesian flow _____ g.p.m. Date _____
Temperature of water 50 Was a chemical analysis made? Yes ☐ No XX

(10) **WELL LOG or ABANDONMENT PROCEDURE DESCRIPTION**

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of information.

MATERIAL	FROM	TO
BROWN SANDY TOPSOIL	0	2
GRAY HARDPAN	2	35
GRAY SILTY SAND & GRAVEL	35	90
STICKY GRAY CLAY	90	145
GRAY SILTY SAND & GRAVEL	145	183
GRAY SILTY SAND	183	217
GRAY SILTY SAND & GRAVEL	217	223
GRAY COARSE SILTY SAND & GRAVEL,	223	
H2O		236
GRAY CLAYBOUND GRAVEL	236	238

RECEIVED
OCT 23 1997
DEPT. OF ECOLOGY

Work Started 8/13/97, 19. Completed 10/02/97, 19

WELL CONSTRUCTOR CERTIFICATION:

I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

NAME GRESHAM WELL DRILLING, INC. (PERSON, FIRM, OR CORPORATION) (TYPE OR PRINT)

Address 3105 NW LAKENESS RD.,POULSBO,WA 98370

(Signed) _____ (WELL DRILLER) License No. 0761

Contractor's Registration No. GRESHWD055BC Date 10/03/97, 19

(USE ADDITIONAL SHEETS IF NECESSARY)

Ecology is an Equal Opportunity and Affirmative Action employer. For special accommodation needs, contact the Water Resources Program at (206) 407-6600. The TDD number is (206) 407-6006.

ECY 050-1-20 (9/93) * * f

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

ENTERED

WATER WELL REPORT

STATE OF WASHINGTON

Start Card No. W054412

UNIQUE WELL I.D. # ABP985

Water Right Permit No. 25-2E-15L

(1) **OWNER:** Name MR. GEORGE FILLER Address 10445 SECRETARIAT LN NE, BAIN.ISLAND,WA 98110

(2) **LOCATION OF WELL:** County KITSAP NE 1/4 SW 1/4 Sec 15 T. 25 N.R. 2E W.M.

(2a) **STREET ADDRESS OF WELL** (or nearest address) LOT 15 DERBY DOWNS PLAT, SECRETARIAT LANE

(3) **PROPOSED USE:** XX Domestic ☐ Industrial ☐ Municipal ☐ ☐ Irrigation ☐ Test Well ☐ Other ☐ ☐ DeWater

(4) **TYPE OF WORK:** Owner's number of well (If more than one) WELL #2

Abandoned ☐ New well XX Method: Dug ☐ Bored ☐ Deepened ☐ Cable ☐ Driven ☐ Reconditioned ☐ Rotary XX Jetted ☐

(5) **DIMENSIONS:** Diameter of well 6 inches. Drilled 236 feet. Depth of completed well 236 ft.

(6) **CONSTRUCTION DETAILS:**

Casing Installed: 6 " Diam. from 0 ft. to 236 ft. Welded XX Liner installed ☐ Threaded ☐ " Diam. from ft. to ft. " Diam. from ft. to ft.

Perforations: Yes XX No ☐ Type of perforator used STAR PERFORATOR SIZE of perforations 1/4 in. by 2 in. 125 perforations from 226 ft. to 235 ft. perforations from ft. to ft. perforations from ft. to ft. perforations from ft. to ft.

Screens: Yes ☐ No XX Manufacturer's Name Type Model No. Diam. Slot size from ft. to ft. Diam. Slot size from ft. to ft.

Gravel packed: Yes ☐ No XX Size of gravel Gravel placed from ft. to ft.

Surface seal: Yes XX No ☐ To what depth? 18 ft. Material used in seal BENTONITE Did any strata contain unusable water? Yes ☐ No XX Type of water? Depth of strata Method of sealing strata off

(7) **PUMP:** Manufacturer's Name GOULDS Type SUBMERSIBLE 25GS50 H.P. 5

(8) **WATER LEVELS:** Land surface elevation above mean sea level ft. Static level 134 ft. below top of well Date 5/02/96 Artesian pressure lbs. per square inch Date Artesian water is controlled by (Cap, valve, etc.)

(9) **WELL TESTS:** Drawdown is amount water level is lowered below static level Was a pump test made? Yes XX No ☐ If yes, by whom? GRESHAM Yield 60 gal./min. with 44 ft. drawdown after 4 hrs. " " " " " " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level
FULL RECOV. IN 7 MIN.					

Date of test 5/02/96

Bailer test gal./min. with ft. drawdown after hrs. Airtest 60 gal./min. with stem set at 230 ft. for 1 hrs. Artesian flow g.p.m. Date Temperature of water 50 Was a chemical analysis made? Yes XX No ☐

(10) **WELL LOG or ABANDONMENT PROCEDURE DESCRIPTION**

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of information.

MATERIAL	FROM	TO
BROWN FILL	0	1
GRAY HARDPAN	1	36
GRAY SILTY SAND & GRAVEL	36	64
STICKY GRAY CLAY W/GRAVEL	64	86
GRAY CLAY W/SAND	86	113
STICKY GRAY CLAY	113	143
GRAY SILTY SAND & GRAVEL	143	182
GRAY SILTY SAND	182	216
GRAY SILTY SAND & GRAVEL, H20	216	226
COARSE SAND & GRAVEL, H20	226	236

RECEIVED
MAY 08 1996
DEPT. OF ECOLOGY

Work Started 4/16/96 19. Completed 4/23/96 19

WELL CONSTRUCTOR CERTIFICATION:

I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

NAME GRESHAM WELL DRILLING, INC. (PERSON, FIRM, OR CORPORATION) (TYPE OR PRINT)

Address 3105 NW LAKENESS RD.,POULSBO,WA 98370

(Signed) (WELL DRILLER) License No. 0761

Contractor's Registration No. GRESHWD055BC Date 5/02/96 19

(USE ADDITIONAL SHEETS IF NECESSARY)

Ecology is an Equal Opportunity and Affirmative Action employer. For special accommodation needs, contact the Water Resources Program at (206) 407-6600. The TDD number is (206) 407-6006.

ECY 050-1-20 (9/93)

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

25/02-30 N

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

#25-79

WATER WELL REPORT

STATE OF WASHINGTON

Page 44

Application No.

Permit No

(1) OWNER: Name Deserest Water System Address Attn: John Fry 6411 E. Blvd NE-Brem.

(2) LOCATION OF WELL: County Kitsap —SW ¼ SW ¼ Sec. 30 T. 25 N., R. 2E W.M.

Bearing and distance from section or subdivision corner

(3) PROPOSED USE: Domestic ☒ Industrial ☐ Municipal ☒
Irrigation ☐ Test Well ☐ Other ☐

(4) TYPE OF WORK: Owner's number of well (if more than one)
New well ☒ Method: Dug ☐ Bored ☐
Deepened ☐ Cable ☒ Driven ☐
Reconditioned ☐ Rotary ☐ Jetted ☐

(5) DIMENSIONS: Diameter of well 6 inches.
Drilled 367 ft. Depth of completed well 367 ft.

(6) CONSTRUCTION DETAILS:

Casing installed: 6 " Diam. from 0 ft. to 342 ft.
Threaded ☐ " Diam. from ft. to ft.
Welded ☒ " Diam. from ft. to ft.

Perforations: Yes ☐ No ☒
Type of perforator used
SIZE of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

Screens: Yes ☒ No ☐
Manufacturer's Name Johnson
Type SS weld on Model No.
Diam 6 Slot size .018 from 344 ft. to 349 ft.
Diam. 6 Slot size .020 from 349 ft. to 354 ft.
6 .025 354 ft 365ft

Gravel packed: Yes ☐ No ☒ Size of gravel:
Gravel placed from ft. to ft.

Surface seal: Yes ☒ No ☐ To what depth? 67 ft.
Material used in seal Bentonite & Cement
Did any strata contain unusable water? Yes ☐ No ☒
Type of water? Depth of strata
Method of sealing strata off

(7) PUMP: Manufacturer's Name None
Type: H.P.

(8) WATER LEVELS: Land-surface elevation above mean sea level ft.
Static level 286 ft. below top of well Date 4/13/79
Artesian pressure lbs. per square inch Date
Artesian water is controlled by (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☐ No ☒ If yes, by whom?
Yield: gal./min. with ft. drawdown after hrs.

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test
Bailer test 20 gal./min. with 3 ft. drawdown after 1 hrs.
Artesian flow g.p.m. Date
Temperature of water Was a chemical analysis made? Yes ☐ No ☒

(10) WELL LOG:

Formation: *Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.*

MATERIAL	FROM	TO
Brown sand	0	3
Brown sand, gravel, clay	3	44
Blue clay, sand & gravel	44	53
Dark charcoal gray sand, water	53	64
Blue clay, seams blue sand	64	90
Brown gravel	90	110
Blue clay & peat	110	113
Brown gravel, sand	113	147
Blue clay, streaks peat	147	153
Brown gravel	153	207
Brown sand, coarse, some gravel	207	288
Blue sandy clay	288	300
Blue sand & water	300	318
Blue sandy clay	318	338
Blue sand & water	338	368
Well total = 367 ft. 4½ in.		
339 ft. 8½ in. to top of packer		
4 ft. 1 in. of riser on top		
5 ft. 4 in. of .018 slot screen		
5 ft. 4 in. of .020 slot screen		
5 ft. 4 in. of .025 slot screen		
5 ft. 3½ in. of .025 slot screen		
2 ft. 3½ in. of blank on bottom		
Screen overall = 27 ft. 8 in.		
342 ft. 9½ in. of six in. casing left		
Static head 286 ft.		
20 GPM 289 ft. of top		

Work started March 12, 19 79 Completed April 13, 19 79

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME Nicholson Drilling Company
(Person, firm, or corporation) (Type or print)

Address P.O. Box 279 Port Orchard, Wa. 98366

[Signed] Wm J. Wiley
(Well Driller)

License No. 0521 Date April 17, 19 79

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT

STATE OF WASHINGTON

Start Card No 25-02-35P

Water Right Permit No

(1) OWNER: Name DAN FERDA Address 5062 NEW SWEDEN NE, BAINB. IS.

(2) LOCATION OF WELL: County KITSAP SE ¼ SW ¼ Sec 35 T 25 N., R 2E W.M.

(2a) STREET ADDDRESS OF WELL (or nearest address) SAME AS ABOVE

(3) PROPOSED USE: [✓] Domestic [ ] Industrial [ ] Municipal [ ] Irrigation [ ] Test Well [ ] Other [ ] DeWater

(4) TYPE OF WORK: Owner's number of well (if more than one)
Abandoned [ ] New well [✓] Method: Dug [ ] Bored [ ] Deepened [ ] Cable [✓] Driven [ ] Reconditioned [ ] Rotary [ ] Jetted [ ]

(5) DIMENSIONS: Diameter of well 6 inches. Drilled 110 feet. Depth of completed well 110 ft.

(6) CONSTRUCTION DETAILS:
Casing installed: 6in " Diam from 0 ft. to 106 ft.
Welded [✓] " Diam. from ft. to ft.
Linar installed [ ] " Diam from ft. to ft.
Threaded [ ]
Perforations: Yes [ ] No [✓]
Type of partorator used
SIZE of partorations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.
Screens: Yes [✓] No [ ]
Manufacturar's Name Johnson
Type Stainless steel Model No.
Diam. 5in Slot size 12 from 106 ft. to 110 ft.
Diam. Slot size from ft. to ft.
Gravel packed: Yes [ ] No [✓] Size of graval
Gravel placed from ft. to ft.
Surface seal: Yes [✓] No [ ] To what depth? 18 ft.
Material used in seal Bentonite
Did any strata contain unusable water? Yes [ ] No [✓]
Type of water? Depth of strata
Method of sealing strata off

(7) PUMP: Manufacturer's Name Berkeley
Type Sub. H.P. ½

(8) WATER LEVELS: Land-surface elevation above mean sea level ft.
Static level 42 ft. below top of well Date 10 27 88
Artesian pressure lbs per square inch Data
Artesian water is controlled by (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes [✓] No [ ] If yes, by whom? Drillers
Yield: 4 gal./min. with 108 ft. drawdown after 4 hrs.
" " " " "
" " " " "
Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test
Bailer test 4 gal./min. with 10 ft. drawdown after 4 hrs.
Airlast gal./min. with stem set at ft. for hrs
Artesian flow g.p.m. Data
Temperature of water Was a chemical analysis made? Yes [ ] No [✓]

(10) WELL LOG or ABANDONMENT PROCEDURE DESCRIPTION

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of information

MATERIAL	FROM	TO
Black Fill gravel	0	3
BROWN -CLAY-gravel	3	30
BROWN CLAY Bound Sand	30	65
Blue CLAY	65	77
Blue CLAY with lenses of silt	77	105
Brown sand water Bearing	105	110
Blue CLAY	110	T

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DEPARTMENT OF ECOLOGY
NORTHWEST REGION

McCOY
DRILLING & WELL DEVELOPMENT CO.
9070 N.E. SPARGUR LOOP RD.
BAINBRIDGE IS., WA. 98110

Work started 10 18 88 Completed 10 27 88

WELL CONSTRUCTOR CERTIFICATION:
I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

NAME Ephraim G McKinney (PERSON, FIRM, OR CORPORATION) (TYPE OR PRINT)

Address McCOY DRILLING & WELL DEVELOPMENT CO. 9070 N.E. SPARGUR LOOP RD. BAINBRIDGE IS., WA. 98110

(Signed) (WELL DRILLER) License No. 1444

Contractor's Registration No MCCOYDW137Q3 Date 10 27 88

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20 (10-87) -1329- 3

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

File original and first copy with Department of Ecology
Second Copy - Owner's Copy
Third Copy - Driller's Copy

WATER WELL REPORT
STATE OF WASHINGTON

Notice of Intent No. WE37272
UNIQUE WELL I.D. # BKU562
Water Rights Permit No.

(1) OWNER: Name: DAVID GRAF **Address:** 9617 BATTLE POINT DR NE, BAINBRIDGE ISLAND, WA 98110

(2) LOCATION OF WELL: County: KITSAP SW 1/4 of the SW 1/4, Sec. 17, Twnsp 25N, R. 2E W.M.

(2a) STREET ADDRESS OF WELL (or nearest address): 9617 BATTLE POINT DR NE, B.I., PARCEL # 17250230332001

(3) PROPOSED USE: ☒ Domestic ☐ Test well ☐ Irrigation ☐ Municipal ☐ Industrial ☐ Dewater ☐ Other

(4) TYPE OF WORK: Owner's number of well (if more than one): 1
☐ Decommissioned ☒ New well **Method:** ☐ Dug ☐ Bored ☐ Deepened ☒ Cable ☐ Driven ☐ Reconditioned ☐ Rotary ☐ Jetted

(5) DIMENSIONS: Diameter of well: 6 inches
Drilled 350 feet Depth of completed well 300 feet

(6) CONSTRUCTION DETAILS:
Casing Installed: 6 in. diam. from 0 ft. to 312 ft.
☒ Welded in. diam. from ft. to ft.
☐ Liner installed in. diam. from ft. to ft.
☐ Threaded in. diam. from ft. to ft.

Perforations: Were perforations made?: ☒ Yes
Perforator type: Mills Knife
Size of perforation: 1.5 in. by: 0.25 in. 30 Perfs
Perforations from: 140 ft. to 150 ft.
Perforations from: ft. to ft.

Screens: ☐ Screens installed
Manufacturer's name:
Type:
Diam. 6 in. slot size from ft. to ft.
Diam. in. slot size from ft. to ft.

Gravel: ☐ Yes Size of gravel: in.
Gravel Placed from: ft. to ft.

Surface seal: ☒ Yes To what depth?: 18 ft.
Material used in seal: Bentonite
Did any strata contain unusable water?: ☐ Yes
Type of water: Depth of strata: ft.
Method of sealing strata:

(7) PUMP: Manufacturer's name:
Type: HP:

(8) WATER LEVELS: Land-surface elevation above mean sea-level 150 ft.
Static level: 134 ft. below top of well Date: 12/5/2019
Artesian pressure: PSI Date:
Artesian water is controlled by:

(9) WELL TESTS: Drawdown is amount water level is lowered below static level.
Was a pump test made? ☐ Yes, by:
Yield: GPM with ft. drawdown after hrs
Yield: GPM with ft. drawdown after hrs
Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water level	Time	Water level	Time	Water level

Date of test:
Bailer test: 20 GPM with 3 ft. drawdown after 5.5 hrs.
Air test: GPM with stem set at ft. for hrs.
Artesian flow: GPM Date:
Temp. of water: deg. Was a chemical analysis made? ☒ Yes

(10) WELL LOG or ABANDONMENT PROCEDURE DESCRIPTION

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least on entry for each change of formation.

MATERIAL	FROM	TO
BROWN GRAVELLY CLAY	0'	19'
GRAY TILL	19'	23'[
BROWN HARDPAN	23'	72'
BLUE GRAVELLY CLAY	72'	83'
BROWN HARDPAN	83'	87'
BLUE CLAY	87'	89'
BLUE SAND W/B	89'	93'
BLUE GRAVELLY CLAY	93'	100'
BROWN HARDPAN	100'	115'
BLUE GRAVELLY CLAY	115'	127'
BROWN HARDPAN	127'	131'
GRAY HARDPAN	131'	140'
GRAY HARDPAN with W/B seams	140'	165'
BLUE CLAY	165'	225'
BLUE SILTY CLAY	225'	288'
BLUE SILTY SAND W/B	288'	290'
BLUE GRAVELLY CLAY	290'	297'
BLUE SILTY SAND W/B	297'	302'
BLUE GRAVELLY CLAY	302'	?

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JAN 13 2020
WATER RESOURCES PROGRAM
NORTHWEST REGIONAL OFFICE

Work started: 11/13/2019 Work completed: 12/5/2019

WELL CONSTRUCTOR CERTIFICATION:
I constructed and / or accept responsibility for construction of this well, and to the compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

Contractor: LOFALL WELL DRILLING, INC.
Address: 89 NW Wesley Way, Poulsbo, WA 98370
Signed: (Well Driller) License # 1463
Contractor's Registration No: LOFALWD922BH Date: 12/19/2019

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

26/ [illegible] 3

Start Card No. 070802

File Original and First Copy with Department of Ecology
Second Copy—Owner's Copy
Third Copy—Driller's Copy

WATER WELL REPORT

STATE OF WASHINGTON

Water Right Permit No. _____

(1) **OWNER:** Name Mr. Dana Hanford Address 16750 Agate Point Rd., N.E. B.I. 98110

(2) **LOCATION OF WELL:** County Kitsap NE ¼ NW ¼ Sec 28 T. 26 N., R. 2E W.M.

(2a) **STREET ADDDRESS OF WELL** (or nearest address) 16750 Agate Point Rd. N.E.

(3) **PROPOSED USE:** [X] Domestic [ ] Industrial [ ] Municipal [ ] Irrigation [ ] Test Well [ ] Other [ ] DeWater

(4) **TYPE OF WORK:** Owner's number of well (if more than one) _____
Abandoned [ ] New well [X] Method: Dug [ ] Bored [ ] Deepened [ ] Cable [X] Driven [ ] Reconditioned [ ] Rotary [ ] Jetted [ ]

(5) **DIMENSIONS:** Diameter of well 6 inches. Drilled 129 feet. Depth of completed well 129 ft.

(6) **CONSTRUCTION DETAILS:**
Casing installed: 6 " Diam. from 0 ft. to 129 ft.
Welded [X] Liner installed [ ] Threaded [ ] " Diam. from _____ ft. to _____ ft.
" Diam. from _____ ft. to _____ ft.

Perforations: Yes [ ] No [X]
Type of perforator used _____
SIZE of perforations _____ in. by _____ in.
_____ perforations from _____ ft. to _____ ft.
_____ perforations from _____ ft. to _____ ft.
_____ perforations from _____ ft. to _____ ft.

Screens: Yes [X] No [X]
Manufacturer's Name _____
Type _____ Model No. _____
Diam. _____ Slot size _____ from _____ ft. to _____ ft.
Diam. _____ Slot size _____ from _____ ft. to _____ ft.

Gravel packed: Yes [ ] No [X] Size of gravel _____
Gravel placed from _____ ft. to _____ ft.

Surface seal: Yes [X] No [ ] To what depth? 18 ft.
Material used in seal Bentontie
Did any strata contain unusable water? Yes [ ] No [X]
Type of water? _____ Depth of strata _____
Method of sealing strata off _____

(7) **PUMP:** Manufacturer's Name Goulds
Type: submersible H.P. 3/4

(8) **WATER LEVELS:** Land-surface elevation above mean sea level [illegible] 80 ft.
Static level 86 ft. below top of well Date 3/16/90
Artesian pressure _____ lbs. per square inch Date _____
Artesian water is controlled by _____ (Cap, valve, etc.)

(9) **WELL TESTS:** Drawdown is amount water level is lowered below static level
Was a pump test made? Yes [ ] No [ ] If yes, by whom? _____
Yield: _____ gal./min. with _____ ft. drawdown after _____ hrs.
" " " "
" " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test _____
Bailer test 20 gal./min. with 9 ft. drawdown after 2 hrs.
Airtest _____ gal./min. with stem set at _____ ft. for _____ hrs.
Artesian flow _____ g.p.m. Date _____
Temperature of water 50 Was a chemical analysis made? Yes [ ] No [X]

(10) **WELL LOG or ABANDONMENT PROCEDURE DESCRIPTION**

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of information.

MATERIAL	FROM	TO
Overburden	0	2
Brown clay	2	11
Blue clay	11	41
Grey sil;ty clay	41	65
Blue silty clay	65	78
Grey silty clay	78	84
Grey fine silty clay	84	97
Blue silty clay	97	106
Brown hardpan	106	113
Blue clay	113	124
Sand & gravel H20 "coarse"	124	129

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MAR
DEPT OF

Work started 3/14/90, 19. Completed 3/16/90, 19

WELL CONSTRUCTOR CERTIFICATION:

I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

NAME Gresham Well Drilling (PERSON, FIRM, OR CORPORATION) (TYPE OR PRINT)

Address 3105 N.W. Lakeness Rd., Poulsbo 98370

(Signed) _____ (WELL DRILLER) License No. 0761

Contractor's Registration No. GRESHWD206NF Date 3/23/90, 19

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20 (10/87) -1329-

25/02/29J

File Original and First Copy with Department of Ecology
Second Copy – Owner's Copy
Third Copy – Driller's Copy

Application No.

Permit No.

WATER WELL REPORT

STATE OF WASHINGTON

(1) **OWNER:** Name David Hanson Address 6851 Blue Sky Lane NE Bainbridge 98110

(2) **LOCATION OF WELL:** County Kitsap NE ¼ SE ¼ Sec. 29 T 25 N., R 2E W.M.

Bearing and distance from section or subdivision corner

(3) **PROPOSED USE:** Domestic [X] Industrial [ ] Municipal [ ] Irrigation [ ] Test Well [ ] Other [ ]

(4) **TYPE OF WORK:** Owner's number of well (if more than one) ...
New well [X] Method: Dug [ ] Bored [ ]
Deepened [ ] Cable [X] Driven [ ]
Reconditioned [ ] Rotary [ ] Jetted [ ]

(5) **DIMENSIONS:** Diameter of well 6 inches.
Drilled 425 ft. Depth of completed well 425 ft.

(6) **CONSTRUCTION DETAILS:**

Casing installed: 6 " Diam. from 0 ft. to 425 ft.
Threaded [ ] " Diam. from ... ft. to ... ft.
Welded [X] " Diam. from ... ft. to ... ft.

Perforations: Yes [ ] No [X]
Type of perforator used ...
SIZE of perforations ... in. by ... in.
... perforations from ... ft. to ... ft.
... perforations from ... ft. to ... ft.
... perforations from ... ft. to ... ft.

Screens: Yes [X] No [ ]
Manufacturer's Name Johnson
Type Stainless Steel Model No. ...
Diam. 6" Slot size #14 from 415 ft. to 420 ft.
Diam. 6" Slot size #10 from 420 ft. to 425 ft.

Gravel packed: Yes [ ] No [X] Size of gravel: ...
Gravel placed from ... ft. to ... ft.

Surface seal: Yes [X] No [ ] To what depth? 22 ft.
Material used in seal Bentonite
Did any strata contain unusable water? Yes [ ] No [ ]
Type of water? ... Depth of strata ...
Method of sealing strata off ...

(7) **PUMP:** Manufacturer's Name Flint & Walling
Type: Sub. H.P. 3

(8) **WATER LEVELS:** Land-surface elevation above mean sea level ... ft.
Static level 268 ft. below top of well Date 6-16-86
Artesian pressure ... lbs. per square inch Date ...
Artesian water is controlled by ... (Cap, valve, etc.)

(9) **WELL TESTS:** Drawdown is amount water level is lowered below static level
Was a pump test made? Yes [ ] No [ ] If yes, by whom?
Yield: ... gal./min. with ... ft. drawdown after ... hrs.

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test ...
Bailer test 20 gal./min. with 70 ft. drawdown after 2 hrs.
Artesian flow ... g.p.m. Date ...
Temperature of water ... Was a chemical analysis made? Yes [ ] No [ ]

(10) **WELL LOG:**

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL	FROM	TO
Brown Soil & Gravel	0	17
Blue Till	17	54
Blue-green Till	54	69
Blue-gray Silty Sand w/gravel	69	83
Blue Sand & Gravel w/clay & H2O	83	86
Blue Silty Clay, Sm. Sand & Gravel	86	94
Blue Clay	94	129
Claystone-Some Sand, Gravel & Water	129	134
Blue Clay	134	152
Silty Clay	152	396
Sandy Blue Clay	396	413
Brown med. Sand	413	425

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JUL
DEPARTMENT OF ECOLOGY

Work started 5-20 19 86 Completed 6-16 19 86

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME Burt Well Drilling, Inc. (Person, firm, or corporation) (Type or print)

Address 19782 N.E. Lincoln Rd. Poulsbo, Wa. 98370

[Signed] George D. Burt (Well Driller)

License No. 0048 Date 6-20, 19 86

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy 25/2E/29/C

WATER WELL REPORT
STATE OF WASHINGTON

Application No 11574
Permit No G-1-00106 P

(1) OWNER: Name Douglas L. Tonas Address Rt 2, Box 2691 Bainbridge Is, Wa. 98110

(2) LOCATION OF WELL: County Kitsap NE ¼ NW ¼ Sec 29 T 25 N., R. 2E W.M.
Bearing and distance from section or subdivision corner (Gov't lot 1)

(3) PROPOSED USE: Domestic [X] Industrial [ ] Municipal [ ]
Irrigation [ ] Test Well [ ] Other [ ]

(4) TYPE OF WORK: Owner's number of well (if more than one)
New well [X] Method: Dug [ ] Bored [ ]
Deepened [ ] Cable [ ] Driven [ ]
Reconditioned [ ] Rotary [ ] Jetted [ ]

(5) DIMENSIONS: Diameter of well 6 inches.
Drilled 165 ft. Depth of completed well 156 ft.

(6) CONSTRUCTION DETAILS:
Casing installed: 6" " Diam. from 0 ft. to 56 ft.
Threaded [ ] " Diam. from ft. to ft.
Welded [X] " Diam. from ft. to ft.

Perforations: Yes [X] No [ ]
Type of perforator used Mills Knife
SIZE of perforations 3/16 in. by 1½ in.
24 perforations from 138 ft. to 143 ft.
perforations from ft. to ft.
perforations from ft. to ft.

Screens: Yes [ ] No [X]
Manufacturer's Name
Type Model No
Diam Slot size from ft. to ft.
Diam. Slot size from ft. to ft.

Gravel packed: Yes [X] No [ ] Size of gravel:
Gravel placed from ft. to ft.

Surface seal: Yes [X] No [ ] To what depth? 10 ft.
Material used in seal Drill Sludge
Did any strata contain unusable water? Yes [ ] No [X]
Type of water? Depth of strata
Method of sealing strata off

(7) PUMP: Manufacturer's Name Jacuzzi
Type: Submersible H.P. 3/4

(8) WATER LEVELS: Land-surface elevation above mean sea level ft.
Static level 134 ft. below top of well Date 2/27/67
Artesian pressure lbs. per square inch Date
Artesian water is controlled by (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes [ ] No [X] If yes, by whom?
Yield: gal./min. with ft. drawdown after hrs.
" " " "
" " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test 2/15/67
Bailer test 15 gal./min. with 1 ft. drawdown after 3 hrs.
Artesian flow g.p.m. Date
Temperature of water Was a chemical analysis made? Yes [ ] No [X]

(10) WELL LOG: 25/02-29C

Formation: *Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.*

MATERIAL	FROM	TO
Top Soil	0	2
Soft-Brown HP.	2	20
Gray HP	20	25
Brown HP (dry)	25	30
Brown HP (wet)	30	49
Blue Shale Rock	49	52
Brown Gravely HP	52	138
WB Packed Gravel	139	143.5
Brown HP	143.5	148
Blue Clay	148	165

Work started 1/31, 19 67 Completed 2/27, 19 67

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME Stoican Drilling Co Inc
(Person, firm, or corporation) (Type or print)

Address Rt 3, Box 175 Port Orchard Wash.
Original Signed by
[Signed] Nicholas Stoican
(Well Driller)

License No. Date 3-6, 19 67

(USE ADDITIONAL SHEETS IF NECESSARY)

S. F. No. 7356—OS—(Rev. 4-71).

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

File Original and First Copy with Department of Ecology
Second Copy—Owner's Copy
Third Copy—Driller's Copy

WATER WELL REPORT

STATE OF WASHINGTON

Start Card No. 042942

Water Right Permit No.

(1) OWNER: Name Mr. Dan Lavry Address 8804 Spargur Loop Rd., B.I. 98110

(2) LOCATION OF WELL: County Kitsap SE ¼SW ¼ Sec. 34 T. 26 N., R. 2E W.M.

(2a) STREET ADDDRESS OF WELL (or nearest address) 8804 Spargur Loop Road

(3) PROPOSED USE: [X] Domestic [ ] Irrigation [ ] DeWater [ ] Industrial [ ] Test Well [ ] Municipal [ ] Other

(4) TYPE OF WORK: Owner's number of well (if more than one)

Abandoned [ ] New well [X] Deepened [ ] Reconditioned [ ] Method: Dug [ ] Cable [XX] Rotary [ ] Bored [ ] Driven [ ] Jetted [ ]

(5) DIMENSIONS: Diameter of well 6 inches. Drilled 582 feet. Depth of completed well 582 ft.

(6) CONSTRUCTION DETAILS:

Casing Installed: 6 " Diam. from 0 ft. to 572 ft.
Welded [X] Liner installed [ ] Threaded [ ] " Diam. from ft. to ft.
" Diam. from ft. to ft.

Perforations: Yes [ ] No [XX]
Type of perforator used
SIZE of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

Screens: Yes [X] No [ ]
Manufacturer's Name Johnson
Type stainless steel Model No.
Diam 6 Slot size 6 from 572 ft. to 582 ft.
Diam. Slot size from ft. to ft.

Gravel packed: Yes [ ] No [X] Size of gravel
Gravel placed from ft. to ft.

Surface seal: Yes [X] No [ ] To what depth? 18 ft.
Material used in seal Bentonite
Did any strata contain unusable water? Yes [ ] No [X]
Type of water? Depth of strata
Method of sealing strata off

(7) PUMP: Manufacturer's Name None at time
Type: H.P.

(8) WATER LEVELS: Land-surface elevation above mean sea level ft.
Static level 20' ft. below top of well Date 11/20/91
Artesian pressure lbs. per square inch Date
Artesian water is controlled by (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes [ ] No [ ] If yes, by whom?
Yield: gal./min. with ft. drawdown after hrs.
" " " "
" " " "
Recovery date (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test
Bailer test 60 gal./min. with 32 ft drawdown after 1 hrs.
Airtest gal./min. with stem set at ft. for hrs.
Artesian flow g.p.m. Date
Temperature of water 50 Was a chemical analysis made? Yes [ ] No [XX]

(10) WELL LOG or ABANDONMENT PROCEDURE DESCRIPTION

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of information.

MATERIAL	FROM	TO
Brown overburden	0	2
Brown gravelly hardpan	2	4
Brown sandy clay	4	8
Brown silt-bound sand	8	22
Grey sandy clay	22	38
Blue clay	38	40
Grey silty clay	40	78
Grey clay	78	155
Grey silty clay	155	175
Blue sticky clay	175	216
Grey clay-bound gravel	216	219
Grey silt	219	257
Grey sand & silt	257	286
Grey silty clay	286	375
Grey clay	375	420
Grey clay w/little coarse sand	420	437
Grey silt	437	527
Blue clay	527	530
Grey silt	530	546
Blue clay	546	559
Grey silty sand & H20	559	561
Grey fine sand & H20	561	582

RECEIVED
DEC 05 1991
DEPT. OF ECOLOGY

Work started 10/28/91 19. Completed 11/20/91 19

WELL CONSTRUCTOR CERTIFICATION:

I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

NAME Gresham Well Drilling (PERSON, FIRM, OR CORPORATION) (TYPE OR PRINT)

Address 3105 N. W. Lakeness Road, Poulsbo 98370

(Signed) (WELL DRILLER) License No. 0761

Contractor's Registration No. GRESHWD206NF Date November 26, 1991

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20 (10-87) 1329

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

25/26-34J

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT

STATE OF WASHINGTON

Application No. .....

Permit No. .....

(1) OWNER: Name David Lown Address 310 West Howe Street Seattle, WA 98119

(2) LOCATION OF WELL: County Kitsap — NE ¼ SE ¼ Sec. 34 T. 25 N., R. 2E W.M.

Bearing and distance from section or subdivision corner

(3) PROPOSED USE: Domestic [X] Industrial [ ] Municipal [ ]
Irrigation [ ] Test Well [ ] Other [ ]

(4) TYPE OF WORK: Owner's number of well (if more than one) .....
New well [X] Method: Dug [ ] Bored [ ]
Deepened [ ] Cable [X] Driven [ ]
Reconditioned [ ] Rotary [ ] Jetted [ ]

(5) DIMENSIONS: Diameter of well 6 inches.
Drilled 181 ft. Depth of completed well 181 ft.

(6) CONSTRUCTION DETAILS:

Casing installed: 6 " Diam. from 0 ft. to 181 ft.
Threaded [ ] ..." Diam. from ... ft. to ... ft.
Welded [X] ..." Diam. from ... ft. to ... ft.

Perforations: Yes [ ] No [X]
Type of perforator used .....
SIZE of perforations ... in. by ... in.
... perforations from ... ft. to ... ft.
... perforations from ... ft. to ... ft.
... perforations from ... ft. to ... ft.

Screens: Yes [X] No [ ]
Manufacturer's Name Johnson
Type Stainless Steel Model No. .....
Diam. 6 Slot size 12 from 175 ft. to 181 ft.
Diam. ... Slot size ... from ... ft. to ... ft.

Gravel packed: Yes [ ] No [X] Size of gravel: .....
Gravel placed from ... ft. to ... ft.

Surface seal: Yes [X] No [ ] To what depth? 22 ft.
Material used in seal Bentonite
Did any strata contain unusable water? Yes [ ] No [ ]
Type of water? ... Depth of strata ...
Method of sealing strata off .....

(7) PUMP: Manufacturer's Name .....
Type: ... H.P. ...

(8) WATER LEVELS: Land-surface elevation above mean sea level ... ft.
Static level 122 ft. below top of well Date 6-13-80
Artesian pressure ... lbs. per square inch Date ...
Artesian water is controlled by ... (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes [ ] No [ ] If yes, by whom? .....
Yield: ... gal./min. with ... ft. drawdown after ... hrs.
" " " "
" " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test 12
Bailer test ... gal./min. with 34 ft. drawdown after 2 hrs.
Artesian flow ... g.p.m. Date ...
Temperature of water ... Was a chemical analysis made? Yes [ ] No [ ]

(10) WELL LOG:

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL	FROM	TO
Top Soil	0	2
Brown Hardpan	2	15
Brown Gritty Clay	15	50
Brown Silt w/clay Binder	50	60
Brown Gritty Hardpan	60	71
Brown Sandy Silty Clay	71	95
Brown Gravelly Hardpan	95	100
Gray Brown Gravelly Hardpan	100	110
Brown Sandy Silty Clay Mix	110	117
Dirty Brown Sand, Gravel, Water	117	118
Brown Sandy Silty Clay Mixx	118	138
Brown Gravelly Hardpan, Water	138	142
Dirty Brown Sand, Gravel & Water	142	144
Brown Gravelly Hardpan	144	147
Brown Sand, Gravel & Water	147	149
Gray Brown Gritty Hardpan	149	159
Clean Sand, Gravel & Water	159	161
Brown Sandy Silt	161	167
Gray Brown Gravelly Hardpan, Water	167	176
Brownish Blue Sand & Gravel, Water	176	179
Brown Sand, Gravel & Water	179	181

JUL 14 1980

Work started June 5, 19 80 Completed June 13, 19 80

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME Burt Well Drilling, Inc.
(Person, firm, or corporation) (Type or print)

Address Rt. 1, Box 283 Poulsbo, WA 98370

[Signed] George Burt
(Well Driller)

License No. 0048 Date June 19, 19 80

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20

WATER WELL REPORT

DEPARTMENT OF ECOLOGY State of Washington

Type of Work:
☒ Construction
☐ Decommission ⟹ Original installation NOI No. _____

Notice of Intent No. WE50542
Unique Ecology Well ID Tag No. BMY539
Site Well Name (if more than one well): _____
Water Right Permit/Certificate No. _____
Property Owner Name DEVIN SMITH
Well Street Address ELLINGSEN RD NE
City BAINBRIDGE ISLAND County KITSAP
Tax Parcel No. 03250240162006
Was a variance approved for this well? ☐ Yes ☒ No
If yes, what was the variance for? _____

Proposed Use: ☒ Domestic ☐ Industrial ☐ Municipal ☐ Dewatering ☐ Irrigation ☐ Test Well ☐ Other _____

Construction Type: ☒ New well ☐ Alteration ☐ Deepening ☐ Other _____
Method: ☐ Driven ☐ Jetted ☒ Cable Tool ☐ Dug ☐ Air- ☐ Mud-Rotary

Dimensions: Diameter of boring 6 in., to 172 ft.
Depth of completed well 171 ft.

Construction Details:

Casing	Liner	Diameter	From	To	Wall Thickness	Steel	PVC	Welded	Thread
☒	☐	6 in.	+1.5	166	.250 in.	☒	☐	☒	☐
☐	☐	____ in.	____	____	____ in.	☐	☐	☐	☐
☐	☐	____ in.	____	____	____ in.	☐	☐	☐	☐
☐	☐	____ in.	____	____	____ in.	☐	☐	☐	☐

Perforations: ☐ Yes ☒ No Type of perforator used _____
No. of perforations ____ Size of perforations ____ in. by ____ in.
Perforated from ____ ft. to ____ ft. below ground surface

Screens: ☒ Yes ☐ No ☒ K-Packer ⟹ Depth 165 ft.
Manufacturer's Name JOHNSON
Type TELESCOPING Model No. _____
Diameter 6 in. Slot size .016 in. from 166 ft. to 171 ft.
Diameter ____ in. Slot size ____ in. from ____ ft. to ____ ft.

Sand/Filter pack: ☐ Yes ☒ No Size of pack material ____ in.
Materials placed from ____ ft. to ____ ft.

Surface Seal: ☒ Yes ☐ No To what depth? 18 ft.
Material used in seal BENTONITE CHIPS
Did any strata contain unusable water? ☐ Yes ☒ No
Type of water? _____ Depth of strata _____
Method of sealing strata off _____

Pump: Manufacturer's Name _____ Type: _____
H.P. ____ Pump intake depth: ____ ft. Designed flow rate: ____ gpm

Water Levels: Land-surface elevation above mean sea level 258 ft.
Stick-up of top of well casing 1.5 ft. above ground surface
Static water level 147 ft. below top of well casing Date 09/16/2022
Artesian pressure ____ lbs. per square inch Date _____
Artesian water is controlled by _____ (cap, valve, etc.)

Well Tests:
Was a pumping test performed? ☒ No ☐ Yes ⟹ by whom? _____
Yield ____ gpm with ____ ft. drawdown after ____ hrs.
Yield ____ gpm with ____ ft. drawdown after ____ hrs.
Yield ____ gpm with ____ ft. drawdown after ____ hrs.
Recovery data (time = zero when pump is turned off – water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of pumping test _____
Bailer test 20 gpm with 0 ft. drawdown after 3 hrs.
Air test ____ gpm with stem set at ____ ft. for ____ hrs. Date 09/16/2022
Artesian flow ____ gpm
Temperature of water ____ ° F Was a chemical analysis made? ☐ Yes ☒ No

Location (see instructions on page 2): ☐ WWM or ☒ EWM
NW ¼-¼ of the SE ¼; Section 3 Township 25N Range 2
Latitude (Example: 47.12345) 47.68386
Longitude (Example: -120.12345) 122.52897

Driller's Log/Construction or Decommission Procedure
Formation: Describe by color, character, size of material and structure, and the kind and nature of the material in each layer penetrated, with at least one entry for each change of information. Use additional sheets if necessary.

Material	From	To
BROWN SAND	0'	4'
BROWN SANDY CLAY & GRAVEL	4'	31'
BROWN SAND & GRAVEL W/B	31'	34'
BROWN HARDPAN	34'	46'
GRAY SAND	46'	53'
BROWN SAND	53'	67'
GRAY SAND & GRAVEL	67'	77'
GRAY GRAVELLY CLAY	77'	88'
GRAY SAND & GRAVEL	88'	114'
GRAY CLAY	114'	124'
BROWN TILL	124'	143'
GRAY SAND	143'	156'
GRAY SAND & GRAVEL W/B	156'	171'
BLUE CLAY	171'	?

Received
Department of Ecology
NOV 02 2022
Water Resources Program
NWRO

Start Date 09/09/2022 Completed Date 09/16/2022

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

☒ Driller ☐ Trainee ☐ PE – Print Name Donald B Lofall
Signature Donald B Lofall
License No. 1029
IF TRAINEE: Sponsor's License No.
Sponsor's Signature

Drilling Company LOFALL WELL DRILLING, INC.
Address 89 NW WESLEY WAY
City, State, Zip POULSBO
Contractor's Registration No. LOFALWD922BH Date 09/17/2022

ECY 050-1-20 (Rev 08/19) *If you need this document in an alternate format, please call the Water Resources Program at 360-407-6872. Persons with hearing loss can call 711 for Washington Relay Service. Persons with a speech disability can call 877-833-6341.*

The Department of Ecology does NOT warranty the Data and/or information on this well report.

File Original with
Department of Ecology
Second Copy - Owner's Copy
Third Copy - Driller's Copy

WATER WELL REPORT

STATE OF WASHINGTON

ENTERED

Notice of Intent W116366

UNIQUE WELL I.D. # AEK742

Water Right Permit No.

(1) **OWNER:** Name MR. EARL ECKLUND Address 8321 32ND AVENUE NW, SEATTLE, WA 98117

(2) **LOCATION OF WELL:** County KITSAP NE 1/4 SW 1/4 Sec 28 T 26 N.R. 2E WM

(2a) **STREET ADDRESS OF WELL:** (or nearest address) 16531 MARINER DRIVE NE

TAX PARCEL NO.: 4131-000-023-0007

26-2E-28L

(3) **PROPOSED USE:** [X] Domestic [ ] Industrial [ ] Municipal [ ] Irrigation [ ] Test Well [ ] Other [ ] DeWater

(4) **TYPE OF WORK:** Owner's number of well (if more than one)
[X] New Well Method: [ ] Dug [ ] Bored [ ] Deepened [X] Cable [ ] Driven [ ] Reconditioned [ ] Rotary [ ] Jetted [ ] Decommission

(5) **DIMENSIONS:** Diameter of well 6 inches
Drilled 95 feet. Depth of completed well 95 ft.

(6) **CONSTRUCTION DETAILS**
Casing Installed:
[X] Welded 6 " Diam. from 0 ft. to 90 ft.
[ ] Liner installed " Diam. from ft. to ft.
[ ] Threaded " Diam. from ft. to ft.

Perforations: [ ] Yes [X] No
Type of perforator used
SIZE of perforations in. by in.
perforations from ft. to ft.

Screens: [X] Yes [ ] No [ ] K-Pac Location
Manufacturer's Name WESCO
Type STAINLESS STEEL Model No.
Diam. 6 Slot Size 10 from 90 ft. to 95 ft.
Diam. Slot Size from ft. to ft.

Gravel/Filter packed: [ ] Yes [X] No [ ] Size of gravel/sand
Material placed from ft. to ft.

Surface seal: [X] Yes [ ] No To what depth? 18 ft.
Material used in seal BENTONITE
Did any strata contain unusable water? [ ] Yes [X] No
Type of water? Depth of strata
Method of sealing strata off

(7) **PUMP:** Manufacturer's Name GOULDS
Type: SUBMERSIBLE H.P. 3/4

(8) **WATER LEVELS:** Land-surface elevation above mean sea level ft.
Static level 18 ft. below top of well Date 2/11/00
Artesian pressure lbs. per square inch Date
Artesian water is controlled by
(Cap, valve, etc.)

(9) **WELL TESTS:** Drawdown is amount water level is lowered below static level
Was a pump test made? [X] Yes [ ] No If yes, by whom? GRESHAM
Yield: 20 gal./min. with 12 ft. drawdown after 1 hrs.
Yield: gal./min. with ft. drawdown after hrs.
Yield: gal./min. with ft. drawdown after hrs.
Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level
FULL RECOV. IN 2 MIN.					

Date of test 2/11/00
Bailer test 36 gal./min. with 16 ft. drawdown after 1 hrs.
Airtest gal./min. with ft. drawdown after hrs.
Artesian flow g.p.m. Date
Temperature of water 50 Was a chemical analysis made? [X] Yes [ ] No

(10) **WELL LOG or DECOMMISSIONING PROCEDURE DESCRIPTION**
Formation: Describe by color, character, size of material and structure, and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of information. Indicate all water encountered.

MATERIAL	FROM	TO
OVERBURDEN	0	2
BROWN GRAVELLY HARDPAN	2	11
GRAY GRAVELLY HARDPAN	11	26
GRAY CLAY	26	35
GRAY SILTY SAND & CLAY	35	39
BROWN SAND	39	48
GRAY SAND	48	68
GRAY CLAY	68	78
GRAY SANDY SILTY CLAY	78	81
GRAY SAND & GRAVEL, H20	81	95
"TOTAL SCREEN ASSEMB. 7'5½"		

RECEIVED
MAR 28 2000
NWRO
DEPT OF ECOLOGY

Work Started 1/18/00 Completed 1/20/00

WELL CONSTRUCTION CERTIFICATION:

I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

Type or Print Name CRAIG A. GRESHAM License No. 0761
(Licensed Driller/Engineer)

Trainee Name License No.

Drilling Company GRESHAM WELL DRILLING INC

(Signed) License No. 0761
(Licensed Driller/Engineer)

Address P.O. BOX 1600, POULSBO, WA 98370-0195

Contractor's Registration No. GRESHWD055BC Date 2/04/00

(USE ADDITIONAL SHEETS IF NECESSARY)

Ecology is an Equal Opportunity and Affirmative Action employer. For special accommodation needs, contact the Water Resources Program at (360) 407-6600. The TDD number is (360) 407-6006.

ECY 050-1-20 (11/98)

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

Map No.

Town Winslow, Wash. ✓
Company
Farm E. F. Nelson
Authority N. C. Jannsen
Elevation
Collector W. Warren
Confidential No
~~ate 12-4-30~~

No. R. 2 E. W.

T. 25 N.

Sec. 26, 27

No.	STRATA	Thickness Feet	Thickness In.	Depth Feet	Depth In
1.	Old well	67		67	
	Glacial drift				
2.	Sand	28		95	
3.	Sand, brown	2		97	
4.	"Shale", blue, sandy (clay of silt?)	40		137	
5.	"shale" (clay or silt), blue	4		141	
6.	Clay, blue, sandy	14		155	
7.	Sand, water at 157'	4		159	
8.	Sand, black, very fine	12		171	
9.	Sand, 95 gallons of water in 10 minutes.	4		175	

County KITSAP

Index No. Kp 08(26.94)

of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

WELL D

1140148

WATER WELL REPORT

STATE OF WASHINGTON

Start Card No W113141
Unique Well I D # AEN678
Water Right Permit No 394 8215

(1) OWNER Name GOETHALS, AL Address 5400 DIAMOND DRIVE N E BAINBRIDGE IS WA 98110

(2) LOCATION OF WELL County KITSAP - SW 1/4 SE 1/4 Sec 33 T 25 N , R 2E WM
(2a) STREET ADDRESS OF WELL (or nearest address) SAME, BAINBRIDGE IS

(3) PROPOSED USE PUBLIC WATER S

(4) TYPE OF WORK Owner's Number of well (If more than one)
NEW WELL Method ROTARY

(5) DIMENSIONS Diameter of well 8 inches
Drilled 66 ft Depth of completed well 66 ft

(6) CONSTRUCTION DETAILS
Casing installed 8 " Dia from 0 ft to 52 ft
WELDED " Dia from ft to ft
" Dia from ft to ft

Perforations NO
Type of perforator used
SIZE of perforations in by in
perforations from ft to ft
perforations from ft to ft
perforations from ft to ft

Screens YES
Manufacturer's Name JOHNSON
Type STAINLESS Model No
Diam 7 slot size 12 from 51 ft to 66 ft
Diam slot size from ft to ft

Gravel packed NO Size of gravel
Gravel placed from ft to ft

Surface seal YES To what depth? 18 ft
Material used in seal BENTONITE
Did any strata contain unusable water? NO
Type of water? Depth of strata ft
Method of sealing strata off

(7) PUMP Manufacturer's Name
Type SUBMERSIBLE H P

(8) WATER LEVELS Land surface elevation above mean sea level ft
Static level 5 ft below top of well Date 04/18/00
Artesian Pressure lbs per square inch Date
Artesian water controlled by

(10) WELL LOG

Formation Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change in formation

MATERIAL	FROM	TO
BROWN FILL	0	2
BROWN PEAT CLAY	2	18
BROWN DIRTY SILTY SAND	18	37
GREY SILTY CLAY	37	41
BROWN SILTY SAND WATER	41	51
GREY SAND GRAVEL & WATER	51	64
GREY CLAY & GRAVEL	64	

Work started 04/06/00 Completed 04/18/00

(9) WELL TESTS Drawdown is amount water level is lowered below static level
Was a pump test made? NO If yes, by whom?
Yield gal /min with ft drawdown after hrs

Recovery data
Time Water Level Time Water Level Time Water Level

Date of test / /
Bailer test 20 gal/min 5 ft drawdown after 25 hrs
Air test gal/min w/ stem set at ft for hrs
Artesian flow g p m Date
Temperature of water Was a chemical analysis made? NO

WELL CONSTRUCTOR CERTIFICATION
I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards Materials used and the information reported above are true to my best knowledge and belief

NAME DUCKWORTH PUMP & DRILLING
(Person, firm, or corporation) (Type or print)

ADDRESS 18365 DIAMOND DRIVE NE

[SIGNED] Donald D. Duckworth License No 148 1147

Contractor's
Registration No DUCKWPW148CJ Date 04/27/00

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

WELL C

File Original and First Copy with Department of Ecology
Second Copy—Owner s Copy
Third Copy—Driller s Copy

WATER WELL REPORT

STATE OF WASHINGTON

Start Card No AAC 779 DOE

Water Right Permit No G1-25281C

(1) OWNER Name Al Goethals Address 5400 Diamond Dr NE, Bremerton WA 98110

(2) LOCATION OF WELL County Kitsap SW ¼ SE ¼ Sec 33 T 25 N R 2E WM

(2a) STREET ADDDRESS OF WELL (or nearest address)

(3) PROPOSED USE ☐ Domestic ☐ Industrial ☐ Municipal ☐ ☐ Irrigation ☐ Test Well ☐ Other ☐ ☐ DeWater

(4) TYPE OF WORK Owner s number of well (if more than one) 3

Abandoned ☐ New well ☒ Method Dug ☐ Bored ☐ Deepened ☐ Cable ☒ Driven ☐ Reconditioned ☐ Rotary ☐ Jetted ☐

(5) DIMENSIONS Diameter of well 8 inches Drilled 61 feet Depth of completed well 53 ft

(6) CONSTRUCTION DETAILS

Casing installed 8 Diam from 0 ft to ft

Welded ☐ Liner installed ☐ Threaded ☐ Diam from ft to ft

Diam from ft to ft

Perforations Yes ☐ No ☒

Type of perforator used

SIZE of perforations in by in

perforations from ft to ft

perforations from ft to ft

perforations from ft to ft

Screens Yes ☒ No ☐

Manufacturer s Name Cook

Type Tele Model No

Diam 8 Slot size 12 from 43 ft to 48 ft

Diam 8 Slot size 12 from 48 ft to 53 ft

Gravel packed Yes ☐ No ☒ Size of gravel

Gravel placed from ft to ft

Surface seal Yes ☒ No ☐ To what depth? 20 ft

Material used in seal Bentinite

Did any strata contain unusable water? Yes ☐ No ☒

Type of water? Depth of strata

Method of sealing strata off

(7) PUMP Manufacturer s Name

Type H P

(8) WATER LEVELS Land surface elevation above mean sea level ft

Static level ft below top of well Date

Artesian pressure lbs per square inch Date

Artesian water is controlled by (Cap valve etc))

(9) WELL TESTS Drawdown is amount water level is lowered below static level

Was a pump test made Yes ☐ No ☐ If yes by whom?

Yield 7 gal /min with 436" ft drawdown after 5 hrs

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test

Bailer test 40 gal /min with 14 ft drawdown after 7 hrs

Airtest gal /min with stem set at ft for hrs

Artesian flow g p m Date

Temperature of water Was a chemical analysis made? Yes ☐ No ☐

(10) WELL LOG or ABANDONMENT PROCEDURE DESCRIPTION

Formation Describe by color character size of material and structure and show thickness of aquifers and the kind and nature of the material in each stratum penetrated with at least one entry for each change of information

MATERIAL	FROM	TO
Fill Dirt	0	4
Brown peat	4	20
Brown sand + Gravel	20	39
Brown clay + Gravel	39	46'6"
Brown Sand & fly with water	466	48
Brown coarse gravel + water	48	53
Brown silty clay + Gravel	53	61
open hole clay		

Work started 4-24 19 90 Completed 5-10 19 90

WELL CONSTRUCTOR CERTIFICATION

I constructed and/or accept responsibility for construction of this well and its compliance with all Washington well construction standards Materials used and the information reported above are true to my best knowledge and belief

NAME Duckworth Pump + Well Drilling (PERSON FIRM OR CORPORATION) (TYPE OR PRINT)

Address 18365 Diamond Drive NE, Poulsbo 98370

(Signed) Donald D Duckworth (WELL DRILLER) License No 1147

Contractor s Registration No DUCKWPW Date 5-15 19 90

(USE ADDITIONAL SHEETS IF NECESSARY)

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

File Original and First Copy with Department of Ecology
Second Copy—Owner's Copy
Third Copy—Driller's Copy

WATER WELL REPORT

STATE OF WASHINGTON

Start Card No. [redacted]

Water Right Permit No 25/2/3?Q

(1) OWNER: Name Al Goethals Address 5400 Diamond Dr. NE, B.I.W. 98110

(2) LOCATION OF WELL: County Kitsap SW ¼ SE ¼ Sec 33 T 25 N., R 2E W.M

(2a) STREET ADDDRESS OF WELL (or nearest address) Same

(3) PROPOSED USE: ☐ Domestic ☐ Industrial ☐ Municipal ☐ ☐ Irrigation ☐ Test Well ☐ Other ☐ ☐ DeWater

(4) TYPE OF WORK: Owner's number of well (if more than one) 3

Abandoned ☐ New well ☒ Method: Dug ☐ Bored ☐ Deepened ☐ Cable ☒ Driven ☐ Reconditioned ☐ Rotary ☐ Jetted ☐

(5) DIMENSIONS: Diameter of well 8 inches. Drilled 61 feet. Depth of completed well 53 ft.

(6) CONSTRUCTION DETAILS:

Casing Installed: 8 " Diam. from 0 ft. to ____ ft.
Welded ☐ ____ " Diam. from ____ ft. to ____ ft.
Liner installed ☐
Threaded ☐ ____ " Diam. from ____ ft. to ____ ft.

Perforations: Yes ☐ No ☒
Type of perforator used ____
SIZE of perforations ____ in. by ____ in.
____ perforations from ____ ft. to ____ ft.
____ perforations from ____ ft. to ____ ft.
____ perforations from ____ ft. to ____ ft.

Screens: Yes ☒ No ☐
Manufacturer's Name Cook
Type Telt Model No. ____
Diam 8 Slot size 12 from 43 ft. to 48 ft.
Diam 8 Slot size 12 from 48 ft. to 53 ft.

Gravel packed: Yes ☐ No ☒ Size of gravel ____
Gravel placed from ____ ft. to ____ ft.

Surface seal: Yes ☒ No ☐ To what depth? 20 ft.
Material used in seal Bentinite
Did any strata contain unusable water? Yes ☐ No ☒
Type of water? ____ Depth of strata ____
Method of sealing strata off ____

(7) PUMP: Manufacturer's Name ____
Type: ____ H.P. ____

(8) WATER LEVELS: Land-surface elevation above mean sea level ____ ft.
Static level ____ ft. below top of well Date ____
Artesian pressure ____ lbs. per square inch Date ____
Artesian water is controlled by ____ (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☐ No ☐ If yes, by whom? ____
Yield: 72 gal./min. with 43'6" ft. drawdown after 5 hrs.
" " " "
" " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test ____
Bailer test 40 gal./min. with 14 ft. drawdown after 7 hrs.
Airteet ____ gal./min. with stem set at ____ ft. for ____ hrs.
Artesian flow ____ g.p.m. Date ____
Temperature of water ____ Was a chemical analysis made? Yes ☐ No ☐

(10) WELL LOG or ABANDONMENT PROCEDURE DESCRIPTION

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of information.

MATERIAL	FROM	TO
Fill Dirt	0	4
Brown peat	4	20
Brown sand & Gravel	20	39
Brown clay & Gravel	39	46'6"
Brown Sand dirty with water	46'6"	48
Brown coarse gravel & water	48	53
Brown silty clay & Gravel	53	61
open hole clay		

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JUN 16 1992
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Work started 4-24, 19 90 Completed 5-10, 19 90

WELL CONSTRUCTOR CERTIFICATION:

I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

NAME Duckworth Pump & Well Drilling (PERSON, FIRM, OR CORPORATION) (TYPE OR PRINT)

Address 18365 Diamond Drive NE, Poulsbo 98370

(Signed) Donald D Duckworth (WELL DRILLER) License No. 1147

Contractor's Registration No. DUCKWPW Date 5-15, 19 90

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1 20 (10/87) -1329-

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

File Original and First Copy with Department of Ecology
Second Copy—Owner's Copy
Third Copy—Driller's Copy

WATER WELL REPORT

STATE OF WASHINGTON

Start Card No. C77224

Water Right Permit No. G1-22966

(1) OWNER: Name Al Goethals Address 5400 Diamond Dr NE Bainbridge 98110

(2) LOCATION OF WELL: County Kitsap SW ¼ SE ¼ Sec. 33 T. 25 N. R. 2E W.M.

(2a) STREET ADDDRESS OF WELL (or nearest address)

(3) PROPOSED USE: [ ] Domestic [ ] Industrial [ ] Municipal [ ] Irrigation [ ] Test Well [ ] Other [ ] DeWater

(4) TYPE OF WORK: Owner's number of well (if more than one) 3
Abandoned [ ] New well [✓] Method: Dug [✓] Bored [ ] Deepened [ ] Cable [ ] Driven [ ] Reconditioned [ ] Rotary [ ] Jetted [ ]

(5) DIMENSIONS: Diameter of well 8 inches. Drilled 61 feet. Depth of completed well 53 ft.

(6) CONSTRUCTION DETAILS:
Casing Installed: 8" Diam. from 0 ft. to 45'10" ft.
Welded [ ] Liner installed [ ] Threaded [ ] _____ " Diam. from _____ ft. to _____ ft.
Perforations: Yes [ ] No [✓]
Type of perforator used
SIZE of perforations _____ in. by _____ in.
_____ perforations from _____ ft. to _____ ft.
_____ perforations from _____ ft. to _____ ft.
_____ perforations from _____ ft. to _____ ft.
Screens: Yes [✓] No [ ]
Manufacturer's Name COOK
Type tele Model No.
Diam. 8" Slot size 12 from 43 ft. to 48 ft.
Diam. _____ Slot size 12 from 48 ft. to 53 ft.
Gravel packed: Yes [ ] No [✓] Size of gravel
Gravel placed from _____ ft. to _____ ft.
Surface seal: Yes [✓] No [ ] To what depth? 20 ft.
Material used in seal Bentonite
Did any strata contain unusable water? Yes [ ] No [ ]
Type of water? _____ Depth of strata.
Method of sealing strata off

(7) PUMP: Manufacturer's Name
Type: H.P.

(8) WATER LEVELS: Land-surface elevation above mean sea level ft.
Static level Artesian ft. below top of well Date May 14 1990
Artesian pressure lbs. per square inch Date
Artesian water is controlled by (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes [ ] No [ ] If yes, by whom? Dan
Yield: 70 gal./min. with 43'6 ft. drawdown after 5 hrs.

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level
1 min	30'6"	4 min	18'8"	15	11'7"
2 min	24'5"	5 min	17'4"	30	8'6"
3 min	21'	10 min	13'6"	60	5'11
Date of test	May 14, 1990			120	0

Bailer test 40 gal./min. with 14 ft. drawdown after 2 hrs.
Airtest gal./min. with stem set at ft. for hrs.
Artesian flow g.p.m. Date
Temperature of water Was a chemical analysis made? Yes [ ] No [ ]

(10) WELL LOG or ABANDONMENT PROCEDURE DESCRIPTION

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of information

MATERIAL	FROM	TO
Fill	0	4
Brn Peat	4	20
Brn Sand & gravel	20	39
Brn clay & gravel	39	45'6"
Brn Sand & water	45'6"	48
Brn Sand gravel & water	48	53
Weeping gray clay & gravel	53	61
open hole		

Work started April 24, 1990 Completed May 10, 1990

WELL CONSTRUCTOR CERTIFICATION:

I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

NAME Duckworth Pump & Well Drilling (PERSON, FIRM, OR CORPORATION) (TYPE OR PRINT)
Address 18365 Diamond Dr. Poulsbo
(Signed) Donald D Duckworth (WELL DRILLER) License No. 1147
Contractor's Registration No. DUCKWPW148CJ Date 5-15, 1990

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20 (10/87) -1329-

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

25/02-33N

First Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT
STATE OF WASHINGTON

Application No.
Permit No. GI-22966P

(1) OWNER: Name Mr. Albert Goethals Address 7563 NE Emerald Way, B.I.

(2) LOCATION OF WELL: County North Kitsap — SW ¼ SW ¼ Sec. 33 T. 25 N., R. 2E W.M.

Bearing and distance from section or subdivision corner

(3) PROPOSED USE: Domestic ☒ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

(4) TYPE OF WORK: Owner's number of well (if more than one)
New well ☒ Method: Dug ☐ Bored ☐
Deepened ☐ Cable ☒ Driven ☐
Reconditioned ☐ Rotary ☐ Jetted ☐

(5) DIMENSIONS: Diameter of well 8 inches.
Drilled 54 ft. Depth of completed well 54 ft.

(6) CONSTRUCTION DETAILS:

Casing installed: 8 " Diam. from 0 ft. to 54 ft.
Threaded ☐ " Diam. from ft. to ft.
Welded ☒ " Diam. from ft. to ft.

Perforations: Yes ☐ No ☒
Type of perforator used
SIZE of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

Screens: Yes ☒ No ☐
Manufacturer's Name Johnson
Type stainless steel Model No.
Diam. 8 Slot size 14/12 from 34 ft. to 44 ft.
Diam. 8 Slot size 12/8 from 44 ft. to 54 ft.

Gravel packed: Yes ☐ No ☒ Size of gravel:
Gravel placed from ft. to ft.

Surface seal: Yes ☒ No ☐ To what depth? 18 ft.
Material used in seal Bentonite - Cement
Did any strata contain unusable water? Yes ☐ No ☒
Type of water? Depth of strata
Method of sealing strata off

(7) PUMP: Manufacturer's Name
Type: H.P.

(8) WATER LEVELS: Land-surface elevation above mean sea level 50 ft.
Static level 0 ft. below top of well Date 6-6-79
Artesian pressure lbs. per square inch Date
Artesian water is controlled by (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☒ No ☐ If yes, by whom? Driller
Yield: 30 gal./min. with 50.6 ft. drawdown after 2 hrs.
" " " "
" " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level
XXXXXXXXXX					
8' in 5 min.					

Date of test
Bailer test 30 gal./min. with ft. drawdown after hrs.
Artesian flow g.p.m. Date
Temperature of water 50 Was a chemical analysis made? Yes ☒ No ☐

(10) WELL LOG:

Formation: *Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.*

MATERIAL	FROM	TO
Peat bog	0	7
Brown sandy clay	7	28
Sand H20- "fine brown"	28	41
Brown clay	41	42
Sand & gravel	42	49
Blue schale	49	50
Blue sand & gravel	50	54
Blue clay	54	

Work started June 6, 1979 Completed June 11, 1979

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME Gresham Well Drilling (Person, firm, or corporation) (Type or print)

Address 3105 NW Lakeness Rd. Poulsbo

[Signed] (Well Driller)

License No. 0761 Date June 11, 1979

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

WELL B

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT

STATE OF WASHINGTON

Application No AAC-778 DOE
Permit No 61229466

(1) OWNER Name AL GOETHALS Address 5400 DIAMOND DR. NE, BAINB. IS WA. 98110

(2) LOCATION OF WELL County KITSAP SE 1/4 SW 1/4 SE 1/4 Sec 33 T 25 N R 2E WM

Bearing and distance from section or subdivision corner

(3) PROPOSED USE Domestic ☐ Industrial ☐ Municipal ☒
Irrigation ☐ Test Well ☐ Other ☐

(4) TYPE OF WORK Owner's number of well (if more than one) 3
New well ☒ Method Dug ☐ Bored ☐
Deepened ☐ Cable ☒ Driven ☐
Reconditioned ☐ Rotary ☐ Jetted ☐

(5) DIMENSIONS Diameter of well 8 inches
Drilled 61 ft Depth of completed well 61 ft

(6) CONSTRUCTION DETAILS

Casing installed 8 Diam from 0 ft to 52 ft
Threaded ☐ Diam from ft to ft
Welded ☐ Diam from ft to ft

Perforations Yes ☐ No ☒
Type of perforator used
SIZE of perforations in by in
perforations from ft to ft
perforations from ft to ft
perforations from ft to ft

Screens. Yes ☒ No ☐
Manufacturer's Name JOHNSON
Type SS Model No
Diam 6 Slot size 12 from 52 ft to 61 ft
Diam Slot size from ft to ft

Gravel packed Yes ☐ No ☒ Size of gravel
Gravel placed from ft to ft

Surface seal Yes ☒ No ☐ To what depth? 20 ft
Material used in seal BENTONITE
Did any strata contain unusable water? Yes ☐ No ☒
Type of water? Depth of strata
Method of sealing strata off

(7) PUMP Manufacturer's Name
Type 548 H.P. 5

(8) WATER LEVELS Land-surface elevation above mean sea level ft
Static level 2 ft ~~below~~ top of well Date 5-13-81
Artesian pressure lbs per square inch Date
Artesian water is controlled by (Cap valve etc)

(9) WELL TESTS Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☒ No ☐ If yes by whom? MILLER
Yield 50 gal/min with 50.5 ft drawdown after 8 hrs

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test 5-22-81
Bailer test 30 gal/min with 40 ft drawdown after 4 hrs
Artesian flow g.p.m. Date
Temperature of water Was a chemical analysis made? Yes ☐ No ☐

(10) WELL LOG

Formation *Describe by color, character, size of material and structure and show thickness of aquifers and the kind and nature of the material in each stratum penetrated with at least one entry for each change of formation*

MATERIAL	FROM	TO
~~Surface~~		
FILL	0	1
PEAT CLAY BR	1	9
CLAY SAND GRAV BR	9	19
CLAY COBBLES	19	21
CLAY SAND	21	45
CLAY BLUE	45	47
SAND GRAVEL (W)	47	60
SAND CLAY BLUE	60	61

Work started 5-5 19 81 Completed 5-22 19 81

WELL DRILLER'S STATEMENT

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief

NAME McCoy Drilling & Well Dev Co.
(Person firm or corporation) (Type or print)

Address 2401 S. Bayview St. Seattle, Wa. 98144

[Signed] (Well Driller)

License No 0120 Date 5-22, 1981

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

25/12-33Q

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT
STATE OF WASHINGTON

Application No. ...
Permit No. ... G1-22966

(1) **OWNER:** Name AL GOETHALS Address 5400 DIAMOND DR. NE, BAINB. I. WA. 98110

(2) **LOCATION OF WELL:** County KITSAP SE 1/4 SW 1/4 SE 1/4 Sec. 33 T. 25 N., R. 2E W.M.

Bearing and distance from section or subdivision corner

(3) **PROPOSED USE:** Domestic ☐ Industrial ☐ Municipal ☑
Irrigation ☐ Test Well ☐ Other ☐

(4) **TYPE OF WORK:** Owner's number of well (if more than one) 2
New well ☒ Method: Dug ☐ Bored ☐
Deepened ☐ Cable ☑ Driven ☐
Reconditioned ☐ Rotary ☐ Jetted ☐

(5) **DIMENSIONS:** Diameter of well 8 inches.
Drilled 61 ft. Depth of completed well 61 ft.

(6) **CONSTRUCTION DETAILS:**

Casing installed: 8 " Diam. from 0 ft. to 52 ft.
Threaded ☐ " Diam. from ... ft. to ... ft.
Welded ☐ " Diam. from ... ft. to ... ft.

Perforations: Yes ☐ No ☒
Type of perforator used ...
SIZE of perforations ... in. by ... in.
... perforations from ... ft. to ... ft.
... perforations from ... ft. to ... ft.
... perforations from ... ft. to ... ft.

Screens: Yes ☒ No ☐
Manufacturer's Name JOHNSON
Type S.S. Model No. ...
Diam. 6 Slot size 12 from 52 ft. to 61 ft.
Diam. ... Slot size ... from ... ft. to ... ft.

Gravel packed: Yes ☐ No ☒ Size of gravel: ...
Gravel placed from ... ft. to ... ft.

Surface seal: Yes ☒ No ☐ To what depth? 20 ft.
Material used in seal BENTONITE
Did any strata contain unusable water? Yes ☐ No ☑
Type of water? ... Depth of strata ...
Method of sealing strata off ...

(7) **PUMP:** Manufacturer's Name ...
Type: SUB. H.P. 5

(8) **WATER LEVELS:** Land-surface elevation above mean sea level ... ft.
Static level 2 ft. below top of well Date 5-13-81
Artesian pressure ... lbs. per square inch Date ...
Artesian water is controlled by ... (Cap, valve, etc.)

(9) **WELL TESTS:** Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☒ No ☐ If yes, by whom? DRILLER
Yield: 50 gal./min. with 50.5 ft. drawdown after 8 hrs.
" " " "
" " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test 5-22-81
Bailer test 30 gal./min. with 40 ft. drawdown after 4 hrs.
Artesian flow ... g.p.m. Date ...
Temperature of water ... Was a chemical analysis made? Yes ☐ No ☐

(10) **WELL LOG:**

Formation: *Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.*

MATERIAL	FROM	TO
FILL	0	1
PEAT CLAY BR	1	9
CLAY SAND GRAV. BR	9	19
CLAY COBBLES	19	21
CLAY SAND	21	45
CLAY BLUE	45	47
SAND GRAVEL (W)	47	60
SAND CLAY BLUE	60	61

Work started 5-5, 19 81 Completed 5-22, 19 81

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME McCoy DRILLING & WELL DEV. CO.
(Person, firm, or corporation) (Type or print)

Address 2401 S. RAINIER ST. SEATTLE WA. 98144

[Signed] Matt N. Fry
(Well Driller)

License No. 0120 Date 5-22, 1981

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

WELL C

File Original and First Copy with Department of Ecology
Second Copy—Owner s Copy
Third Copy—Driller s Copy

WATER WELL REPORT

STATE OF WASHINGTON

Start Card No AAC 779 DOE

Water Right Permit No G1-25281C

(1) OWNER Name Al Goethals Address 5400 Diamond Dr NE, Bremerton WA 98110

(2) LOCATION OF WELL County Kitsap SW ¼ SE ¼ Sec 33 T 25 N R 2E WM

(2a) STREET ADDDRESS OF WELL (or nearest address)

(3) PROPOSED USE ☐ Domestic ☐ Irrigation ☐ DeWater ☐ Industrial ☐ Test Well ☐ Municipal ☐ Other ☐

(4) TYPE OF WORK Owner s number of well (if more than one) 3

Abandoned ☐ New well ☒ Deepened ☐ Reconditioned ☐ Method Dug ☐ Cable ☒ Rotary ☐ Bored ☐ Driven ☐ Jetted ☐

(5) DIMENSIONS Diameter of well 8 inches

Drilled 61 feet Depth of completed well 53 ft

(6) CONSTRUCTION DETAILS

Casing installed 8 Diam from 0 ft to ft

Welded ☐ Liner installed ☐ Threaded ☐ Diam from ft to ft

Diam from ft to ft

Perforations Yes ☐ No ☒

Type of perforator used

SIZE of perforations in by in

perforations from ft to ft

perforations from ft to ft

perforations from ft to ft

Screens Yes ☒ No ☐

Manufacturer s Name Cook

Type Tele Model No

Diam 8 Slot size 12 from 43 ft to 48 ft

Diam 8 Slot size 12 from 48 ft to 53 ft

Gravel packed Yes ☐ No ☒ Size of gravel

Gravel placed from ft to ft

Surface seal Yes ☒ No ☐ To what depth? 20 ft

Material used in seal Bentinite

Did any strata contain unusable water? Yes ☐ No ☒

Type of water? Depth of strata

Method of sealing strata off

(7) PUMP Manufacturer s Name

Type H P

(8) WATER LEVELS Land surface elevation above mean sea level ft

Static level ft below top of well Date

Artesian pressure lbs per square inch Date

Artesian water is controlled by (Cap valve etc))

(9) WELL TESTS Drawdown is amount water level is lowered below static level

Was a pump test made Yes ☐ No ☐ If yes by whom?

Yield 7 gal /min with 436" ft drawdown after 5 hrs

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test

Bailer test 40 gal /min with 14 ft drawdown after 7 hrs

Airtest gal /min with stem set at ft for hrs

Artesian flow g p m Date

Temperature of water Was a chemical analysis made? Yes ☐ No ☐

(10) WELL LOG or ABANDONMENT PROCEDURE DESCRIPTION

Formation Describe by color character size of material and structure and show thickness of aquifers and the kind and nature of the material in each stratum penetrated with at least one entry for each change of information

MATERIAL	FROM	TO
Fill Dirt	0	4
Brown peat	4	20
Brown sand + Gravel	20	39
Brown clay + Gravel	39	46'6"
Brown Sand & fly with water	466	48
Brown coarse gravel + water	48	53
Brown silty clay + Gravel	53	61
open hole clay		

Work started 4-24 19 90 Completed 5-10 19 90

WELL CONSTRUCTOR CERTIFICATION

I constructed and/or accept responsibility for construction of this well and its compliance with all Washington well construction standards Materials used and the information reported above are true to my best knowledge and belief

NAME Duckworth Pump + Well Drilling (PERSON FIRM OR CORPORATION) (TYPE OR PRINT)

Address 18365 Diamond Drive NE, Poulsbo 98370

(Signed) Donald D Duckworth (WELL DRILLER) License No 1147

Contractor s Registration No DUCKWPW Date 5-15 19 90

(USE ADDITIONAL SHEETS IF NECESSARY)

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

File Original and First Copy with Department of Ecology
Second Copy—Owner's Copy
Third Copy—Driller's Copy

WATER WELL REPORT

STATE OF WASHINGTON

Start Card No. [redacted]

Water Right Permit No 25/2/3520

(1) OWNER: Name Al Goethals Address 5400 Diamond Dr. NE, B.I.W. 98110

(2) LOCATION OF WELL: County Kitsap SW ¼ SE ¼ Sec 33 T 25 N., R 2E W.M

(2a) STREET ADDDRESS OF WELL (or nearest address) Same

(3) PROPOSED USE: ☐ Domestic ☐ Industrial ☐ Municipal ☐ ☐ Irrigation ☐ Test Well ☐ Other ☐ ☐ DeWater

(4) TYPE OF WORK: Owner's number of well (if more than one) 3
Abandoned ☐ New well ☒ Method: Dug ☐ Bored ☐ Deepened ☐ Cable ☒ Driven ☐ Reconditioned ☐ Rotary ☐ Jetted ☐

(5) DIMENSIONS: Diameter of well 8 inches. Drilled 61 feet. Depth of completed well 53 ft.

(6) CONSTRUCTION DETAILS:
Casing Installed: 8 " Diam. from 0 ft. to ____ ft.
Welded ☐ Liner installed ☐ Threaded ☐ ____ " Diam. from ____ ft. to ____ ft.
____ " Diam. from ____ ft. to ____ ft.

Perforations: Yes ☐ No ☒
Type of perforator used ____
SIZE of perforations ____ in. by ____ in.
____ perforations from ____ ft. to ____ ft.
____ perforations from ____ ft. to ____ ft.
____ perforations from ____ ft. to ____ ft.

Screens: Yes ☒ No ☐
Manufacturer's Name Cook
Type Telt Model No. ____
Diam 8 Slot size 12 from 43 ft. to 48 ft.
Diam 8 Slot size 12 from 48 ft. to 53 ft.

Gravel packed: Yes ☐ No ☒ Size of gravel ____
Gravel placed from ____ ft. to ____ ft.

Surface seal: Yes ☒ No ☐ To what depth? 20 ft.
Material used in seal Bentinite
Did any strata contain unusable water? Yes ☐ No ☒
Type of water? ____ Depth of strata ____
Method of sealing strata off ____

(7) PUMP: Manufacturer's Name ____
Type: ____ H.P. ____

(8) WATER LEVELS: Land-surface elevation above mean sea level ____ ft.
Static level ____ ft. below top of well Date ____
Artesian pressure ____ lbs. per square inch Date ____
Artesian water is controlled by ____ (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☐ No ☐ If yes, by whom? ____
Yield: 72 gal./min. with 43'6" ft. drawdown after 5 hrs.
" " " "
" " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test ____
Bailer test 40 gal./min. with 14 ft. drawdown after 7 hrs.
Airteet ____ gal./min. with stem set at ____ ft. for ____ hrs.
Artesian flow ____ g.p.m. Date ____
Temperature of water ____ Was a chemical analysis made? Yes ☐ No ☐

(10) WELL LOG or ABANDONMENT PROCEDURE DESCRIPTION

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of information.

MATERIAL	FROM	TO
Fill Dirt	0	4
Brown peat	4	20
Brown sand & Gravel	20	39
Brown clay & Gravel	39	46'6"
Brown Sand dirty with water	46'6"	48
Brown coarse gravel & water	48	53
Brown silty clay & Gravel	53	61
open hole clay		

RECEIVED
JUN 16 1992
DEPT. OF ECOLOGY

Work started 4-24, 19 90 Completed 5-10, 19 90

WELL CONSTRUCTOR CERTIFICATION:
I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

NAME Duckworth Pump & Well Drilling (PERSON, FIRM, OR CORPORATION) (TYPE OR PRINT)
Address 18365 Diamond Drive NE, Poulsbo 98370
(Signed) Donald D Duckworth (WELL DRILLER) License No. 1147
Contractor's Registration No. DUCKWPW Date 5-15, 1990

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1 20 (10/87) -1329-

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

File Original and First Copy with Department of Ecology
Second Copy—Owner's Copy
Third Copy—Driller's Copy

WATER WELL REPORT

STATE OF WASHINGTON

Start Card No. C77224

Water Right Permit No. G1-22966

(1) OWNER: Name Al Goethals Address 5400 Diamond Dr NE Bainbridge 98110

(2) LOCATION OF WELL: County Kitsap SW ¼ SE ¼ Sec. 33 T. 25 N. R. 2E W.M.

(2a) STREET ADDDRESS OF WELL (or nearest address)

(3) PROPOSED USE: [ ] Domestic [ ] Industrial [ ] Municipal [ ] Irrigation [ ] Test Well [ ] Other [ ] DeWater

(4) TYPE OF WORK: Owner's number of well (if more than one) 3
Abandoned [ ] New well [✓] Method: Dug [✓] Bored [ ] Deepened [ ] Cable [ ] Driven [ ] Reconditioned [ ] Rotary [ ] Jetted [ ]

(5) DIMENSIONS: Diameter of well 8 inches. Drilled 61 feet. Depth of completed well 53 ft.

(6) CONSTRUCTION DETAILS:
Casing Installed: 8" Diam. from 0 ft. to 45'10" ft.
Welded [ ] Liner installed [ ] Threaded [ ] _____ " Diam. from _____ ft. to _____ ft.
Perforations: Yes [ ] No [✓]
Type of perforator used
SIZE of perforations _____ in. by _____ in.
_____ perforations from _____ ft. to _____ ft.
_____ perforations from _____ ft. to _____ ft.
_____ perforations from _____ ft. to _____ ft.
Screens: Yes [✓] No [ ]
Manufacturer's Name COOK
Type tele Model No.
Diam. 8" Slot size 12 from 43 ft. to 48 ft.
Diam. _____ Slot size 12 from 48 ft. to 53 ft.
Gravel packed: Yes [ ] No [✓] Size of gravel
Gravel placed from _____ ft. to _____ ft.
Surface seal: Yes [✓] No [ ] To what depth? 20 ft.
Material used in seal Bentonite
Did any strata contain unusable water? Yes [ ] No [ ]
Type of water? _____ Depth of strata.
Method of sealing strata off

(7) PUMP: Manufacturer's Name
Type: H.P.

(8) WATER LEVELS: Land-surface elevation above mean sea level ft.
Static level Artesian ft. below top of well Date May 14 1990
Artesian pressure lbs. per square inch Date
Artesian water is controlled by (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes [ ] No [ ] If yes, by whom? Dan
Yield: 70 gal./min. with 43'6 ft. drawdown after 5 hrs.

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level
1 min	30'6"	4 min	18'8"	15	11'7"
2 min	24'5"	5 min	17'4"	30	8'6"
3 min	21'	10 min	13'6"	60	5'11"
Date of test	May 14, 1990			120	0

Bailer test 40 gal./min. with 14 ft. drawdown after 2 hrs.
Airtest gal./min. with stem set at ft. for hrs.
Artesian flow g.p.m. Date
Temperature of water Was a chemical analysis made? Yes [ ] No [ ]

(10) WELL LOG or ABANDONMENT PROCEDURE DESCRIPTION

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of information

MATERIAL	FROM	TO
Fill	0	4
Brn Peat	4	20
Brn Sand & gravel	20	39
Brn clay & gravel	39	45'6"
Brn Sand & water	45'6"	48
Brn Sand gravel & water	48	53
Weeping gray clay & gravel	53	61
open hole		

Work started April 24, 1990 Completed May 10, 1990

WELL CONSTRUCTOR CERTIFICATION:

I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

NAME Duckworth Pump & Well Drilling (PERSON, FIRM, OR CORPORATION) (TYPE OR PRINT)

Address 18365 Diamond Dr. Poulsbo

(Signed) Donald D Duckworth (WELL DRILLER) License No. 1147

Contractor's Registration No. DUCKWPW148CJ Date 5-15, 1990

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20 (10/87) -1329-

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

WELL D

114048

WATER WELL REPORT

STATE OF WASHINGTON

Start Card No W113141
Unique Well I D # AEN678
Water Right Permit No 394 8215

(1) OWNER Name GOETHALS, AL Address 5400 DIAMOND DRIVE N E BAINBRIDGE IS WA 98110

(2) LOCATION OF WELL County KITSAP - SW 1/4 SE 1/4 Sec 33 T 25 N , R 2E WM
(2a) STREET ADDRESS OF WELL (or nearest address) SAME, BAINBRIDGE IS

(3) PROPOSED USE PUBLIC WATER S

(4) TYPE OF WORK Owner's Number of well (If more than one)
NEW WELL Method ROTARY

(5) DIMENSIONS Diameter of well 8 inches
Drilled 66 ft Depth of completed well 66 ft

(6) CONSTRUCTION DETAILS
Casing installed 8 " Dia from 0 ft to 52 ft
WELDED " Dia from ft to ft
" Dia from ft to ft

Perforations NO
Type of perforator used
SIZE of perforations in by in
perforations from ft to ft
perforations from ft to ft
perforations from ft to ft

Screens YES
Manufacturer's Name JOHNSON
Type STAINLESS Model No
Diam 7 slot size 12 from 51 ft to 66 ft
Diam slot size from ft to ft

Gravel packed NO Size of gravel
Gravel placed from ft to ft

Surface seal YES To what depth? 18 ft
Material used in seal BENTONITE
Did any strata contain unusable water? NO
Type of water? Depth of strata ft
Method of sealing strata off

(7) PUMP Manufacturer's Name
Type SUBMERSIBLE H P

(8) WATER LEVELS Land surface elevation above mean sea level ft
Static level 5 ft below top of well Date 04/18/00
Artesian Pressure lbs per square inch Date
Artesian water controlled by

(10) WELL LOG

Formation Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change in formation

MATERIAL	FROM	TO
BROWN FILL	0	2
BROWN PEAT CLAY	2	18
BROWN DIRTY SILTY SAND	18	37
GREY SILTY CLAY	37	41
BROWN SILTY SAND WATER	41	51
GREY SAND GRAVEL & WATER	51	64
GREY CLAY & GRAVEL	64	

Work started 04/06/00 Completed 04/18/00

(9) WELL TESTS Drawdown is amount water level is lowered below static level
Was a pump test made? NO If yes, by whom?
Yield gal /min with ft drawdown after hrs

Recovery data
Time Water Level Time Water Level Time Water Level

Date of test / /
Bailer test 20 gal/min 5 ft drawdown after 25 hrs
Air test gal/min w/ stem set at ft for hrs
Artesian flow g p m Date
Temperature of water Was a chemical analysis made? NO

WELL CONSTRUCTOR CERTIFICATION
I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards Materials used and the information reported above are true to my best knowledge and belief

NAME DUCKWORTH PUMP & DRILLING
(Person, firm, or corporation) (Type or print)

ADDRESS 18365 DIAMOND DRIVE NE

[SIGNED] Donald D. Duckworth License No 148 1147

Contractor's
Registration No DUCKWPW148CJ Date 04/27/00

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

Appl. 8762
Per. 8405

STATE OF WASHINGTON
DEPARTMENT OF CONSERVATION
DIVISION OF WATER RESOURCES

25/2E 33R
File number

WELL LOG

Record by Driller
Source Driller's Record

Location: State of WASHINGTON
County Kitsap
Area
Map

E½SE¼SE ¼ SE ¼ sec. 33 T. 25 N., R. 2 E W.

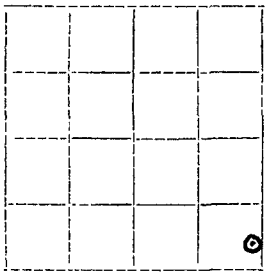


Diagram of Section

Drilling Co. Burt Well Drilling Co.
Address Rt. 1 Box 283, Poulsbo, Wash.
Method of Drilling New Well Date June, 1968.
Owner Emanuel Olson
Address Port Blakely Box 264, Bainbridge Is, Wash.
Land surface, datum ft. above/below
SWL: 19' Date June, 1968 Dims.: 8" x 125'

CORRELATION	MATERIAL	From (feet)	To (feet)
	(Transcribe driller's terminology literally but paraphrase as necessary, in parentheses. If material water-bearing, so state and record static level if reported. Give depths in feet below land-surface datum unless otherwise indicated. Correlate with stratigraphic column, if feasible. Following log of materials, list all casings, perforations, screens, etc.)		
	Community domestic supply		
	Topsoil	0	3'
	Clay-sand-pebbles	3	14
	Clay, gravel	14	28
	Gravel - some water	28	31
	Clay & gravel	31	60
	Clay, gray	60	90
	Clay, blue	90	100
	Clay with sand water	100	105
	Clay	105	125
	Casing: 8" from 0-125'		
	Bailer test 5 g.p.m. w/ 66' DD	after 3½ hrs.	

Turn up

Sheet ... of ... sheets

Start Card No. 035416

File Original and First Copy with Department of Ecology
Second Copy—Owner's Copy
Third Copy—Driller's Copy

WATER WELL REPORT

STATE OF WASHINGTON

Water Right Permit No. _____

(1) OWNER: Name Ed Owens Address arrow pt. Rd. B.I. 98110

(2) LOCATION OF WELL: County Kitsap NE¼ NE¼ Sec. 17 T 25 N., R 2 E W.M.

(2a) STREET ADDDRESS OF WELL (or nearest address) _____

(3) PROPOSED USE: [X] Domestic [ ] Irrigation [ ] DeWater [ ] Industrial [ ] Test Well [ ] Municipal [ ] Other

(4) TYPE OF WORK: Owner's number of well (if more than one) _____
Abandoned [ ] New well [X] Deepened [ ] Reconditioned [ ] Method: Dug [ ] Cable [X] Rotary [ ] Bored [ ] Driven [ ] Jetted [ ]

(5) DIMENSIONS: Diameter of well 6 inches. Drilled 327 feet. Depth of completed well 327 ft.

(6) CONSTRUCTION DETAILS:
Casing Installed: _____" Diam. from _____ ft. to _____ ft.
Welded [X] Linar installed [ ] Threaded [ ] 6" Diam. from 0 ft. to 322 ft.
_____" Diam. from _____ ft. to _____ ft.
Perforations: Yes [ ] No [X]
Type of perforator used _____
SIZE of perforations _____ in. by _____ in.
_____ perforations from _____ ft. to _____ ft.
_____ perforations from _____ ft. to _____ ft.
_____ perforations from _____ ft. to _____ ft.
Screens: Yes [X] No [ ]
Manufacturer's Name Cook
Type Stainless Model No. _____
Diam. 6 Slot size 4 from 322 ft. to 327 ft.
Diam. _____ Slot size _____ from _____ ft. to _____ ft.
Gravel packed: Yes [ ] No [X] Size of gravel _____
Gravel placed from _____ ft. to _____ ft.
Surface seal: Yes [X] No [ ] To what depth? 20 ft.
Material used in seal Bentonite
Did any strata contain unusable water? Yes [ ] No [X]
Type of water? _____ Depth of strata _____
Method of sealing strata off _____

(7) PUMP: Manufacturer's Name Sta-Rite
Type: Jet H.P. 2

(8) WATER LEVELS: Land-surface elevation above mean sea level 100 ft.
Static level 113-6 ft. below top of well Date 7-5-90
Artesian pressure _____ lbs. per square inch Date _____
Artesian water is controlled by _____ (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes [X] No [ ] If yes, by whom? Driller
Yield: _____ gal./min. with _____ ft. drawdown after _____ hrs.
" 15 " 105 " 4 "
Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test _____
Bailer test 14 gal./min. with 137 ft. drawdown after 4 hrs.
Airtest _____ gal./min. with stem set at _____ ft. for _____ hrs.
Artesian flow _____ g.p.m. Date _____
Temperature of water _____ Was a chemical analysis made? Yes [ ] No [X]

(10) WELL LOG or ABANDONMENT PROCEDURE DESCRIPTION

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of information.

MATERIAL		FROM	TO
Top soil	Brown	0	4
Hard pan	"	4	12
Hard pan	Gray	12	24
Sand & Gravel - Cemented	"	24	28
peat	Brown	28	34
Clay	Black	34	45
Till	Brown	45	70
Sand & Gravel - Cemented	"	70	78
Clay, peat & Gravel - Loosed	"	78	82
Till	"	82	87
Sand & Gravel - Cemented	"	87	110
Silt - Compact	"	110	120
Silt - Compact	Gray	120	135
Clay - Sticky	Blue	135	155
Silt	Brown	155	212
Silt - Loose	Blue	212	231
Silt - Fine Fine	"	231	276
Silt - Compact	"	276	240
Silt - Loose	"	240	290
Silt - Loose	"	290	305
Silt - Compact	"	305	321
Silt & Sand - Fine	"	321	327

RECEIVED
JUL 23 1990
DEPT. OF ECOLOGY

Work started June 15, 19. Completed July 5, 19 90

WELL CONSTRUCTOR CERTIFICATION:
I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

NAME CRABTREE DRILLING CO. (PERSON, FIRM, OR CORPORATION) (TYPE OR PRINT)
Address 22349 EGLON RD. N.E. KINGSTON
(Signed) Jerry Crabtree (WELL DRILLER) License No. 82
Contractor's Registration No. CRABTD 255°2 Date July 12, 19 90

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20 (10-87) -1329-

The Department of Ecology does NOT Warrant the Data and/or the Information on this Well Report.

25/02-08F

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT

STATE OF WASHINGTON

Application No.

Permit No

(1) OWNER: Name Ed Seeberger Address 12001 Arrowpoint Loop-Burlington

(2) LOCATION OF WELL: County Kitsap SE ¼ NW ¼ Sec. 8 T 25 N., R 2 E W.M.

Bearing and distance from section or subdivision corner Lot 4 Arrowpoint Beach

(3) PROPOSED USE: Domestic [X] Industrial [ ] Municipal [ ]
Irrigation [ ] Test Well [ ] Other [ ]

(4) TYPE OF WORK: Owner's number of well (if more than one)
New well [X] Method: Dug [ ] Bored [ ]
Deepened [ ] Cable [X] Driven [ ]
Reconditioned [ ] Rotary [ ] Jetted [ ]

(5) DIMENSIONS: Diameter of well 6 inches.
Drilled 200 ft. Depth of completed well 200 ft.

(6) CONSTRUCTION DETAILS:

Casing installed: 6 " Diam. from 0 ft. to 190 ft.
Threaded [ ] " Diam. from ft. to ft.
Welded [X] " Diam. from ft. to ft.

Perforations: Yes [ ] No [X]
Type of perforator used
SIZE of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

Screens: Yes [X] No [ ] Johnson
Manufacturer's Name Stainless Model No.
Type
Diam. Slot size from ft. to ft.
Diam. 6 Slot size 4 from 190 ft. to 200 ft.

Gravel packed: Yes [ ] No [X] Size of gravel
Gravel placed from ft. to ft.

Surface seal: Yes [X] No [ ] To what depth? 19 ft.
Material used in seal Bentonite
Did any strata contain unusable water? Yes [ ] No [X]
Type of water? Depth of strata
Method of sealing strata off

(7) PUMP: Manufacturer's Name Ste Bute 3/4
Type: Pump H.P

(8) WATER LEVELS: Land-surface elevation above mean sea level 40 ft.
Static level 42 ft below top of well Date 5/8/78
Artesian pressure lbs. per square inch Date
Artesian water is controlled by (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes [X] No [ ] If yes, by whom? Driller
Yield: 15 gal./min. with 12 ft. drawdown after 2 hrs.

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test
Baller test 16 gal./min. with 13 ft. drawdown after hrs.
Artesian flow g.p.m. Date
Temperature of water Was a chemical analysis made? Yes [ ] No [X]

(10) WELL LOG:

Formation: *Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.*

MATERIAL		FROM	TO
Clay sandy	Brown	0	55
Silt	"	55	67
"	Gray	67	94
Fine-fine sand	"	94	200

Work started April 26 19 78 Completed May 9, 1978

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME CRABTREE DRILLING CO.
(Person, firm, or corporation) (Type or print)

Address 33349 Eglon Rd NE Kingston

[Signed] Jerry Cartier
(Well Driller)

License No. 223-02 Date May 9, 1978

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

APP. 8858 PER. 8151 CERT. 6554-A

STATE OF WASHINGTON
DEPARTMENT OF CONSERVATION
DIVISION OF WATER RESOURCES

WELL LOG

Record by Driller

Source Driller's Record

Location: State of WASHINGTON

County Kitsap

Area

Map

NW¼SW¼ ¼ NW.¼ sec. 34 T. 25 N., R. 2 E. W.

Diagram of Section

Drilling Co. Bert A. Strom Well Drilling Co.

Address Bainbridge Island, Washington

Method of Drilling Bored Date October, 1967

Owner Elmer Walberg

Address Route 1, Box 1263, Bainbridge Island

Land surface, datum ft above / below

SWL: 120' Date October 29, 1967 Dims.: 8" x 142'

25/2E-34E
File number

CORRELATION	MATERIAL	From (feet)	To (feet)
	(Transcribe driller's terminology literally but paraphrase as necessary, in parentheses. If material water-bearing, so state and record static level if reported. Give depths in feet below land-surface datum unless otherwise indicated. Correlate with stratigraphic column, if feasible. Following log of materials, list all casings, perforations, screens, etc.)		
	Domestic		
	Clay, sandy	0	60
	Clay, blue	60	120
	Clay, hard, blue; gravel	120	142
	Casing: 8" from 0' to 142'		
	Yild: 25 gpm with 10' DD after 48 hrs.		
	Date of Test: October 29, 1967		
	Pump: 1 hp, submerged,		
	Stayright		

Turn up Sheet ... of ... sheets

of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

25/02-23K

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT

STATE OF WASHINGTON

Application No. 000727

Permit No.

(1) OWNER: Name Fernliff Peter ass. Address 870 Brandlave, Bainbridge Island

(2) LOCATION OF WELL: County Kitsap NW ¼ SE ¼ Sec. 23 T. 25 N., R. 2E W.M.

Bearing and distance from section or subdivision corner

(3) PROPOSED USE: Domestic [X] Industrial [ ] Municipal [ ]
Irrigation [ ] Test Well [ ] Other [ ]

(4) TYPE OF WORK: Owner's number of well (if more than one)
New well [X] Method: Dug [ ] Bored [ ]
Deepened [ ] Cable [X] Driven [ ]
Reconditioned [ ] Rotary [ ] Jetted [ ]

(5) DIMENSIONS: Diameter of well 6 inches
Drilled 608 ft. Depth of completed well 209 ft.

(6) CONSTRUCTION DETAILS:

Casing installed: ..." Diam. from .. ft. to .. ft.
Threaded [ ] ..." Diam. from .. ft. to .. ft.
Welded [X] 6 " Diam. from 0 ft. to 204 ft.

Perforations: Yes [ ] No [X]
Type of perforator used
SIZE of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

Screens: Yes [X] No [ ] Johnson
Manufacturer's Name
Type Stainless Model No.
Diam. Slot size from ft. to ft.
Diam. 6 Slot size 15 from 204 ft. to 209 ft.

Gravel packed: Yes [X] No [ ] Size of gravel:
Gravel placed from ft. to ft.

Surface seal: Yes [X] No [ ] To what depth? 20 ft.
Material used in seal Bentonite
Did any strata contain unusable water? Yes [ ] No [ ]
Type of water? Depth of strata
Method of sealing strata off

(7) PUMP: Manufacturer's Name Sta-Rite
Type: Jet H.P. 1/2

(8) WATER LEVELS: Land-surface elevation above mean sea level 140 ft.
Static level 125 ft. below top of well Date 2-3-88
Artesian pressure lbs. per square inch Date
Artesian water is controlled by (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes [X] No [ ] If yes, by whom? Driller
Yield: 3 gal./min. with 66 ft. drawdown after 13 hrs.

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test
Bailer test 3 gal./min. with 45 ft. drawdown after 4 hrs.
Artesian flow g.p.m. Date
Temperature of water Was a chemical analysis made? Yes [X] No [ ]

(10) WELL LOG:

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL		FROM	TO
Sandy loam	Brown	0	4
Hard pan	"	4	6
Hard pan - Rocky	"	6	8
Hard pan	"	8	61
Hard pan - Hard	"	61	65
Hard pan	Grey	65	70
Sand & Gravel - Cemented	Brown	70	74
Sand & Gravel - Cemented	Grey	74	109
Sand & Gravel - Cemented	"	109	111
Hard pan - Sandy Clay	"	111	126
Clay	Blue	126	157
Silt	"	157	178
Clay - Sticky	"	178	207
Silt	"	207	212
Silt	"	212	230
Sandy sand - clamshells	"	230	231
Silt - Compact	Blue/Grey	231	275
Clay - Silty	Blue	275	302
Clay & sand	Black	302	304
Sand - Dirty	"	304	309
Silt	Blue/Black	309	320
Silt - Sandy	" / "	320	322
Clay - Silty	" / "	322	350
Silt & wood	" / "	350	353
Silt - Hard	" / "	353	395
Silt - Sandy	" / "	395	413
Silt - Sandy	" / "	413	415
Silt & wood particles	" / "	415	476
Clay	Blue	476	608

Work started Dec. 15, 1987 Completed Feb. 4, 1988

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME CRABTREE DRILLING CO
(Person, firm, or corporation) (Type or print)

Address 33249 EGLON RD. NE. KINGSTON

[Signed] Jerry Crabtree
(Well Driller)

License No. 82 Date Feb. 8, 1988

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20

The Department of Ecology does NOT Warrant the Data and/or the Information on this Well Report.

25/02-20 P

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT

STATE OF WASHINGTON

Application No.

Permit No.

(1) OWNER: Name Fredrick Greenle Address 7999 Hansen Rd, Bainbridge Island, Wa

(2) LOCATION OF WELL: County Kitsap SE ¼ SW ¼ Sec 20 T 25 N., R 2E W.M.

Bearing and distance from section or subdivision corner

(3) PROPOSED USE: Domestic ☒ Industrial ☐ Municipal ☐ Irrigation ☐ Test Well ☐ Other ☐

(4) TYPE OF WORK: Owner's number of well (if more than one)

New well ☒ Method: Dug ☐ Bored ☐
Deepened ☐ Cable ☒ Driven ☐
Reconditioned ☐ Rotary ☐ Jetted ☐

(5) DIMENSIONS: Diameter of well 6 inches.
Drilled 151 ft. Depth of completed well 151 ft.

(6) CONSTRUCTION DETAILS:

Casing installed: 6 " Diam. from 0 ft. to 151 ft.
Threaded ☐ " Diam. from ft. to ft.
Welded ☒ " Diam. from ft. to ft.

Perforations: Yes ☐ No ☒
Type of perforator used
SIZE of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

Screens: Yes ☐ No ☒
Manufacturer's Name Model No.
Type Slot size from ft. to ft.
Diam. Slot size from ft. to ft.

Gravel packed: Yes ☐ No ☒ Size of gravel
Gravel placed from ft. to ft.

Surface seal: Yes ☒ No ☐ To what depth? 18 ft.
Material used in seal Bentonite & clay
Did any strata contain unusable water? Yes ☐ No ☒
Type of water? Depth of strata
Method of sealing strata off

(7) PUMP: Manufacturer's Name Installed by others
Type: H.P.

(8) WATER LEVELS: Land-surface elevation above mean sea level ft.
Static level 126 ft. below top of well Date 8/23/78
Artesian pressure lbs. per square inch Date
Artesian water is controlled by (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☐ No ☒ If yes, by whom?
Yield: gal/min. with ft. drawdown after hrs.

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

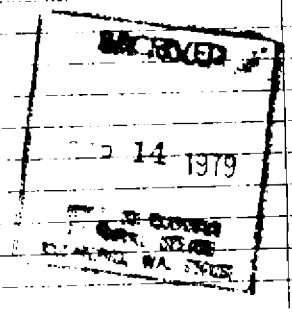
Time	Water Level	Time	Water Level	Time	Water Level

Date of test
Bailer test 5½ gal/min. with 6 ft. drawdown after 4 hrs.
Artesian flow g.p.m. Date
Temperature of water 49 Was a chemical analysis made? Yes ☐ No ☒

(10) WELL LOG:

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL	FROM	TO
Brown sand & stones	0	1
Brown cemented soil	1	72
Brown cemented soil, takes water	72	86
Gray cemented soil " "	86	106
Brown sand, stones & clay	106	110
Brown cemented soil, takes wa.	110	124
Gray brown sand & stones	124	128
Brown tight sand & gravel (weeps)	128	130
Tight gray gravel & sand W/B	130	137
Thin layer of brown peat & blue clay	137	139
Yellow brown clay	139	142
Brown cemented soil, takes water	142	146
Gray brown sand & gravel, weeps	146	148
Tight gravel W/B	148	149
Brown cemented soil	149	150
Gravel W/B	150	151



Work started 8/7 19 78 Completed 8/23 19 78

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME Stoican Drilling Co., Inc.
(Person, firm, or corporation) (Type or print)

Address Rt. 3, Box 175 Port Orchard, Wa.

[Signed] (Well Driller)

License No. Date 9/29 19 78

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

The Dep. The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

25/02-20L

Application No. .....

Permit No. 91-20706 P

...e Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT

STATE OF WASHINGTON

25/25/20/4

(1) OWNER: Name KITSAP COUNTY PUD #1 Address .....

(2) LOCATION OF WELL: County KITSAP NE ¼ SW ¼ Sec. 20 T. 25 N., R. 2E W.M.

Bearing and distance from section or subdivision corner

(3) PROPOSED USE: Domestic ☐ Industrial ☐ Municipal ☒
Irrigation ☐ Test Well ☐ Other ☐

(4) TYPE OF WORK: Owner's number of well (if more than one) FLETCHER BAY #1
New well ☒ Method: Dug ☐ Bored ☐
Deepened ☐ Cable ☐ Driven ☐
Reconditioned ☐ Rotary ☒ Jetted ☐

(5) DIMENSIONS: Diameter of well 6 inches.
Drilled 1222 ft. Depth of completed well 1030 ft.

(6) CONSTRUCTION DETAILS:

Casing installed: 4" Diam. from 0 ft. to 1030 ft.
Threaded ☐ ..." Diam. from ..... ft. to ..... ft.
Welded ☐ ..." Diam. from ..... ft. to ..... ft.

Perforations: Yes ☒ No ☐
Type of perforator used TORCH
SIZE of perforations ..... in. by ..... in.
..... perforations from 930 ft. to 950 ft.
..... perforations from 990 ft. to 1010 ft.
..... perforations from ..... ft. to ..... ft.

Screens: Yes ☐ No ☒
Manufacturer's Name .....
Type ..... Model No. .....
Diam. ..... Slot size ..... from ..... ft. to ..... ft.
Diam. ..... Slot size ..... from ..... ft. to ..... ft.

Gravel packed: Yes ☐ No ☒ Size of gravel: .....
Gravel placed from ..... ft. to ..... ft.

Surface seal: Yes ☒ No ☐ To what depth? 120 ft.
Material used in seal CASING - 6-INCH
Did any strata contain unusable water? Yes ☐ No ☐
Type of water? ..... Depth of strata .....
Method of sealing strata off .....

(7) PUMP: Manufacturer's Name .....
Type: ..... H.P. .....

(8) WATER LEVELS: Land-surface elevation above mean sea level .... ft.
Static level 54 ft. below top of well Date 7/1/73
Artesian pressure ..... lbs. per square inch Date .....
Artesian water is controlled by ..... (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☒ No ☐ If yes, by whom? REN
Yield: 135 gal./min. with 29 ft. drawdown after ~~hrs.~~
" " " " 3 "
" " " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test .....
Bailer test ..... gal./min. with ..... ft. drawdown after ..... hrs.
Artesian flow ..... g.p.m. Date .....
Temperature of water ..... Was a chemical analysis made? Yes ☒ No ☐

(10) WELL LOG:

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL	FROM	TO
SLT, CLAY, GVL	0	11
S&G, SLTY, BRN	11	18
S&G DRY	18	31
S, G, C	31	39
SLT & CLAY	39	41
S&G - W/B	41	68
TILL	68	94
BLUE CLAY WITH SEAMS OF SAND OCC SMALL GRAVEL	94	930
GRAVEL, MED-COSE SND, SOME LIGNITE	930	960
GRAVEL, CLAY, SND	960	985
GRAVEL, CLAY, HARD	985	990
SAND, SOME GRAVEL	990	1014
CLAY W/ GRAVEL	1014	1030
FIRM SLT, GRN-GRAY, SEAMS OF VF SND, NO FOSSILS FOUND	1030	1222

Work started 11/20, 19 73 Completed 5/1, 19 73

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME SOIL SAMPLING SERVICE
(Person, firm, or corporation) (Type or print)

Address PUYALLUP

[Signed] ..... GEOLOGIST
(Well Driller)

License No. ..... Date 11/12, 19 73

(USE ADDITIONAL SHEETS IF NECESSARY)

S. F. No. 7356—OS—(Rev. 4-71).

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

Bruner, Marian (ECY)

From: Marty Sebren [marty@kpud.org]
Sent: Tuesday, February 23, 2010 3:05 PM
To: Bruner, Marian (ECY)
Subject: Well Logs contact

To Whom It May Concern:

In the table below I have associated **well_log_id** with **well_tag_nr** for a number of older Kitsap PUD well logs where your system currently lacks the well_tag_nr. Please update your system with the **well_tag_nr** provided here.

well_log_id	well_tag_nr	well_depth_qt	well_diameter_qt	well_owner_nm
66900	AAA106	212	12	KITSAP COUNTY PUD
66901	AAC799	364	12	KITSAP COUNTY PUD #1
66902	AAA111	1030	6	KITSAP COUNTY PUD #1
66903	AAA110	402	8	KITSAP COUNTY PUD #1
66904	AAA012	805	10	KITSAP COUNTY PUD #1
66905	AAA014	338	12	KITSAP COUNTY PUD NO. 1
66910	AAC340	1070	6	KITSAP PUD #1
66912	ACK363	375	6	KITSAP PUD #1
66913	AAA102	466	6	KITSAP PUD #1
66914	AAA015	329	12	KITSAP PUD #1
66915	AAA710	330	22	KITSAP PUD NO. 1
66916	AAA013	335	16	KITSAP PUD NO. 1
278452	AAA707	809	16	KITSAP PUD NO. 1
69371	AAB416		8	PUD #1, KITSAP COUNTY
69372	AAB471	239	12	PUD NO 1 OF KITSAP COUNTY
69373	AAA717	587	8	PUD NO 1 OF KITSAP COUNTY
69374	AAB406	414	12	PUD NO. 1 OF KITSAP CO.
70898	AAA713	473	8	SUQUAMISH WELL NO. 2 (KPUD)

Martin B. Sebren, L.H.G.

Public Utility District No. 1 of Kitsap County

PO Box 1989

Poulsbo, WA 98370

Office: (360) 626-7722

Cell: (360) 265-6553

Fax: (360) 697-4197

e-mail: sebe@kpud.org

25N/02E-20K04

WELL LOG REPORT FOR: Fletcher Bay Production Well

Start Card No: **USGS Site ID:** 473827122341801
DOE Site ID: AAC733 **Internal Project N**
Local Name: CITY OF BAINBRI **Local Number:** 25N/02E-20K04
Water Right Permit: G1-20706C **Parcel ID:** 41920000290007

OWNER:

Owner Name: KPUD 1
Address: **City, State Zip:** ,

LOCATION:

County: KITSAP **Q/Q1:** NW **Q/Q2:** SE **T:** 25 **R:** 2 **M:** E **S:** 20
Well Address: **City, State Zip:** ,

PROPOSED USE:

Proposed Use: Production **ProposedType:**

TYPE OF WORK:

Type Of Work: **Drilling Method:** ROTARY
Drilling Contractor: RICHARDSON WE

DIMENSIONS:

Diameter Of Well: 12 **Well Depth Drilled:** 1014
Well Depth Completed: 992

CONSTRUCTION DETAILS:

Casing Information:

Casing Type:	Diam:	From:	To:
Welded	24	0	79
Welded	16	0	881
Welded	12	0	941

Perforations:

Gravel Packed:

Screens:

Screen Man:	Screen Type:	Model Num:	Diam:	Slot Size:	From:	To:
UNKNOWN	SS		10	0.01	937	941
UNKNOWN	SS		10	0.05	941	968
UNKNOWN	SS		10	0.06	976	983

Seals:

Top:	Bottom:	Seal Material:	Unusable Water:	Water Type:	Strata Depth:	Seal Method:
0	79	BENTONITE				

GEO LOG:

Material:	From:	To:
SAND AND GRAVEL SOME SILT WA	50	100
CLAY, CLAYEY GRAVEL	100	150
CLAY WITH SCATTERED SAND AND	150	200
CLAY, GRAVELLY CLAY	200	250
CLAYEY SAND AND GRAVEL (TILL)	0	50
CLAY WITH SCATTERED SAND AND	250	300
FINE SANDY SILTY CLAY WITH SCA	300	350
FINE SANDY SILTY CLAY WITH GRA	350	400
SILTY CLAY WITH LITTLE SAND AN	400	450
CLAY WITH SCATTERED SANDY AN	450	500
CLAY WITH SCATTERED SANDY AN	500	550
CLAY	550	600
CLAY WITH SCATTERED SAND AND	600	650
FINE SANDY SILT	650	700
CLAY WITH GRAVELLY STRINGERS	700	800
CLAY WITH SCATTERED SAND AND	800	875
MEDIUM TO COARSE SILTY SAND	875	950
POORLY COMPACTED SAND AND G	950	970
FIRM SILTY CLAY	970	973
SILTY SAND OCCASIONAL MALL G	973	975
SAND AND GRAVEL, WATER BEARI	975	983
FINE TO MEDIUM SAND AND GRAV	983	987

PUMP:

Pump Man: **Pump Type:** **Pump Model No:**

WATER LEVELS:

Elevation: 85.00
Water Level: 67.95 **WL Date:** 4/24/1978
Art Press: **Art Press Date:** **Art Control:**

WELL TESTS:

Well Test Yields:

Test Type:	Date Of Test:	Time:	Yield:	Drawdown:
Pump	5/9/1979	12	668	84.5
Bailer	5/9/1979	4	18	0

STATE OF WASHINGTO.
DEPARTMENT OF CONSERVATION
AND DEVELOPMENT Appli. #7807

WELL LOG No / -

Date Sept. 28 , 1965
Record by Driller
Source Driller's Record

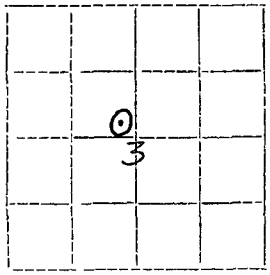


Diagram of Section

24N/2E-3E
File number

Location State of WASHINGTON
County Kitsap
Area 300' N and 225' W of
Map center Sec. 3
SE ¼ NW¼ sec 3 T 24 N, R 2

Drilling Co Dan Burt
Address Suquamish, Washington
Method of Drilling Cable Date August 12 1965

Owner Francisca L. Losthus
Address 2604 N. Lafayette, Bremerton, Wash.

Land surface, datum ft above / below

CORRELATION	MATERIAL	(feet) From	(feet) To
	(Transcribe driller's terminology literally but paraphrase as necessary in parentheses If material water bearing so state and record static level if reported Give depths in feet below land surface datum unless otherwise indicated Correlate with stratigraphic column if feasible Following log of materials list all casings perforations screens etc.)		
	Domestic use		
	DIMS: 6" x 200'		
	Hardpan	0	20
	Sand, yellow	20	40
	Hardpan, blue	40	65
	Clay, blue	65	88
	Hardpan	88	92
	Sand (water)	92	116
	Sand, muddy	116	180
	Sand (water)	180	200
	Casing: 6" frm 0-200'		
	Perforated from 105 to 115'		

Turn up Sheet of sheets

of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

WELL LOG —Continued No / -

CORRELATION	MATERIAL	THICKNESS (feet)	DEPTH (feet)
	Depth forward	———	
	Screen set from 190 to 200'		
	SWL: 12' on ?		
	Bailer test· 30 gpm with 100' DD after 48 hrs.		
	Pump: 1½ h.p. submersible		

S F No 7449—OS—6-61—2M

of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

209973

26-2E-28A

☑ Construction ☐ Decommission Original Installation Notice of Intent Number:

Washington State Dept. of Ecology Water Well Report

Original-Ecology, Copy 1-Owner, Copy 2-Driller

Proposed Use ☑ Domestic ☐ Industrial ☐ Municipal ☐ DeWater ☐ Irrigation ☐ Test Well Other

Type of Work:

Owners number of well (if more than one):

☑ New Well ☐ Reconditioned ☐ Dug ☐ Bored ☐ Driven ☐ Deepened ☑ Cable ☐ Rotary ☐ Jetted

Dimensions

Diameter of well inches: 6 Feet Drilled: 478

Depth of Completed Well Ft: 478

Construction Details: Casing Installed:

☑ Welded 6 " Diam. from 0 ft to: 471 ft

☐ Liner " Diam from 0 ft to 0 ft

☐ Threaded 0 " Diam from 0 ft to 0 ft

Perforations: ☐ Ye ☑ No

Type of perforator used:

Perf Size 0 in by 0 in and no of perfs 0 from 0 ft to 0

Screens: ☑ Ye ☐ No ☐ K-Pac Location: 462

Manufacuters Name: johnson

Type: stainless Model No: super

Diam 6 Slot Size: 6 from 468 ft to 478 ft

Diam 0 Slot Size: 0 from 0 ft to 0 ft

Gravel/Filter Packed: ☐ Ye ☑ No Size of Gravel/Sand:

Materials placed from: 0 ft to 0 ft

Surface Seal ☑ Ye ☐ No To what depth? 25 ft

Material Used in Seal: bentonite

Did any strata contain unusable water? ☐ Ye ☑ No

Type of Water? Depth of strata 0 ft

Method of sealing strata off:

Pump: Manufacturers Name: STA RITE

Type: submersible HP: 3

Water Levels: Land-surface elvation above mean sea level 100 ft

Static level 87 ft below top of well. Date: 10/5/2006

Artesian pressure 0 lbs per square in. Date

Artesian water is controlled by:

Well Tests:

Was a pump test made? ☑ Ye ☐ No If yes by whom? driller

Yield: 43 gal/min with 13 ft drawdown after 4 hrs

Yield: 0 gal/min with 0 ft drawdown after 0 hrs

Yield: 0 gal/min with 0 ft drawdown after 0 hrs

Time	Water Level	Time	Water Level	Time	Water Level
2:00	100	2:01	87		0
	0		0		0
	0		0		0

Pump Test Date: 10/5/2006

Bailer Test 30 gal/min with 10 ft drawdown after 3 hrs

Airtest 0 w/stem set at 0 ft for 0 hrs

Artesian flow 0 g.p.m Date

Temp of Water: Was a chemical analysis made? ☑ Ye ☐ No

Current:

Notice of Intent No: W208544

Unique Ecology Well ID Tag No ALP057

Water Right Permit No:

Property Owner Name: John Fox

Well Street Address: 17140 Kinnear Rd NE

City B.I. County: #18 KITSAP

Location NE 1/4-1/4 NE 1/4 Sec 28 Twn: 26N R: 2

Lat Deg: Lat Min/Sec: ☑ EWM

Long Deg: Long Deg/Sec: ☐ WWM

Tax Parcel No: 28260210042006

Construction or Decommission Procedure

Formation: Describe by color, character, size of material and structure, and the kind and nature of material in each stratum penetrated, with at least one entry for each change of information indicate all the water encountered.

Material		From	To
Hardpan rocky	brown	0	25
Sand w/ rocks bound	brown	25	38
Sand silty bound	brown	38	88
Silt compact	brown	88	107
Silt compact	blue	107	210
Silt compact hard	blue	210	344
Clay w/ rocks hard	blue	344	467
Silt compact w/ grits	blue	467	468
Sand bound	blue	468	469
Sand fine loose	blue	469	478
Sand bound	blue	478	
		0	0
		0	0
		0	0
		0	0
		0	0
		0	0
		0	0
		0	0
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		0	0
		0	0

RECEIVED

NOV 17 2006

DEPT. OF ECOLOGY

Start Date: 9/18/2006 Completed Date: 10/5/2006

Well Construction Certification: I constructed and/or accept responsibility for the construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

☑ Driller ☐ Engineer ☐ Trainee Name: Glen Crabtree

Driller/Engineer/Trainee Signature

Driller or Trainee License No: 1443

If trainee, licensed driller's

Signature and License No.

Drill Co Name: Crabtree Well Drilling

Address: 33349 Eglon Rd NE

City,State,Zip: Kingston, WA 98346-

Contractors Registration No: CRABTDC09702 Date: 10/14/2006

25/2 — 8/P

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT
STATE OF WASHINGTON

Application No.
Permit No.

(1) **OWNER:** Name Frank Peabody Address 5248 Morgan ave, NE Bainbridge Island

(2) **LOCATION OF WELL:** County Kitsap NW¼ of SE¼ SW¼ Sec. 8 T. 25 N., R. 2 E. W.M.
Bearing and distance from section or subdivision corner Lot 1 Block 19 Plat of Venice

(3) **PROPOSED USE:** Domestic [X] Industrial [ ] Municipal [ ]
Irrigation [ ] Test Well [ ] Other [ ]

(4) **TYPE OF WORK:** Owner's number of well (if more than one)
New well [X] Method: Dug [ ] Bored [ ]
Deepened [ ] Cable [X] Driven [ ]
Reconditioned [ ] Rotary [ ] Jetted [ ]

(5) **DIMENSIONS:** Diameter of well 6 inches.
Drilled 227 ft. Depth of completed well 227 ft.

(6) **CONSTRUCTION DETAILS:**

Casing installed:
Threaded [ ] " Diam. from ft. to ft.
Welded [X] 6 " Diam. from 0 ft. to 227 ft.

Perforations: Yes [ ] No [X]
Type of perforator used
SIZE of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

Screens: Yes [X] No [ ]
Manufacturer's Name Johnson
Type Stainless Model No.
Diam. Slot size from ft. to ft.
Diam. 6 Slot size 4 from 227 ft. to 227 ft.

Gravel packed: Yes [ ] No [X] Size of gravel
Gravel placed from ft. to ft.

Surface seal: Yes [X] No [ ] To what depth? 20 ft.
Material used in seal Bentonite
Did any strata contain unusable water? Yes [ ] No [X]
Type of water? Depth of strata
Method of sealing strata off

(7) **PUMP:** Manufacturer's Name Sta-Rite
Type: Jet H.P. 1

(8) **WATER LEVELS:** Land-surface elevation above mean sea level 100 ft.
Static level 68 ft. below top of well Date 3-25-83
Artesian pressure lbs. per square inch Date
Artesian water is controlled by (Cap, valve, etc.)

(9) **WELL TESTS:** Drawdown is amount water level is lowered below static level
Was a pump test made? Yes [X] No [ ] If yes, by whom? Driller
Yield: 13½ gal./min. with 87 ft. drawdown after 4 hrs.

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test
Bailer test 15 gal./min. with 95 ft. drawdown after 3 hrs.
Artesian flow g.p.m. Date
Temperature of water Was a chemical analysis made? Yes [ ] No [X]

(10) **WELL LOG:**

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL		FROM	TO
Clay	Brown	0	40
Clay - silty - sandy	"	40	50
Clay - silty	"	50	65
Silt	"	65	110
Silt + Clay	Grey	110	145
Silt	"	145	190
Clay	Blue	190	193
Silt	Grey	193	220
Sand - Fine - Fine	Blue	220	227

Work started March 18, 1983 Completed March 25, 1983

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME CRABTREE DRILLING CO
(Person, firm, or corporation) (Type or print)

Address 33349 EGLON RD. NE. KINGSTON

[Signed] Jerry Crabtree
(Well Driller)

License No. 82 Date March 28, 1983

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

152848 Please print, sign and return to the Department of Ecology

Water Well Report

Original – Ecology, 1st copy – owner, 2nd copy – driller

Construction/Decommission

☒ Construction

☐ Decommission *ORIGINAL INSTALLATION Notice of Intent Number* _____

Current Notice of Intent No. W 178105

Unique Ecology Well ID Tag No. AFS 294

Water Right Permit No. _____

Property Owner Name Ted Francis

Well Street Address 8237 Hansen Rd

City Bainbridge Island County Kitsap

Location SE 1/4-1/4 SW 1/4 Sec 20 Twn 25N R 2E EWM ☒ or WWM ☐ circle one

Lat/Long (s, t, r still REQUIRED) Lat Deg _____ Lat Min/Sec _____ Long Deg _____ Long Min/Sec _____

Tax Parcel No. _____

PROPOSED USE: ☒ Domestic ☐ Industrial ☐ Municipal ☐ DeWater ☐ Irrigation ☐ Test Well ☐ Other _____

TYPE OF WORK: Owner's number of well (if more than one) _____

☐ New well ☐ Reconditioned *Method:* ☐ Oug ☐ Bored ☐ Driven ☒ Deepened ☐ Cable ☒ Rotary ☐ Jetted

DIMENSIONS: Diameter of well 6 inches, drilled 391 ft. Depth of completed well 767 ft.

CONSTRUCTION DETAILS

Casing Installed: ☐ Welded 5" packer ass Diam. from 614 ft. to 642 ft.

☐ Liner installed 4" " Diam. from 642 ft. to 747 ft.

☐ Threaded 3" packer Diam. from 646 ft. to 646 ft.

Perforations: ☐ Yes ☒ No

Type of perforator used _____

SIZE of perfs _____ in. by ____ in. and no. of perfs _____ from _____ ft. to _____ ft.

Screens: ☒ Yes ☐ No ☐ K-Pac Location see above

Manufacturer's Name Johnson

Type Stainless steel Model No. _____

Diam. 4" Slot size 40 from 747 ft. to 762 ft.

Diam. _____ Slot size _____ from _____ ft. to _____ ft.

Gravel/Filter packed: ☒ Yes ☐ No ☐ Size of gravel/sand 6 x 9 sand

Materials placed from 662 ft. to 767 ft.

Surface Seal: ☐ Yes ☐ No To what depth? _____ ft.

Material used in seal existing

Did any strata contain unusable water? ☐ Yes ☒ No

Type of water? _____ Oepth of strata _____

Method of sealing strata off _____

PUMP: Manufacturer's Name _____

Type: _____ H.P. _____

WATER LEVELS: Land-surface elevation above mean sea level _____ ft.

Static level 187 ft. below top of well Date 4-22-04

Artesian pressure _____ lbs. per square inch Date _____

Artesian water is controlled by _____ (cap, valve, etc.)

WELL TESTS: Drawdown is amount water level is lowered below static level

Was a pump test made? ☐ Yes ☒ No If yes, by whom? _____

Yield: _____ gal./min. with _____ ft. drawdown after _____ hrs.

Yield: _____ gal./min. with _____ ft. drawdown after _____ hrs.

Yield: _____ gal./min. with _____ ft. drawdown after _____ hrs.

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Oate of test _____

Bailer test _____ gal./min. with _____ ft. drawdown after _____ hrs.

Airtest 45 gal./min. with stem set at 400 ft. for 1 hrs.

Artesian flow _____ g.p.m. Date _____

Temperature of water _____ Was a chemical analysis made? ☐ Yes ☒ No

CONSTRUCTION OR DECOMMISSION PROCEDURE

Formation: Oescribe by color, character, size of material and structure, and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of information indicate all water encountered. (USE ADDITIONAL SHEETS IF NECESSARY.)

MATERIAL	FROM	TO
Silt compact hard	644	689
Grey silt	689	739
Grey silt w/little clay	739	744
Grey sand & gravel cemented	744	764
Grey cemented sand with layers of clay	764	794
Grey silt w/clay sticky layers	794	846
Grey silt hard	846	881
Grey sand cemented	881	912
Grey silty sand cemented	912	924
Grey silty clay	924	946
Grey sand cemented little clay	946	961
Grey clay sticky	961	1055
Backfilled w/pea gravel and Bentonite plugs from	767	1055

RECEIVED
MAY 19 2004
Washington State Department of Ecology

Start Date 4-9-04 Completed Date 4-22-04

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

Driller/Engineer/Trainee Name (Print) Matt Galec

Driller/Engineer/Trainee Signature _____

Driller or trainee License No. 2502

If TRAINEE,
Driller's Licensed No. _____
Driller's Signature _____

Drilling Company Hansen Drilling Co. Inc.

Address 6711 NE. 58th Ave.

City, State, Zip Vancouver, Wa 98661

Contractor's Registration No. HANSED*377NT Date April 28, 2004

Ecology is an Equal Opportunity Employer. ECY 050-1-20 (Rev 2/03)

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

WELL LOG CHANGE FORM

Instructions: Record any change made to the well log record on this form.
Then always append this form to the well log image. File with the original.

WCL Log ID (Required) 152348 Well Log ID 384088

Regional Office: ☐CRO ☐ERO ☒NWRO ☐SWRO

Type of Well: ☒ Water ☐ Resource
Notice of Intent: W175318 Ecology Well ID Tag No. AES294
Property (Well) Owner's Name Ted Francis
Well Street Address _____
City _____ County _____ Zip Code _____
Location: ____1/4-1/4 ____1/4 Sec ____ Twn ____ R ____ E or W (Circle One)
Lat./Long: (Required) Lat. Deg. _____ Lat. Min/Sec _____
Long. Deg. _____ Long. Min/Sec _____
Horizontal Collection Method Code _____
Tax Parcel No _____
Type of Work: ☐New Well ☐ Reconditioned ☐ Deepened
Well Log Received Date __/__/__
Well Diameter ___ (in inches) Well Depth _____ (in feet) Well Completed Date __/__/__
Driller's Ecology License No. _____
Trainee's Ecology License No. _____

Reason/Source of Change (Required)
Corrected Notice of Intent # to match Notice submitted for deepening. Corrected well tag # per phone call with Matt Golec to AES 294

Signature of Well Log Tracker (Required) Melissa Snoeberger Date 8/9/04

ECY-WR-WLCF Rev. 10/02/02

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

File: Orig. & First Copy - Dept of Ecology
Second Copy - Owner) Third Copy - Driller

WATER WELL REPORT
State of Washington

Start Card No. W178105
Unique Well ID AES294
Water Right Permit No.

(1) OWNER: Name TED FRANCIS Address P.O. BOX 11467 B.I. WA 98110 Page 1 of
(2) LOCATION OF WELL: County KITSAP #18 SE 1/4 SW 1/4 Sec 20 T 25 N R 2 E
(2a) STREET ADDRESS OF WELL (or nearest address) HANSEN RD NE TAX#202502-3-005-200 2-3-006-20 B.I. WA 98110

(3) PROPOSED USE: PUBLIC Owner Well ID
(4) Type of work: NEW WELL
Method: CABLE

(5) DIMENSIONS: Diameter of well 6 inches.
Drilled 689 feet. Depth of completed well 664 ft.

(6) CONSTRUCTION DETAILS:
Casing instld: 6 " Diam. from 0 ft. to 664 ft.
Welded X " Diam. from ft. to ft.
Liner _ " Diam. from ft. to ft.
Threaded _

Perforations: Yes _ No X
Type of perforator used
Size of perforations in. by in.
perforations from ft. to in.
perforations from ft. to in.
perforations from ft. to in.

Screens: Yes _ No X
Manufacturer's Name
Type Model No
Diam Slot size from ft. to ft.
Diam Slot size from ft. to ft.

Gravel packed: Yes _ No X Size of gravel
Gravel placed from ft. to ft.

Surface seal: Yes X No _ To what depth? 23 ft.
Material used in seal BENTONITE
Did any strata contain unusable water? Yes _ No X
Type of water? Depth of strata
Method of sealing strata off

(7) PUMP: Manufacturer's Name
Type H.P. 0

(8) WATER LEVELS: Surface elev above mean sea level 150 ft.
Static level ft. below top of well Date
Artesian preseure lbs. per sq. in. Date
Artesian pressure is controlled by

(9) WELL TESTS: Pump test made? ___ By whom?
Yield 0 gal./min. with ft. drawdown after hrs
Yield 0 gal./min. with ft. drawdown after hrs
Yield 0 gal./min. with ft. drawdown after hrs
Recovery data:

Time	Wtr. Lvl.	Time	Wtr. Lvl.	Time	Wtr. Lvl.

Date of test
Bailer test 0 gal/min with ft. drawdown after hr
Airtest 0 gal/min with stem set at ft. for hrs
Artesian flow 0 gal/min Date
Temperature of water Was chemical analysis made? NO

(10) WELL LOG or DECOMMISSIONING PROCEDURE DESCRIPTION

Material		From	To
LOAM CLAY W/ ROCKS	BROWN	0	4
HARDPAN W/ ROCKS	BROWN	4	17
SILT COMPACT W/ PEAT	BLUE	17	22
HARDPAN ROCKY	BLUE	22	24
HARDPAN ROCKY	BROWN	24	107
SAND & GRAVEL CEMENTED	BROWN	107	121
SAND & GRAVEL CEMENTED	GRAY	121	126
HARDPAN ROCKY	BROWN	126	149
SAND & GRAVEL CEMENTED	GRAY	149	170
HARDPAN ROCKY	BROWN	170	188
SILT COMPACT W/ ROCKS	BLUE	188	235
SILT COMPACT W/ GRITS	BLUE	235	266
SILT COMPACT HARD	BLUE	266	664
TO BE COMPLETED WITH A MUD ROTARY			

RECEIVED
MAY 19 2004
Washington State Department of Ecology

Work Started 02/13/04 Completed 03/08/04

WELL CONSTRUCTOR CERTIFICATION:
I constructed and/or accept responsibility for construction this well, and its compliance with all Washington well construction standards. Materials used and the information repor above are true to my best knowledge and belief.
Name CRABTREE DRILLING CO.
Address 33349 Eglon Road NE Kingston WA 98346
(Signed) [signature] License No 1443
(Well Driller)
Contractor's Registration No. 09702 Date 03/08
Based on form ECL 050-1-20 (2/93)**f-1329- by Speed Systems C

NOTICE OF INTENT TO CONSTRUCT A WATER WELL

WASHINGTON STATE DEPARTMENT OF ECOLOGY

APR 07 2004

WATER RESOURCES

Notification Number W 175318

180

This form and required fees *MUST BE RECEIVED by the Department of Ecology 72 HOURS BEFORE you construct a well.*

Submit one form and required fee (check or money order ONLY) for each job site. Instructions for filling out this form are printed on the back. ***Mail this form to the Department of Ecology, P.O. Box 5128, Lacey, WA 98509-5128***

NOTE: PLEASE PRINT ALL ANSWERS. PROCESSING YOUR NOTICE OF INTENT MAY BE DELAYED IF ALL FIELDS OUTLINED IN THE *BOXES* ARE NOT FILLED IN COMPLETELY.

1. Property Owner Ted Francis Phone No. 1-206-862-0518
   Address (include city, state, zip) P.O. Box 11467 Bainbridge Island, Wa 98110

2. Agent (if different from #1): _____ Phone No. _____
   Address (include city, state, zip) _____

01-Adams, 02-Asotin, 03-Benton, 04-Chelan, 05-Clallam Count, 06-Clark, 07-Columbia, 08-Cowlitz, 09-Douglas, 10-Ferry, 11-Franklin, 12-Garfield, 13-Grant, 14-Grays Harbor, 15-Island, 16-Jefferson, 17-King, 18-Kitsap, 19-Kittitas, 20-Klickitat, 21-Lewis, 22-Lincoln, 23-Mason, 24-Okanogan, 25-Pacific, 26-Pend Oreille, 27-Pierce, 28-San Juan, 29-Skagit, 30-Skamania, 31-Snohomish, 32-Spokane, 33-Stevens, 34-Thurston, 35-Wahkiakum Count, 36-Walla Walla Count, 37-Whatcom, 38-Whitman, 39-Yakima

3. Print CODE NUMBER and COUNTY NAME (e.g. 01-Adams) of well location from list above (**DO NOT ABBREVIATE**) 18-Kitsap

4. Well Location: SE 1/4-1/4 of the SW 1/4 Section 20 Township 25 N Range 2E EWM or WWM *(circle one)*

5. Will the intended withdrawal from this well exceed 5000 gallons per day or be used to irrigate more than 1/2 acre of non-commercial lawn or garden? Check one) O Yes (Copy of Water Right permit attached) ⊗ No

6. Type of well construction: O New ⊗ Deepened O Reconditioned O Other _____

7. Purpose of use: O Domestic O Group Domestic O Irrigation O Other

8. Approx construction start date 4-12-04 9. No. of homes to be served _____

DEPT OF ECOLOGY FISCAL & BUDGET '04 APR -5 PM 2:28

Latitude and longitude (if available) NOTE: 1/4, 1/4, section, township and range are REQUIRED.

Lat Degrees _____ Lat Time _____

Long Degrees _____ Long Time _____ Horizontal Collection Method _____

10. Well Site Street Address 8237 Hansen Rd Bainbridge Island, Wa

11 Tax parcel number _____

12. Contractor L & I Registration No. HANSED*377NT

13. Well Drilling Company Name Hansen Drilling Co Phone No. 360-694-6242

14. Well Driller Name Matt Golec License No. 2502

15. SEND THE ENTIRE FORM. The bottom portion of this notice will be validated in our office and sent back to the name and address contained on the address label. This is the proof of notification. Please fill out the portion below CAREFULLY.
NOTE: Please copy the Notification Number (located in the upper and lower right

Ecology does NOT Warranty the Data and/or the Information on this Well Report.

147820

25-2E-20P

File Orig & First Copy - Dept of Ecology
Second Copy - Owner Third Copy - Driller

WATER WELL REPORT
State of Washington

Start Card No W178105
Unique Well ID AES294
Water Right Permit No

(1) OWNER Name TED FRANCIS Address P O BOX 11467 B I WA 98110

(2) LOCATION OF WELL County KITSAP #18 SE 1/4 SW 1/4 Sec 20 T 25 N R 2E

(2a) STREET ADDRESS OF WELL (or nearest address) HANSEN RD NE TAX#202502-3-005-200 2-3-006-20 B I WA 98110

(3) PROPOSED USE PUBLIC Owner Well ID

(4) Type of work NEW WELL
Method CABLE

(5) DIMENSIONS Diameter of well 6 inches
Drilled 689 feet Depth of completed well 664 ft

(6) CONSTRUCTION DETAILS
Casing instld 6 " Diam from 0 ft to 664 ft
Welded X " Diam from ft to ft
Liner _ " Diam from ft to ft
Threaded _

Perforations Yes _ No X
Type of perforator used
Size of perforations in by in
perforations from ft to in
perforations from ft to in
perforations from ft to in

Screens Yes _ No X
Manufacturer's Name
Type Model No
Diam Slot size from ft to ft
Diam Slot size from ft to ft

Gravel packed Yes _ No X Size of gravel
Gravel placed from ft to ft

Surface seal Yes X No _ To what depth? 23 ft
Material used in seal BENTONITE
Did any strata contain unusable water? Yes _ No X
Type of water? Depth of strata
Method of sealing strata off

(7) PUMP Manufacturer's Name
Type H P 0

(8) WATER LEVELS Surface elev above mean sea level 150 ft
Static level ft below top of well Date
Artesian pressure lbs per sq in Date
Artesian pressure is controlled by

(9) WELL TESTS Pump test made? ___ By whom?
Yield 0 gal /min with ft drawdown after hrs
Yield 0 gal /min with ft drawdown after hrs
Yield 0 gal /min with ft drawdown after hrs
Recovery data

Time	Wtr Lvl	Time	Wtr Lvl	Time	Wtr Lvl

Date of test
Bailer test 0 gal/min with ft drawdown after hr
Airtest 0 gal/min with stem set at ft for hrs
Artesian flow 0 gal/min Date
Temperature of water Was chemical analysis made? NO

(10) WELL LOG or DECOMMISSIONING PROCEDURE DESCRIPTION

Material		From	To
LOAM CLAY W/ ROCKS	BROWN	0	4
HARDPAN W/ ROCKS	BROWN	4	17
SILT COMPACT W/ PEAT	BLUE	17	22
HARDPAN ROCKY	BLUE	22	24
HARDPAN ROCKY	BROWN	24	107
SAND & GRAVEL CEMENTED	BROWN	107	121
SAND & GRAVEL CEMENTED	GRAY	121	126
HARDPAN ROCKY	BROWN	126	149
SAND & GRAVEL CEMENTED	GRAY	149	170
HARDPAN ROCKY	BROWN	170	188
SILT COMPACT W/ ROCKS	BLUE	188	235
SILT COMPACT W/ GRITS	BLUE	235	266
SILT COMPACT HARD	BLUE	266	
TO BE COMPLETED WITH A MUD ROTARY			

RECEIVED
APR 0 1 2004
DEPT OF ECOLOGY

Work Started 02/13/04 Completed 03/08/04

WELL CONSTRUCTOR CERTIFICATION
I constructed and/or accept responsibility for construction this well and its compliance with all Washington well construction standards Materials used and the information report above are true to my best knowledge and belief
Name CRABTREE DRILLING CO
Address 33349 Eglon Road NE Kingston WA 98346

(Signed) [signature] License No 1443
(Well Driller)

Contractor's Registration No 09702 Date 03/08
Based on form ECL 050-1-20 (2/93)**f-1329- by Speed Systems C

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

ENTERED

WATER WELL REPORT

STATE OF WASHINGTON

Start Card No. W077971
Unique Well I.D. # ACW040
Water Right Permit No.

(1) OWNER: Name NELSON, BRIAN Address 9136 SPEAR PLACE S. SEATTLE, WA 98118-

(2) LOCATION OF WELL: County KITSAP - NE 1/4 NE 1/4 Sec 28 T 26 N., R 2E WM
(2a) STREET ADDRESS OF WELL (or nearest address) NX2 17140 KINNEAR RD NE, BAINBRIDGE IS. 26-2E-28A

(3) PROPOSED USE: DOMESTIC

(4) TYPE OF WORK: Owner's Number of well (If more than one)
NEW WELL Method: ROTARY

(5) DIMENSIONS: Diameter of well 6 inches
Drilled 450 ft. Depth of completed well 449.5 ft.

(6) CONSTRUCTION DETAILS:
Casing installed: 6 " Dia. from 0 ft. to 445 ft.
WELDED " Dia. from ft. to ft.
" Dia. from ft. to ft.

Perforations: NO
Type of perforator used
SIZE of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

Screens: YES
Manufacturer's Name JOHNSON
Type STAINLESS Model No.
Diam. 5 slot size 12 from 444.5 ft. to 449.5 ft.
Diam. slot size from ft. to ft.

Gravel packed: NO Size of gravel
Gravel placed from ft. to ft.

Surface seal: YES To what depth? 19 ft.
Material used in seal BENTONITE
Did any strata contain unusable water? NO
Type of water? Depth of strata ft.
Method of sealing strata off

(7) PUMP: Manufacturer's Name
Type SUBMERSIBLE H.P.

(8) WATER LEVELS: Land-surface elevation above mean sea level ... ft.
Static level 66 ft. below top of well Date 01/18/99
Artesian Pressure lbs. per square inch Date
Artesian water controlled by

(9) WELL TESTS: Drawdown is amount water level is lowered below static level.
Was a pump test made? NO If yes, by whom?
Yield: gal./min with ft. drawdown after hrs.

Recovery data

Time	Water Level	Time	Water Level	Time	Water Level

Date of test / /
Bailer test gal/min. ft. drawdown after hrs.
Air test 20+ gal/min. w/ stem set at 445 ft. for .33 hrs.
Artesian flow g.p.m. Date
Temperature of water Was a chemical analysis made? NO

(10) WELL LOG

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change in formation.

MATERIAL	FROM	TO
BROWN CLAY SOME GRAVEL	0	6
BROWN SANDY CLAY	6	30
BROWN FINE SILTY SAND	30	71
GREY CLAY	71	250
GREY SILT	250	370
GREY SILT WATER	370	390
GREY CLAY	390	440
GREY SAND & WATER	440	450
GREY CLAY & SHALE	450	

RECEIVED
DEC 7 1999
NWRO-WR
DEPT OF ECOLOGY

Work started 01/06/99 Completed 01/18/99

WELL CONSTRUCTOR CERTIFICATION:
I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

NAME DUCKWORTH PUMP & DRILLING
(Person, firm, or corporation) (Type or print)

ADDRESS 18365 DIAMOND DRIVE NE

[SIGNED] Donald D. Duckworth Telephone 206 842 1148 1147

Contractor's
Registration No. DUCKWPW148CJ Date 01/31/99

25/02/14A

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT
STATE OF WASHINGTON

Application No.
Permit No.

(1) OWNER: Name FREEMAN Address ROLLING BAY, BAIN. IS. WA.

(2) LOCATION OF WELL: County KITSAP NE ¼ NE ¼ Sec. 14 T. 25 N., R. 2E W.M.
Bearing and distance from section or subdivision corner

(3) PROPOSED USE: Domestic [X] Industrial [ ] Municipal [ ] Irrigation [ ] Test Well [ ] Other [ ]

(4) TYPE OF WORK: Owner's number of well (if more than one)
New well [X] Method: Dug [ ] Bored [ ]
Deepened [ ] Cable [X] Driven [ ]
Reconditioned [ ] Rotary [ ] Jetted [ ]

(5) DIMENSIONS: Diameter of well 6 inches.
Drilled 176 ft. Depth of completed well 176 ft.

(6) CONSTRUCTION DETAILS:
Casing installed: 6 " Diam. from 0 ft. to 165 ft.
Threaded [ ] " Diam. from ft. to ft.
Welded [X] " Diam. from ft. to ft.

Perforations: Yes [ ] No [X]
Type of perforator used
SIZE of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

Screens: Yes [X] No [ ]
Manufacturer's Name JOHNSON
Type STAINLESS Model No.
Diam. 6 Slot size .010 from 165 ft. to 176 ft.
Diam. Slot size from ft. to ft.

Gravel packed: Yes [ ] No [X] Size of gravel:
Gravel placed from ft. to ft.

Surface seal: Yes [X] No [ ] To what depth? 18 ft.
Material used in seal BENTONITE
Did any strata contain unusable water? Yes [ ] No [ ]
Type of water? Depth of strata.
Method of sealing strata off

(7) PUMP: Manufacturer's Name
Type: H.P.

(8) WATER LEVELS: Land-surface elevation above mean sea level. ft.
Static level 131 ft. below top of well Date 9/2/86
Artesian pressure lbs. per square inch Date
Artesian water is controlled by (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes [ ] No [ ] If yes, by whom?
Yield gal./min. with ft. drawdown after hrs.
" " " "
" " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test 9/4/86
Bailer test 84 gal./min. with 19 ft. drawdown after 4 hrs.
Artesian flow g.p.m. Date 9/2/86
Temperature of water Was a chemical analysis made? Yes [ ] No [X]

(10) WELL LOG:
Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL	FROM	TO
OVERBURDEN	0	1
BRN. SANDY HARDPAN	1	40
" HARDPAN	40	50
BRN. SANDY HARDPAN W/GRAVEL	50	73
BRN. SANDY HARDPAN	73	94
BRN. SILT W/GRAVEL & SAND	94	111
BRN. SANDY HARDPAN W/ GRAVEL	111	117
BRN. SILTY SAND	117	155
BRN. GRAVELLY HARDPAN	155	159
DIRTY BRN. SAND & H2O	159	166
CLEAN BRN. SAND & GVL. & H2O	166	176

Work started 8/26 19 86 Completed 9/2 19 86

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME MATHEWS WELL DRLG. (Person, firm, or corporation) (Type or print)
Address P.O. BX 1643 POULSBO, WA.
[Signed] JON C. MATH (Well Driller)
License No. 1137 Date 12/20 19 86

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

25/02-35E

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT
STATE OF WASHINGTON

Application No. .....
Permit No. 98110

(1) OWNER: Name Frank C. Vibrana Address 320 Highland Lane NW, Bainbridge Island

(2) LOCATION OF WELL: County Kitsap SW ¼ NW ¼ Sec. 35 T. 25 N., R. 2 E. W.M.

Bearing and distance from section or subdivision corner Portion of Gov. Lot 1

(3) PROPOSED USE: Domestic [X] Industrial [ ] Municipal [ ]
Irrigation [ ] Test Well [ ] Other [ ]

(4) TYPE OF WORK: Owner's number of well (if more than one) .....
New well [X] Method: Dug [ ] Bored [ ]
Deepened [ ] Cable [X] Driven [ ]
Reconditioned [ ] Rotary [ ] Jetted [ ]

(5) DIMENSIONS: Diameter of well 8 inches.
Drilled 133 ft. Depth of completed well 133 ft.

(6) CONSTRUCTION DETAILS:

Casing installed: 8 " Diam. from 0 ft. to 128 ft.
Threaded [ ] ..... " Diam. from ..... ft. to ..... ft.
Welded [X] ..... " Diam. from ..... ft. to ..... ft.

Perforations: Yes [ ] No [X]
Type of perforator used .....
SIZE of perforations ..... in. by ..... in.
..... perforations from ..... ft. to ..... ft.
..... perforations from ..... ft. to ..... ft.
..... perforations from ..... ft. to ..... ft.

Screens: Yes [X] No [ ] Johnson
Manufacturer's Name .....
Type Stainless Model No. .....
Diam. 6 Slot size 12 from 128 ft. to 133 ft.
Diam. ..... Slot size ..... from ..... ft. to ..... ft.

Gravel packed: Yes [ ] No [X] Size of gravel: .....
Gravel placed from ..... ft. to ..... ft.

Surface seal: Yes [X] No [ ] To what depth? 20 ft.
Material used in seal Bentonite
Did any strata contain unusable water? Yes [ ] No [X]
Type of water? ..... Depth of strata .....
Method of sealing strata off .....

(7) PUMP: Manufacturer's Name Ste-Rite
Type: Sub H.P. ½

(8) WATER LEVELS: Land-surface elevation above mean sea level 40 ft.
Static level 42 ft. below top of well Date .....
Artesian pressure ..... lbs. per square inch Date .....
Artesian water is controlled by ..... (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes [X] No [ ] If yes, by whom? Driller
Yield: 12 gal./min. with 58 ft. drawdown after 5 hrs.
" " " " " "
" " " " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test .....
Bailer test 11 gal./min. with ..... ft. drawdown after ..... hrs.
Artesian flow ..... g.p.m. Date .....
Temperature of water ..... Was a chemical analysis made? Yes [ ] No [X]

(10) WELL LOG:

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL		FROM	TO
Gravel fill		0	3
Clay	Brown	3	14
Clay	Blue	14	50
Compacted silt	Blue	50	60
Clay	Blue	60	130
Sand	Black	130	133
Clay	Blue	133	—

Work started Dec 5, 19 77 Completed Dec 16, 19 77

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME CRABTREE DRILLING CO. (Person, firm, or corporation) (Type or print)

Address 33349 Eglon Rd. NE, Kingston

[Signed] Jerry Crabtree (Well Driller)

License No. 223-02 Date Dec. 16, 19 77

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

25/02 - 26 F

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT

STATE OF WASHINGTON

Application No.

Permit No

(1) OWNER: Name Gerard Bentzen Address 882 State Hwy 305 NE, Bainbridge Island 98110

(2) LOCATION OF WELL: County Kitsap — SE ¼ NW ¼ Sec 26 T. 25 N., R. 2E W.M.

Bearing and distance from section or subdivision corner

(3) PROPOSED USE: Domestic [X] Industrial [ ] Municipal [ ]
Irrigation [ ] Test Well [ ] Other [ ]

(4) TYPE OF WORK: Owner's number of well (if more than one)
New well [X] Method: Dug [ ] Bored [ ]
Deepened [ ] Cable [X] Driven [ ]
Reconditioned [ ] Rotary [ ] Jetted [ ]

(5) DIMENSIONS: Diameter of well 6 inches.
Drilled 127 ft. Depth of completed well 127 ft.

(6) CONSTRUCTION DETAILS:

Casing installed: ..." Diam. from .. ft. to .. ft.
Threaded [ ] ..." Diam. from .. ft. to .. ft.
Welded [X] 6" Diam. from 0 ft. to 122 ft.

Perforations: Yes [ ] No [X]
Type of perforator used
SIZE of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

Screens: Yes [X] No [ ] Johnson
Manufacturer's Name
Type Stainless Model No.
Diam. Slot size from ft. to ft.
Diam. 6 Slot size 4 from 122 ft. to 127 ft.

Gravel packed: Yes [ ] No [X] Size of gravel:
Gravel placed from ft. to ft.

Surface seal: Yes [X] No [ ] To what depth? 19 ft.
Material used in seal Bentonite
Did any strata contain unusable water? Yes [ ] No [X]
Type of water? Depth of strata
Method of sealing strata off

(7) PUMP: Manufacturer's Name Sta-Rite
Type: Jet H.P. 1

(8) WATER LEVELS: Land-surface elevation above mean sea level 160 ft.
Static level 81 ft. below top of well Date 8-28-81
Artesian pressure lbs. per square inch Date
Artesian water is controlled by (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes [X] No [ ] If yes, by whom? Driller
Yield: gal./min. with ft. drawdown after hrs.
" 14½ " 18 " 3 "
" " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test
Bailer test 15 gal./min. with 14 ft. drawdown after 3 hrs.
Artesian flow g.p.m. Date
Temperature of water Was a chemical analysis made? Yes [ ] No [X]

(10) WELL LOG:

Formation: *Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.*

MATERIAL		FROM	TO
Top soil	Brown	0	2
Clay	"	2	12
Hard pan	"	12	16
Clay	"	16	23
Hard pan sandy	"	23	40
Sand Clay bound	"	40	50
Sand Dry	"	50	85
Silty sand	"	85	93
Clay	"	93	99
Clay	Blue	99	101
Silty sand	"	101	106
Sand Water bearing	Gray	106	114
Sand Fine	"	114	127
Clay	Blue	127	

Work started Aug. 19, 1981 Completed Aug. 28, 1981

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME CRABTREE DRILLING Co.
(Person, firm, or corporation) (Type or print)

Address 23349 EGLON RD N.E. KINGSTON

[Signed] Jerry Crabtree
(Well Driller)

License No. 82 Date Sept. 2, 1981

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

25/02-15Q

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT

STATE OF WASHINGTON

Application No. .....

Permit No .....

(1) OWNER: Name Gladys Eason Address 9553 N.E. Bardwell Rd, Bainbridge

(2) LOCATION OF WELL: County Kitsap NW¼ of SW¼ SE¼ Sec. 15 T. 25 N., R. 2 E. W.M.

Bearing and distance from section or subdivision corner

(3) PROPOSED USE: Domestic [X] Industrial [ ] Municipal [ ]
Irrigation [ ] Test Well [ ] Other [ ]

(4) TYPE OF WORK: Owner's number of well (if more than one) .....
New well [X] Method: Dug [ ] Bored [ ]
Deepened [ ] Cable [X] Driven [ ]
Reconditioned [ ] Rotary [ ] Jetted [ ]

(5) DIMENSIONS: Diameter of well 6 inches.
Drilled 124 ft. Depth of completed well 124 ft.

(6) CONSTRUCTION DETAILS:

Casing installed: ..." Diam. from .. ft. to .. ft.
Threaded [ ] 6" Diam. from 0 ft. to 119 ft.
Welded [X] ..." Diam. from .. ft. to .. ft.

Perforations: Yes [ ] No [X]
Type of perforator used .....
SIZE of perforations ... in. by ... in.
... perforations from ... ft. to ... ft.
... perforations from ... ft. to ... ft.
... perforations from ... ft. to ... ft.

Screens: Yes [X] No [ ] Johnson
Manufacturer's Name .....
Type Stainless Model No. .....
Diam. ... Slot size ... from ... ft. to ... ft.
Diam. 6 Slot size 8 from 119 ft. to 124 ft.

Gravel packed: Yes [ ] No [X] Size of gravel: .....
Gravel placed from ... ft. to ... ft.

Surface seal: Yes [X] No [ ] To what depth? 19 ft.
Material used in seal Bentonite
Did any strata contain unusable water? Yes [ ] No [X]
Type of water? ... Depth of strata ...
Method of sealing strata off .....

(7) PUMP: Manufacturer's Name Sta-Rite
Type: Deep H.P. 3

(8) WATER LEVELS: Land-surface elevation above mean sea level 100 ft.
Static level 46 ft. below top of well Date 4-8-81
Artesian pressure ... lbs. per square inch Date .....
Artesian water is controlled by ... (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes [X] No [ ] If yes, by whom? Driller
Yield: ... gal./min. with ... ft. drawdown after ... hrs.
" " " " "
" 14 " 45 " 4 "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test .....
Baller test 14 gal./min. with 54 ft. drawdown after 3 hrs.
Artesian flow ... g.p.m. Date .....
Temperature of water ... Was a chemical analysis made? Yes [ ] No [X]

(10) WELL LOG:

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL		FROM	TO
Fill	Brown	0	6
Clay & rocks	"	6	53
Sand & gravel cemented	"	53	55
Sandy clay	"	55	87
Sandy clay	Gray	87	100
Fine sand & clay	"	100	102
Sandy silt	"	102	114
Fine sand & rocks	"	114	117
Fine sand	"	117	123
Dirty sand	"	123	—

Work started March 30, 19 81 Completed April 8, 19 81

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME CRABTREE DRILLING CO.
(Person, firm, or corporation) (Type or print)

Address 33349 Elon Rd. N.E. Kingston

[Signed] Jerry Crabtree
(Well Driller)

License No. 82 Date April 13, 19 81

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

ENTERED

25-2-15G

WATER WELL REPORT

STATE OF WASHINGTON

Start Card No. W093066

UNIQUE WELL I.D. # ABP823

Water Right Permit No. _____

(1) **OWNER:** Name MR. GEORGE FILLER Address 10445 SECRETARIAT LN.NE,BAIN.ISLAND,WA 98110

(2) **LOCATION OF WELL:** County KITSAP NE 1/4 SW 1/4 Sec 15 T 25 N.R 2E W.M.

(2a) **STREET ADDRESS OF WELL** (or nearest address) DERBY DOWNS PLAT

(3) **PROPOSED USE:** XX Domestic ☐ Industrial ☐ Municipal ☐ ☐ Irrigation ☐ Test Well ☐ Other ☐ ☐ DeWater

(4) **TYPE OF WORK:** Owner's number of well (If more than one) _____

Abandoned ☐ New well XX Method: Dug ☐ Bored ☐ Deepened ☐ Cable ☐ Driven ☐ Reconditioned ☐ Rotary XX Jetted ☐

(5) **DIMENSIONS:** Diameter of well 6 inches. Drilled 238 feet. Depth of completed well 238 ft.

(6) **CONSTRUCTION DETAILS:**

Casing Installed: 6 " Diam. from 0 ft. to 238 ft.
Welded XX
Liner installed ☐ " Diam. from _____ ft. to _____ ft.
Threaded ☐ " Diam. from _____ ft. to _____ ft.

Perforations: Yes XX No ☐
Type of perforator used STAR
SIZE of perforations 1/4 in. by 2 in.
95 perforations from 225 ft. to 235 ft.
_____ perforations from _____ ft. to _____ ft.
_____ perforations from _____ ft. to _____ ft.

Screens: Yes ☐ No XX
Manufacturer's Name _____
Type _____ Model No. _____
Diam. ____ Slot size _____ from _____ ft. to _____ ft.
Diam. ____ Slot size _____ from _____ ft. to _____ ft.

Gravel packed: Yes ☐ No XX Size of gravel _____
Gravel placed from _____ ft. to _____ ft.

Surface seal: Yes XX No ☐ To what depth? 18 ft.
Material used in seal BENTONITE
Did any strata contain unusable water? Yes ☐ No XX
Type of water? _____ Depth of strata _____
Method of sealing strata off _____

(7) **PUMP:** Manufacturer's Name GOULDS
Type: SUBMERSIBLE 25GS50 H.P. 5

(8) **WATER LEVELS:** Land-surface elevation above mean sea level _____
Static level 135 ft below top of well Date 10/02/97
Artesian pressure _____ lbs. per square inch Date _____
Artesian water is controlled by _____ (Cap, valve, etc.)

(9) **WELL TESTS:** Drawdown is amount water level is lowered below static level
Was a pump test made? Yes XX No ☐ If yes, by whom? GRESHAM
Yield: 60 gal./min. with 44 ft. drawdown after 4 hrs.
" " " "
" " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level
FULL RECOV.	IN 7 MIN.				

Date of test 10/02/97
Bailer test _____ gal./min. with _____ ft. drawdown after _____ hrs.
Airtest 60 gal./min. with stem set at 215 ft. for 1 hrs.
Artesian flow _____ g.p.m. Date _____
Temperature of water 50 Was a chemical analysis made? Yes ☐ No XX

(10) **WELL LOG or ABANDONMENT PROCEDURE DESCRIPTION**

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of information.

MATERIAL	FROM	TO
BROWN SANDY TOPSOIL	0	2
GRAY HARDPAN	2	35
GRAY SILTY SAND & GRAVEL	35	90
STICKY GRAY CLAY	90	145
GRAY SILTY SAND & GRAVEL	145	183
GRAY SILTY SAND	183	217
GRAY SILTY SAND & GRAVEL	217	223
GRAY COARSE SILTY SAND & GRAVEL,	223	
H2O		236
GRAY CLAYBOUND GRAVEL	236	238

RECEIVED
OCT 23 1997
DEPT. OF ECOLOGY

Work Started 8/13/97, 19. Completed 10/02/97, 19

WELL CONSTRUCTOR CERTIFICATION:

I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

NAME GRESHAM WELL DRILLING, INC. (PERSON, FIRM, OR CORPORATION) (TYPE OR PRINT)

Address 3105 NW LAKENESS RD.,POULSBO,WA 98370

(Signed) _____ (WELL DRILLER) License No. 0761

Contractor's Registration No. GRESHWD055BC Date 10/03/97, 19

(USE ADDITIONAL SHEETS IF NECESSARY)

Ecology is an Equal Opportunity and Affirmative Action employer. For special accommodation needs, contact the Water Resources Program at (206) 407-6600. The TDD number is (206) 407-6006.

ECY 050-1-20 (9/93) * * f

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

ENTERED

WATER WELL REPORT

STATE OF WASHINGTON

Start Card No. W32912
Unique Well I.D. # ABC166
Water Right Permit No.

(1) OWNER: Name GROVES, GARY Address 9800 SANDS RD. BAINBRIDGE IS., WA 98110 - 25/2E/15 N'

(2) LOCATION OF WELL: County KITSAP - SW 1/4 SW 1/4 Sec 15 T 25 N., R 2E WM
(2a) STREET ADDRESS OF WELL (or nearest address) SAME, SAME

(3) PROPOSED USE: DOMESTIC

(4) TYPE OF WORK: Owner's Number of well (If more than one)
NEW WELL Method: ROTARY

(5) DIMENSIONS: Diameter of well 6 inches
Drilled 221 ft. Depth of completed well 220 ft.

(6) CONSTRUCTION DETAILS:
Casing installed: 6 " Dia. from 0 ft. to 211.7 ft.
WELDED " Dia. from ft. to ft.
" Dia. from ft. to ft.

Perforations: NO
Type of perforator used
SIZE of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

Screens: YES
Manufacturer's Name HOUSTON
Type STAINLESS Model No.
Diam. 5 slot size 12 from 210 ft. to 215 ft.
Diam. 5 slot size 12 from 215 ft. to 220 ft.

Gravel packed: NO Size of gravel
Gravel placed from ft. to ft.

Surface seal: YES To what depth? 20 ft.
Material used in seal BENTONITE
Did any strata contain unusable water? NO
Type of water? Depth of strata ft.
Method of sealing strata off

(7) PUMP: Manufacturer's Name STA-RITE
Type SUBMERSIBLE H.P. 2

(8) WATER LEVELS: Land-surface elevation above mean sea level ... ft.
Static level 115.5 ft. below top of well Date 10/05/94
Artesian Pressure lbs. per square inch Date
Artesian water controlled by

(9) WELL TESTS: Drawdown is amount water level is lowered below static level.
Was a pump test made? NO If yes, by whom?
Yield: gal./min with ft. drawdown after hrs.

Recovery data

Time	Water Level	Time	Water Level	Time	Water Level

Date of test / /
Bailer test 10 gal/min. 10 ft. drawdown after .25 hrs.
Air test gal/min. w/ stem set at ft. for hrs.
Artesian flow g.p.m. Date
Temperature of water Was a chemical analysis made? YES

(10) WELL LOG

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change in formation.

MATERIAL	FROM	TO
BROWN SAND CLAY & GRAVEL	0	12
BROWN CLAY & GRAVEL	12	29
DARK BROWN SAND CLAY & GRAVEL	29	31
BROWNISH GREY SAND CLAY & GRAVEL	31	33
GREY CLAY & GRAVEL SOME SAND	33	62
GREY STICKY CLAY	62	200
GREY SAND SOME GRAVEL WATER	200	221

RECEIVED
NOV 28 1994
Dept. of Ecology

Work started 10/03/94 Completed 10/05/94

WELL CONSTRUCTOR CERTIFICATION:
I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

NAME DUCKWORTH PUMP & DRILLING
(Person, firm, or corporation) (Type or print)

ADDRESS 18365 DIAMOND DRIVE NE

[SIGNED] Donald D. Duckworth License No. 1148 1147

Contractor's
Registration No. DUCKWPW148CJ Date 10/06/94

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

THIS NOTIFICATION NUMBER MUST BE PROVIDED TO YOUR WELL DRILLER: W 32912

Groves

WELL SIZE: 1. NEW WELL LESS THAN 12" IN DIAMETER - Amount of payment $100.00
2. NEW WELL 12" IN DIAMETER, OR MORE - Amount of payment $200.00

AMOUNT ENCLOSED $ 100.00

SUBMITTED BY (return address) ↓

NAME Duckworth Pump & Well Drilling

MAILING ADDRESS 18365 Diamond Drive N.E.

CITY Poulsbo STATE WA. ZIP 98370

Agency Validation

CJ: 461C1228

Date: SEP 09 1994

ECY 040-21 (7/93)

Continued on back →

25/01/24P

File Original and First Copy with Department of Ecology
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WATER WELL REPORT
STATE OF WASHINGTON

Application No
Permit No

(1) **OWNER:** Name NORTH PERRY AVE W.D. Address 2921 PERRY AVE BREMERTON 98301

(2) **LOCATION OF WELL:** County KITSAP S 1/2 – SE ¼ SW ¼ Sec 24 T. 25 N., R. 1 E W.M.

Bearing and distance from section or subdivision corner

(3) **PROPOSED USE:** Domestic ☐ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☒ Other ☐

(4) **TYPE OF WORK:** Owner's number of well (if more than one) GILBERTON WEST TEST
New well ☐ Method: Dug ☐ Bored ☐
Deepened ☐ Cable ☐ Driven ☐
Reconditioned ☐ Rotary ☐ Jetted ☐

(5) **DIMENSIONS:** Diameter of well 16 x 12 inches.
Drilled 822 ft. Depth of completed well 816 ft.

(6) **CONSTRUCTION DETAILS:**
Casing installed: 16 " Diam. from 0 ft. to 360 ft.
Threaded ☐ 12 " Diam. from 0 ft. to 822 ft
Welded ☒ " Diam. from ft. to ft.

Perforations: Yes ☐ No ☒
Type of perforator used
SIZE of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

Screens: Yes ☒ No ☐
Manufacturer's Name JOHNSON
Type Model No.
Diam. 6 PS Slot size 35 from 758 ft. to 770 ft.
Diam. 6 PS Slot size 35 from 786 ft. to 796 ft.
6 PS 35 804 811

Gravel packed: Yes ☒ No ☐ Size of gravel 8 x 12
Gravel placed from 814 ft. to 718 ft.

Surface seal: Yes ☐ No ☐ To what depth? ft.
Material used in seal
Did any strata contain unusable water? Yes ☐ No ☐
Type of water? Depth of strata
Method of sealing strata off

(7) **PUMP:** Manufacturer's Name
Type: H.P.

(8) **WATER LEVELS:** Land-surface elevation above mean sea level 300 ft.
Static level 265 ft. below top of well Date 4/8/86
Artesian pressure lbs. per square inch Date
Artesian water is controlled by (Cap, valve, etc.)

(9) **WELL TESTS:** Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☐ No ☒ If yes, by whom?
Yield: gal./min. with ft. drawdown after hrs.

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test
Bailer test 50 gal./min. with 108 ft drawdown after 2 hrs.
Artesian flow g.p.m. Date
Temperature of water Was a chemical analysis made? Yes ☐ No ☐

(10) **WELL LOG:**
Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL	FROM	TO
SEE ATTACHED LOG		
WELL IS TO BE ABANDONED AS NOT PRODUCTIVE ENOUGH FOR DISTRICT'S NEEDS		
REPORT PREPARED BY ROBINSON & NOBLE, INC		
J B Mott 4/25/86		

Work started 7/22, 19 85 Completed 4/23, 19 86

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME BURT DRILLING CO. (Person, firm, or corporation) (Type or print)

Address POULSBO, WA

[Signed] George D. Burt (Well Driller)

License No. 0048 Date 5-12, 19 86.

ORIGINAL SIGNED BY DRILLER

(USE ADDITIONAL SHEETS IF NECESSARY)

EGY 050-1-20

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

GILBERTON WEST WELL

GEOLOGIC LOG

MATERIAL	DEPTH (ft.)
Fine brown silty sand	0-38
Brown silt	38-43
Gray silt, clayey silt and silty clay.	43-220
Very silty gravel	220-244
Gray sandy silt	244-254
Silty fine to coarse sand with silt layers. Little water	254-264
Gray clayey silt	264-287
Silty fine to medium sand	287-291
Gray silt	291-294
Silty fine to coarse sand. Little water.	294-329
Hard pebbly silt	329-335
Very fine sandy silt	335-341
Gray clayey silt with gravelly layers. Some water	341-358
Gray clayey silt	358-411
Gray clayey pebbly silt with gravelly layers	411-429
Gray clayey silt	429-478
Gray fine to medium silty sand	478-495
Gray clayey silt	495-503
Gray gravelly sandy silt	503-530
Fine to medium slightly silty sand with some gravel	530-539
Gravelly clayey silt	539-553
Sand and gravel	553-555
Very silty gravel	555-561
Clayey silt with occasional gravel	561-589

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

Fine to medium slightly silty sand	589-595
Pebbly silt	595-603
Fine to medium slightly silty sand with silt layers	603-621
Gray clayey silt	621-673
Fine to medium sand	673-681
Gray clayey silt	681-702
Coarse sand and gravel	702-706
Sandy silt	706-728
Gravelly silt	728-733
Sand and gravel	733-739
Gravelly silt	739-742
Gravelly silt and sandy gravel	742-749
Hard sandy pebbly silt	749-759
Silty medium to coarse sand and gravel. (Screened 758-770')	759-776
Pebbly silt	776-782
Brown silt with peat fragments	782-784
Cemented gravel with peat fragments	784-787
Silty gravelly sand and sandy gravel with cemented layers. (Screened 786-796')	787-799
Cemented sand and gravel	799-805
Silty sand and gravel with few thin cemented layers. Gravel rusty. (Screened 804-811').	805-817
Gray gravelly silt	817-822

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT
STATE OF WASHINGTON

25/02 — 2-20 1
Application No

Permit No.

(1) OWNER: Name Kramer, Glenn Address 5151 NE Beach ST. BAINBRIDGE Is WA 98110

(2) LOCATION OF WELL: County Kitsap — SE¼ NW¼ Sec. 20 T. 25 N., R. 2E W.M.

Bearing and distance from section or subdivision corner (See attached)

(3) PROPOSED USE: Domestic ☒ Industrial ☐ Municipal ☐ Irrigation ☐ Test Well ☐ Other ☐

(4) TYPE OF WORK: Owner's number of well (if more than one)
New well ☒ Method: Dug ☐ Bored ☐
Deepened ☐ Cable ☒ Driven ☐
Reconditioned ☐ Rotary ☐ Jetted ☐

(5) DIMENSIONS: Diameter of well 6 inches.
Drilled 134 ft. Depth of completed well 134 ft.

(6) CONSTRUCTION DETAILS:

Casing installed: 6 " Diam. from 0 ft. to 134 ft.
Threaded ☐ " Diam. from ft. to ft.
Welded ☒ " Diam. from ft. to ft.

Perforations: Yes ☐ No ☒
Type of perforator used
SIZE of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

Screens: Yes ☒ No ☐
Manufacturer's Name Johnson
Type Stainless Steel Model No. 10"
Diam. 6" Slot size #14 from 128 ft. to 133' ft.
Diam. Slot size from ft. to ft.

Gravel packed: Yes ☐ No ☒ Size of gravel:
Gravel placed from ft. to ft.

Surface seal: Yes ☒ No ☐ To what depth? 22 ft.
Material used in seal Bentonite
Did any strata contain unusable water? Yes ☐ No ☐
Type of water? Depth of strata
Method of sealing strata off

(7) PUMP: Manufacturer's Name
Type: H.P.

(8) WATER LEVELS: Land-surface elevation above mean sea level ft.
Static level 112 ft. below top of well Date 10-5-80
Artesian pressure lbs. per square inch Date
Artesian water is controlled by (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☐ No ☐ If yes, by whom?
Yield: gal./min. with ft. drawdown after hrs.
" " " "
" " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test
Baller test 15 gal./min. with 0 ft. drawdown after 2 hrs.
Artesian flow g.p.m. Date
Temperature of water Was a chemical analysis made? Yes ☐ No ☐

(10) WELL LOG:

Formation: *Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.*

MATERIAL	FROM	TO
Hardpan	0	17
Cemented Gravel	17	65
Clay	65	68
Sand, Gravel & Water (bailed dry)	68	70
Hardpan	70	80
Cemented Gravel	80	95
Clay - Gravel	95	102
Cemented Gravel	102	124
Blue Clay	124	128
Blue Sand, Gravel & Water	128	134

RECEIVED
NOV 3 1980
DEPARTMENT OF ECOLOGY
NORTHWEST REGION

Work started 9-17, 1980 Completed 10-6, 1980

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME Burt Well Drilling, Inc. (Person, firm, or corporation) (Type or print)

Address Rt. 1, Box 283 Poulsbo, WA 98370

[Signed] George D Burt (Well Driller)

License No. 0048 Date 10-28, 1980

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

191704

25-2E-29P

WATER WELL REPORT

Original & 1st copy – Ecology, 2nd copy – owner, 3rd copy – driller

Construction/Decommission *("x" in circle)*

- [x] Construction
- [ ] Decommission *ORIGINAL INSTALLATION Notice of Intent Number* _____

CURRENT
Notice of Intent No. W189594

Unique Ecology Well ID Tag No. AKR163

Water Right Permit No. N/A

Property Owner Name GARRET LARSEN

Well Street Address 6475 CRYSTAL SPRINGS DRIVE

City BAINBRIDGE ISLAND County KITSAP

Location SE 1/4-1/4 SW 1/4 Sec 29 Twn 25 R 2E EWM or WWM [x] circle one

Lat/Long (s, t, r Still **REQUIRED**) Lat Deg _____ Lat Min/Sec _____ Long Deg _____ Long Min/Sec _____

Tax Parcel No. 4142-000-015-0202

PROPOSED USE: [x] Domestic [ ] Industrial [ ] Municipal [ ] DeWater [ ] Irrigation [ ] Test Well [ ] Other _____

TYPE OF WORK: Owner's number of well (if more than one) _____
[x] New well [ ] Reconditioned [ ] Deepened *Method:* [ ] Dug [ ] Bored [ ] Driven [x] Cable [ ] Rotary [ ] Jetted

DIMENSIONS: Diameter of well 6 inches, drilled 325 ft.
Depth of completed well 325 ft.

CONSTRUCTION DETAILS
Casing Installed: [x] Welded 6 " Diam. from +1 ft. to 320.2 ft.
[ ] Liner installed _____ " Diam. from _____ ft. to _____ ft.
[ ] Threaded _____ " Diam. from _____ ft. to _____ ft.

Perforations: [ ] Yes [x] No
Type of perforator used _____
SIZE of perfs _____ in. by _____ in. and no. of perfs _____ from _____ ft. to _____ ft.

Screens: [x] Yes [ ] No [x] K-Pac Location TOP
Manufacturer's Name WESCO
Type STAINLESS STEEL Model No. TELESCOPING
Diam. 5 Slot size 20 from 320 ft. to 325 ft.
Diam. _____ Slot size _____ from _____ ft. to _____ ft.

Gravel/Filter packed: [ ] Yes [x] No [ ] Size of gravel/sand _____
Materials placed from _____ ft. to _____ ft.

Surface Seal: [x] Yes [ ] No To what depth? 38 ft.
Material used in seal BENTONITE
Did any strata contain unusable water? [ ] Yes [x] No
Type of water? _____ Depth of strata _____
Method of sealing strata off _____

PUMP: Manufacturer's Name GOULDS
Type: SUBMERSIBLE 10LS07 H.P. 3/4

WATER LEVELS: Land-surface elevation above mean sea level _____ ft.
Static level 17.4 ft. below top of well Date 2/27/06
Artesian pressure _____ lbs. per square inch Date _____
Artesian water is controlled by _____ (cap, valve, etc.)

WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? [x] Yes [ ] No If yes, by whom? GRESHAM
Yield: 16 gal./min. with 76.1 ft. drawdown after 1+ hrs.
Yield: _____ gal./min. with _____ ft. drawdown after _____ hrs.
Yield: _____ gal./min. with _____ ft. drawdown after _____ hrs.

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level
FUL	RECOV	39	MIN		

Date of test 2/27/06
Bailer test 20 gal./min. with 63 ft. drawdown after 1 hrs.
Airtest _____ gal./min. with stem set at _____ ft. for _____ hrs.
Artesian flow _____ g.p.m. Date _____
Temperature of water _____ Was a chemical analysis made? [x] Yes [ ] No

CONSTRUCTION OR DECOMMISSION PROCEDURE

Formation: Describe by color, character, size of material and structure, and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of information. (USE ADDITIONAL SHEETS IF NECESSARY.)

MATERIAL	FROM	TO
OVERBURDEN	0	1
BROWN GRAVELLY CLAY	1	9
GRAY GRAVELLY CLAY	9	23
GRAY SILT	23	26
GRAY SILTY CLAY	26	83
GRAY CLAY	83	319
GRAY COARSE SAND & GRAVEL, H20	319	321
GRAY CLAY BOUND SAND & GRAVEL	321	323
GRAY COARSE SAND & GRAVEL, H20	323	325

RECEIVED
MAR 15 2006
DEPT OF ECOLOGY

Start Date 2/14/06 Completed Date 2/23/06

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

[ ] Driller [ ] Engineer [ ] Trainee Name (Print) CRAIG A GRESHAM
Driller/Engineer/Trainee Signature _____
Driller or trainee License No. 0761

Drilling Company GRESHAM WELL DRILLING INC
Address P.O. BOX 1600
City, State, Zip POULSBO, WA 98370-0195

If TRAINEE,
Driller's Licensed No. _____
Driller's Signature _____

Contractor's Registration No. GRESHWD055BC Date 2/28/06

ECY 050-1-20 (Rev 3/05)

Ecology is an Equal Opportunity Employer.

25/02-20J

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT

STATE OF WASHINGTON

Application No. .....

Permit No. .....

(1) OWNER: Name Gary Lovenik Address Fletcher Bay Rd, 2 E, B.I. WA 98110

(2) LOCATION OF WELL: County Kitsap NE¼ of NE¼ SE¼ Sec 20 T 25 N., R 2E W.M.

Bearing and distance from section or subdivision corner

(3) PROPOSED USE: Domestic [X] Industrial [ ] Municipal [ ] Irrigation [ ] Test Well [ ] Other [ ]

(4) TYPE OF WORK: Owner's number of well (if more than one) .....

New well [X] Method: Dug [ ] Bored [ ]
Deepened [ ] Cable [X] Driven [ ]
Reconditioned [ ] Rotary [ ] Jetted [ ]

(5) DIMENSIONS: Diameter of well 6 inches.
Drilled 106 ft. Depth of completed well 106 ft.

(6) CONSTRUCTION DETAILS:

Casing installed: ..." Diam. from ... ft. to ... ft.
Threaded [ ] ..." Diam. from ... ft. to ... ft.
Welded [X] 6 " Diam. from 0 ft. to 101 ft.

Perforations: Yes [ ] No [X]
Type of perforator used .....
SIZE of perforations ... in. by ... in.
... perforations from ... ft. to ... ft.
... perforations from ... ft. to ... ft.
... perforations from ... ft. to ... ft.

Screens: Yes [X] No [ ]
Manufacturer's Name Johnson
Type Stainless Model No .....
Diam. ... Slot size ... from ... ft. to ... ft.
Diam. 6 Slot size 14 from 101 ft. to 106 ft.

Gravel packed: Yes [ ] No [X] Size of gravel: .....
Gravel placed from ... ft. to ... ft.

Surface seal: Yes [X] No [ ] To what depth? 20 ft.
Material used in seal. Bentonite
Did any strata contain unusable water? Yes [ ] No [X]
Type of water? ... Depth of strata ...
Method of sealing strata off .....

(7) PUMP: Manufacturer's Name Ha-Zite
Type: Jet H.P. 3

(8) WATER LEVELS: Land-surface elevation above mean sea level ... ft.
Static level 71 ft. below top of well Date 9-13-83
Artesian pressure ... lbs. per square inch Date ...
Artesian water is controlled by ... (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level Drilled
Was a pump test made? Yes [X] No [ ] If yes, by whom? Driller
Yield: ... gal./min. with ... ft. drawdown after ... hrs.
" " " "
" 15 " 13 " 4 "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test .....
Bailer test 13 gal./min. with 15 ft. drawdown after 3 hrs.
Artesian flow ... g.p.m. Date ...
Temperature of water ... Was a chemical analysis made? Yes [ ] No [X]

(10) WELL LOG:

Formation: *Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.*

MATERIAL	FROM	TO
Top soil Brown	0	2
Hard pan "	2	25
Hard pan Gray	25	45
Sand & gravel - Cemented "	45	48
Sand & gravel - Dirty "	48	52
Sand & gravel "	52	53
Sand & gravel - Cemented "	53	60
Sand & gravel - Dirty "	60	63
Sand & gravel - Clay found "	63	70
Sand & gravel - Cemented "	70	80
Sand & gravel - Clay found "	80	85
Sand & gravel - Cemented "	85	91
Sand & gravel - Water Blue	91	106
Clay "	106	

Work started Sept. 28, 1983 Completed Oct. 11, 1983

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME CRABTREE DRILLING CO
(Person, firm, or corporation) (Type or print)

Address 33549 FOLLN RD. N.L. KINGSTON

[Signed] Jerry Crabtree
(Well Driller)

License No. 82 Date 10-12, 1983

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

File Original and First Copy with Department of Ecology
Second Copy—Owner's Copy
Third Copy—Driller's Copy

WATER WELL REPORT

STATE OF WASHINGTON

Start Card No. 077217 (06/25/33 C)

Water Right Permit No. _____

(1) OWNER: Name GARY & Marcia Address NE Dolphin Dr., Bain Is, Wa. 98110

(2) LOCATION OF WELL: County KITSAP NE¼ NW¼ Sec 33 T 26 N., R 2E.

(2a) STREET ADDDRESS OF WELL (or nearest address) SAME

(3) PROPOSED USE: ☑ Domestic ☐ Industrial ☐ Municipal ☐ ☐ Irrigation ☐ Test Well ☐ Other ☐ ☐ DeWater

(4) TYPE OF WORK: Owner's number of well (if more than one) _____
Abandoned ☐ New well ☑ Method: Dug ☐ Bored ☐ Deepened ☐ Cable ☑ Driven ☐ Reconditioned ☐ Rotary ☐ Jetted ☐

(5) DIMENSIONS: Diameter of well 6 inches. Drilled 332 feet. Depth of completed well 330 ft.

(6) CONSTRUCTION DETAILS:
Casing installed: 6" Diam. from 0 ft. to 325 6 ft.
Welded ☑ Liner installed ☐ Threaded ☐ _____" Diam. from _____ ft. to _____ ft.
Perforations: Yes ☐ No ☑
Type of perforator used _____
SIZE of perforations _____ in. by _____ in.
_____ perforations from _____ ft. to _____ ft.
_____ perforations from _____ ft. to _____ ft.
_____ perforations from _____ ft. to _____ ft.
Screens: Yes ☑ No ☐
Manufacturer's Name _____
Type Tele Model No. _____
Diam. 6 Slot size 10 from 325 ft. to 330 ft.
Diam. _____ Slot size _____ from _____ ft. to _____ ft.
Gravel packed: Yes ☐ No ☐ Size of gravel _____
Gravel placed from _____ ft. to _____ ft.
Surface seal: Yes ☑ No ☐ To what depth? 18 + ft.
Material used in seal Bentinite
Did any strata contain unusable water? Yes ☐ No ☐
Type of water? _____ Depth of strata _____
Method of sealing strata off _____

(7) PUMP: Manufacturer's Name Sta Rite
Type: Sub H.P. 1

(8) WATER LEVELS: Land-surface elevation above mean sea level _____
Static level 235' 6 ft. below top of well Date June 20, 1990
Artesian pressure _____ lbs. per square inch Date _____
Artesian water is controlled by _____ (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☐ No ☑ If yes, by whom? _____
Yield: _____ gal./min. with _____ ft. drawdown after _____ hrs.
" " " "
" " " "
Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test _____
Bailer test 6-7 gal./min. with 54 ft. drawdown after 4 hrs.
Airtest _____ gal./min. with stem set at _____ ft. for _____ hrs.
Artesian flow _____ g.p.m. Date _____
Temperature of water _____ Was a chemical analysis made? Yes ☐ No ☑

(10) WELL LOG or ABANDONMENT PROCEDURE DESCRIPTI

Formation: Describe by color, character, size of material and structure, and s thickness of aquifers and the kind and nature of the material in each stratum penetr with at least one entry for each change of information.

MATERIAL	FROM	TO
Loose coarse brn sand	0	29
silty brn sand with brn clay strips	29	43
silty grey sand with grey clay strips	43	56
Sticky grey clay	56	99
Dry silty sand grey clay	99	119
Dirty wet sand	119	124
Dry silty sand brn clay	124	134
Green clay	134	146
Grey clay	146	184
silty grey clay	184	198
coarse gray sandy grey clay	198	240
Grey clay	240	266
Brn silty clay	266	280
Sticky grey clay & Rocks	280	289
Sticky grey sandy grey clay	289	319
grey clay	319	326
water strip	326	327
Drk grey silt water	327	328
grey clay	328	332

Work started June 4, 1990 completed June 20, 1990

WELL CONSTRUCTOR CERTIFICATION:

I constructed and/or accept responsibility for construction of this w and its compliance with all Washington well construction standar Materials used and the information reported above are true to my b knowledge and belief.

NAME Duckworth Pump & Well Drilling (PERSON, FIRM, OR CORPORATION) (TYPE OR PRINT)

Address 18365 Diamond Dr. Poulsbo

(Signed) Donald D Duckworth (WELL DRILLER) License No. 1147

Contractor's Registration No. DUCKWW145C3 Date 7-10, 1990

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20 (10/87) -1329-

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT
STATE OF WASHINGTON

Application No. 26/02-28Q
Permit No. ....

(1) OWNER: Name Goldie Stice Address 11650 Sunrise Drive Bremerton

LOCATION OF WELL: County Kitsap SE¼ SW¼ SE¼ Sec. 28 T. 26 N., R. 2E W.M.
Bearing and distance from section or subdivision corner

(3) PROPOSED USE: Domestic ☑ Industrial ☐ Municipal ☐ Irrigation ☐ Test Well ☐ Other ☐

(4) TYPE OF WORK: Owner's number of well (if more than one) ....
New well ☑ Method: Dug ☐ Bored ☐ Deepened ☐ Cable ☑ Driven ☐ Reconditioned ☐ Rotary ☐ Jetted ☐

(5) DIMENSIONS: Diameter of well 6 inches. Drilled 296 ft. Depth of completed well 294 ft.

(6) CONSTRUCTION DETAILS:
Casing installed: 6" Diam. from 0 ft. to 290 ft.
Threaded ☐ ." Diam. from ft. to ft.
Welded ☑ ." Diam. from ft. to ft.

Perforations: Yes ☐ No ☑
Type of perforator used
SIZE of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

Screens: Yes ☑ No ☐
Manufacturer's Name Johnson S/S
Type Model No.
Diam. 5 Slot size 10 from 284 ft. to 294 ft.
Diam. Slot size from ft. to ft.

Gravel packed: Yes ☐ No ☑ Size of gravel:
Gravel placed from ft. to ft.

Surface seal: Yes ☑ No ☐ To what depth? 20 ft.
Material used in seal Bentonite
Did any strata contain unusable water? Yes ☐ No ☑
Type of water? Depth of strata
Method of sealing strata off

(7) PUMP: Manufacturer's Name Weltrol
Type: Turb H.P. 3

(8) WATER LEVELS: Land-surface elevation above mean sea level .... ft.
Static level 215 ft. below top of well Date 4-9-79
Artesian pressure lbs. per square inch Date
Artesian water is controlled by (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☑ No ☐ If yes, by whom? Driller
Yield: 15 gal./min. with 69 ft. drawdown after 4 hrs.
" " " "
" " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test
Bailer test 19 gal./min. with 63 ft. drawdown after 5 hrs.
Artesian flow g.p.m. Date
Temperature of water Was a chemical analysis made? Yes ☐ No ☑

(10) WELL LOG:
Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL	FROM	TO
TAN SAND	0	34
Blue Clay	34	60
Blue Silt	60	120
Blue Clay	120	180
Blue Silt	180	240
Blue Clay "STICKY"	240	260
Gray Clay (HARD)	260	280
Blue Clay	280	290
SAND & WATER	290	296
Blue Clay	296	

Work started 19 Completed 19

WELL DRILLER'S STATEMENT:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME McCoy Drilling & Well Development
(Person, firm or corporation) (Type or print)
Address 2401 South Bayview St. Seattle WA. 98144

[Signed] Verd Roberts
(Well Driller)

License No. 0619 Date 4-18 19 79

(USE ADDITIONAL SHEETS IF NECESSARY)

25/02-35J

File Original and First Copy with Department of Ecology
Second Copy—Owner's Copy
Third Copy—Driller's Copy

WATER WELL REPORT

STATE OF WASHINGTON

Start Card No. _____

Water Right Permit No. _____

(1) OWNER: Name HOWARD ANGELL Address 9915 DAY RD. BAINBRIDGE IS.

(2) LOCATION OF WELL: County KITSAP NE ¼ SE ¼ Sec 35 T. 25 N., R. 2E W.M.

(2a) STREET ADDDRESS OF WELL (or nearest address) _____

(3) PROPOSED USE: [ ] Domestic [ ] Industrial [ ] Municipal [✓]
[ ] Irrigation [ ] Test Well [ ] Other [ ]
[ ] DeWater

(4) TYPE OF WORK: Owner's number of well (if more than one) _____
Abandoned [ ] New well [✓] Method: Dug [ ] Bored [ ]
Deepened [ ] Cable [ ] Driven [ ]
Reconditioned [ ] Rotary [✓] Jetted [ ]

(5) DIMENSIONS: Diameter of well 6 inches.
Drilled 160-11 feet. Depth of completed well 160-11 ft.

(6) CONSTRUCTION DETAILS:
Casing installed: 6 " Diam. from 0 ft. to 152 ft.
Welded [✓] " Diam. from _____ ft. to _____ ft.
Linar installed [ ]
Threaded [ ] " Diam. from _____ ft. to _____ ft.

Perforations: Yes [ ] No [✓]
Type of perforator used _____
SIZE of perforations _____ in. by _____ in.
_____ perforations from _____ ft. to _____ ft.
_____ perforations from _____ ft. to _____ ft.
_____ perforations from _____ ft. to _____ ft.

Screens: Yes [✓] No [ ]
Manufacturer's Name JOHNSON
Type STAINLESS Model No. _____
Diam. 5 Slot size 12 from 152 ft. to 161 ft.
Diam. _____ Slot size _____ from _____ ft. to _____ ft.

Gravel packed: Yes [ ] No [✓] Size of gravel _____
Gravel placed from _____ ft. to _____ ft.

Surface seal: Yes [✓] No [ ] To what depth? 20 ft.
Material used in seal BENTONITE
Did any strata contain unusable water? Yes [ ] No [✓]
Type of water? _____ Depth of strata _____
Method of sealing strata off _____

(7) PUMP: Manufacturer's Name Berkley
Type: SUB H.P. 3

(8) WATER LEVELS: Land-surface elevation above mean sea level _____ ft.
Static level 122 ft. below top of well Date 7-6-88
Artesian pressure _____ lbs. per square inch Date _____
Artesian water is controlled by _____ (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes [✓] No [ ] If yes, by whom? Driller
Yield: 30 gal./min. with 29 ft. drawdown after 4 hrs.
" " " "
" " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test _____
Bailer test 14 gal./min. with 10 ft. drawdown after 4 hrs.
Airtest _____ gal./min. with stem set at _____ ft. for _____ hrs.
Artesian flow _____ g.p.m. Date _____
Temperature of water _____ Was a chemical analysis made? Yes [ ] No [✓]

(10) WELL LOG or ABANDONMENT PROCEDURE DESCRIPTION

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of information.

MATERIAL	FROM	TO
SAND + CLAY BROWN	0	20
CLAY BOUND SAND + GRAVEL - BROWN	20	120
SAND + GRAVEL CLAY BOUND - GREY	120	130
CLAY BOUND GRAVEL GREY - BLACK	130	137
WATER SAND + GRAVEL GREY BLACK	137	160
FINER SAND BROWN GREY	160	

Work started 6-13, 19 88 Completed 7-5, 19 88

WELL CONSTRUCTOR CERTIFICATION:

I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

NAME McCOY DRILLING & WELL DEVELOPMENT CO. (TYPE OR PRINT)
(PERSON, FIRM, OR CORPORATION)
Address 9070 N.E. SPARGUR LOOP RD. BAINBRIDGE IS., WA. 98110

(Signed) Mark McCoy License No. 1328
(WELL DRILLER)
Contractor's Registration No. MCCOYDW137Q3 Date 7/6/88, 19

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20 (10-87) -1329- 3

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT
STATE OF WASHINGTON 25/2-34C

Application No 51-24249
Permit No

(1) OWNER: Name Sanderson Address

(2) LOCATION OF WELL: County Kitsap — NE¼ NW¼ Sec 34 T 25 N., R 2E W.M.
Bearing and distance from section or subdivision corner lot 1, Harbor crest

(3) PROPOSED USE: Domestic ☒ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

(4) TYPE OF WORK: Owner's number of well (if more than one)
New well ☒ Method: Dug ☐ Bored ☐
Deepened ☐ Cable ☒ Driven ☐
Reconditioned ☐ Rotary ☐ Jetted ☐

(5) DIMENSIONS: Diameter of well 6 inches.
Drilled 149 ft. Depth of completed well 149 ft.

(6) CONSTRUCTION DETAILS:
Casing installed: 6 " Diam. from 0 ft. to 149 ft.
Threaded ☐ " Diam. from ft. to ft.
Welded ☒ " Diam. from ft. to ft.

Perforations: Yes ☐ No ☒
Type of perforator used
SIZE of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

Screens: Yes ☒ No ☐ Manufacturer's Name Johnson
Type Stainless Steel Model No.
Diam. 6" Slot size #12 from 138 ft. to 149 ft.
Diam Slot size from ft. to ft.

Gravel packed: Yes ☐ No ☒ Size of gravel:
Gravel placed from ft. to ft.

Surface seal: Yes ☒ No ☐ To what depth? 22 ft.
Material used in seal Bentonite
Did any strata contain unusable water? Yes ☐ No ☐
Type of water? Depth of strata
Method of sealing strata off

(7) PUMP: Manufacturer's Name
Type: H.P.

(8) WATER LEVELS: Land-surface elevation above mean sea level ft.
Static level 32 ft. below top of well Date 2-10
Artesian pressure lbs. per square inch Date
Artesian water is controlled by (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☐ No ☐ If yes, by whom?
Yield: 67 gal./min. with 52 ft. drawdown after 6 hrs.
" 67 " " " "
" " " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test
Bailer test 65 gal./min. with 50 ft. drawdown after 6 hrs.
Artesian flow g.p.m. Date
Temperature of water Was a chemical analysis made? Yes ☐ No ☐

(10) WELL LOG:
Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL	FROM	TO
Top Soil	0	3
Sandy Hardpan	3	9
Silty clay	9	30
" "	30	110
Silty Sandy Clay	110	130
Coarse Blue Sand & water	130	134
Blue cemented Sand & Gravel	134	140
Blue Coarse Sand & water	140	149
Blue Sand w/clay	149	

Work started 2-3, 1983 Completed 2-10, 1983

WELL DRILLER'S STATEMENT:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME Burt Well Drilling, Inc.
(Person, firm, or corporation) (Type or print)
Address 19782 N.E. Lincoln Rd. Poulsbo Wa. 98370
[Signed] George O. Burt
(Well Driller)
License No. 0048 Date 2-11, 1983

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT

STATE OF WASHINGTON

Application No. 61-24249
Permit No. ACD357
25/2E-34C

(1) OWNER: Name Sanderson Address

(2) LOCATION OF WELL: County Kitsap NE¼ NW¼ Sec 34 T 25 N. R 2E W.M.
Bearing and distance from section or subdivision corner lot 1 Harborcrest

(3) PROPOSED USE: Domestic ☒ Industrial ☐ Municipal ☐ Irrigation ☐ Test Well ☐ Other ☐

(4) TYPE OF WORK: Owner's number of well (if more than one) HARBOR CREST
New well ☒ Method: Dug ☐ Bored ☐ Deepened ☐ Cable ☒ Driven ☐ Reconditioned ☐ Rotary ☐ Jetted ☐

(5) DIMENSIONS: Diameter of well 6 inches. Drilled 149 ft. Depth of completed well 149 ft.

(6) CONSTRUCTION DETAILS:
Casing installed: 6" Diam. from 0 ft. to 149 ft.
Threaded ☐ " Diam. from ft. to ft.
Welded ☒ " Diam. from ft. to ft.

Perforations: Yes ☐ No ☒
Type of perforator used
SIZE of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

Screens: Yes ☒ No ☐
Manufacturer's Name Johnson
Type Stainless Steel Model No.
Diam. 6" Slot size #12 from 138 ft. to 149 ft.
Diam. Slot size from ft. to ft.

Gravel packed: Yes ☐ No ☒ Size of gravel:
Gravel placed from ft. to ft.

Surface seal: Yes ☒ No ☐ To what depth? 22 ft.
Material used in seal Bentonite
Did any strata contain unusable water? Yes ☐ No ☐
Type of water? Depth of strata
Method of sealing strata off

(7) PUMP: Manufacturer's Name
Type: H.P.

(8) WATER LEVELS: Land-surface elevation above mean sea level 80' ft.
Static level 32 ft. below top of well Date 2-10
Artesian pressure lbs. per square inch Date
Artesian water is controlled by (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☐ No ☐ If yes, by whom?
Yield: 67 gal./min. with 50 ft. drawdown after 6 hrs.
" 67 " " "
" " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

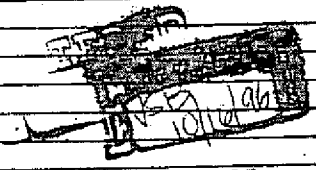
Time	Water Level	Time	Water Level	Time	Water Level

Date of test
Bailer test 65 gal./min. with 50 ft. drawdown after 6 hrs.
Artesian flow g.p.m. Date
Temperature of water Was a chemical analysis made? Yes ☐ No ☐

(10) WELL LOG:
Formation: Describe by color, character, size of material and structure; and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL	FROM	TO
Top Soil	0	3
Sandy Hardpan	3	9
Silty clay	9	30
" "	30	110
Silty Sandy Clay	110	130
Coarse Blue Sand & Water	130	134
Blue cemented Sand & Gravel	134	140
Blue Coarse Sand & Water	140	149
Blue Sand w/clay	149	

HARBOR CREST ID#018324



SCREEN ELEV ~ 72 to -72
738 -149
-66 -77

Grid 42-43

ENGINEER DESIGN REPORT

72' PRO ALTIMETER 6/9/97

RECEIVED
FEB 11 1983
DEPARTMENT OF ECOLOGY
NORTHWEST REGION

Work started 2-3 19 83 Completed 2-10 19 83

WELL DRILLER'S STATEMENT:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME Burt Well Drilling, Inc. (Person, firm, or corporation) (Type or print)
Address 19782 N.E. Lincoln Rd. Poulsbo Wa. 9835

[Signed] George D. Burt (Well Driller)

License No. 0045 Date 2-11 19 83

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20

ACD357

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

WASHINGTON STATE DEPARTMENT OF ECOLOGY

KPUD – Harbor Crest WATER SYSTEM

PARCEL I.D. = 650500000010006

UNIQUE WELL I.D. NUMBER A C 0 3 5 7
X Y Z 1 2 3

ENTERED

WELL TAGGING FORM

Date of Field Visit 6/9/97 By M SEBREN, KPUD

ADDITIONAL WELL IDENTIFIERS

Department of Health System ID Number 01832W Source Number SO 1

USGS Site Identification _____

RECORD VERIFICATION

☒ Well Report available *(please attach)*
☐ Well Report not available
☐ Verification inconclusive

WELL OWNERSHIP, IF DIFFERENT FROM WELL REPORT

Name PUBLIC UTILITY DISTRICT No. 1 OF KITSAP COUNTY

Street address PO Box 1989

City POULSBO State WA 98370

LOCATION OF WELL, IF DIFFERENT FROM WELL REPORT

Well Address INTERSECTION OF N.E. EAGLE DRIVE AND HARBOR CREST DRIVE N.E.

City BAINBRIDGE ISLAND County KITSAP

T. 25 N. R. 02 E W.M. Sec. 34C NE ¼ of the NW ¼

Latitude 47 ° 37 ' ~~15~~ PDOP 3.2 14:40 "
Longitude 122 ° 31 ' ~~50~~ 55.79 "

☒ GPS (raw data)
☐ GPS (corrected)
☐ Topographic Map
☐ Survey
☐ Computer generated
☐ Other GOOGLE EARTH 8/16/11
☒ Digital Altimeter
☐ Topographic Map

Elevation at land surface 72 feet/meters *(circle one)*

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

24-2E-2C

WATER WELL REPORT

Original & 1st copy – Ecology, 2nd copy – owner, 3rd copy – driller

Construction/Decommission *("x" in circle)* 181844

☑ Construction

☐ Decommission *ORIGINAL INSTALLATION Notice of Intent Number* _____

CURRENT
Notice of Intent No. W189557

Unique Ecology Well ID Tag No. AKR121

Water Right Permit No. N/A

Property Owner Name ESTATE OF JAMES E. HAWTHORN

Well Street Address 4705 NEW SWEDEN AVENUE NE

City BAINBRIDGE ISLAND County KITSAP

Location NE 1/4-1/4 NW 1/4 Sec 2 Twn 24 R 2E EWM or WWM ☑ circle one

Lat/Long (s, t, r Still **REQUIRED**) Lat Deg _____ Lat Min/Sec _____ Long Deg _____ Long Min/Sec _____

Tax Parcel No. 4185-003-003-0000

PROPOSED USE: ☑ Domestic ☐ Industrial ☐ Municipal ☐ DeWater ☐ Irrigation ☐ Test Well ☐ Other _____

TYPE OF WORK: Owner's number of well (if more than one) _____

☑ New well ☐ Reconditioned ☐ Deepened *Method:* ☐ Dug ☐ Bored ☐ Driven ☑ Cable ☐ Rotary ☐ Jetted

DIMENSIONS: Diameter of well 6 inches, drilled 402 ft.
Depth of completed well 402 ft.

CONSTRUCTION DETAILS

Casing Installed: ☑ Welded 6 " Diam. from +1 ft to 397'6" ft.
☐ Liner installed _____ " Diam. from _____ ft. to _____ ft.
☐ Threaded _____ " Diam from _____ ft. to _____ ft.

Perforations: ☐ Yes ☑ No
Type of perforator used _____
SIZE of perfs _____ in. by _____ in. and no. of perfs _____ from _____ ft. to _____ ft

Screens: ☑ Yes ☐ No ☑ K-Pac Location TOP
Manufacturer's Name WESCO
Type STAINLESS STEEL Model No. TELESCOPING
Diam. 5 Slot size 8 from 397 ft. to 402 ft.
Diam. _____ Slot size _____ from _____ ft. to _____ ft.

Gravel/Filter packed: ☐ Yes ☑ No ☐ Size of gravel/sand _____
Materials placed from _____ ft. to _____ ft.

Surface Seal: ☑ Yes ☐ No To what depth? 18 ft.
Material used in seal BENTONITE
Did any strata contain unusable water? ☐ Yes ☑ No
Type of water? _____ Depth of strata _____
Method of sealing strata off _____

PUMP: Manufacturer's Name GOULDS
Type: SUBMERSIBLE 05GS07 H.P. 3/4

WATER LEVELS: Land-surface elevation above mean sea level _____ ft.
Static level 86.1 ft. below top of well Date 6/29/05
Artesian pressure _____ lbs. per square inch Date _____
Artesian water is controlled by _____ (cap, valve, etc.)

WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? ☑ Yes ☐ No If yes, by whom? GRESHAM
Yield: 3 gal./min. with 271.3 ft. drawdown after 4 hrs.
Yield: _____ gal./min. with _____ ft. drawdown after _____ hrs.
Yield: _____ gal./min. with _____ ft. drawdown after _____ hrs.

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level
FUL	RECOV	192	MIN.		

Date of test 6/29/05
Bailer test _____ gal /min. with _____ ft. drawdown after _____ hrs.
Airtest _____ gal./min. with stem set at _____ ft. for _____ hrs.
Artesian flow _____ g.p.m. Date _____
Temperature of water _____ Was a chemical analysis made? ☑ Yes ☐ No

CONSTRUCTION OR DECOMMISSION PROCEDURE

Formation: Describe by color, character, size of material and structure, and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of information. (USE ADDITIONAL SHEETS IF NECESSARY.)

MATERIAL	FROM	TO
OVERBURDEN	0	1
BROWN SANDY CLAY	1	9
GRAY SANDY CLAY	9	13
GRAY STICKY CLAY	13	148
GRAY SANDY CLAY	148	160
GRAY STICKY CLAY	160	192
GRAY SANDY CLAY	192	299
GRAY SANDY SILTY CLAY W/GRAVEL	299	315
GRAY SANDY CLAY	315	397
GRAY SANDY SILT	397	399
GRAY SAND, CLAY, H20 LOW	399	402

RECEIVED
SEP 19 2005
DEPT OF ECOLOGY

Start Date 6/06/05 Completed Date 6/15/05

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

☒ Driller ☐ Engineer ☐ Trainee Name (Print) CRAIG A. GRESHAM

Driller/Engineer/Trainee Signature _____

Driller or trainee License No. 0761

Drilling Company GRESHAM WELL DRILLING INC

Address P.O. BOX 1600

City, State, Zip POULSBO, WA 98370-0195

Contractor's Registration No. GRESHWD055BC Date 8/09/05

If TRAINEE,
Driller's Licensed No. _____
Driller's Signature _____

Ecology is an Equal Opportunity Employer.

ECY 050-1-20 (Rev 3/05) **The Department of Ecology does NOT warranty the Data and/or Information on this Well Report.**

Property of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

STATE OF WASHINGTON
DEPARTMENT OF CONSERVATION
DIVISION OF WATER RESOURCES

WELL LOG 27E3

Appli.: 8914

Record by Driller

Source Driller's Record

Location: State of WASHINGTON

County Kitsap

Area

Map

SW ¼ NW ¼ sec. 27 T. 25 N., R. 2 E. E. W.

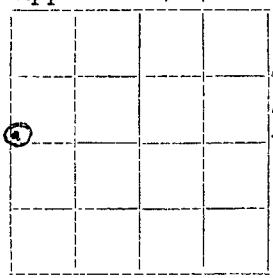


Diagram of Section

25/2E-27E
File number

Drilling Co. Gaudio Drilling

Address

Method of Drilling Bored Date July, 1967

Owner Town of Winslow

Address Winslow, Washington

Land surface, datum ft. above below

SWL: 20' Date 7-67, 19 Dims: 8" x 149'

CORRELATION	MATERIAL	From (feet)	To (feet)
	(Transcribe driller's terminology literally but paraphrase as necessary, in parentheses. If material water-bearing, so state and record static level if reported. Give depths in feet below land-surface datum unless otherwise indicated. Correlate with stratigraphic column, if feasible. Following log of materials, list all casings, perforations, screens, etc.)		
	Municipal		
	Sand, fine	0	16
	Sand, some gravel	16	53
	Clay, silt, sand streak	53	118
	(varved)		
	Sand, clean, fine-med., clay		
	seams, pumice, wood flecks	118	149
	(Formation not bottomed)		
	Originally drilled with hollow flight auger		
	then cased with cable tool rig		
	Casing: 8" from 0' to 84'		
	6" from +1.5' to 150.5'		
	Screens: from 122.5' to 137.5'		
	Sealed: Cement sealed to 10+'		
	Yield: 400 gpm with 20'DD after		hrs.
	(estimated)		

Turn up

Sheet . . of . . . . sheets

WELL LOG.—Continued No...../.....-.....

CORRELATION	MATERIAL	From (feet)	To (feet)
	Depth forward	———	
	Pump: Presently using free flow.		
	Artesian pressure 8# per sq. in.		
	Temp.: 51°		

S. F. No. 7449—OS—12-65.

of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

25/02-27E

File Original and First Copy with Department of Ecology
Second Copy—Owner's Copy
Third Copy—Driller's Copy

WATER WELL REPORT

STATE OF WASHINGTON

Start Card No _____

Water Right Permit No. _____

(1) **OWNER:** Name City of Winslow Address 625 Winslow Way E., Winslow, 98110

(2) **LOCATION OF WELL:** County Kitsap SW ¼ NW ¼ Sec 27 T. 25 N., R. 2E W.M.

(2a) **STREET ADDDRESS OF WELL** (or nearest address) N.E. Wyatt Ave. & Bucklin Hill Road

(3) **PROPOSED USE:** ☐ Domestic ☐ Irrigation ☐ DeWater ☐ Industrial ☐ Test Well ☒ Municipal ☐ Other

(4) **TYPE OF WORK:** Owner's number of well (if more than one) _____
Abandoned ☐ New well ☒ Deepened ☐ Reconditioned ☐ Method: Dug ☐ Cable ☒ Rotary ☐ Bored ☐ Driven ☐ Jetted ☐

(5) **DIMENSIONS:** Diameter of well 8 inches. Drilled 144 feet. Depth of completed well 144 ft.

(6) **CONSTRUCTION DETAILS:**
Casing installed: 8 " Diam. from 0 ft. to 130 ft.
Welded ☒ Liner installed ☐ Threaded ☐ _____ " Diam. from _____ ft. to _____ ft.
Perforations: Yes ☐ No ☒
Type of perforator used _____
SIZE of perforations _____ in. by _____ in.
_____ perforations from _____ ft. to _____ ft.
_____ perforations from _____ ft. to _____ ft.
_____ perforations from _____ ft. to _____ ft.
Screens: Yes ☒ No ☐
Manufacturer's Name Johnson
Type stainless steel Model No. _____
Diam. 7 Slot size 12 from 122 ft. to 132 ft.
Diam. _____ Slot size _____ from _____ ft. to _____ ft.
Gravel packed: Yes ☐ No ☒ Size of gravel _____
Gravel placed from _____ ft. to _____ ft.
Surface seal: Yes ☒ No ☐ To what depth? 81 ft.
Material used in seal Cement & Bentonite
Did any strata contain unusable water? Yes ☐ No ☒
Type of water? _____ Depth of strata _____
Method of sealing strata off _____

(7) **PUMP:** Manufacturer's Name None
Type _____ H.P. _____

(8) **WATER LEVELS:** Land-surface elevation above mean sea level 15 ft.
Static level 0 ft. below top of well Date 2/4/88
Artesian pressure 11.5 lbs. per square inch Date 2/4/88
Artesian water is controlled by cap (Cap, valve, etc.)

(9) **WELL TESTS:** Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☒ No ☐ If yes, by whom? Driller
Yield 150 gal./min. with 79.9' ft. drawdown after 4 hrs.
" " " "
" " " "
Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level
45 sec.	40'				
2 min.	flowing				

Date of test 2/4/88
Bailer test _____ gal./min. with _____ ft. drawdown after _____ hrs.
Airtest _____ gal./min. with stem set at _____ ft. for _____ hrs.
Artesian flow _____ g.p.m. Date _____
Temperature of water 50 Was a chemical analysis made? Yes ☐ No ☒

(10) **WELL LOG or ABANDONMENT PROCEDURE DESCRIPTION**

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of information.

MATERIAL	FROM	TO
Brown silty sand	0	6
Peat & silt	6	8
Brown gravelly sand	8	15
Brown sand & gravel	15	25
Blue to brown sandy siltw/gravel	25	44
Sandy silt	44	46
Fine silty gravelly sand H20	46	78
Gray silty clay	78	112
Silty clay w/sand layers	112	115
Very silty fine sand	115	118
Sandy silt	118	120
Fine to very fine silty to slightly silty pumaceous sand - H20	120	137
Very fine silty sand	137	141
Silty clay	141	144

Work started 1/18/88, 19. Completed 2/4/88, 19

WELL CONSTRUCTOR CERTIFICATION:

I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

NAME Gresham Well Drilling (PERSON, FIRM, OR CORPORATION) (TYPE OR PRINT)

Address 3105 N.W. Lakeness Rd., Poulsbo 98370

(Signed) _____ (WELL DRILLER) License No. 0761

Contractor's Registration No. GRESHWD206NP Date 3/7/88, 19

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050 1-20 (10/87) 1329- 3

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

25/2-27/E

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT
STATE OF WASHINGTON

Application No.
Permit No 61-24349

(1) OWNER: Name CITY OF WINSLOW Address

(2) LOCATION OF WELL: County KITSAP SW ¼ NW ¼ Sec. 27 T 25 N., R. 2E W.M.

Bearing and distance from section or subdivision corner

(3) PROPOSED USE: Domestic ☐ Industrial ☐ Municipal ☒
Irrigation ☐ Test Well ☐ Other ☐

(4) TYPE OF WORK: Owner's number of well (if more than one) BAYHEAD 4
New well ☒ Method: Dug ☐ Bored ☐
Deepened ☐ Cable ☒ Driven ☐
Reconditioned ☐ Rotary ☐ Jetted ☐

(5) DIMENSIONS: Diameter of well 8 inches.
Drilled 152 ft. Depth of completed well 136 ft.

(6) CONSTRUCTION DETAILS:

Casing installed: 8 " Diam. from +2 ft. to 124.3 ft.
Threaded ☐ " Diam. from ft. to ft.
Welded ☐ " Diam. from ft. to ft.

Perforations: Yes ☐ No ☒
Type of perforator used
SIZE of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

Screens: Yes ☒ No ☐ JOHNSON
Manufacturer's Name
Type V-Slot S.S. Model No.
Diam 8 TELE Slot size 12 from 122.5 ft. to 132.5 ft.
Diam. Slot size from ft. to ft.

Gravel packed: Yes ☐ No ☒ Size of gravel
Gravel placed from ft. to ft.

Surface seal: Yes ☒ No ☐ To what depth? 20 ft.
Material used in seal CEMENT GROUT/BENTONITE
Did any strata contain unusable water? Yes ☐ No ☒
Type of water? Depth of strata
Method of sealing strata off

(7) PUMP: Manufacturer's Name
Type: H.P.

(8) WATER LEVELS: Land-surface elevation above mean sea level ft.
Static level ≈ +20 ft. below top of well Date 5/16/83
Artesian pressure lbs. per square inch Date
Artesian water is controlled by (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level (R+N INC.)
Was a pump test made? Yes ☒ No ☐ If yes, by whom? BY WINSLOW
Yield: 138 gal./min. with 104.7 ft. drawdown after 4 hrs.
" " " "
" " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level
2.5 min	FLOW				

Date of test 5/16/83
Baller test gal./min. with ft. drawdown after hrs.
Artesian flow ≈ +20 g.p.m. Date
Temperature of water Was a chemical analysis made? Yes ☒ No ☐

(10) WELL LOG:

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL	FROM	TO
FILL	0	4
BROWN SILT W/PEAT	4	8
BROWN SILTY SAND	8	14
GRAY BROWN CLAYEY SAND AND GRAVEL, POORLY SORTED	14	32
GRAY TO GRAY BROWN, SILTY SAND AND GRAVEL	32	62
GRAY SILT AND CLAY, GRAVEL ADMIXTURE LENSES OF S+G, CLAYEY SAND	62	122
GRAY, SILTY SAND, FINE TO MEDIUM, W/PUMICE + PEAT	122	132
BROWN SILT	132	140
BROWN AND GRAY SILT	140	152

PREPARED BY:
ROBINSON + NOBLE, INC.
Rex Reals
GEOLOGIST

Work started 5/5 19 83 Completed 5/16 19 83

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME ARMSTRONG DRILLING, INC.
(Person, firm, or corporation) (Type or print)

Address 1015 66 Ave E. Puy. Wn. 98373

[Signed] (Well Driller)

License No. 0012 Date 6-20, 1983

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

25/2-27/E

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT
STATE OF WASHINGTON

Application No
Permit No 61-24349

(1) OWNER: Name CITY OF WINSLOW Address

(2) LOCATION OF WELL: County KITSAP — SW¼ NW¼ Sec. 27 T. 25 N., R. 2E W.M.
Bearing and distance from section or subdivision corner

(3) PROPOSED USE: Domestic ☐ Industrial ☐ Municipal ☒
Irrigation ☐ Test Well ☐ Other ☐

(4) TYPE OF WORK: Owner's number of well (if more than one) BAYHEAD 5
New well ☒ Method: Dug ☐ Bored ☐
Deepened ☐ Cable ☒ Driven ☐
Reconditioned ☐ Rotary ☐ Jetted ☐

(5) DIMENSIONS: Diameter of well 8 inches.
Drilled 153 ft. Depth of completed well 138.4 ft.

(6) CONSTRUCTION DETAILS:
Casing installed: 8 " Diam. from +2.5 ft. to 128.5 ft.
Threaded ☐ " Diam. from ft. to ft.
Welded ☐ " Diam. from ft. to ft.

Perforations: Yes ☐ No ☒
Type of perforator used
SIZE of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

Screens: Yes ☒ No ☐
Manufacturer's Name JOHNSON
Type V-slot SS Model No.
Diam 8 TELE Slot size 12 from 125 ft. to 135 ft.
Diam. Slot size from ft. to ft.

Gravel packed: Yes ☐ No ☒ Size of gravel
Gravel placed from ft. to ft.

Surface seal: Yes ☒ No ☐ To what depth? 35 ft.
Material used in seal CEMENT GROUT/BENTONITE
Did any strata contain unusable water? Yes ☐ No ☒
Type of water? Depth of strata
Method of sealing strata off

(7) PUMP: Manufacturer's Name
Type: H.P.

(8) WATER LEVELS: Land-surface elevation above mean sea level ft.
Static level ≈+20 ft below top of well Date 5/26/83
Artesian pressure lbs. per square inch Date
Artesian water is controlled by (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level R+N for WINSLOW
Was a pump test made? Yes ☒ No ☐ If yes, by whom?
Yield: 96 gal/min with 73.2 ft. drawdown after 4 hrs.

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level
2.5 min	FLOW				

Date of test 5/26/83
Bailer test gal/min. with ft. drawdown after hrs.
Artesian flow ≈+20 g.p.m. Date
Temperature of water Was a chemical analysis made? Yes ☐ No ☐

(10) WELL LOG:
Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL	FROM	TO
TOPSOIL, PEAT	0	4
BROWN SAND + GRAVEL	4	13
BROWN, CLAYEY SAND AND GRAVEL, POORLY SORTED	13	18
BROWN, SILTY SAND, FINE TO MEDIUM, GRAVEL ADMIXTURE	18	52
GRAY, SILTY SAND, FINE, GRAVEL ADMIXTURE	52	71
GRAY SILT AND CLAY, MOSTLY MASSIVE, INTERLAYERED W/PEBBLY CLAY. CLAYEY SAND AT BOTTOM	71	121
GRAY SILTY SAND, FINE TO MEDIUM, W/PUMICE AND PEAT	121	138
GRAY AND BROWN SILT	138	153

PREPARED BY:
ROBINSON + NOBLE, INC.
Rex Reeb
GEOLOGIST

Work started 5/19, 19 83 Completed 5/26, 19 83

WELL DRILLER'S STATEMENT:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME ARMSTRONG DRILLING, INC.
(Person, firm, or corporation) (Type or print)
Address 10015 66 Ave E Puy. WA 98373
[Signed] (Well Driller)
License No. 0012 Date 7-20-, 1983

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

27/25-2E

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT
STATE OF WASHINGTON

Application No.
Permit No.

(1) **OWNER:** Name CITY OF WINSLOW Address CITY HALL, WINSLOW 98110

(2) **LOCATION OF WELL:** County KITSAP SW¼ NW¼ Sec 27 T. 25 N., R. 2E W.M.

Bearing and distance from section or subdivision corner APPROX 2000' S AND 300' E OF NW COR SEC 27

(3) **PROPOSED USE:** Domestic ☐ Industrial ☐ Municipal ☒
Irrigation ☐ Test Well ☐ Other ☐

(4) **TYPE OF WORK:** Owner's number of well (if more than one) BAYHEAD 6
New well ☒ Method: Dug ☐ Bored ☐
Deepened ☐ Cable ☒ Driven ☐
Reconditioned ☐ Rotary ☐ Jetted ☐

(5) **DIMENSIONS:** Diameter of well 8 inches.
Drilled 158 ft. Depth of completed well 152 ft.

(6) **CONSTRUCTION DETAILS:**
Casing installed: 8 " Diam. from +2 ft. to 136.8 ft.
Threaded ☐ " Diam. from ft. to ft.
Welded ☒ " Diam. from ft. to ft.

Perforations: Yes ☐ No ☒
Type of perforator used
SIZE of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

Screens: Yes ☒ No ☐
Manufacturer's Name JOHNSON
Type WATERMARK S.S. Model No.
Diam. 8" T.S Slot size .12 from 135.5 ft. to 146 ft.
Diam. Slot size from ft. to ft.

Gravel packed: Yes ☐ No ☒ Size of gravel:
Gravel placed from ft. to ft.

Surface seal: Yes ☒ No ☐ To what depth? 60 ft.
Material used in seal CEMENT/BENTONITE GROUT
Did any strata contain unusable water? Yes ☐ No ☐
Type of water? Depth of strata.
Method of sealing strata off

(7) **PUMP:** Manufacturer's Name N.A.
Type: H.P.

(8) **WATER LEVELS:** Land-surface elevation above mean sea level APPROX. 60 ft.
Static level FLOWING ft. below top of well Date 10/8/85
Artesian pressure APPROX. 9 lbs. per square inch Date 10/8/85
Artesian water is controlled by (Cap, valve, etc.)

(9) **WELL TESTS:** Drawdown is amount water level is lowered below static level ROBINSON & NOBLE
Was a pump test made? Yes ☐ No ☐ If yes, by whom?
Yield: 110 gal./min. with 97.5 ft. drawdown after 8 hrs.
" " INCLUDES 20' ARTESIAN HEAD. "
" " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level
0	77.5	3	6.6		
1	28.7	4	1.1		
2	16.2	4.6	0, FLOWING AT STICK-UP = 2.0		

Date of test 10/8/85
Bailer test gal./min. with ft. drawdown after hrs.
Artesian flow g.p.m. Date
Temperature of water Was a chemical analysis made? Yes ☒ No ☐

(10) **WELL LOG:**
Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL	FROM	TO
BROWN SAND AND GRAVEL	0	12
GRAY SAND, GRAVEL, AND SILT	12	20
BROWN SAND AND GRAVEL WITH SILT LAYERS	20	53
GRAY GRAVELLY SILT	53	90
GRAY SILT AND CLAYEY SILT	90	135
DARK FINE TO MEDIUM SAND, PUMACEOUS	135	153
GRAY SILT	153	158

PREPARED BY:
ROBINSON & NOBLE, INC.

Work started 8/5 19 85 Completed 10/15 19 85

WELL DRILLER'S STATEMENT:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME ARMSTRONG & CHARON, INC.
(Person, firm, or corporation) (Type or print)
Address 10715 66th AVE. EAST
[Signed] Dave Charon (Well Driller)
License No. 1190 Date NOV. 11, 19 85

(USE ADDITIONAL SHEETS IF NECESSARY)
ORIGINAL SIGNED BY DRILLER

ECY 050-1-20

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

24/12-43

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT
STATE OF WASHINGTON

Application No.
Permit No.

(1) OWNER: Name BILL LAMPIERE Address 8451 SPRING RIDGE RD. BAINB. IS. 98110

(2) LOCATION OF WELL: County KITSAP SE ¼ SW ¼ NE ¼ Sec. 4 T. 25 N., R. 2E W.M.

Bearing and distance from section or subdivision corner

(3) PROPOSED USE: Domestic ☒ Industrial ☐ Municipal ☐ Irrigation ☐ Test Well ☐ Other ☐

(4) TYPE OF WORK: Owner's number of well (if more than one)
New well ☒ Method: Dug ☐ Bored ☐
Deepened ☐ Cable ☒ Driven ☐
Reconditioned ☐ Rotary ☐ Jetted ☐

(5) DIMENSIONS: Diameter of well 6 inches.
Drilled 55 ft. Depth of completed well 55 ft.

(6) CONSTRUCTION DETAILS:

Casing installed: " Diam. from ft. to ft.
Threaded ☐ " Diam. from ft. to ft.
Welded ☒ 6" Diam. from 0 ft. to 51 ft.

Perforations: Yes ☐ No ☒
Type of perforator used
SIZE of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

Screens: Yes ☒ No ☐
Manufacturer's Name CODA
Type S S Model No.
Diam 5 Slot size 10 from 51 ft. to 55 ft.
Diam. Slot size from ft. to ft.

Gravel packed: Yes ☐ No ☒ Size of gravel
Gravel placed from ft. to ft.

Surface seal: Yes ☒ No ☐ To what depth? 18 ft.
Material used in seal CONCRETE
Did any strata contain unusable water? Yes ☐ No ☒
Type of water? Depth of strata
Method of sealing strata off

(7) PUMP: Manufacturer's Name WATTERA
Type: SUBMERSIBLE H.P. ½

(8) WATER LEVELS: Land-surface elevation above mean sea level ft.
Static level 27 ft. below top of well Date 2-29-54
Artesian pressure lbs. per square inch Date
Artesian water is controlled by (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☒ No ☐ If yes, by whom? DRILLER
Yield: 18 gal./min. with 11 ft. drawdown after 4 hrs.
" " " "
" " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test
Bailer test 15 gal./min. with 10 ft. drawdown after 4 hrs.
Artesian flow g.p.m. Date 2-29-54
Temperature of water Was a chemical analysis made? Yes ☐ No ☒

(10) WELL LOG:

Formation: *Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.*

MATERIAL	FROM	TO
H-P BROWN HARD	0	31
CLAY SAND BR.	31	33
H-P BROWN HARD	33	46
SAND & GRAVEL (WATER)	46	55

Work started 2-24 19 54 Completed 2-29 19 54

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME McCOY DRILLING & PUMP EQUIPMENT CO. (Type or print)
(Person, firm, or corporation)
Address 5070 N.E. SPARGUR LOOP RD. BAINBRIDGE IS., WA. 98110

[Signed] (Well Driller)

License No. 0120 Date 2-29 19 54

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20

File Original and First Copy with Department of Ecology
Second Copy - Owner's Copy
Third Copy - Driller's copy

125456

WATER WELL REPORT

STATE OF WASHINGTON

Notice of Intent W157781
UNIQUE WELL I.D. # AGE125
Water Right Permit No. N/A 24-2E-7F

(1) OWNER: Name MARK AND JENNIFER HIGHTOWER Address 988 MELIA LANE NE, BREMERTON, WA 98311

(2) LOCATION OF WELL: County KITSAP - SE 1/4 NW 1/4 Sec 7 T 24 N,R 2E WM.

(2a) STREET ADDRESS OF WELL (or nearest address)

TAX PARCEL NO. 072402-3-095-2009

(3) PROPOSED USE: [X] Domestic [ ] Industrial [ ] Municipal [ ] Irrigation [ ] Test Well [ ] Other [ ] DeWater

(4) TYPE OF WORK: Owner's number of well (If more than one)
[X] New Well Method: [ ] Deepened [ ] Dug [ ] Bored [ ] Reconditioned [ ] Cable [ ] Driven [ ] Decommission [X] Rotary [ ] Jetted

(5) DIMENSIONS: Diameter of well SIX inches
Drilled 400 feet Depth of completed well 400 ft.

(6) CONSTRUCTION DETAILS:
Casing Installed:
[X] Welded 6 " Diam from +1.5 ft to 395 ft
[ ] Liner installed " Diam from ft to ft.
[ ] Threaded " Diam from ft to ft

Perforations: [ ] Yes [X] No
Type of perforator used
SIZE of perforations in by in
perforations from ft to ft
perforations from ft to ft
perforations from ft to ft

Screens: [X] Yes [ ] No [X] K-Pac Location 392
Manufacturer's Name JOHNSON
Type STAINLESS STEEL Model No TEL
Diam 5 Slot size BLANK from 392.5 ft to 395 ft.
Diam 6 Slot size 18 from 395 ft. to 400 ft.

Gravel/Filter packed: [ ] Yes [X] No [ ] Size of gravel/sand
Material placed from ft. to ft

Surface seal: [X] Yes [ ] No To what depth? 18 ft
Material used in seal BENTONITE
Did any strata contain unusable water? [ ] Yes [X] No
Type of water? Depth of strata
Method of sealing strata off

(7) PUMP: Manufacturer's Name GOULDS
Type SUB H P 1.5

(8) WATER LEVELS: Land-surface elevation above mean sea level ft
Static level 197 ft below top of well Date 3/15/2002
Artesian pressure lbs per square inch Date
Artesian water is controlled by (Cap, valve, etc)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? [X] Yes [ ] No If yes, by whom? TDDC
Yield 15.5 gal/min with 27 ft drawdown after .25 hrs
Yield 15.5 gal/min with 32.6 ft drawdown after 1 hrs
Yield 15.5 gal/min with 34 ft drawdown after 2 hrs

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level
5MIN	203.5	10MIN	198.2	15MIN	197.3
20MIN	197				

Date of test 3/15/2002
Bailer test 10 gal./min with 20 ft drawdown after 1 hrs
Airtest gal/min with stem set at ft for hrs
Artesian flow g p m Date 3/15/2002
Temperature of water Was a chemical analyses made? [X] Yes [ ] No

(10) WELL LOG or DECOMMISSIONING PROCEDURE DESCRIPTION:
Formation Describe by color, character, size of material and structure, and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of information. Indicate all water encountered

MATERIAL	FROM	TO
BROWN SAND	0	3
BOULDER	3	6
BROWN SAND AND CLAY	6	18
BROWN CLAY AND SAND	18	70
GREY CLAY	70	165
GREEN CLAY	165	180
BROWN CLAY	180	230
GREY CLAY	230	265
GREY SAND AND SILTS	265	275
SEAMS OF GREY CLAY AND SILTS	275	350
GREY CLAY	350	385
FINE BROWN SAND	385	390
FINE TO COURSE BROWN SAND	390	394
COURSE SAND AND GRAVEL BROWN W/B	394	400

RECEIVED
DEC 09 2002
DEPT OF ECOLOGY

Work Started 3/8/2002 , 19 Completed 3/15/2002 , 19

WELL CONSTRUCTION CERTIFICATION:
I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

Type or Print Name NICHOLAS J. ERNST License No 2147
(Licensed Driller/Engineer)
Trainee Name License No
Drilling Company TOP DOG DRILLING CO.
(Signed) Nicholas J. Ernst License No 2147
(Licensed Driller/Engineer)
Address PO BOX 2227 BELFAIR, WA. 98528
Contractor's Registration No TOPDODCO54RA Date 3/16/02 , 19

(USE ADDITIONAL SHEETS IF NECESSARY)

Ecology is an Equal Opportunity and Affirmative Action employer. For special accommodation needs, contact the Water Resources Program at (360) 407-6600 The TDD number is (360) 407-6006.

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

26/02-33B

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT
STATE OF WASHINGTON

Application No. .....
Permit No. .....

(1) OWNER: Name HARRY KIDDER Address 7371 NE DOLPHIN LANE/BAINBRIDGE,

(2) LOCATION OF WELL: County KITSAP — NW¼ NE¼ Sec. 33 T. 26 N., R. 02E W.M.

Bearing and distance from section or subdivision corner

(3) PROPOSED USE: Domestic [X] Industrial [ ] Municipal [ ]
Irrigation [ ] Test Well [ ] Other [ ]

(4) TYPE OF WORK: Owner's number of well (if more than one) .....
New well [X] Method: Dug [ ] Bored [ ]
Deepened [ ] Cable [X] Driven [ ]
Reconditioned [ ] Rotary [ ] Jetted [ ]

(5) DIMENSIONS: Diameter of well 6 inches.
Drilled 303 ft. Depth of completed well 303 ft.

(6) CONSTRUCTION DETAILS:

Casing installed: 6 " Diam. from 0 ft. to 299 ft.
Threaded [ ] " Diam. from ... ft. to ... ft.
Welded [X] " Diam. from ... ft. to ... ft.

Perforations: Yes [ ] No [X]
Type of perforator used .....
SIZE of perforations ... in. by ... in.
... perforations from ... ft. to ... ft.
... perforations from ... ft. to ... ft.
... perforations from ... ft. to ... ft.

Screens: Yes [X] No [ ] Manufacturer's Name JOHNSON
Type SS TELESLOTTING Model No. ...
Diam. 6 Slot size 10 from 299 ft. to 303 ft.
Diam. ... Slot size ... from ... ft. to ... ft.

Gravel packed: Yes [ ] No [X] Size of gravel: ...
Gravel placed from ... ft. to ... ft.

Surface seal: Yes [X] No [ ] To what depth? 18 ft.
Material used in seal BENTONITE
Did any strata contain unusable water? Yes [ ] No [X]
Type of water? ... Depth of strata ...
Method of sealing strata off ...

(7) PUMP: Manufacturer's Name FLINT & WALLING
Type: ¾ SUBMERSIBLE H.P. 1

(8) WATER LEVELS: Land-surface elevation above mean sea level .... ft.
Static level 201 ft. below top of well Date 3/12/79
Artesian pressure ... lbs. per square inch Date ...
Artesian water is controlled by ... (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes [X] No [ ] If yes, by whom? BDJ.
Yield: 16 gal./min. with 14 ft. drawdown after 2 hrs.
" " " "
" " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level
0	213	5MIN	205	[illegible]MIN	201

Date of test ...
Bailer test 12 gal./min. with 14 ft. drawdown after 3 hrs.
Artesian flow ... g.p.m. Date 3/12/79
Temperature of water ... Was a chemical analysis made? Yes [ ] No [X]

(10) WELL LOG:

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL	FROM	TO
HARDPAN	0	6
SAND	6	40
BLUE CLAY	40	160
SANDY BLUE CLAY	160	220
BLUE CLAY	220	283
SILTY SAND	283	295
SAND (WATER BEARING)	295	303

Work started 2/14, 19 79 Completed 3/12, 19 79

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME BACH DRILLING INC.
(Person, firm, or corporation) (Type or print)
Address BOX 10452 BAINBRIDGE ISL.

[Signed] Dan T Ellis
(Well Driller)

License No. 126 Date 3/13, 19 79

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

26/02-33B

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT

STATE OF WASHINGTON

Application No. .....

Permit No. .....

(1) OWNER: Name HARRY KIDDER Address 7571 NE DOLPHIN LANE/BAINBRIDGE

(2) LOCATION OF WELL: County KITSAP NW¼ NE¼ Sec. 33 T. 26 N., R. 02E W.M.

Bearing and distance from section or subdivision corner

(3) PROPOSED USE: Domestic [X] Industrial [ ] Municipal [ ] Irrigation [ ] Test Well [ ] Other [ ]

(4) TYPE OF WORK: Owner's number of well (if more than one) .....
New well [X] Method: Dug [ ] Bored [ ]
Deepened [ ] Cable [X] Driven [ ]
Reconditioned [ ] Rotary [ ] Jetted [ ]

(5) DIMENSIONS: Diameter of well 6 inches.
Drilled 303 ft. Depth of completed well 303 ft.

(6) CONSTRUCTION DETAILS:
Casing installed: 6" Diam. from 0 ft. to 299 ft.
Threaded [ ] ." Diam. from ft. to ft.
Welded [X] ." Diam. from ft. to ft.

Perforations: Yes [ ] No [X]
Type of perforator used .....
SIZE of perforations ..... in. by ..... in.
..... perforations from ..... ft. to ..... ft.
..... perforations from ..... ft. to ..... ft.
..... perforations from ..... ft. to ..... ft.

Screens: Yes [X] No [ ] Manufacturer's Name JOHNSON
Type SS TELESCOPING Model No. .....
Diam. 6 Slot size 10 from 279 ft. to 303 ft.
Diam. ..... Slot size ..... from ..... ft. to ..... ft.

Gravel packed: Yes [ ] No [X] Size of gravel: .....
Gravel placed from ..... ft. to ..... ft.

Surface seal: Yes [X] No [ ] To what depth? 18 ft.
Material used in seal BENTONITE
Did any strata contain unusable water? Yes [ ] No [X]
Type of water? ..... Depth of strata .....
Method of sealing strata off .....

(7) PUMP: Manufacturer's Name FLINT & WALLING
Type: 4" SUBMERSIBLE H.P. 1

(8) WATER LEVELS: Land-surface elevation above mean sea level ..... ft.
Static level 201 ft. below top of well Date 3/12/79
Artesian pressure ..... lbs. per square inch Date .....
Artesian water is controlled by ..... (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes [X] No [ ] If yes, by whom? B.D.I.
Yield: 16 gal./min. with 14 ft. drawdown after 2 hrs.
" " " "
" " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Water Level	Time	Water Level	Time	Water Level
215	5MIN	205	10MIN	201

Date of test .....
Bailer test 12 gal./min. with 14 ft. drawdown after 3 hrs.
Artesian flow ..... g.p.m. Date 3/12/79
Temperature of water ..... Was a chemical analysis made? Yes [ ] No [X]

(10) WELL LOG:

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL	FROM	TO
HARDPAN	0	6
SAND	6	40
BLUE CLAY	40	160
SANDY BLUE CLAY	160	220
BLUE CLAY	220	283
SILTY SAND	283	295
SAND (WATER BEARING)	295	303

Work started 2/14 19 79 Completed 3/12 19 79

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME BACH DRILLING INC.
(Person, firm, or corporation) (Type or print)

Address BOX 10452 BAINBRIDGE ISL.

[Signed] Dwb T Ellis
(Well Driller)

License No. 126 Date 3/13 19 79

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

WATER WELL REPORT

STATE OF WASHINGTON

343983

Start Card No. W053473
Unique Well I.D. #
Water Right Permit No.

(1) OWNER: Name MCNEILL, HOLLY Address 5185 EAGLE HARBOR DRIVE BAINBRIDGE IS., WA 98110-

(2) LOCATION OF WELL: County KITSAP - NE 1/4 SE 1/4 Sec 34 T 25 N., R 2E WM
(2a) STREET ADDRESS OF WELL (or nearest address) 5185 EAGLE HARBOR DRIVE, BAINBRIDGE IS. 25-2E-34 J

(3) PROPOSED USE: DOMESTIC

(4) TYPE OF WORK: Owner's Number of well (If more than one) 1
NEW WELL Method: ROTARY

(5) DIMENSIONS: Diameter of well 6 inches
Drilled 340 ft. Depth of completed well 339 ft.

(6) CONSTRUCTION DETAILS:
Casing installed: 6 " Dia. from 0 ft. to 330 ft.
WELDED " Dia. from ft. to ft.
" Dia. from ft. to ft.

Perforations: NO
Type of perforator used
SIZE of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

Screens: YES
Manufacturer's Name HOUSTON
Type STAINLESS Model No.
Diam. 5 slot size 8 from 329 ft. to 334 ft.
Diam. 5 slot size 10 from 334 ft. to 339 ft.

Gravel packed: NO Size of gravel
Gravel placed from ft. to ft.

Surface seal: YES To what depth? 18 ft.
Material used in seal BENTONITE
Did any strata contain unusable water? NO
Type of water? Depth of strata ft.
Method of sealing strata off

(7) PUMP: Manufacturer's Name STA-RITE
Type SUBMERSIBLE H.P. 1 1/2

(8) WATER LEVELS: Land-surface elevation above mean sea level ... ft.
Static level 135 ft. below top of well Date 02/13/97
Artesian Pressure lbs. per square inch Date
Artesian water controlled by

(9) WELL TESTS: Drawdown is amount water level is lowered below static level.
Was a pump test made? NO If yes, by whom?
Yield: gal./min with ft. drawdown after hrs.

Recovery data

Time	Water Level	Time	Water Level	Time	Water Level

Date of test / /
Bailer test 5 gal/min. 165 ft. drawdown after .35 hrs.
Air test 10+ gal/min. w/ stem set at 330 ft. for .25 hrs.
Artesian flow g.p.m. Date
Temperature of water Was a chemical analysis made? NO

(10) WELL LOG

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change in formation.

MATERIAL	FROM	TO
BROWN CLAY	0	12
GREY CLAY	12	27
BROWN CLAY PEAT	27	35
BROWN SILTY SAND ROCK	35	48
DARK BROWN CLAY PEAT	48	50
BROWN CLAY	50	80
DARK BROWN CLAY	80	82
BROWN CLAY	82	91
GREY CLAY	91	155
BROWN CLAY	155	157
BROWN DIRTY GRAVEL	157	165
GREY SILTY CLAY	165	176
DIRTY GRAVEL	176	180
BROWN GREY CLAY	180	274
GREY CLAY	274	293
GREY BROWN CLAY	293	300
GREY BROWN SILT	300	311.5
GREY BROWN SILT FINE SAND	311.5	313
GREY SILTY SAND BROWN CLAY	313	314.5
BROWN SILT FINE SAND	314.5	320
DIRTY BROWN SAND SHALE & CLAY	320	338
WATER	320	338
DIRTY GREY SILTY SAND	338	339
	339	

RECEIVED FEB 24 1997 DEPT. OF ECOLOGY

RECEIVED FEB 21 1997 DEPT. OF ECOLOGY

Work started 02/04/97 Completed 02/12/97

WELL CONSTRUCTOR CERTIFICATION:
I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

NAME DUCKWORTH PUMP & DRILLING
(Person, firm, or corporation) (Type or print)

ADDRESS 18365 DIAMOND DRIVE NE

[SIGNED] Donald D. Duckworth License No. 1148 1147

Contractor's Registration No. DUCKWPW148CJ Date 02/13/97

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT
STATE OF WASHINGTON

25/02-16Q
Application No.
Permit No.

(1) OWNER: Name Hedderly-Smith Address 9630 Mandus Olson Rd.

(2) LOCATION OF WELL: County Kitsap SW ¼ SE ¼ Sec. 16 T. 25 N., R. 02E W.M.

Bearing and distance from section or subdivision corner

(3) PROPOSED USE: Domestic X ☐ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

(4) TYPE OF WORK: Owner's number of well (if more than one)
New well X ☐ Method: Dug ☐ Bored ☐
Deepened ☐ Cable X ☐ Driven ☐
Reconditioned ☐ Rotary ☐ Jetted ☐

(5) DIMENSIONS: Diameter of well 6 inches.
Drilled 236 ft. Depth of completed well 236 ft.

(6) CONSTRUCTION DETAILS:

Casing installed: 6 " Diam. from 0 ft. to 232 ft.
Threaded ☐ " Diam. from ft. to ft.
Welded X ☐ " Diam. from ft. to ft.

Perforations: Yes ☐ No X ☐
Type of perforator used
SIZE of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

Screens: Yes X ☐ No ☐
Manufacturer's Name Johnson
Type SS Telescoping Model No.
Diam. 6 Slot size 12 from 232 ft. to 236 ft.
Diam. Slot size from ft. to ft.

Gravel packed: Yes ☐ No X ☐ Size of gravel:
Gravel placed from ft. to ft.

Surface seal: Yes X ☐ No ☐ To what depth? 18 ft.
Material used in seal Sodium Bentonite
Did any strata contain unusable water? Yes ☐ No X ☐
Type of water? Depth of strata
Method of sealing strata off

(7) PUMP: Manufacturer's Name Flint & Walling
Type: 4" Submersible H.P. 3/4

(8) WATER LEVELS: Land-surface elevation above mean sea level ft.
Static level 207 ft. below top of well Date 5/11/79
Artesian pressure lbs. per square inch Date
Artesian water is controlled by (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes X ☐ No ☐ If yes, by whom? Bach
Yield: 5 gal./min. with 10 ft. drawdown after 1 hrs.
" 12 " " 18 " " 2 " "
" " " " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test 5/11/79
Bailer test 5 gal./min. with 8 ft. drawdown after 2 hrs.
Artesian flow g.p.m. Date
Temperature of water Was a chemical analysis made? Yes ☐ No X ☐

(10) WELL LOG:

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL	FROM	TO
Top soil	0	1
Hardpan	1	10
Sand-brown	10	80
Clay-sandy-brown	80	118
Sand and gravel	118	133
Hardpan	133	146
Sand (water-bearing)	146	150
Hardpan	150	180
Clay-sandy-gray	180	186
Hardpan	186	216
Sand (water-bearing)	216	236

Work started 4/17 19 79 Completed 5/11 19 79

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME Bach Drilling Inc. (Person, firm, or corporation) (Type or print)
Address P.O. Box 10452, Bainbridge Isl.
[Signed] George Surnich (Well Driller)
License No. 599 Date 5/15 19 79

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

File Original and First Copy with Department of Ecology
Second Copy -- Owner's Copy
Third Copy -- Driller's Copy

WATER WELL REPORT
STATE OF WASHINGTON

25/02-34F
Application No

Permit No

(1) OWNER: Name PORT BLAKELY TREE FARMS Address 830 LOGAN BLDG SEATTLE 98101

(2) LOCATION OF WELL: County KITSAP SW-NW-SE ¼ NW ¼ Sec. 34 T. 25 N., R. 2 E W.M.

Bearing and distance from section or subdivision corner

(3) PROPOSED USE: Domestic ☐ Industrial ☐ Municipal ☐ Irrigation ☐ Test Well ☐ Other ☐

(4) TYPE OF WORK: Owner's number of well (if more than one) OLD MILL RD #1

New well ☒ Method: Dug ☐ Bored ☐ Deepened ☐ Cable ☐ Driven ☐ Reconditioned ☐ Rotary ☐ Jetted ☐

(5) DIMENSIONS: Diameter of well 8 & 6 inches. Drilled 1100 ft. Depth of completed well 958 ft.

(6) CONSTRUCTION DETAILS:

Casing installed: 8 " Diam. from 0 ft. to 300 ft.
Threaded ☐ 6 " Diam. from 0 ft. to 958 ft.
Welded ☐ " Diam. from ft. to ft.

Perforations: Yes ☒ No ☐
Type of perforator used TORCH SLOTS
SIZE of perforations 1/4 in. by 6 in.
perforations from 878 ft to 933 ft
perforations from ft. to ft.
perforations from ft to ft.

Screens: Yes ☐ No ☐
Manufacturer's Name
Type Model No
Diam Slot size from ft to ft.
Diam Slot size from ft. to ft.

Gravel packed: Yes ☐ No ☒ Size of gravel
Gravel placed from ft to ft

Surface seal: Yes ☒ No ☐ To what depth? ft.
Material used in seal
Did any strata contain unusable water? Yes ☐ No ☐
Type of water? Depth of strata
Method of sealing strata off

(7) PUMP: Manufacturer's Name
Type: H.P.

(8) WATER LEVELS: Land-surface elevation above mean sea level 130'± ft.
Static level 106.5 ft below top of well Date 4/21/88
Artesian pressure lbs per square inch Date
Artesian water is controlled by (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level AQUA FLOW
Was a pump test made? Yes ☒ No ☐ If yes, by whom? R&N
Yield 150 gal/min with 148 ft drawdown after 24 hrs.

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level
14 min	155.0				
100 min	130.5				
24 HR	111.0				

(T = 1320 gpd/ft)

Date of test
Bailer test gal/min with ft drawdown after hrs.
Artesian flow g p m Date
Temperature of water Was a chemical analysis made? Yes ☒ No ☐

(10) WELL LOG:

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL	FROM	TO
TILL	0	35
SILT, CLAY, SOME SAND	35	60
SANDY SILT (SOME WATER)	60	121
MEDIUM SAND, TRACE PUMICE (CONSTITUTES SHALLOW AQUIFER	121	131
GRAY-BRN SANDY SILT, ORGANIC	131	161
SILT w/WOOD & PUMICE	161	173
BRN SILT, SOME SAND	173	236
OLIVE CLAY	236	247
SAND, SILT, GRADING TO STICKY CLAY	247	450
(CHANGE FROM CABLE TO ROTARY AT 300)		
GRAY SILT, CLAY, SOME SAND	450	590
GRAY SILT w/CLAY, OCC PEBBLES	590	750
SILT, SOME SAND	750	852
SILTY GRAVEL	852	873
DENSE GRAVEL w/SILT	873	935
SILT & GRAVELLY SILT	935	1100

LOG PREPARED BY
ROBINSON & NOBLE, INC
GEOLOGISTS
J B Noble

UPPER 300' DRILLED BY BURT, NO COMPLETION OR TESTS MADE

BURT OELKE

Work started 9/21 19 87 Completed 3/24/1988 19 88

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME OELKE DRILLING, INC.
(Person, firm, or corporation) (Type or print)

Address 4312 166th AVE E, SUMNER 98390

[Signed] KEVIN MCKENNA
(Well Driller)

License No. 0837 Date 5/10 19 88

Contr. Reg. #OELKEDI136QC

(USE ADDITIONAL SHEETS IF NECESSARY)

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

...al and First Copy with ...ent of Ecology
...g Copy — Owner's Copy
...rd Copy — Driller's Copy

AAA109

WATER WELL REPORT
STATE OF WASHINGTON

Application No. 0317/84 - 34 E
Permit No.

(1) OWNER: Name PORT BLAKELY TREE FARMS Address 830 LOGAN BLDG SEATTLE 98101

(2) LOCATION OF WELL: County KITSAP SW-NW SE¼ NW¼ Sec 34 T 25 N., R 2 E W.M.
...g and distance from section or subdivision corner

(3) PROPOSED USE: Domestic ☐ Industrial ☐ Municipal ☐ Irrigation ☐ Test Well ☐ Other ☐

(4) TYPE OF WORK: Owner's number of well (if more than one) OLD MILL RD #1
New well ☒ Method: Dug ☐ Bored ☐ Deepened ☐ Cable ☐ Driven ☐ Reconditioned ☐ Rotary ☐ Jetted ☐

(5) DIMENSIONS: Diameter of well 8 & 6 inches. Drilled 1100 ft. Depth of completed well 958 ft.

(6) CONSTRUCTION DETAILS:
Casing installed: 8 " Diam. from 0 ft. to 300 ft.
Threaded ☐ 6 " Diam. from 0 ft. to 958 ft.
Welded ☐ " Diam. from ft. to ft.

Perforations: Yes ☒ No ☐
Type of perforator used TORCH SLOTS
SIZE of perforations 1/4 in. by 6 in.
678 perforations from ft. to 933 ft.
perforations from ft. to ft.
perforations from ft. to ft.

Screens: Yes ☐ No ☐
Manufacturer's Name
Type Model No
Diam. Slot size from ft. to ft.
Diam. Slot size from ft. to ft.

Gravel packed: Yes ☐ No ☒ Size of gravel:
Gravel placed from ft. to ft.

Surface seal: Yes ☒ No ☐ To what depth? ft.
Material used in seal
Did any strata contain unusable water? Yes ☐ No ☐
Type of water? Depth of strata:
Method of sealing strata off

(7) PUMP: Manufacturer's Name
Type: H.P.

(8) WATER LEVELS: Land-surface elevation above mean sea level 430' ft.
Static level 106.5 ft. below top of well Date 4/21/84
Artesian pressure lbs per square inch Date
Artesian water is controlled by (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level AIR/FLOW
Was a pump test made? Yes ☒ No ☐ If yes, by whom?
Yield 150 gal./min. with 148 ft. drawdown after 12H hrs.

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level
1 min	155.0				
100 min	130.5		(T = 1320 sec)		
T+2	111.0				

Bailer test gal./min. with ft. drawdown after hrs
Artesian flow g.p.m. Date
Temperature of water Was a chemical analysis made? Yes ☒ No ☐

(10) WELL LOG:
Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL	FROM	TO
TILL	0	35
SILT CLAY SOME SAND	35	60
SANDY SILT (SOME WATER)	60	121
MEDIUM SAND TRACE PUMICE (CONSTITUTES SHALLOW AQUIFER)	121	131
GRAY-BRN SANDY SILT, ORGANIC	131	161
SILT w/WOOD & PUMICE	161	173
BRN SILT, SOME SAND	173	236
OLIVE CLAY	236	247
SAND SILT GRADING TO STICKY CLAY (CHANGE FROM CABLE TO ROTARY AT 300)	247	450
GRAY SILT, CLAY, SOME SAND	450	590
GRAY SILT w/CLAY, OCC PEBBLES	590	750
SILT, SOME SAND	750	852
SILTY GRAVEL	852	873
DENSE GRAVEL w/SILT	873	935
SILT & GRAVELLY SILT	935	1100
LOG PREPARED BY ROBINSON & NOBLE, INC GEOLOGIST: (B York)		
UPPER 300' DRILLED BY BURT, NO COMPLETION OR TESTS MADE		
144 KPUD ALTIMETER AAA109		

BURT OELKE
Work started 9/21 19 84 Completed 3/21 19 84

WELL DRILLER'S STATEMENT:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

ORIGINAL SIGNED BY DRILLER
NAME (Person, firm, or corporation) (Type or print)
Address
(Signed) (Well Driller)
License No. Date 19

USE ADDITIONAL SHEETS IF NECESSARY.

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

WASHINGTON STATE DEPARTMENT OF ECOLOGY

ENTERED 5/6/97

ISLAND UTILITIES
WELL 1

X

UNIQUE WELL I.D. NUMBER AAA 109
X Y Z 1 2 3

AAN 34250220292008

WELL TAGGING FORM

Date of Field Visit 3/11/92 By JKL

RECORD VERIFICATION

☑ Well Report available *(please attach)* SO-1
☐ Well Report not available
☐ Verification inconclusive

WELL OWNERSHIP

Name Island Utility

Street address 500 Union; Suite 830

City Seattle State WA 98101

LOCATION OF WELL

Well Address

City Bainbridge Island County Kitsap

T. 25 N. R. 02E W.M. Sec. 34 FO3 ¼ SE ¼ NW

GPS Location: Latitude 47° 36' 58.10 ~~59~~" N
GOOGLE EARTH 8/16/11
Longitude 122° 32' 9.92 ~~06~~" W

Elevation 144' feet/meters *(circle one)*
LIDAR ≈ 140

☑ Digital Altimeter
☐ Topographic Map
☐ Other

If unable to verify location with GPS equipment:

☑ Location marked on topographic map *(please attach if available)*

☐ Location marked on air photo *(please attach if available)*

File Original and First copy with Department of Ecology
Second Copy--Owner's Copy
Third Copy--Driller's Copy

WATER WELL REPORT

STATE OF WASHINGTON

Start Card No 25/2E/34F

Water Right Permit No G1-25243P

(1) OWNER: Name ISLAND UTILITY CO Address 830 LOGAN BLDG SEATTLE 98101

(2) LOCATION OF WELL: County KITSAP SE ¼ NW ¼ Sec 34 T 25 N, R 2E W.M.

(2a) STREET ADDDRESS OF WELL (or nearest address) 116 Ft FROM WELL 1

(3) PROPOSED USE: [ ] Domestic [ ] Irrigation [ ] DeWater [ ] Industrial [ ] Test Well [X] Municipal [ ] Other

(4) TYPE OF WORK: Owner's number of well (if more than one) WELL 3
Abandoned [ ] New well [X] Deepened [ ] Reconditioned [ ] Method: Dug [ ] Cable [X] Rotary [X] Bored [ ] Driven [ ] Jetted [ ]

(5) DIMENSIONS: Diameter of well 8" at Top inches.
Drilled 1015 feet. Depth of completed well 1015 ft.

(6) CONSTRUCTION DETAILS: SEE ATTACHED
Casing installed: ____" Diam. from ____ ft. to ____ ft.
Welded [ ] Liner installed [ ] Threaded [ ] ____" Diam. from ____ ft. to ____ ft.
____" Diam. from ____ ft. to ____ ft.

Perforations: Yes [ ] No [X]
Type of perforator used ____
SIZE of perforations ____ in. by ____ in.
____ perforations from ____ ft. to ____ ft.
____ perforations from ____ ft. to ____ ft.
____ perforations from ____ ft. to ____ ft.

Screens: Yes [X] No [ ]
Manufacturer's Name ____
Type ____ Model No. ____
Diam 5" Slot size 20 from 918 ft. to 933 ft.
Diam. 5" Slot size 20 from 976 ft. to 981 ft.

Gravel packed: Yes [ ] No [X] Size of gravel ____
Gravel placed from ____ ft. to ____ ft.

Surface seal: Yes [X] No [ ] To what depth? 18 ft.
Material used in seal BENTONITE
Did any strata contain unusable water? Yes [ ] No [X]
Type of water? ____ Depth of strata ____
Method of sealing strata off ____

(7) PUMP: Manufacturer's Name ____
Type: ____ H.P. ____

(8) WATER LEVELS: Land-surface elevation above mean sea level 130 ± ft.
Static level 103.1 ft. below top of well Date 10/22/91
Artesian pressure ____ lbs. per square inch Date ____
Artesian water is controlled by ____ (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes [X] No [ ] If yes, by whom? R & N
Yield 74 gal./min with 148 ft. drawdown after 24 hrs.
" " " " "
" " " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level
10 min	141.6	100	120.6	1927	106.0
20	135.0	365	110.3		
60	125.0				

Date of test 10/22 - 10/25/91

Baller test ____ gal./min. with ____ ft. drawdown after ____ hrs.
Airtest ____ gal./min. with stem set at ____ ft. for ____ hrs.
Artesian flow ____ g.p.m. Date ____
Temperature of water ____ Was a chemical analysis made? Yes [X] No [ ]

(10) WELL LOG or ABANDONMENT PROCEDURE DESCRIPTION

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of information.

MATERIAL	FROM	TO
CABLE TOOL (BURT)		
SEE LOG OF WELL 1	0	850
SILTY CLAY	850	862
SILTY CLAY, PEBBLY	862	876
S & G w/SILT LAYERS	876	889
SILTY GRAVEL, GRAVELLY SILT	889	908
CLAYEY, SANDY SILT	908	915
END CABLE TOOL @ 914		
START MUD ROTARY (HANSEN)		
GRAVEL w/ LAYERS OF CLAYEY GRAVEL (MUD LOSS)	915	934
CLAYEY GRAVEL, GRAVELLY CLAY	934	971
CLAYEY GRAVEL, CLEANER	971	984
GRAVELLY CLAY, CLAYEY GRAVEL	984	1015
(E-LOGGED 895-1015)		
BURT DRLG, POULSBO	0-914	
HANSEN DRLG, VANCOUVER	914-1015	

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NOV 12 1991
DEPT. OF ECOLOGY

Work started ____, 19 Completed 10/25, 19 91

WELL CONSTRUCTOR CERTIFICATION:

I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

NAME ROBINSON & NOBLE INC (GEOLOGIST)
(PERSON, FIRM, OR CORPORATION) (TYPE OR PRINT)

Address TACOMA, WA

(Signed) [signature] (WELL DRILLER) License No. ____

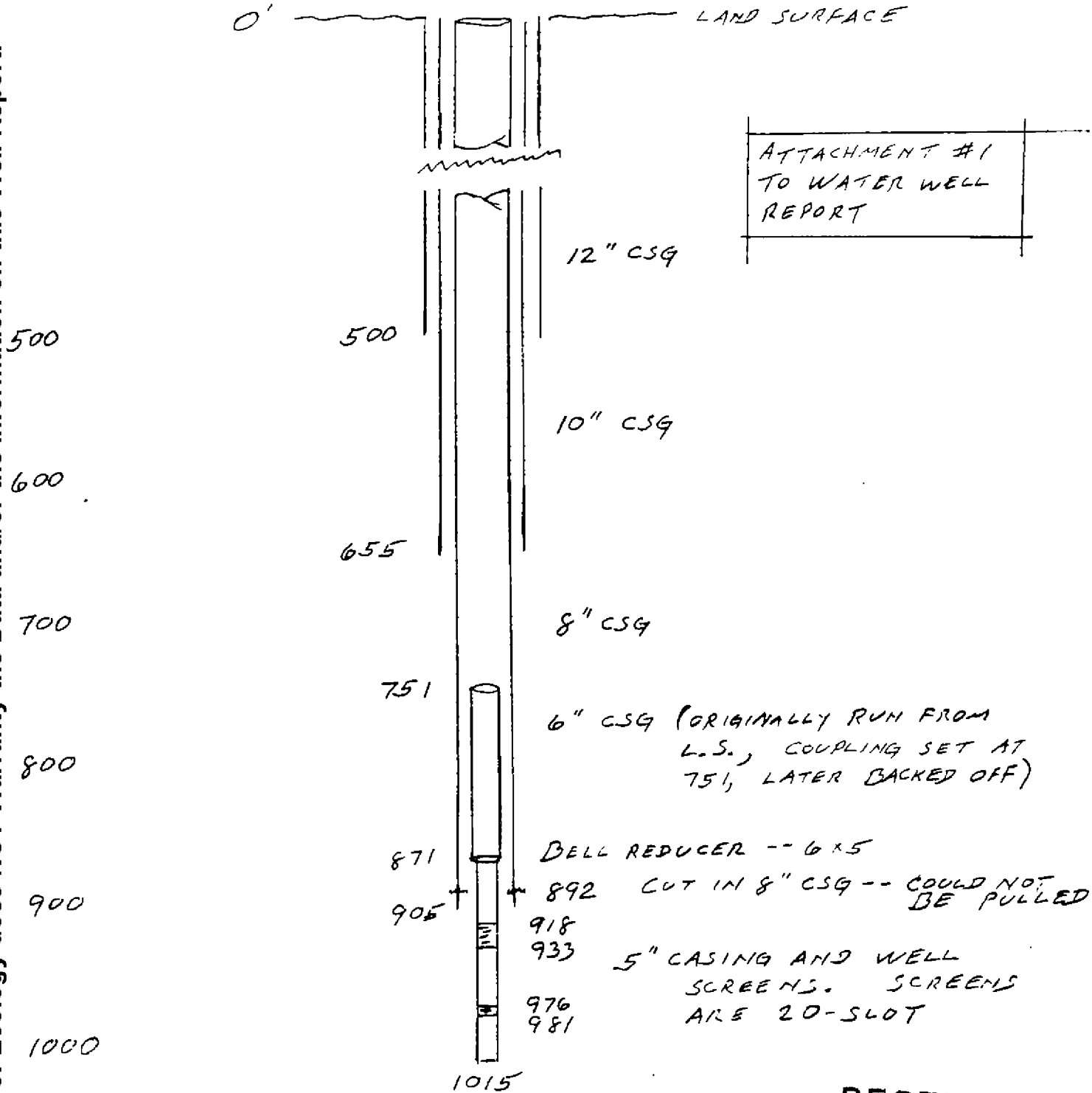
Contractor's Registration No. ____ Date 11/5, 19 91

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20 (10/87) -1329 3

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.



ATTACHMENT #1 TO WATER WELL REPORT

RECEIVED
NOV 06 1991
DEPT. OF ECOLOGY

CASING DETAILS
ISLAND UTILITIES WELL 2
(25/2E-34 F)

G1-25243 P

JJH 11/5/91

File Original and First Copy with Department of Ecology
Second Copy—Owner's Copy
Third Copy—Driller's Copy

WATER WELL REPORT

STATE OF WASHINGTON

Gpm 20k BELF RECEIVED Unit Cert No. 078238
MAY 04 1992
Water Right Permit No. G5243 P
DEPT. OF ECOLOGY

(1) OWNER: Name Island Utility Co. Address

(2) LOCATION OF WELL: County Kitsap SE¼ NW¼ Sec. 34 T. 25 N., R. 2E W.M.

(2a) STREET ADDDRESS OF WELL (or nearest address)

(3) PROPOSED USE: [X] Domestic [ ] Industrial [ ] Municipal [X] Irrigation [ ] Test Well [ ] Other [ ] DeWater

(4) TYPE OF WORK: Owner's number of well (if more than one) Well 3
Abandoned [ ] New well [X] Method: Dug [ ] Bored [ ] Deepened [ ] Cable [X] Driven [ ] Reconditioned [ ] Rotary [X] Jetted [ ]

(5) DIMENSIONS: Diameter of well 8" at Top inches. Drilled 1015 feet. Depth of completed well 1015 ft.

(6) CONSTRUCTION DETAILS: See attached
Casing Installed: ___" Diam. from ___ ft. to ___ ft.
Welded [ ] ___" Diam. from ___ ft. to ___ ft.
Liner installed [ ] Threaded [ ] ___" Diam. from ___ ft. to ___ ft.
Perforations: Yes [ ] No [X]
Type of perforator used
SIZE of perforations ___ in. by ___ in.
___ perforations from ___ ft. to ___ ft.
___ perforations from ___ ft. to ___ ft.
___ perforations from ___ ft. to ___ ft.
Screens: Yes [X] No [ ]
Manufacturer's Name
Type Model No.
Diam. 5" Slot size 20 from 918 ft. to 933 ft.
Diam. 5" Slot size 20 from 976 ft. to 981 ft.
Gravel packed: Yes [ ] No [X] Size of gravel
Gravel placed from ft. to ft.
Surface seal: Yes [X] No [ ] To what depth? 18 ft.
Material used in seal Bentonite
Did any strata contain unusable water? Yes [ ] No [X]
Type of water? Depth of strata
Method of sealing strata off

(7) PUMP: Manufacturer's Name
Type H.P.

(8) WATER LEVELS: Land-surface elevation above mean sea level 130 ft.
Static level 103.1 ft below top of well Data 10-22-91
Artesian pressure lbs. per square inch Date
Artesian water is controlled by (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes [X] No [ ] If yes, by whom? R+N
Yield: 74 gal./min. with 148 ft. drawdown after 74 hrs.

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level
10 min	141.6	100	120.6	1927	106.0
20 min	136.0	565	110.3		
60 min	135.0				

Date of test 10/22 - 10/25/91
Bailer test gal./min. with ft. drawdown after hrs.
Airtest gal./min. with stem set at ft. for hrs.
Artesian flow g.p.m. Date
Temperature of water Was a chemical analysis made? Yes [X] No [ ]

(10) WELL LOG or ABANDONMENT PROCEDURE DESCRIPTION

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of information.

MATERIAL	FROM	TO
Glacial Till	0	42
Silt, Clay, Some Sand	42	67
Sandy Silt, Some pebbly layers w. B (SWL 100')	67	128
med. Sand, Trace pumice w. B.	128	138
Gray To Brn. Sandy Silt, organic	138	168
Silt w/wood + pumice	168	180
Brn. Gray Silt + Sand, gravellye 197'	180	227
Gritty Silt	227	238
Silty Sand	238	243
Olive Silt	243	254
Sand + Silt-grading To gray clay	254	457
Gray Silt w/clay, possibly Some Sand	457	597
Gray Silt w/clay, occassional pebbles	597	757
Silt possibly Some Sand	757	859
Silty Clay	859	862
Silty clay, pebbly	862	876
S & G w/Silt layers	876	889
Silty gravel, gravelly Silt	889	908
Clayey Sandy Silt	908	915
End cable Tool e 914		
Start mud Rotary (Hansen)		
Gravel w/layers of clayey Gravel	915	934
Gravelly clay	934	971
clayey gravel, cleaner	971	984
gravelly clay, clayey gravel	984	1015
	1015	
(E-Logged 895-1015)		
Burt Drilling 0-914'		
Hansen Drilling 914-1015'		

Work started ___, 19 Completed 10-25, 19 91

WELL CONSTRUCTOR CERTIFICATION:

I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

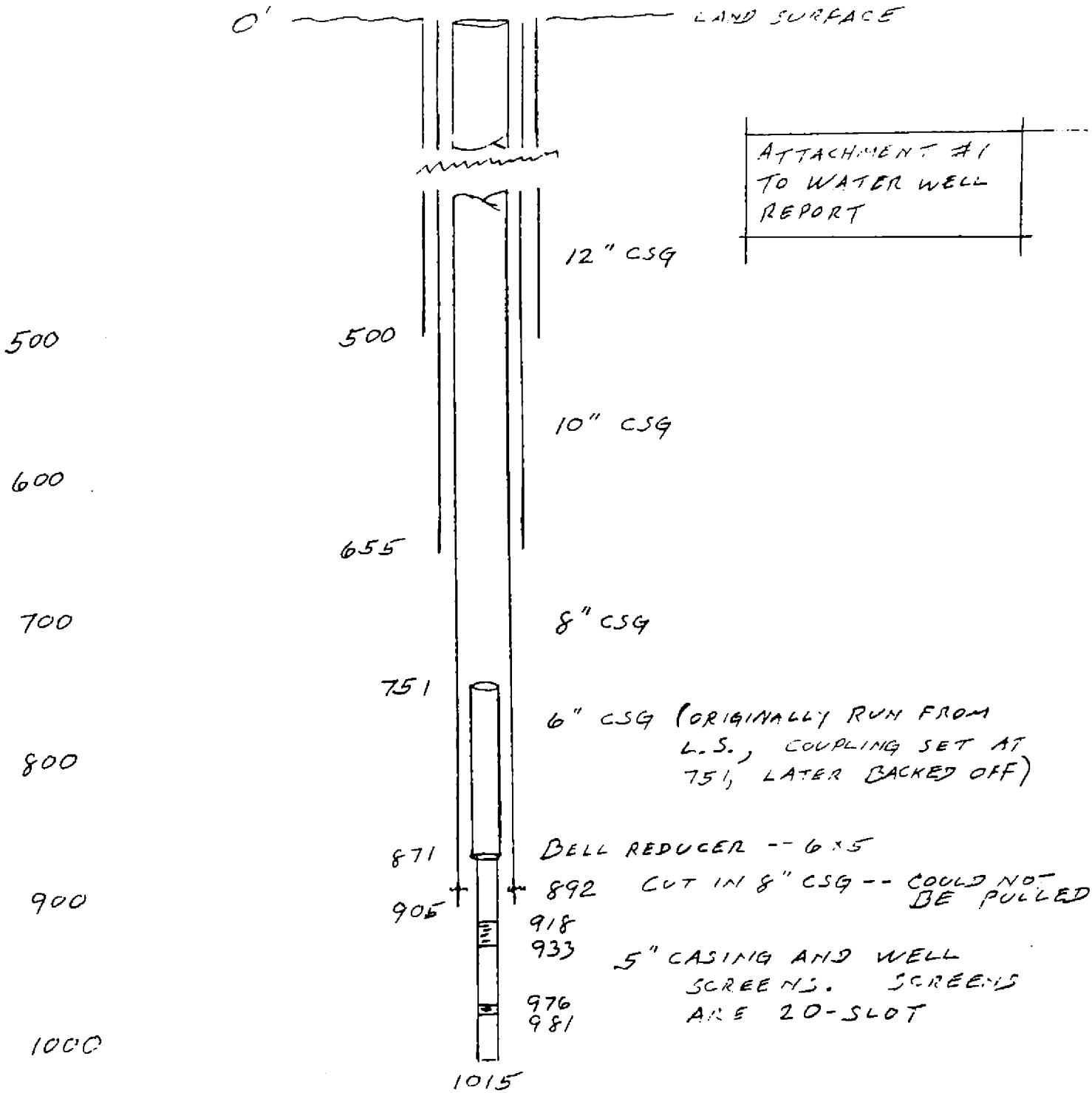
NAME Burt Well Drilling, Inc. (PERSON, FIRM OR CORPORATION) (TYPE OR PRINT)
Address 19782 N.E. Lincoln Rd. Poulsbo
(Signed) George D. Burt (WELL DRILLER) License No. 0048
Contractor's Registration No. BURTWI*222BU Date 5-1, 19 92

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20 (10/87) 1329

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.



CASING DETAILS
ISLAND UTILITIES WELL 2
(25/2E-34 F)

G1-25243 F

JJL 11/5/91

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT
STATE OF WASHINGTON

Start Card No. W 07384
UNIQUE WELL I.D. # AAS286
Water Right Permit No. 25-2E-34E

(1) OWNER: Name Island Utilities Address 1325 4th Ave 10th Floor, Seattle, WA 98101-2524

(2) LOCATION OF WELL: County Kitsap SW 1/4 NW 1/4 Sec 34 T 25 N, R 2E W.M.

(2a) STREET ADDRESS OF WELL (or nearest address) 5876 Old Mill Rd, Bainbridge Island, WA

(3) PROPOSED USE: ☐ Domestic ☐ Industrial ☐ Municipal ☐ ☐ Irrigation ☐ Test Well ☐ Other ☒ ☐ DeWater

(4) TYPE OF WORK: Owner's number of well (if more than one) 4
Abandoned ☐ New well ☒ Method: Dug ☐ Bored ☐ Deepened ☐ Cable ☐ Driven ☐ Reconditioned ☐ Rotary ☐ Jetted ☐

(5) DIMENSIONS: Diameter of well 12 x 6 inches
Drilled 1109 feet. Depth of completed well 1080 ft.

(6) CONSTRUCTION DETAILS:
Casing installed: 12 " Diam. from +2 ft. to 850 ft
Welded ☒
Liner installed ☒ 6 " Diam from 741 ft. to 1106 ft.
Threaded ☐ Except @ Screens
Perforations: Yes ☐ No ☒
Type of perforator used
SIZE of perforations in. by in
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

Screens: Yes ☒ No ☐
Manufacturer's Name Houston
Type V Shape wire wrap XHD Model No 304SS
Diam 6PS Slot size .035 from * ft. to * ft.
Diam. Slot size from ft. to ft.

Gravel packed: Yes ☒ No ☐ Size of gravel Pack CSST 8 x 12 Filter
Gravel placed from 742 ft. to 1109 ft.

Surface seal: Yes ☒ No ☐ To what depth? 850 ft.
Material used in seal Cement topped w/unhyd. bent
Did any strata contain unusable water? Yes ☐ No ☐
Type of water? Depth of strata
Method of sealing strata off

(7) PUMP: Manufacturer's Name
Type H.P.

(8) WATER LEVELS: Land-surface elevation above mean sea level Approx. 140 ft
Static level 109 bgs ft below top of well Date 01/20/99
Artesian pressure lbs per square inch Date
Artesian water is controlled by (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☒ No ☐ If yes, by whom? Schneider
Yield 85 gal./min with 190 ft. drawdown after 1 hrs.

" 85	"	213	" 4	"	
" 85	"	226	" 24	"	

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level
60	150	240	119	1000	112
120	131	300	117	1360	111
180	123	600	113		

Date of test 01/20/99
Bailer test gal./min. with ft drawdown after hrs.
Artest gal./min with stem set at ft for hrs.
Artesian flow g.p.m Date
Temperature of water 54F Was a chemical analysis made? Yes ☒ No ☐

(10) WELL LOG or ABANDONMENT PROCEDURE DESCRIPTION
Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of information

MATERIAL	FROM	TO
See Attached Log		
6" liner Assembly is equipped with an 8" MNPT at the top with a weld 8 x 6 bell reducer just below the thread.		
*Screen Locations		
808 - 813		
854 - 864		
945 - 955		
983 - 993		
1004 - 1014		
1025 - 1035		
1056 - 1066		

RECEIVED
MAR 2 1999
DEPT OF ECOLOGY

Work Started 09/30/98 19 Completed 02/04/99 19

WELL CONSTRUCTOR CERTIFICATION:
I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

NAME Schneider Drilling Company (PERSON, FIRM, OR CORPORATION) (TYPE OR PRINT)
Address 21681 River Rd NE, St Paul, OR 97137
(Signed) Stephen Schneider (WELL CONSTRUCTOR) License No. 0643
Vice President
Contractor's Registration No. SCHNEI*226LG Date 02/16 1999

(USE ADDITIONAL SHEETS IF NECESSARY)

Ecology is an Equal Opportunity and Affirmative Action employer. For special accommodation needs, contact the Water Resources Program at (206) 407-6600. The TDD number is (206) 407-6006.

ECY 050-1-20 (6/93) SEI - 9909

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

Island Utility Well #4

by Schneider Drilling Co.

Unique Well I.D. #AAS 286 - Start Card No. W07384

rom	To	Description
0	2	Topsoil
2	49	Sand, gravel & clay, tan
49	54	Clay, grey, medium
54	111	Clay, grey, silty, medium w/gravel & sand
111	126	Clay, grey, silty, hard
126	130	Clay, grey, medium
130	134	Wood & bark
134	140	Pumice, white
140	157	Clay, grey & gravel, pea
157	159	Pumice, white
159	168	Wood, peat & bark
168	171	Clay, grey, silty & some wood
171	176	Clay, grey, silty & some claystone
176	183	Clay, grey, silty & some wood
183	251	Clay, grey, medium, silty
251	275	Clay, brown w/green-grey, medium, silty
275	494	Clay, grey, silty
494	764	Clay, grey, silty & some wood
764	774	Clay, grey, medium & some wood
774	796	Clay, grey w/ gravel
796	854	Clay, grey & sand w/wood & some pebbles
854	855	Clay, grey, sandy
855	875	Clay, grey, medium w/gravel
875	877	Clay, grey, silty w/some wood
877	880	Clay, grey, silty w/gravel
880	881	Gravel & some sand & clay
881	886	Clay, grey, soft
886	923	Clay, grey, medium
923	954	Clay, grey, silty
954	968	Clay, grey, silty w/sand layers
968	971	Clay, grey, silty
971	973	Sand or silty clay
973	980	Clay, grey, silty
980	983	Clay, grey, silty & small gravel
983	984	Gravel, small
984	1029	Clay, grey, silty
1029	1034	Clay, grey, medium
1034	1044	Clay, grey w/gravel
1044	1048	Clay, grey, silty
1048	1053	Clay, grey & some gravel
1053	1065	Gravel, large & clay, grey
1065	1109	Clay, grey, silty w/some small gravel

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT

STATE OF WASHINGTON

25/02-21B
Application No. .....

25/02E/21C
Permit No. 91. 20804 P

(1) OWNER: Name KITSAP COUNTY PUD #1 Address .....

(2) LOCATION OF WELL: County KITSAP NW¼ NE¼ Sec 21 T 25 N., R 2E W.M.
Bearing and distance from section or subdivision corner

(3) PROPOSED USE: Domestic ☐ Industrial ☐ Municipal ☒
Irrigation ☐ Test Well ☐ Other ☐

(4) TYPE OF WORK: Owner's number of well (if more than one) .... ISLAND CENTER #1
New well ☒ Method: Dug ☐ Bored ☐
Deepened ☐ Cable ☒ Driven ☐
Reconditioned ☐ Rotary ☒ Jetted ☐

(5) DIMENSIONS: Diameter of well 8 inches.
Drilled 1300 ft. Depth of completed well 402 ft.

(6) CONSTRUCTION DETAILS:
Casing installed: 8" Diam. from 0 ft. to 383 ft.
Threaded ☐ ..." Diam. from ... ft. to ... ft.
Welded ☐ ..." Diam. from ... ft. to ... ft.

Perforations: Yes ☐ No ☒
Type of perforator used .....
SIZE of perforations ... in. by ... in.
... perforations from ... ft. to ... ft.
... perforations from ... ft. to ... ft.
... perforations from ... ft. to ... ft.

Screens: Yes ☒ No ☐
Manufacturer's Name JOHNSON
Type SS V-SLOT Model No .....
Diam. 8 T Slot size 10-25 from 363 ft. to 393 ft.
Diam. 8 T Slot size 10-20 from 393 ft. to 398 ft.

Gravel packed: Yes ☐ No ☒ Size of gravel: .....
Gravel placed from ... ft. to ... ft.

Surface seal: Yes ☒ No ☐ To what depth? 18 ft.
Material used in seal BENTONITE
Did any strata contain unusable water? Yes ☐ No ☐
Type of water? ... Depth of strata ...
Method of sealing strata off .....

(7) PUMP: Manufacturer's Name .....
Type: ... H.P. ...

(8) WATER LEVELS: Land-surface elevation above mean sea level .... 210 ft.
Static level 198.4 ft. below top of well Date 4/25/75
Artesian pressure ... lbs. per square inch Date ...
Artesian water is controlled by ... (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☒ No ☐ If yes, by whom? R & N
Yield: 100 gal./min. with 77 ft. drawdown after 4 hrs.
" " " "
" " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test .....
Bailer test ... gal./min. with ... ft. drawdown after ... hrs.
Artesian flow ... g.p.m. Date ...
Temperature of water ... Was a chemical analysis made? Yes ☐ No ☐

(10) WELL LOG:
Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL	FROM	TO
ORIGINALLY DRILLED TO 300 BY CABLE TOOL		
DEEPENED BY ROTARY TO 1300		
LATER REAMED TO 8" and CASING ADVANCED FROM 300 TO 402 BY CABLE TOOL		
GENERAL LOG		
Brn silt & Fine sand	0	113
Sand, gravel, clay	113	148
Clay, peat, some sd	148	206
Sand and gravel	310	434
Clays - glaciolacustrine	434	646
Gravel, snd, clay - marine shells common	646	828
Dark gray shaly clay	828	1300
CABLE TOOL BY STORY & ARMSTRONG		
ROTARY BY SOIL SAMPLING SERVICE		

Work started ..., 19... Completed 4/25, 1974

WELL DRILLER'S STATEMENT:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME ROBINSON & NOBLE
(Person, firm, or corporation) (Type or print)

Address .....

[Signed] ... (Well Driller)

License No. ... Date ..., 19...

(USE ADDITIONAL SHEETS IF NECESSARY)

S. F. No. 7356—OS—(Rev. 4-71).

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

Bruner, Marian (ECY)

From: Marty Sebren [marty@kpud.org]
Sent: Tuesday, February 23, 2010 3:05 PM
To: Bruner, Marian (ECY)
Subject: Well Logs contact

To Whom It May Concern:

In the table below I have associated **well_log_id** with **well_tag_nr** for a number of older Kitsap PUD well logs where your system currently lacks the well_tag_nr. Please update your system with the **well_tag_nr** provided here.

well_log_id	well_tag_nr	well_depth_qt	well_diameter_qt	well_owner_nm
66900	AAA106	212	12	KITSAP COUNTY PUD
66901	AAC799	364	12	KITSAP COUNTY PUD #1
66902	AAA111	1030	6	KITSAP COUNTY PUD #1
66903	AAA110	402	8	KITSAP COUNTY PUD #1
66904	AAA012	805	10	KITSAP COUNTY PUD #1
66905	AAA014	338	12	KITSAP COUNTY PUD NO. 1
66910	AAC340	1070	6	KITSAP PUD #1
66912	ACK363	375	6	KITSAP PUD #1
66913	AAA102	466	6	KITSAP PUD #1
66914	AAA015	329	12	KITSAP PUD #1
66915	AAA710	330	22	KITSAP PUD NO. 1
66916	AAA013	335	16	KITSAP PUD NO. 1
278452	AAA707	809	16	KITSAP PUD NO. 1
69371	AAB416		8	PUD #1, KITSAP COUNTY
69372	AAB471	239	12	PUD NO 1 OF KITSAP COUNTY
69373	AAA717	587	8	PUD NO 1 OF KITSAP COUNTY
69374	AAB406	414	12	PUD NO. 1 OF KITSAP CO.
70898	AAA713	473	8	SUQUAMISH WELL NO. 2 (KPUD)

Martin B. Sebren, L.H.G.

Public Utility District No. 1 of Kitsap County

PO Box 1989

Poulsbo, WA 98370

Office: (360) 626-7722

Cell: (360) 265-6553

Fax: (360) 697-4197

e-mail: sebe@kpud.org

25/01-10 D

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT
STATE OF WASHINGTON

Application No. .....
Permit No. G1-24644

(1) **OWNER:** Name Silverdale Water District Address Silverdale WA.

(2) **LOCATION OF WELL:** County Kitsap — NW ¼ NW ¼ Sec. 10 T. 25 N., R. 1E W.M.

Bearing and distance from section or subdivision corner

(3) **PROPOSED USE:** Domestic ☐ Industrial ☐ Municipal ☒
Irrigation ☐ Test Well ☐ Other ☐

(4) **TYPE OF WORK:** Owner's number of well (if more than one) Is. Lake 1
New well ☒ Method: Dug ☐ Bored ☐
Deepened ☐ Cable ☒ Driven ☐
Reconditioned ☐ Rotary ☐ Jetted ☐

(5) **DIMENSIONS:** Diameter of well 12 inches.
Drilled 623 ft. Depth of completed well 330 ft.

(6) **CONSTRUCTION DETAILS:**

Casing installed: 12 " Diam. from +2 ft. to 276.2 ft.
Threaded ☐ ." Diam. from ft. to ft.
Welded ☒ ." Diam. from ft. to ft.

Perforations: Yes ☐ No ☒
Type of perforator used
SIZE of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

Screens: Yes ☒ No ☐ Manufacturer's Name UOP JOHNSON
Type STAINLESS 304 Model No.
Diam. 10" Slot size 100 from 275 ft. to 285 ft.
Diam. 10" Slot size 20 from 285 ft. to 295 ft.
10" 20 310.3 320.3

Gravel packed: Yes ☐ No ☒ Size of gravel:
Gravel placed from ft. to ft.

Surface seal: Yes ☒ No ☐ To what depth? 44 ft.
Material used in seal Concrete
Did any strata contain unusable water? Yes ☐ No ☒
Type of water? Depth of strata
Method of sealing strata off

(7) **PUMP:** Manufacturer's Name NA
Type: H.P.

(8) **WATER LEVELS:** Land-surface elevation above mean sea level 420 ft.
Static level 221 ft. below top of well Date 7/22/85
Artesian pressure lbs. per square inch Date
Artesian water is controlled by (Cap, valve, etc.)

(9) **WELL TESTS:** Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☒ No ☐ If yes, by whom? RW
Yield: 550 gal./min. with 26 ft. drawdown after 11 hrs.
" STABILIZED " "
" " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level
INSTANT					

Date of test 7/22/85
Bailer test gal./min. with ft. drawdown after hrs.
Artesian flow g.p.m. Date
Temperature of water 48½° F Was a chemical analysis made? Yes ☐ No ☒

(10) **WELL LOG:**

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL	FROM	TO
Top Soil, Sand, Gravel, Silty Sand	0	6
Gray Silty Sand and Gravel	6	16
Silty Sand and Gravel with Layers of Silty Sand	16	68
Fine to Coarse Sand with Small Gravel	68	128
Silty Sand	128	134
Brown Silt	134	165
Gray and Brown Silt	165	181
Brown Silty Sand	181	226
Silty Sand and Gravel	226	246
Brown Silty Sand and Gravel	246	261
Brown Sand and Gravel	261	284
Brown and Sand with Some Gravel	284	318
Brown Sand and Gravel with Silt Layers	318	355
Brown Sand and Gravel with Silt Layers	355	370
Brown Silt, Gravel at 379-380	370	397
Gray Pebbly Sand	397	425
Gray Silty Sand and Gravel	425	431
Gray Silty Clay	431	451
Gray Silty Sand	451	464
Gray Silt	464	475
Clay, Sand with Gravel	475	499
Gravel, Silt, Gray	499	508
Gray Sand and Silt with Some Gravel	508	522
Gray Silty Clay	522	?
Bottom of Hole	623	

Work started 5, 19 85 Completed 7/85, 19

RECEIVED
AUG 27 1985
DEPARTMENT OF ECOLOGY
NORTHWEST REG.

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME Armstrong & Charon Drilling
(Person, firm, or corporation) (Type or print)

Address 10715 66th Ave E., Puyallup

[Signed] John Armstrong, by R+N
(Well Driller)

License No. Date , 19

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20

The Department of Ecology does NOT Warrant the Data and/or the Information on this Well Report.

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

File Original and First Copy with Department of Ecology
Second Copy – Owner's Copy
Third Copy – Driller's Copy

WATER WELL REPORT
STATE OF WASHINGTON

Application No 23/02-31K
Permit No

(1) OWNER: Name PORT BLAKELY TREE FARMS Address 830 LOGAN BLDG, SEATTLE 98101

(2) LOCATION OF WELL: County KITSAP SW-NW SE NW Sec 34 T 25 N., R 2E W.M.
Bearing and distance from section or subdivision corner

RECEIVED

(3) PROPOSED USE: Domestic ☐ Industrial ☐ Municipal ☒
Irrigation ☐ Test Well ☐ Other ☐

(4) TYPE OF WORK: Owner's number of well (if more than one) OLD MILL RD #2
New well ☒ Method: Dug ☐ Bored ☐
Deepened ☐ Cable ☒ Driven ☐
Reconditioned ☐ Rotary ☐ Jetted ☐

(5) DIMENSIONS: Diameter of well 12 inches.
Drilled 160 ft Depth of completed well 149 ft.

(6) CONSTRUCTION DETAILS:
Casing installed: 12 " Diam. from 0 ft. to 125 ft
Threaded ☐ 8 " Diam. from 0 ft. to 125 ft
Welded ☐ 6 " Diam. from 136 ft. to 149 ft

Perforations: Yes ☐ No ☒
Type of perforator used
SIZE of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

Screens: Yes ☒ No ☐
Manufacturer's Name JOHNSON
Type SS Model No
Diam. 6 PS Slot size 30 from 125 ft. to 136 ft.
Diam. Slot size from ft. to ft.

Gravel packed: Yes ☒ No ☐ Size of gravel #8 SAND
Gravel placed from 149 ft. to 90 ft

Surface seal: Yes ☒ No ☐ To what depth? 20 ft.
Material used in seal CEMENT / BENTONITE
Did any strata contain unusable water? Yes ☐ No ☒
Type of water? Depth of strata
Method of sealing strata off

(7) PUMP: Manufacturer's Name
Type: H.P.

(8) WATER LEVELS: Land-surface elevation above mean sea level 130± ft.
Static level 93.4 ft below top of well Date 11/23/87
Artesian pressure lbs per square inch Date
Artesian water is controlled by (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☒ No ☐ If yes, by whom? R&N
Yield 26 gal/min with 15.6 ft drawdown after 24 hrs.
" " "
" " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level
ON FILE R&N					

CALC T = 12,500
S = 1.7 × 10⁻⁴

Date of test
Bailer test gal/min with ft drawdown after hrs
Artesian flow g.p.m. Date
Temperature of water Was a chemical analysis made? Yes ☒ No ☐

(10) WELL LOG:
Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL	FROM	TO
TILL DEPT OF ECOLOGY		35
BLUE-GRAY SANDY CLAY	35	56
" " PEBBLY SILT	56	60
" " SANDY SILT, PEBBLY LAYERS	60	118
SANDY SILT	118	125
FINE-MEDIUM SAND w/PUMICE & WOOD NOTED	125	~~138~~ 133
SAME w/ LAYERS OF BRN SILT	~~125~~ → 133	138
GRAY SILT w/ SAND SEAMS	138	160
LOG BY ROBINSON & NOBLE, INC		
12/14/87		

Work started 10/27 19 87 Completed 11/24 19 87

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME Burt Well Drilling, Inc.
(Person, firm, or corporation) (Type or print)

Address 19282 N.E. Lincoln Rd. Poulsbo, WA 98370

[Signed] Marge Burt
(Well Driller)

License No. CC48 Date 12-16, 19 87

(USE ADDITIONAL SHEETS IF NECESSARY)

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

OCT- 5-88 WED 14:17 PT BLAKEY TF SEA WA P.02

Wellsite #4 2.5 Ac. On Cemetery Rd. 12N/02E-34F

12/8"

File Original and First Copy with Department of Ecology.
Second Copy – Owner's Copy
Third Copy – Driller's Copy AAA108

WATER WELL REPORT
STATE OF WASHINGTON

Application No. INTERIM
Permit No. 16470

(1) OWNER: Name PORT BLAKELY TREE FARMS Address 830 LOGAN BLDG, SEATTLE 98101

(2) LOCATION OF WELL: County KITSAP SW-NW SE¼ NW¼ Sec 34 T 25 N., R 2E W.M.
Bearing and distance from section or subdivision corner

(3) PROPOSED USE: Domestic ☐ Industrial ☐ Municipal ☒
Irrigation ☐ Test Well ☐ Other ☐

(4) TYPE OF WORK: Owner's number of well (if more than one) OLD MILL RD #2
New well ☒ Method: Dug ☐ Bored ☐
Deepened ☐ Cable ☒ Driven ☐
Reconditioned ☐ Rotary ☐ Jetted ☐

(5) DIMENSIONS: Diameter of well 12 inches.
Drilled 160 ft. Depth of completed well 149 ft.

(6) CONSTRUCTION DETAILS:
Casing installed: 12 " Diam. from 0 ft. to 125 ft
Threaded ☐ 8 " Diam. from 0 ft. to 125 ft.
Welded ☐ 6 " Diam. from 136 ft. to 149 ft

Perforations: Yes ☐ No ☒
Type of perforator used
SIZE of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

Screens: Yes ☒ No ☐
Manufacturer's Name JOHNSON
Type SS Model No
Diam 6 PS Slot size 30 from 125 ft. to 136 ft.
Diam. Slot size from ft. to ft.
ELEV ≈ 19 to -8

Gravel packed: Yes ☒ No ☐ Size of gravel #8 SAND
Gravel placed from 149 ft. to 90 ft.

Surface seal: Yes ☒ No ☐ To what depth? 20 ft.
Material used in seal CEMENT/BENTONITE
Did any strata contain unusable water? Yes ☐ No ☒
Type of water? Depth of strata
Method of sealing strata off

(7) PUMP: Manufacturer's Name
Type H.P.

(8) WATER LEVELS: Land-surface elevation above mean sea level 130± ft.
Static level 93.4 ft below top of well Date 11/24/87
Artesian pressure lbs per square inch Date
Artesian water is controlled by (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☒ No ☐ If yes, by whom? R&N
Yield: 26 gal/min with 15.6 ft drawdown after 24 hrs.
" " " " "
" " " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level
24 HR	FLOW	R&N	

CALC T = 12,500
S = 1.7 × 10⁻⁴

Date of test
Bailer test gal/min. with ft drawdown after hrs
Artesian flow g.p.m. Date
Temperature of water Was a chemical analysis made? Yes ☒ No ☐

(10) WELL LOG:
Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL	FROM	TO
TILL	0	35
BLUE-GRAY SANDY CLAY	35	56
" " PEBBLY SILT	56	60
" " SANDY SILT, PEBBLY LAYERS	60	118
SANDY SILT	118	125
FINE-MEDIUM SAND W/ GRAVEL & WOOD NOTED	125	~~130~~ 133
SAME W/ LAYERS OF BRN SILT	~~135~~ 133	138
GRAY SILT W/ SAND SEAMS	138	160
LOG BY ROBINSON & NOBLE, INC		
12/14/87		
144' MSL KPUO ALTIMETER		

Work started 10/27 19 87 Completed 11/24 19 87

WELL DRILLER'S STATEMENT:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

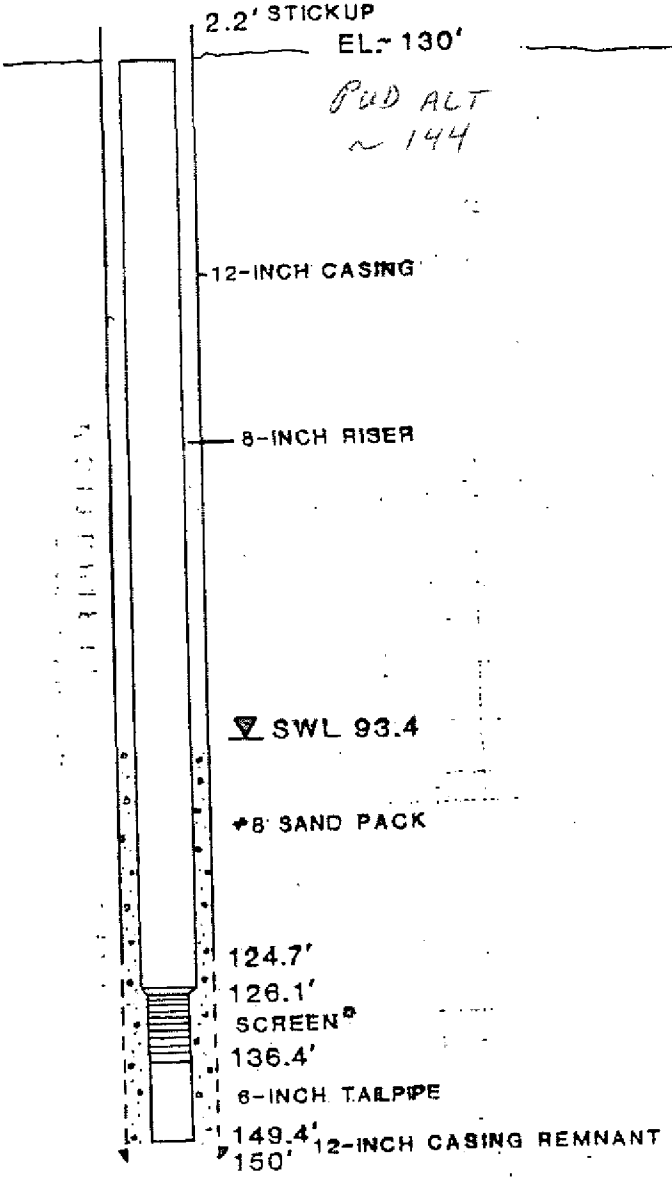
NAME (Person, firm, or corporation) (Type or print)
Address
[Signed] (Well Driller)
License No. Date 19

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

POPE BLAKELY TREE FARMS
OLD MILL ROAD WELL 2

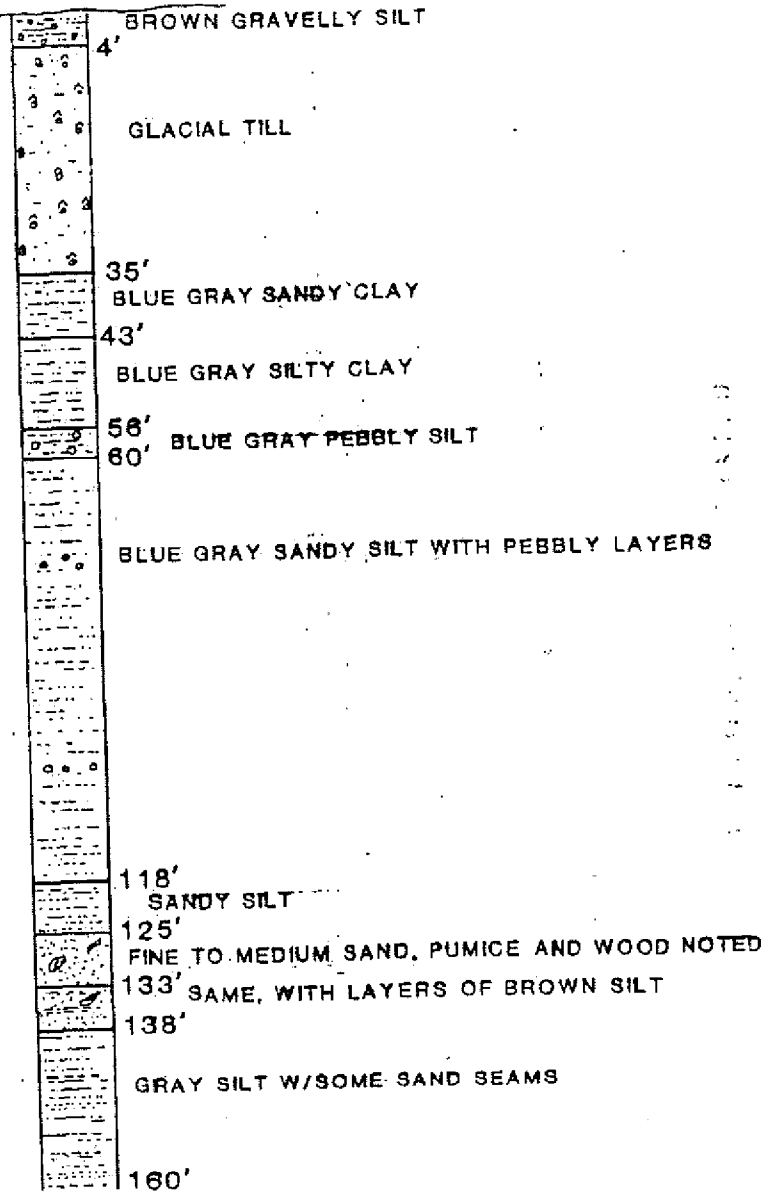
AAA108

CONSTRUCTION DETAILS



* NOTE: SCREEN IS 30-SLOT, STAINLESS STEEL, 6" ID

GEOLOGIC LOG



The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

ISLAND UTILITY OBS WELL X

WASHINGTON STATE DEPARTMENT OF ECOLOGY

ENTERED 3/16/92 [illegible]

UNIQUE WELL I.D. NUMBER AAA 108 (X Y Z 1 2 3)

AAN 342502202900 8

WELL TAGGING FORM

Date of Field Visit. 3/11/92 By JRL

RECORD VERIFICATION

- ☑ Well Report available *(please attach)*
- ☐ Well Report not available
- ☐ Verification inconclusive

WELL OWNERSHIP

Name Island Utility

Street address 500 Union; Suite 830

City Seattle State WA 98101

LOCATION OF WELL

Well Address

City Bainbridge Island County Kitsap

T. 25 N. R. 02E W.M. Sec. 34 ¼ SE ¼ NW

GPS Location: Latitude 47° 36' 58.35 ~~59~~"N

GOOGLE EARTH 8/16/11 Longitude 122° 32' 9.84 ~~06~~"W

Elevation 144' (feet)/meters *(circle one)*

- ☑ Digital Altimeter
- ☐ Topographic Map
- ☐ Other

If unable to verify location with GPS equipment:

- ☑ Location marked on topographic map *(please attach if available)*
- ☐ Location marked on air photo *(please attach if available)*

1079564

WATER WELL REPORT

STATE OF WASHINGTON ECOLOGY — Original & 1st copy - Ecology, 2nd copy - owner, 3rd copy - driller

Construction/Decommission *("x" in circle)*

(X) Construction

( ) Decommission *ORIGINAL CONSTRUCTION Notice of Intent Number* _____

CURRENT Notice of Intent No. W135434

Unique Ecology Well ID Tag No. AEK791

Water Right Permit No. N/A

25-2E-4M

Property Owner Name JAMES WOEHR HOME BUILDER

Well Street Address MANZANITA ROAD

City BAINBRIDGE ISLAND County: KITSAP

Location NW 1/4- 1/4 SW 1/4 Sec 4 Twn 25 R 2E EWM or WWM *circle one*

Lat/Long: (s,t,r still REQUIRED) Lat Deg _____ Lat Min/Sec _____ Long Deg _____ Long Min/Sec _____

Tax Parcel No. 042502-3-070-2000

PROPOSED USE: (X) Domestic ( ) Industrial ( ) Municipal ( ) DeWater ( ) Irrigation ( ) Test Well ( ) Other _____

TYPE OF WORK: Owner's number of well (if more than one) _____

(X) New Well ( ) Reconditioned *Method* ( ) Dug ( ) Bored ( ) Driven ( ) Deepened (X) Cable ( ) Rotary ( ) Jetted

DIMENSIONS: Diameter of well 6 inches, drilled 217 ft

Depth of completed well 217 ft

CONSTRUCTION DETAILS

Casing Installed: (X) Welded 6" Diam from +1 ft to 210'5" ft

( ) Liner installed _____" Diam from _____ ft to _____ ft

( ) Threaded _____" Diam. from _____ ft to _____ ft

Perforations: ( ) Yes (X) No

Type of perforator used _____

SIZE of perfs _____ in by _____ in and no of perfs _____ from _____ ft to _____ ft

Screens: (X) Yes ( ) No ( ) K-Pac Location TOP

Manufacturer's Name WESCO

Type STAINLESS STEEL Model No _____

Diam. 6 Slot Size 10 from 207 ft to 217 ft

Diam _____ Slot Size _____ from _____ ft to _____ ft

Gravel/Filter packed: ( ) Yes (X) No ( ) Size of gravel/sand _____

Materials placed from _____ ft to _____ ft

Surface Seal: (X) Yes ( ) No To what depth? 18 ft

Materials used in seal BENTONITE

Did any strata contain unusable water? ( ) Yes (X) No

Type of water? _____ Depth of strata _____

Method of sealing strata off _____

PUMP: Manufacturer's Name GOULDS

Type SUBMERSIBLE 13GS15 H.P 1½

WATER LEVELS: Land-surface elevation above mean sea level _____ ft

Static level 68 ft. below top of well Date 1/28/02

Artesian pressure _____ lbs per square inch Date _____

Artesian water is controlled by _____ (cap,valve, etc)

WELL TESTS: Drawdown is amount water level is lowered below static level

Was a pump test made? (X) Yes ( ) No If yes, by whom? GRESHAM

Yield 18 gal/min with 23 ft drawdown after 1+ hrs

Yield _____ gal/min with _____ ft drawdown after _____ hrs

Yield _____ gal/min with _____ ft drawdown after _____ hrs

Recovery data (time taken as zero when pump turned off)(water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level
FULL RECOVERY IN 17 MINUTES					

Date of test 1/28/02

Bailer test _____ gal/min with _____ ft drawdown after _____ hrs

Airtest _____ gal/min with stem set at _____ ft for _____ hrs

Artesian flow _____ g p m Date _____

Temperature of water _____ Was a chemical analysis made? (X) Yes ( ) No

CONSTRUCTION OR DECOMMISSION PROCEDURE

Formation Describe by color, character, size of material and structure, and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of information Indicate all water encountered. (USE ADDITIONAL SHEETS IF NECESSARY)

MATERIAL	FROM	TO
~~OVERUBRTURDEN~~	0	1
BROWN GRAVELLY HARDPAN	1	74
BROWN SILTY SAND & GRAVEL	74	79
BROWN GRAVELLY HARDPAN	79	93
BROWN SILTY SAND & GRAVEL	93	108
BROWN SILTY SAND & GRAVEL	108	130
GRAY SILTY SAND & GRAVEL	130	145
GRAY SILTY SAND & GRAVEL	145	155
GRAY GRAVELLY HARDPAN	155	158
GRAY SANDY SILTY CLAY	158	163
GRAY GRAVELLY TILL	163	168
GRAY GRAVELLY CLAY	168	171
GRAY GRAVELLY TILL	171	173
GRAY STICKY CLAY	173	184
GRAY GRAVELLY STICKY CLAY	184	187
GRAY CLAY	187	210
GRAY SAND & GRAVEL, H20	210	217

RECEIVED

JAN 30 2002

DEPT OF ECOLOGY

Start Date 1/10/02 Completed Date 1/23/02

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

(X) Driller ( ) Engineer ( ) Trainee Name (Print) CRAIG A. GRESHAM

Driller/Engineer/Trainee Signature _____

Driller or Trainee License No. 0761

Drilling Company GRESHAM WELL DRILLING INC

Address P.O. BOX 1600

City, State, Zip POULSBO, WA 98370-0195

Contractor's Registration No. GRESHWD055BC Date 1/28/02

If trainee, licensed driller's Signature and License no. _____

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

File Original and First Copy with Department of Ecology
Second Copy—Owner's Copy
Third Copy—Driller's Copy

WATER WELL REPORT
STATE OF WASHINGTON

Start Card No. 078258
Water Right Permit No. 25/2E/28P

(1) OWNER: Name JAMINE BALLAND Address 9306 Day Rd, B.I., Wa 98110

(2) LOCATION OF WELL: County Kitsap SE ¼ SW ¼ Sec. 28 T. 25 N., R. 2E W.M.

(2a) STREET ADDDRESS OF WELL (or nearest address) Jima Rd off Vincent Rd, B.I, WA 98110

(3) PROPOSED USE: [X] Domestic [ ] Irrigation [ ] DeWater [ ] Industrial [ ] Test Well [ ] Municipal [ ] Other

(4) TYPE OF WORK: Owner's number of well (if more than one)
Abandoned [ ] New well [X] Deepened [ ] Reconditioned [ ] Method: Dug [ ] Cable [ ] Rotary [X] Bored [ ] Driven [ ] Jetted [ ]

(5) DIMENSIONS: Diameter of well 6 inches. Drilled 390 feet. Depth of completed well 380' 6" ft.

(6) CONSTRUCTION DETAILS:
Casing installed: 6" Diam. from 0 ft. to 378 ft.
Welded [X] Liner installed [ ] Threaded [ ] " Diam. from ft. to ft.
" Diam. from ft. to ft.
Perforations: Yes [ ] No [X]
Type of perforator used
SIZE of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.
Screens: Yes [X] No [ ]
Manufacturer's Name
Type Houston Model No.
Diam. 5 Slot size 6 from 375' 6" ft. to 380 6" ft.
Diam. Slot size from ft. to ft.
Gravel packed: Yes [ ] No [X] Size of gravel
Gravel placed from ft. to ft.
Surface seal: Yes [X] No [ ] To what depth? 18+ ft.
Material used in seal Bentonite
Did any strata contain unusable water? Yes [ ] No [ ]
Type of water? Depth of strata
Method of sealing strata off

(7) PUMP: Manufacturer's Name Sta-Rite
Type: Submersible H.P. 1½

(8) WATER LEVELS: Land-surface elevation above mean sea level ft.
Static level 221' 6" ft. below top of well Date 2/17/93
Artesian pressure lbs. per square inch Date
Artesian water is controlled by (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes [ ] No [ ] If yes, by whom?
Yield: gal./min. with ft. drawdown after hrs.
" " " "
" " " "
Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test
Bailer test gal./min. with ft. drawdown after hrs.
Airtest 12 gal./min. with stem set at 370 ft. for 2 hrs.
Artesian flow g.p.m. Date
Temperature of water Was a chemical analysis made? Yes [ ] No [ ]

(10) WELL LOG or ABANDONMENT PROCEDURE DESCRIPTION

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of information.

MATERIAL	FROM	TO
Brn hardpan	0	34
Brn sand & gravel some Brn clay chunks	34	98
Brn sand with Brn clay	98	118
Brn sand & gravel	118	164
Brn clay	164	166
Brn sand	166	215
Lite Brn clay	215	220
Silty Sand	220	228
Grey clay	228	230
Silty clay	230	235
Silt	235	255
Silty clay	255	300
Silt	300	322
Clay	322	370
Clay with white Pumus	370	378
grey sand, Pumus, Water	378	380
Grey clay	380	

RECEIVED
AUG 19 1993
DEPT. OF ECOLOGY

Work started 2-9-93, 19 Completed 2-17, 19 93

WELL CONSTRUCTOR CERTIFICATION:
I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

NAME Duckworth Pump + Well Drilling (PERSON, FIRM, OR CORPORATION) (TYPE OR PRINT)
Address 18365 Diamond Drive NE. Poulsbo, WA 98370
(Signed) Donald O Duckworth (WELL DRILLER) License No. 1147
Contractor's Registration No. DuckwpW148CJ Date 1-10, 1993

(USE ADDITIONAL SHEETS IF NECESSARY)

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

ECY 050-1-20 (10/87) -1329-

24/2 - 28/A

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT
STATE OF WASHINGTON

Application No. .....
Permit No. .....

(1) OWNER: Name Mr. John Chesterley Address Agate Point Loop Rd. Bainbridge Island

(2) LOCATION OF WELL: County Kitsap — NE ¼ NE ¼ Sec 28 T. 26 N., R. 2E W.M.

Bearing and distance from section or subdivision corner

(3) PROPOSED USE: Domestic XX Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

(4) TYPE OF WORK: Owner's number of well (if more than one) .....
New well XX Method: Dug ☐ Bored ☐
Deepened ☐ Cable XX Driven ☐
Reconditioned ☐ Rotary ☐ Jetted ☐

(5) DIMENSIONS: Diameter of well 6 inches.
Drilled 103 ft. Depth of completed well 103 ft.

(6) CONSTRUCTION DETAILS:

Casing installed: 6 " Diam. from 0 ft. to 103 ft.
Threaded ☐ " Diam. from ... ft. to ... ft.
Welded XX " Diam. from ... ft. to ... ft.

Perforations: Yes ☐ No XX
Type of perforator used .....
SIZE of perforations ... in. by ... in.
... perforations from ... ft. to ... ft.
... perforations from ... ft. to ... ft.
... perforations from ... ft. to ... ft.

Screens: Yes XX No ☐
Manufacturer's Name Johnson
Type Stainless Steel Model No .....
Diam. 6 Slot size 8 from 93 ft. to 98 ft.
Diam. 6 Slot size 12 from 98 ft. to 103 ft.

Gravel packed: Yes ☐ No XX Size of gravel: .....
Gravel placed from ... ft. to ... ft.

Surface seal: Yes XX No ☐ To what depth? 18 ft.
Material used in seal Bentonite
Did any strata contain unusable water? Yes ☐ No XX
Type of water? ... Depth of strata ...
Method of sealing strata off .....

(7) PUMP: Manufacturer's Name Flint & Walling
Type: Submersible H.P. 1 1/2

(8) WATER LEVELS: Land-surface elevation above mean sea level .... 90 ft.
Static level 68 ft. below top of well Date 5-12-83
Artesian pressure ... lbs. per square inch Date ...
Artesian water is controlled by ... (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☐ No XX If yes, by whom? .....
Yield: ... gal./min. with ... ft. drawdown after ... hrs.
" " " "
" " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test .....
Bailer test 35 gal./min. with 14 ft. drawdown after 2 hrs.
Artesian flow ... g.p.m. Date ...
Temperature of water 50 Was a chemical analysis made? Yes ☐ No XX

(10) WELL LOG:

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL	FROM	TO
Overburden	0	5
Brown gravelly hard pan	5	20
Grey gravelly hard pan	20	58
" " " " w/clay	58	85
Gravel, sand, & H20 seams	85	103

Work started 5-9 19 83 Completed 5-12 1983

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME GRESHAM WELL DRILLING
(Person, firm, or corporation) (Type or print)

Address 3105 N.W. LAKERIDGE DR. POULSBO

[Signed] ... (Well Driller)

License No. 0761 Date May 17, 1983

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

STATE OF WASHINGTON
DEPARTMENT OF CONSERVATION

WELL SCHEDULE No 26/2E-33M1

Date _____ 19____

Record by D M

Source _____

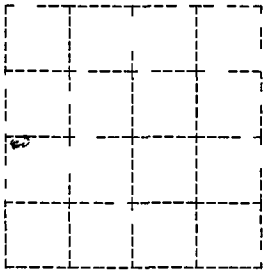


DIAGRAM OF SECTION

Location State of WASHINGTON

County Kitsap

Area _____

Map _____

____¼ ____¼ sec ____T ____N R ____E W

Details _____

Owner J. D. Braunell (His No ____)

Address _____

Driller B Strom Address _____

Topography _____

Land surface datum 60 ft above below _____

Type Dug (Drilled) Driven *Depth* Rept 120 feet

Bored Jetted Meas _____ feet

Date _____ _____ 19 47

Casing Diam ____ to ____ in ft Type _____

Depth ____ ft Finish _____

Chief aquifer _____ Depth ____ ft Thick ____ ft

Water level Rept Meas ____ ft _____ 19____ above below _____

_____ which is ____ ft above below datum

Pump Type _____ Capacity Size ____ gal min ____

Driven by ____ horsepower _____

Yield Flow ____ gal min Pump ____ gal min Meas Rept Est

Drawdown ____ ft after ____ hours pumping ____ gal min

Adequacy permanence _____

Use Dom Stock PS RR Ind Irr Obs _____

Quality Sample No ____ _____ 19____ Temp ____ F

Taste color hardness sanitation etc _____

_____

Other data Log Water levels Draft Pump test Analyses _____

Turn up SP 1 529

of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

WELL SCHEDULE CONTINUED

LOGS CASINGS SCREENS AQUIFERS

(As necessary nse t head ngs and use space below for full reco d Complete logs should be record d on separ te form for that purpose but fragment ry logs may be entered here)

	(FEET)	(FEET)
Till	0	20
Blue Clay	20	110
Gravel wb	110	120

MISCELLANEOUS

(On face of schedule add st risks to dent fy top s mpl f d use same top c h ad ng he e)

R TON 0 0

of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT
STATE OF WASHINGTON

25/02-23 D
Application No. .....
Permit No. .....

(1) OWNER: Name John Styer & Assn Address Bainbridge Island

(2) LOCATION OF WELL: County Kitsap NW ¼ NW ¼ Sec. 23 T. 25 N., R. 02E W.M.
Bearing and distance from section or subdivision corner

(3) PROPOSED USE: Domestic ☒ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

(4) TYPE OF WORK: Owner's number of well (if more than one) .....
New well ☒ Method: Dug ☐ Bored ☐
Deepened ☐ Cable ☒ Driven ☐
Reconditioned ☐ Rotary ☐ Jetted ☐

(5) DIMENSIONS: Diameter of well 6 inches.
Drilled 180 ft. Depth of completed well 180 ft.

(6) CONSTRUCTION DETAILS:

Casing installed: 6" Diam. from 0 ft. to 176 ft.
Threaded ☐ ." Diam. from ft. to ft.
Welded ☒ ." Diam. from ft. to ft.

Perforations: Yes ☐ No ☒
Type of perforator used
SIZE of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

Screens: Yes ☒ No ☐
Manufacturer's Name JOHNSON
Type SS 6" Telescoping Model No.
Diam. 6 Slot size .012 from 176 ft. to 180 ft.
Diam. Slot size from ft. to ft.

Gravel packed: Yes ☐ No ☒ Size of gravel:
Gravel placed from ft. to ft.

Surface seal: Yes ☒ No ☐ To what depth? 18 ft.
Material used in seal. Sodium Bentonite
Did any strata contain unusable water? Yes ☐ No ☒
Type of water? Depth of strata
Method of sealing strata off

(7) PUMP: Manufacturer's Name FLINT & WALLING
Type: 4" Submersible H.P. 1½

(8) WATER LEVELS: Land-surface elevation above mean sea level 35 ft.
Static level 36 ft. below top of well Date 3/30/79
Artesian pressure ------- lbs. per square inch Date
Artesian water is controlled by (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☒ No ☐ If yes, by whom? Bach
Yield: 20 gal./min. with 10 ft. drawdown after 1 hrs.
" 42 " " 17 " " 3 "
" " " " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level
0	53	+3min	45	+6min	42
+15min	36 Static				

Date of test 4/13/79
Bailer test 20 gal./min. with 13 ft. drawdown after 2 hrs.
Artesian flow ---------- g.p.m. Date
Temperature of water ---- Was a chemical analysis made? Yes ☐ No ☒

(10) WELL LOG:

Formation: *Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.*

MATERIAL	FROM	TO
Topsoil	0	3
Clay, sandy-brown	3	30
Clay, sandy-gray	30	98
Sand, silty-gray	98	145
Sand, 2g.p.m.-.010	145	165
Clay, blue	165	167
Shale	167	168
Coarse sand-water bearing	168	180

Work started 3/12, 19 79 Completed 4/13, 19 79

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME BACH DRILLING INC.
(Person, firm, or corporation) (Type or print)

Address P.O. BOX 10452 Bainbridge Isl.

[Signed] Dick T Elbs
(Well Driller)

License No. 0126 Date 4/13, 19 79

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

25/02-34A

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT
STATE OF WASHINGTON

Application No. .....
Permit No. .....

(1) OWNER: Name JENNY HAWKINS Address EAGLEDALE, BAINBRIDGE

(2) LOCATION OF WELL: County KITSAP — ¼ ¼ Sec. 34 T. 25 N., R. 2E W.M.
Bearing and distance from section or subdivision corner NE¼, NE¼

(3) PROPOSED USE: Domestic ☒ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

(4) TYPE OF WORK: Owner's number of well (if more than one) .....
New well ☒ Method: Dug ☐ Bored ☐
Deepened ☐ Cable ☒ Driven ☒
Reconditioned ☐ Rotary ☐ Jetted ☐

(5) DIMENSIONS: Diameter of well 6 inches.
Drilled 210 ft. Depth of completed well 210 ft.

(6) CONSTRUCTION DETAILS:

Casing installed: 6 " Diam. from 0 ft. to 206 ft.
Threaded ☐ ..... " Diam. from ..... ft. to ..... ft.
Welded ☐ ..... " Diam. from ..... ft. to ..... ft.

Perforations: Yes ☐ No ☒
Type of perforator used .....
SIZE of perforations ..... in. by ..... in.
..... perforations from ..... ft. to ..... ft.
..... perforations from ..... ft. to ..... ft.
..... perforations from ..... ft. to ..... ft.

Screens: Yes ☒ No ☐ — JOHNSON
Manufacturer's Name .....
Type TELESCOPE Model No. .....
Diam. 6 Slot size .125 from 204 ft. to 210 ft.
Diam. ..... Slot size ..... from ..... ft. to ..... ft.

Gravel packed: Yes ☐ No ☒ Size of gravel: .....
Gravel placed from ..... ft. to ..... ft.

Surface seal: Yes ☒ No ☐ To what depth? 20 ft.
Material used in seal BENTENITE
Did any strata contain unusable water? Yes ☐ No ☒
Type of water? — Depth of strata —
Method of sealing strata off —

(7) PUMP: Manufacturer's Name FLINT-WALLING
Type: SUBMERSIBLE H.P. 3/4

(8) WATER LEVELS: Land-surface elevation above mean sea level .... ? ft.
Static level 110 ft. below top of well Date 4/3/78
Artesian pressure ..... lbs. per square inch Date .....
Artesian water is controlled by ..... (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☒ No ☐ If yes, by whom? BACH
Yield: 3 gal./min. with 80 ft. drawdown after 4 hrs.
" " " "
" " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test .....
Bailer test 3 gal./min. with 80 ft. drawdown after 4 hrs.
Artesian flow — g.p.m. Date 4/3/78
Temperature of water — Was a chemical analysis made? Yes ☐ No ☒

(10) WELL LOG:

Formation: *Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.*

MATERIAL	FROM	TO
TOPSOIL	0	3
HARDPAN	3	18
CLAY	18	40
SANDY CLAY	40	60
CLAY	60	110
SANDY SILT	110	120
HARDPAN	120	140
SANDY CLAY	140	170
SILT	170	205
FINE SAND - WATER	205	210

Work started 3/22, 19 78 Completed 4/3, 19 78

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME Jim Bach DRILLING Co.
(Person, firm, or corporation) (Type or print)

Address PO Box 10452 BAINBRIDGE

[Signed] Jim Bach
(Well Driller)

License No. 21 Date 9/3, 19 78

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

25/02-34N

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT
STATE OF WASHINGTON

Application No.
Permit No.

(1) OWNER: Name John Irven Address 9248 Fletcher Bay Rd. B.I.

(2) LOCATION OF WELL: County Kitsap SW ¼ SW ¼ Sec. 34 T. 25 N., R. 02E W.M.

Bearing and distance from section or subdivision corner

(3) PROPOSED USE: Domestic X ☐ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

(4) TYPE OF WORK: Owner's number of well (if more than one)
New well X ☐ Method: Dug ☐ Bored ☐
Deepened ☐ Cable X ☐ Driven ☐
Reconditioned ☐ Rotary ☐ Jetted ☐

(5) DIMENSIONS: Diameter of well 6 inches.
Drilled 245 ft. Depth of completed well 245 ft.

(6) CONSTRUCTION DETAILS:

Casing installed: 6 " Diam. from 0 ft. to 241 ft.
Threaded ☐ " Diam. from ft. to ft.
Welded X " Diam. from ft. to ft.

Perforations: Yes ☐ No X
Type of perforator used
SIZE of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

Screens: Yes X ☐ No ☐
Manufacturer's Name Johnson
Type ss telescoping Model No. Super
Diam. 6 Slot size .012 from 241 ft. to 245 ft.
Diam. Slot size from ft. to ft.

Gravel packed: Yes ☐ No X ☐ Size of gravel:
Gravel placed from ft. to ft.

Surface seal: Yes X ☐ No ☐ To what depth? 18 ft.
Material used in seal Sodium Bentonite
Did any strata contain unusable water? Yes ☐ No X ☐
Type of water? Depth of strata
Method of sealing strata off

(7) PUMP: Manufacturer's Name Flint & Walling
Type: 4" Submersible H.P. 1

(8) WATER LEVELS: Land-surface elevation above mean sea level
Static level 220 ft. below top of well Date 7/16/79
Artesian pressure lbs. per square inch Date
Artesian water is controlled by (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes X ☐ No ☐ If yes, by whom? Bach

Yield:	gal./min with	ft. drawdown after	hrs.
5	10	1	
8	17	2	
10	21	3	

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test 7/16/79
Bailer test 5 gal./min. with 8 ft. drawdown after 1 hrs.
Artesian flow g.p.m. Date
Temperature of water --- Was a chemical analysis made? Yes ☐ No X ☐

(10) WELL LOG:

Formation: *Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.*

MATERIAL	FROM	TO
Hardpan	0	18
Clay-sandy	18	35
Clay-blue	35	62
Clay-sandy-blue	62	75
Clay-blue	75	140
Silt-gray	140	175
Clay-sandy-blue	175	176
Clay-blue	176	190
Sand-fine	190	191
Hardpan	191	221
Sand & gravel	221	230
Sand-coarse-water bearing	230	245

Work started 6/29, 19 79 Completed 7/16, 19 79

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME Bach Drilling Inc. (Person, firm, or corporation) (Type or print)
Address P.O. Box 10452 Bainbridge Island

RECEIVED JUL 19 1979 DEPT. OF ECOLOGY

[Signed] (Well Driller)

License No. 599 Date 7/16/, 19 79

(USE ADDITIONAL SHEETS IF NECESSARY)

050-1-20

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

376925

WATER WELL REPORT

Original & 1st copy – Ecology, 2nd copy – owner, 3rd copy – driller

DEPARTMENT OF ECOLOGY State of Washington

Construction/Decommission *("x" in circle)*

☒ Construction

☐ Decommission *ORIGINAL INSTALLATION*

Notice of Intent Number _____

PROPOSED USE: ☒ Domestic ☐ Industrial ☐ Municipal ☐ DeWater ☐ Irrigation ☐ Test Well ☐ Other _____

TYPE OF WORK: Owner's number of well (if more than one) _____

☐ New well ☐ Reconditioned *Method:* ☐ Dug ☐ Bored ☐ Driven ☒ Deepened ☒ Cable ☐ Rotary ☐ Jetted

DIMENSIONS: Diameter of well 6 inches, drilled 213 ft. Depth of completed well 372 ft.

CONSTRUCTION DETAILS

Casing Installed: ☒ Welded 6" Diam. from 159 ft. to 372 ft.

☐ Liner installed _____" Diam. from _____ ft. to _____ ft.

☐ Threaded _____" Diam. From _____ ft. to _____ ft.

Perforations: ☐ Yes ☐ No

Type of perforator used _____

SIZE of perfs _____ in. by _____ in. and no. of perfs _____ from _____ ft. to _____ ft.

Screens: ☐ Yes ☒ No ☐ K-Pac Location _____

Manufacturer's Name _____

Type _____ Model No. _____

Diam. _____ Slot size _____ from _____ ft. to _____ ft.

Diam. _____ Slot size _____ from _____ ft. to _____ ft.

Gravel/Filter packed: ☐ Yes ☒ No Size of gravel/sand _____

Materials placed from _____ ft. to _____ ft.

Surface Seal: ☒ Yes ☐ No To what depth? 18 ft.

Material used in seal BENTONITE

Did any strata contain unusable water? ☒ Yes ☐ No

Type of water? SALTWATER Depth of strata _____

Method of sealing strata off TO BE DECOMMISS

PUMP: Manufacturer's Name _____

Type: _____ H.P. _____

WATER LEVELS: Land-surface elevation above mean sea level _____ ft.

Static level _____ ft. below top of well Date _____

Artesian pressure _____ lbs. per square inch Date _____

Artesian water is controlled by _____ (cap, valve, etc.)

WELL TESTS: Drawdown is amount water level is lowered below static level

Was a pump test made? ☐ Yes ☒ No If yes, by whom? _____

Yield: _____ gal./min. with _____ ft. drawdown after _____ hrs.

Yield: _____ gal./min. with _____ ft. drawdown after _____ hrs.

Yield: _____ gal./min. with _____ ft. drawdown after _____ hrs.

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test _____

Bailer test _____ gal./min. with _____ ft. drawdown after _____ hrs.

Airtest _____ gal./min. with stem set at _____ ft. for _____ hrs.

Artesian flow _____ g.p.m. Date _____

Temperature of water _____ Was a chemical analysis made? ☐ Yes ☒ No

CURRENT

04-2E-4F

Notice of Intent No. W269955

Unique Ecology Well ID Tag No. AKR197

Water Right Permit No. N/A

Property Owner Name JEFFREY J. KING

Well Street Address 4280 POINT WHITE DRIVE

City BAINBRIDGE ISLAND County KITSAP

Location SE 1/4-1/4 NW 1/4 Sec 4 Twn 24 R 2E (s, t, r **Still REQUIRED**) EWM ☒ Or WWM ☐

Lat/Long Lat Deg _____ Lat Min/Sec _____

Long Deg _____ Long Min/Sec _____

Tax Parcel No. (Required) 042402-2-008-2000

CONSTRUCTION OR DECOMMISSION PROCEDURE

Formation: Describe by color, character, size of material and structure, and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of information. (USE ADDITIONAL SHEETS IF NECESSARY.)

MATERIAL	FROM	TO
DEEPEN EXISTING WELL		
GRAY SAND, H20	159	167
GRAY GRAVELLY CLAY (STICKY).	167	189
GRAY SILTY SAND & CLAY	189	200
GRAY COARSE SAND, H20, CHLORI	200	203
GRAY SANDY CLAY	203	218
GRAY SILTY SAND	218	226
GRAY SANDY CLAY	226	235
GRAY GRAVELLY CLAY	235	278
GRAY SAND & GRAVEL	278	301
GRAY GRAVELLY CLAY	301	305
GRAY SAND & GRAVEL, H20, CHLO	305	327
GRAY GRAVELLY CLAY	327	345
GRAY CLAY W/SHALE LAYERS	345	353
GREEN CLAY W/SHALE	353	362
GRAY CLAY W/SHALE	362	371
BEDROCK	371	372
CHLORIDE MORE THAN 600 PPM		
"SEE ATTACHED LOG"		

RECEIVED
JUN 14 2010
Dept of Ecology
WR-NWRO

Start Date 4/07/10 Completed Date 4/16/10

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

☒ Driller ☐ Engineer ☐ Trainee Name (Print) RAYMOND L BAUER

Driller/Engineer/Trainee Signature _____

Driller or trainee License No. 1463

IF TRAINEE: Driller's License No:

Driller's Signature:

Drilling Company GRESHAM WELL DRILLING INC

Address PO BOX 1600

City, State, Zip POULSB , WA, 98370

Contractor's Registration No. GRESHWD055BC Date 4/28/10

ECY 050-1-20 (Rev 02/10) *If you need this document in an alternate format, please call the Water Resources Program at 360-407-6872. Persons with hearing loss can call 711 for Washington Relay Service. Persons with a speech disability can call 877-833-6341.*

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

WATER WELL REPORT

Original & 1st copy – Ecology, 2nd copy – owner, 3rd copy – driller

Construction/Decommission *("x" in circle)*

- [x] Construction
- [ ] Decommission *ORIGINAL INSTALLATION Notice of Intent Number* _____

CURRENT
Notice of Intent No. W189605

Unique Ecology Well ID Tag No. AKR197

Water Right Permit No. N/A

Property Owner Name JEFFREY J. KING

Well Street Address 4280 POINT WHITE DRIVE

City BAINBRIDGE ISLAND County KITSAP

Location SE 1/4-1/4 NW 1/4 Sec 4 Twn 24 R 2E EWM or WWM [x] check one

(Lat/Long (s, t, r Still **REQUIRED**) Lat Deg _____ Lat Min/Sec _____ Long Deg _____ Long Min/Sec _____

Tax Parcel No. 042402-2-008-2000

PROPOSED USE: [x] Domestic [ ] Industrial [ ] Municipal [ ] DeWater [ ] Irrigation [ ] Test Well [ ] Other

TYPE OF WORK: Owner's number of well (if more than one) _____
[x] New well [ ] Reconditioned [ ] Deepened
Method: [ ] Dug [ ] Bored [ ] Driven [x] Cable [ ] Rotary [ ] Jetted

DIMENSIONS: Diameter of well 6 inches, drilled 159 ft.
Depth of completed well 159 ft.

CONSTRUCTION DETAILS
Casing Installed: [x] Welded 6" Diam. from +1 ft. to 149.7 ft.
[ ] Liner installed _____" Diam. from _____ ft. to _____ ft.
[ ] Threaded _____" Diam. from _____ ft. to _____ ft.

Perforations: [ ] Yes [x] No
Type of perforator used _____
SIZE of perfs _____ in. by _____ in. and no. of perfs _____ from _____ ft. to _____ ft.

Screens: [x] Yes [ ] No [x] K-Pac Location TOP
Manufacturer's Name WESCO
Type STAINLESS STEEL Model No. TELESCOPING
Diam. 5 Slot size 8 from 149 ft. to 159 ft.
Diam. _____ Slot size _____ from _____ ft. to _____ ft.

Gravel/Filter packed: [ ] Yes [x] No [ ] Size of gravel/sand _____
Materials placed from _____ ft. to _____ ft.

Surface Seal: [x] Yes [ ] No To what depth? 38 ft.
Material used in seal BENTONITE
Did any strata contain unusable water? [ ] Yes [x] No
Type of water? _____ Depth of strata _____
Method of sealing strata off _____

PUMP: Manufacturer's Name GOULDS
Type: SUBMERSIBLE 18GS10 H.P. 1

WATER LEVELS: Land-surface elevation above mean sea level _____ ft.
Static level 20.8 ft. below top of well Date 8/01/06
Artesian pressure _____ lbs. per square inch Date _____
Artesian water is controlled by _____ (cap, valve, etc.)

WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? [x] Yes [ ] No If yes, by whom? GRESHAM
Yield: 31 gal./min. with 33.3 ft. drawdown after 1+ hrs.
Yield: _____ gal./min. with _____ ft. drawdown after _____ hrs.
Yield: _____ gal./min. with _____ ft. drawdown after _____ hrs.

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level
FUL	RECO	30	MIN		

Date of test 8/01/06
Bailer test 21 gal./min. with 24 ft. drawdown after 1 hrs.
Airtest _____ gal./min. with stem set at _____ ft. for _____ hrs.
Artesian flow _____ g.p.m. Date _____
Temperature of water _____ Was a chemical analysis made? [x] Yes [ ] No

CONSTRUCTION OR DECOMMISSION PROCEDURE

Formation: Describe by color, character, size of material and structure, and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of information. (USE ADDITIONAL SHEETS IF NECESSARY.)

MATERIAL	FROM	TO
OVERBURDEN - TILL	0	3
BROWN GRAVELLY HARDPAN	3	8
GRAY GRAVELLY HARDPAN	8	41
GRAY SANDY CLAY	41	104
GRAY SILTY SAND & CLAY LOW H20	104	129
GRAY FINE/MED. SAND, H20	129	159

EXISTING

Start Date 7/21/06 Completed Date 7/26/06

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

[x] Driller [ ] Engineer [ ] Trainee Name (Print) CRAIG A. GRESHAM
Driller/Engineer/Trainee Signature _____
Driller or trainee License No. 0761

Drilling Company GRESHAM WELL DRILLING INC
Address P.O. BOX 1600
City, State, Zip POULSBO, WA 98370-0195

If TRAINEE,
Driller's Licensed No. _____
Driller's Signature _____

Contractor's Registration No. GRESHWD055BC Date 8/02/06

ECY 050-1-20 (Rev 3/05)

Ecology is an Equal Opportunity Employer.

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT
STATE OF WASHINGTON

25/02-34L
Application No.

Permit No. ....

(1) **OWNER:** Name Joe LAJALL Address ....

(2) **LOCATION OF WELL:** County Kitsap — ¼ SW ¼ Sec. 34 T. 25 N., R. 2E W.M.

Bearing and distance from section or subdivision corner

(3) **PROPOSED USE:** Domestic [X] Industrial [ ] Municipal [ ]
Irrigation [ ] Test Well [ ] Other [ ]

(4) **TYPE OF WORK:** Owner's number of well (if more than one) ....
New well [X] Method: Dug [ ] Bored [ ]
Deepened [ ] Cable [ ] Driven [ ]
Reconditioned [ ] Rotary [ ] Jetted [ ]

(5) **DIMENSIONS:** Diameter of well 6 inches.
Drilled 377 ft. Depth of completed well 377 ft.

(6) **CONSTRUCTION DETAILS:**

Casing installed: 6" Diam. from 0 ft. to 371' 9" ft.
Threaded [ ] ." Diam. from .... ft. to .... ft.
Welded [X] ." Diam. from .... ft. to .... ft.

Perforations: Yes [ ] No [X]
Type of perforator used ....
SIZE of perforations .... in. by .... in.
.... perforations from .... ft. to .... ft.
.... perforations from .... ft. to .... ft.
.... perforations from .... ft. to .... ft.

Screens: Yes [X] No [ ] Johnson
Manufacturer's Name ....
Type Super Model No. ....
Diam. .... Slot size #8 from 372 ft. to 377 ft.
Diam. .... Slot size .... from .... ft. to .... ft.

Gravel packed: Yes [ ] No [X] Size of gravel: ....
Gravel placed from .... ft. to .... ft.

Surface seal: Yes [X] No [ ] To what depth? 18 ft.
Material used in seal Bentonite
Did any strata contain unusable water? Yes [ ] No [X]
Type of water? .... Depth of strata ....
Method of sealing strata off ....

(7) **PUMP:** Manufacturer's Name ....
Type: .... H.P. ....

(8) **WATER LEVELS:** Land-surface elevation above mean sea level .... ft.
Static level 195 ft. below top of well Date 3/7/80
Artesian pressure .... lbs. per square inch Date ....
Artesian water is controlled by .... (Cap, valve, etc.)

(9) **WELL TESTS:** Drawdown is amount water level is lowered below static level
Was a pump test made? Yes [ ] No [X] If yes, by whom? ....
Yield: .... gal./min. with .... ft. drawdown after .... hrs.
" " " "
" " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level
....	....	....	....	....	....
....	....	....	....	....	....
....	....	....	....	....	....

Date of test 3/7/80
Bailer test 10 gal./min. with 155 ft. drawdown after 4 hrs.
Artesian flow .... g.p.m. Date ....
Temperature of water .... Was a chemical analysis made? Yes [ ] No [ ]

(10) **WELL LOG:**

Formation: *Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.*

MATERIAL	FROM	TO
Brown Hardpan	0	45
grey clay, gravel filled	45	55
Brown clay, gravel filled	55	62
Brown hardpan	62	77
Brown clay, gravel filled	77	105
Brown Sand Mixed brown clay	105	120
Brown sand mixed grey clay	120	130
Dry brown sand	130	135
Brown sand mixed brown clay	135	143
Dry Blue silty clay	143	190
Dry Blue silty clay, medium sand	190	240
Dry Blue Silty, sticky blue clay	240	274
clay, silt, coarse sand, gravel 5' shale	274	294
Hard gravelly Bluish brown clay	294	304
Mostly clay filled silt some sand	304	331
Hard shale layers	331	333
Clay filled silt	333	372
Silt water mixed #4-8 slot sand	372	375
#8 slot sand & water	375	375' 6"
Silt water mixed #4-8 slot sand	375' 6"	377
Blue clay	317	

Work started JAN 26, 19 80 Completed MAR 7, 19 80

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME Puget Sound Well Drilling
(Person, firm, or corporation) (Type or print)

Address 18365 Diamond Dr. NE. Poulsbo 98370

[Signed] Ronald D. Duckworth
(Well Driller)

License No. 1148 Date 4/21, 1981

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT

STATE OF WASHINGTON

Application No. 25/22/9 F

Permit No.

(1) OWNER: Name Jon Lindbergh Address 4481 S.E. 166th Str North Bend 98045

(2) LOCATION OF WELL: County Kitsap — SE ¼ NW ¼ Sec. 9 T 23 N, R 2E W M

Bearing and distance from section or subdivision corner

(3) PROPOSED USE: Domestic ☑ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

(4) TYPE OF WORK: Owner's number of well (if more than one)
New well ☑ Method: Dug ☐ Bored ☐
Deepened ☐ Cable ☑ Driven ☐
Reconditioned ☐ Rotary ☐ Jetted ☐

(5) DIMENSIONS: Drilled 427 ft. Diameter of well 6 420 inches. Depth of completed well ft.

(6) CONSTRUCTION DETAILS:

Casing installed: 6 " Diam. from 0 ft. to 411 ft
Threaded ☐ " Diam. from ft. to ft.
Welded ☑ " Diam. from ft. to ft.

Perforations: Yes ☐ No ☑
Type of perforator used
SIZE of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

Screens: Yes ☑ No ☐
Manufacturer's Name Cook
Type Pele Model No.
Diam 6 Slot size 14 from 410 ft. to 415 ft
Diam 6 Slot size 14 from 415 ft. to 420 ft.

Gravel packed: Yes ☐ No ☑ Size of gravel
Gravel placed from ft. to ft.

Surface seal: Yes ☑ No ☐ To what depth? 18 ft.
Material used in seal Bentonite
Did any strata contain unusable water? Yes ☐ No ☑
Type of water? Depth of strata.
Method of sealing strata off

(7) PUMP: Manufacturer's Name
Type: H.P.

(8) WATER LEVELS: Land-surface elevation above mean sea level ft.
Static level 26 ft. below top of well Date
Artesian pressure lbs per square inch Date
Artesian water is controlled by (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☐ No ☐ If yes, by whom?
Yield: gal/min. with ft. drawdown after hrs
" " "
" " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test
Bailer test 4-5 gal/min with 225 ft. drawdown after 4 hrs.
Artesian flow g.p.m. Date
Temperature of water Was a chemical analysis made? Yes ☐ No ☐

(10) WELL LOG:

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL	FROM	TO
Brn topsoil	0	3
Brn hardpan	3	42
Grey hardpan	42	43
Wet grey hardpan	43	58
Wet brn hardpan	58	62
Wet grey hardpan	62	63
Sand & gravel clay chunks, water	63	73
Wet grey hardpan	73	75
fine dirty grey sand wet	75	162
fine sand & clay chunks	162	182
Coarse sand & grey clay	182	215
Life grey sticky clay	215	295
heavy stiff clay	295	352
Lt grey sticky clay	352	410
silty clay	410	420
Coarse sand clay chunks, water, Lt grey clay		

RECEIVED
JUN 16 1992
DEPT. OF ECOLOGY

Work started Feb 15 19 89 Completed March 11 19 89

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME Duckworth Pump & Well Drilling (Person, firm or corporation) (Type or print)
Address 18365 Diamond Dr. Paulsbo
[Signed] Donald D Duckworth (Well Driller)
License No. 1147 Date March 11, 19 89

(USE ADDITIONAL SHEETS IF NECESSARY)

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

25/2E/9 C

File Original and First Copy with Department of Ecology
Second Copy—Owner's Copy
Third Copy—Driller's Copy

WATER WELL REPORT

STATE OF WASHINGTON

Start Card No 040798

Water Right Permit No. XXXXXXX

(1) OWNER: Name Mr. Jim Mace Address 6969 N.E. Day Rd.,N.W.,B.I. 98110

(2) LOCATION OF WELL: County Kitsap NE ¼ NW ¼ Sec 9 T. 25 N., R. 2E W.M.

(2a) STREET ADDDRESS OF WELL (or nearest address) 6969 Day Rd. N.W.

(3) PROPOSED USE: [X] Domestic [ ] Industrial [ ] Municipal [ ] [ ] Irrigation [ ] Test Well [ ] Other [ ] [ ] DeWater

(4) TYPE OF WORK: Owner's number of well (if more than one)
Abandoned [ ] New well [X] Method: Dug [ ] Bored [ ] Deepened [ ] Cable [X] Driven [ ] Reconditioned [ ] Rotary [ ] Jetted [ ]

(5) DIMENSIONS: Diameter of well 6 inches. Drilled 53 feet. Depth of completed well 53 ft.

(6) CONSTRUCTION DETAILS:
Casing installed: 6 " Diam. from 0 ft. to 48 ft.
Welded [X] Liner installed [ ] Threaded [ ] " Diam. from ft. to ft.
" Diam. from ft. to ft.

Perforations: Yes [ ] No [X]
Type of perforator used
SIZE of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

Screens: Yes [X] No [ ]
Manufacturer's Name Johnson
Type Model No
Diam. Slot size from ft. to ft.
Diam. Slot size from ft. to ft.

Gravel packed: Yes [ ] No [X] Size of gravel
Gravel placed from ft. to ft.

Surface seal: Yes [X] No [ ] To what depth? 18 ft.
Material used in seal Bentonite
Did any strata contain unusable water? Yes [ ] No [X]
Type of water? Depth of strata
Method of sealing strata off

(7) PUMP: Manufacturer's Name none at time
Type H.P.

(8) WATER LEVELS: Land-surface elevation above mean sea level ft.
Static level 13 ft. below top of well Date 4/29/91
Artesian pressure lbs. per square inch Date
Artesian water is controlled by (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes [ ] No [ ] If yes, by whom?
Yield gal./min. with ft. drawdown after hrs.
" " " "
Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test
Bailer test 9+ gal./min. with 29 ft. drawdown after 2 hrs.
Airtest gal./min. with stem set at ft. for hrs.
Artesian flow g.p.m. Date
Temperature of water 50 Was a chemical analysis made? Yes [ ] No [X]

(10) WELL LOG or ABANDONMENT PROCEDURE DESCRIPTION

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of information.

MATERIAL	FROM	TO
Brown gravelly hardpan	0	6
Brown sandy hardpan	6	49
Grey med. sand,gravel,H20	49	53

RECEIVED
MAY 17 1991
DEPT. OF ECOLOGY

Work started 4/29/91 19. Completed 4/29/91 19

WELL CONSTRUCTOR CERTIFICATION:
I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

NAME Gresham Well Drilling (PERSON, FIRM, OR CORPORATION) (TYPE OR PRINT)
Address 3105 N.W. Lakeness Rd.,Poulsbo,98370
(Signed) (WELL DRILLER) License No 0761
Contractor's Registration No GRESHWD206NF Date 5/07/91 19

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20 (10/87) 1329 3

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

WASHINGTON STATE DEPARTMENT OF ECOLOGY

PUD #427

UNIQUE WELL I.D. NUMBER A A A 5 3 7
X Y Z 1 2 3

WELL TAGGING FORM

Date of Field Visit 6/18/92 By BA - PUD #1

RECORD VERIFICATION

- [x] Well Report available *(please attach)*
- [ ] Well Report not available
- [ ] Verification inconclusive

WELL OWNERSHIP

Name James Mace

Street address 6969 NE Day Rd W

City Bainbridge Is State WA 98110

LOCATION OF WELL

Well Address 6969 NE Day Rd W

City Bainbridge Is County Kitsap

T. 25 N. R. 02E W M. Sec. 9C ¼ NE ¼ NW

GPS Location: Latitude 47 ° 40 ' 71 " PDOP 1.6
12 13 2
Longitude 122 ° 33 ' 38 " 9 9 9

Elevation 50 (feet) meters *(circle one)*

- [ ] Digital Altimeter
- [x] Topographic Map
- [ ] Other

If unable to verify location with GPS equipment:

- [ ] Location marked on topographic map *(please attach if available)*
- [ ] Location marked on air photo *(please attach if available)*

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

WELL CHARACTERISTICS

AAA537

Physical Description of Well (size of casing, type of well, housing, etc.): drilled with 6" casing not in a structure

Location of Well Identification Tag: on casing 4" from top

Was Supplemental Tag needed for ease of identifying well?

☒ NO ☐ YES

Scale 1:24,000 (1"=2,000')

D	C	B	A
E	F	G	H
M	L	K	J
N	P	Q	R

Indicate the location of the well within the Section by drawing a dot at that point.

SECTION 9C

COMMENTS:

FOR ECOLOGY USE ONLY

Water Right # _____ Date Issued _____

Circle one: Application Permit Certificate Claim Exempt

Copy — Owner's Copy
Copy — Driller's Copy

STATE OF WASHINGTON

AAA537

Water Right Permit No [redacted] X X

(1) OWNER Name Mr. Jim Mace Address 6969 N.E. Day Rd., N.W., B.I. 98110

(2) LOCATION OF WELL. County Kitsap NE ¼ NW ¼ Sec 9 T 25 N R 2E W M

(2a) STREET ADDRESS OF WELL (or nearest address) 6969 Day Rd. N.W.

(3) PROPOSED USE: [X] Domestic [ ] Industrial [ ] Municipal [ ] Irrigation [ ] Test Well [ ] Other [ ] DeWater

(4) TYPE OF WORK: Owner's number of well (if more than one) ____
Abandoned [ ] New well [X] Method: Dug [ ] Bored [ ] Deepened [ ] Cable [X] Driven [ ] Reconditioned [ ] Rotary [ ] Jetted [ ]

(5) DIMENSIONS: Diameter of well 6 inches. Drilled 53 feet. Depth of completed well 53 ft.

(6) CONSTRUCTION DETAILS
Casing installed 6 " Diam from 0 ft to 48 ft
Welded [X]
Liner installed [ ]
Threaded [ ]
" Diam from ____ ft to ____ ft
" Diam from ____ ft to ____ ft

Perforations Yes [ ] No [X]
Type of perforator used ____
SIZE of perforations ____ in by ____ in
____ perforations from ____ ft to ____ ft
____ perforations from ____ ft to ____ ft
____ perforations from ____ ft to ____ ft

Screens: Yes [X] No [ ]
Manufacturer's Name Johnson
Type ____ Model No ____
Diam ____ Slot size ____ from ____ ft to ____ ft
Diam ____ Slot size ____ from ____ ft to ____ ft

Gravel packed Yes [ ] No [X] Size of gravel ____
Gravel placed from ____ ft to ____ ft

Surface seal Yes [X] No [ ] To what depth? 18 ft
Material used in seal Bentonite
Did any strata contain unusable water? Yes [ ] No [X]
Type of water? ____ Depth of strata ____
Method of sealing strata off ____

(7) PUMP: Manufacturer's Name none at time
Type ____ H.P. ____

(8) WATER LEVELS: Land surface elevation above mean sea level ____ ft
Static level 13 ft below top of well Date 4/29/91
Artesian pressure ____ lbs per square inch Date ____
Artesian water is controlled by ____ (Cap valve etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes [ ] No [ ] If yes by whom? ____
Yield ____ gal/min with ____ ft drawdown after ____ hrs

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test ____
Bailer test 9+ gal/min with 29 ft drawdown after 2 hrs
Airtest ____ gal/min with stem set at ____ ft for ____ hrs
Artesian flow ____ g.p.m. Date ____

50

(10) WELL LOG or ABANDONMENT PROCEDURE DESCRIPTION

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of information.

MATERIAL	FROM	TO
Brown gravelly hardpan	0	6
Brown sandy hardpan	6	49
Grey med. sand, gravel, H20	49	53

RECEIVED
MAY 17 1991
DEPT. OF ECOLOGY

Work started 4/29/91 19 Completed 4/29/91 19

WELL CONSTRUCTOR CERTIFICATION:

I constructed and/or accept responsibility for construction of this we and its compliance with all Washington well construction standarc Materials used and the information reported above are true to my be knowledge and belief

NAME Gresham Well Drilling (PERSON, FIRM OR CORPORATION) (TYPE OR PRINT)

Address 3105 N.W. Lakeness Rd., Poulsbo, 98370

(Signed) [signature] (WELL DRILLER) License No 0761

Contractor's Registration No GRESHWD206NF Date 5/07/91 19

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

map 2/45

KITSAP COUNTY PUD #1
PRIVATE WELL/CONSERVATION PROGRAM

ACCT NO. _____ DIV. _____

CUSTOMER NAME (PLEASE PRINT) James Mace (FIRST) (LAST)

ADDRESS WHERE SHOWERHEAD INSTALLED:

STREET 10969 NE Day Rd W UNIT # _____

CITY Bainbridge Isl STATE Wa ZIP 98110

CUSTOMER'S SIGNATURE J Mace DATE 12/18/91

QUANTITY	BRAND	PROGRAM/DELIVERY METHOD
2	Ondine Showerhead	(4) Business Office
1	Kitchen Aerator	(1) Single Family
3	Bath Aerator	NO (4) Contractor Installed

PUD ACCT # ~~000+~~ 00427 WELL ID # AAA537 ELEVATION 50' 64' altim

PHONE # 842-9974 TIME BEGAN 2:16 TIME COMPLETED 3.03

LOCAL # 25N/02E-9C LATITUDE/LONGITUDE ~~474045 / 122315~~ 474071 / 122338 no signal lock on

DESCRIPTION OF MEASURING PT. (MP) top of casing — drilled (W)

HEIGHT OF MP (ABOVE)/BELOW LAND SURFACE 0.69' 6/18/92 16-881 BacT A PDOP 1.6 12 13 2 9-9 9

DEPTH TO WATER BELOW MP 16.15 DEPTH TO WATER BELOW LS 15.46'

TEMPERATURE 50.3 SPECIFIC CONDUCTIVITY 192 ph 8.37

Nitrate mg/L 1.3 Fe mg/L 1.16 Mn mg/L 0.076

COLOR clear ODOR none APPEARANCE normal

SAMPLING POINT DESCRIPTION outside hose bib

REMARKS ~~Off~~ 305 West - Right on Day past Industrial Park - (Block enter for first) Single Block mail Box (On Rite Side) Driveway across from Mail Box, Left Turn to drive way.

SAMPLING PERSONNEL BA

DISPLACEMENT BAG 1 (YES) _____ NO

N/E well - Someone home to show it. Will put flag on well.

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

26/02-33C

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT
STATE OF WASHINGTON

Application No.
Permit No.

(1) **OWNER:** Name Jacob Meyer Address Bainbridge Island

(2) **LOCATION OF WELL:** County Kitsap NE ¼ NW ¼ Sec. 33 T. 26 N., R. 2E W.M.

Bearing and distance from section or subdivision corner

(3) **PROPOSED USE:** Domestic [X] Industrial [ ] Municipal [ ]
Irrigation [ ] Test Well [ ] Other [ ]

(4) **TYPE OF WORK:** Owner's number of well (if more than one)
New well [X] Method: Dug [ ] Bored [ ]
Deepened [ ] Cable [X] Driven [ ]
Reconditioned [ ] Rotary [ ] Jetted [ ]

(5) **DIMENSIONS:** Diameter of well 6 inches.
Drilled 336 ft. Depth of completed well 336 ft.

(6) **CONSTRUCTION DETAILS:**

Casing installed: 6 " Diam. from 0 ft. to 332 ft.
Threaded [ ] " Diam. from ft. to ft.
Welded [X] " Diam. from ft. to ft.

Perforations: Yes [ ] No [X]
Type of perforator used
SIZE of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

Screens: Yes [X] No [ ] Smith
Manufacturer's Name
Type S.S. Telescoping Model No.
Diam. 6" Slot size .004 from 332 ft. to 336 ft.
Diam. Slot size from ft. to ft.

Gravel packed: Yes [ ] No [X] Size of gravel:
Gravel placed from ft. to ft.

Surface seal: Yes [X] No [ ] To what depth? 20 ft.
Material used in seal Bentonite
Did any strata contain unusable water? Yes [ ] No [X]
Type of water? Depth of strata
Method of sealing strata off

(7) **PUMP:** Manufacturer's Name Flint & Walling
Type: 4" Submersible H.P. 1

(8) **WATER LEVELS:** Land-surface elevation above mean sea level ft.
Static level 230 ft. below top of well Date 11/24/78
Artesian pressure lbs. per square inch Date
Artesian water is controlled by (Cap, valve, etc.)

(9) **WELL TESTS:** Drawdown is amount water level is lowered below static level
Was a pump test made? Yes [X] No [ ] If yes, by whom? Bach
Yield: 3½ gal./min. with 70 ft. drawdown after 8 hrs.
" " " "
" " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level
0	300	30min.	250	1hr.	230

Date of test 11/24/78
Bailer test 1 gal./min. with 15 ft. drawdown after 4 hrs.
Artesian flow g.p.m. Date
Temperature of water Was a chemical analysis made? Yes [ ] No [X]

(10) **WELL LOG:**

Formation: *Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.*

MATERIAL	FROM	TO
Clay-Brown	0	18
Clay-Blue	18	81
Sand-Fine	81	101
Clay-Blue	101	264
Clay-Green	264	278
Clay-Blue-gray	278	290
Sand-Fine-silty	320	336

Work started 10/3/78 19 Completed 11/24/78 19

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME Bach Drilling Inc.
(Person, firm, or corporation) (Type or print)
Address P.O. Box 10452 Bainbridge Isl.
[Signed] Jim Bach (Well Driller)
License No. 21 Date 11/24/78 19

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

File Original and First Copy with Department of Ecology
Second Copy—Owner's Copy
Third Copy—Driller's Copy

WATER WELL REPORT

STATE OF WASHINGTON

24/2/1.E.C Start Card No. [redacted]842
Unique # AAA 439
Water Right Permit No.

(1) OWNER: Name Jan Mitchell Address Agate Point - Bainbridge Island

(2) LOCATION OF WELL: County Kitsap SW ¼ NE ¼ Sec. 28 T. 26 N., R. 2E W.M.

(2a) STREET ADDDRESS OF WELL (or nearest address)

(3) PROPOSED USE: [X] Domestic [ ] Industrial [ ] Municipal [ ] Irrigation [ ] Test Well [ ] Other [ ] DeWater

(4) TYPE OF WORK: Owner's number of well (if more than one)
Abandoned [ ] New well [X] Method: Dug [ ] Bored [ ] Deepened [ ] Cable [X] Driven [ ] Reconditioned [ ] Rotary [ ] Jetted [ ]

(5) DIMENSIONS: Diameter of well 6 inches. Drilled 245 feet. Depth of completed well 245 ft.

(6) CONSTRUCTION DETAILS:
Casing installed: 6" Diam. from 0 ft. to 245 ft.
Welded [X] Liner installed [ ] Threaded [ ] " Diam. from ft. to ft.
" Diam. from ft. to ft.

Perforations: Yes [ ] No [X]
Type of perforator used
SIZE of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

Screens: Yes [X] No [ ]
Manufacturer's Name Johnson
Type Stainless Steel Model No.
Diam. 6" Slot size #8 from 239 ft. to 245 ft.
Diam. Slot size from ft. to ft.

Gravel packed: Yes [ ] No [X] Size of gravel
Gravel placed from ft. to ft.

Surface seal: Yes [X] No [ ] To what depth? 22 ft.
Material used in seal Bentonite
Did any strata contain unusable water? Yes [ ] No [ ]
Type of water? Depth of strata
Method of sealing strata off

(7) PUMP: Manufacturer's Name Flint & Walling
Type: Submersible H.P. 1

(8) WATER LEVELS: Land-surface elevation above mean sea level ft.
Static level 45 ft. below top of well Date 6-24-92
Artesian pressure lbs. per square inch Date
Artesian water is controlled by (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes [ ] No [ ] If yes, by whom?
Yield: 15 gal./min. with 53 ft. drawdown after 3 hrs.
" " " "
" " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test
Bailer test gal./min. with ft. drawdown after hrs.
Airtest gal./min. with stem set at ft. for hrs.
Artesian flow g.p.m. Date
Temperature of water Was a chemical analysis made? Yes [X] No [ ]

(10) WELL LOG or ABANDONMENT PROCEDURE DESCRIPTION

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of information.

MATERIAL	FROM	TO
Cemented Sand & Gravel	0	38
Sandy Brown Till - Some Water	38	41
Sand & Water	41	90
gray clay w/Sand & Water	90	102
Hard Silty gray clay	102	107
Heaving Sand	107	112
Sand	112	118
Hard gray clay " "	118	180
	180	197
Clay, water - No formation	197	200
Clay w/claystone	200	216
Small gravel & clay	216	242
Sand & Water	242	245

RECEIVED
JUL 13 1992
DEPT. OF ECOLOGY

Work started June 92, 19 Completed June, 1992

WELL CONSTRUCTOR CERTIFICATION:

I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

NAME Burt Well Drilling, Inc. (PERSON, FIRM, OR CORPORATION) (TYPE OR PRINT)
Address 19282 N.E. Lincoln Rd. Poulsbo
(Signed) George Burt (WELL DRILLER) License No. 0048
Contractor's Registration No. BURTWI*227BU Date July, 1992

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20 (10-87) -1329- 3

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

2602-33L

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy 26/2E/33/L

WATER WELL REPORT
STATE OF WASHINGTON

Application No. .....
Permit No. .....

(1) OWNER: Name JEFF PHILLIPS Address RT 8, BOX 8912 BAINBRIDGE ISLAND 98110

(2) LOCATION OF WELL: County [redacted] ¼ NW ¼ SW Sec 33 T 26 N., R 2E W.M.
Bearing and distance from section or subdivision corner

(3) PROPOSED USE: Domestic ☒ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

(4) TYPE OF WORK: Owner's number of well (if more than one) .....
New well ☒ Method: Dug ☐ Bored ☐
Deepened ☐ Cable ☒ Driven ☐
Reconditioned ☐ Rotary ☐ Jetted ☐

(5) DIMENSIONS: Diameter of well Six inches.
Drilled 168 ft. Depth of completed well 168 ft.

(6) CONSTRUCTION DETAILS:

Casing installed: ..." Diam. from ... ft. to ... ft.
Threaded ☐ ..." Diam. from ... ft. to ... ft.
Welded ☒ Six..." Diam. from 0 ft. to 163 ft.

Perforations: Yes ☐ No ☒
Type of perforator used .....
SIZE of perforations ... in. by ... in.
... perforations from ... ft. to ... ft.
... perforations from ... ft. to ... ft.
... perforations from ... ft. to ... ft.

Screens: Yes ☒ No ☐
Manufacturer's Name COOKE
Type STAINLESS Model No .....
Diam. Six Slot size .030 from 163 ft. to 168 ft.
Diam. ... Slot size ... from ... ft. to ... ft.

Gravel packed: Yes ☐ No ☒ Size of gravel: .....
Gravel placed from ... ft. to ... ft.

Surface seal: Yes ☒ No ☐ To what depth? 18 ft.
Material used in seal BENTONITE & SAND
Did any strata contain unusable water? Yes ☐ No ☐
Type of water? ... Depth of strata ...
Method of sealing strata off .....

(7) PUMP: Manufacturer's Name .....
Type: ... H.P. ...

(8) WATER LEVELS: Land-surface elevation above mean sea level .... ft.
Static level 148 ft. below top of well Date 5-19-76
Artesian pressure ... lbs. per square inch Date ...
Artesian water is controlled by ... (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☐ No ☒ If yes, by whom? .....
Yield: ... gal./min. with ... ft. drawdown after ... hrs.
" " " "
" " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test .....
Bailer test 10 gal./min. with 4 ft. drawdown after 4 hrs.
Artesian flow ... g.p.m. Date ...
Temperature of water ... Was a chemical analysis made? Yes ☐ No ☒

(10) WELL LOG:

Formation: *Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.*

MATERIAL	FROM	TO
TOP SOIL (BLACK)	0	3
SAND (BROWN)	3	12
CLAY (BROWN)	12	25
MANY SILT & SAND (BLACK)	25	65
CLAY (LIGHT-BLUE)	65	70
" " " GRAVEL	70	100
BLUE CLAY (DARK)	100	115
CLAY (SHARDAL GRAY WITH SAND & GRAVEL	115	164
S.	164	—

Work started 5-10, 19 76 Completed 5-19, 19 76

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME RUBBLE WELL DRILLING INC
(Person, firm, or corporation) (Type or print)

Address RT 4, BOX 1512 BREMERTON WN

[Signed] [signature]
(Well Driller)

License No. ... Date 5-20, 19 76

(USE ADDITIONAL SHEETS IF NECESSARY)

S. F. No. 7356—OS—(Rev. 4-71).

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

RECEIVED

APR 16 1991

DEPT. OF ECOLOGY

25/2E/21 R

Start Card No. 078149

File Original and First Copy with Department of Ecology
Second Copy—Owner's Copy
Third Copy—Driller's Copy

WATER WELL REPORT

STATE OF WASHINGTON

Water Right Permit No. _____

(1) OWNER: Name Jack Sargent Address 8235 Sands Rd, P.T. 98110

(2) LOCATION OF WELL: County Kitsap SE ¼ SE ¼ Sec 21 T 25 N., R 2 E W.M.

(2a) STREET ADDDRESS OF WELL (or nearest address) _____

(3) PROPOSED USE: [X] Domestic [ ] Industrial [ ] Municipal [ ] Irrigation [ ] Test Well [ ] Other [ ] DeWater

(4) TYPE OF WORK: Owner's number of well (if more than one) _____

Abandoned [ ] New well [X] Method: Dug [ ] Bored [ ] Deepened [ ] Cable [X] Driven [ ] Reconditioned [ ] Rotary [ ] Jetted [ ]

(5) DIMENSIONS: Diameter of well 6 inches. Drilled 169 feet. Depth of completed well 169 ft.

(6) CONSTRUCTION DETAILS:

Casing Installed: _____ " Diam. from _____ ft. to _____ ft.
Welded [X] 6 " Diam. from 0 ft. to 159 ft.
Liner installed [ ]
Threaded [ ] _____ " Diam. from _____ ft. to _____ ft.

RECEIVED
APR 16 1991
DEPT. OF ECOLOGY

Perforations: Yes [ ] No [X]
Type of perforator used _____
SIZE of perforations _____ in. by _____ in.
_____ perforations from _____ ft.
_____ perforations from _____ ft. to _____ ft.
_____ perforations from _____ ft. to _____ ft.

Screens: Yes [X] No [ ]
Manufacturer's Name Houston
Type Stainless Model No. _____
Diam. 6 Slot size 8 from 159 ft. to 169 ft.
Diam. _____ Slot size _____ from _____ ft. to _____ ft.

Gravel packed: Yes [ ] No [X] Size of gravel _____
Gravel placed from _____ ft. to _____ ft.

Surface seal: Yes [X] No [ ] To what depth? 20 ft.
Material used in seal Bentonite
Did any strata contain unusable water? Yes [ ] No [X]
Type of water? _____ Depth of strata _____
Method of sealing strata off _____

(7) PUMP: Manufacturer's Name Sta-Rite
Type: Turb 40 P H.P. 5

(8) WATER LEVELS: Land-surface elevation above mean sea level 100 ft.
Static level 73 ft. below top of well Date 4-5-91
Artesian pressure _____ lbs. per square inch Date _____
Artesian water is controlled by _____ (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes [X] No [ ] If yes, by whom? Driller
Yield: _____ gal./min. with _____ ft. drawdown after _____ hrs.
" 50 " 24 ± 5' " 5 ½ "
" " " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test _____
Bailer test 30 gal./min. with 8 ft. drawdown after 3 hrs.
Airtest _____ gal./min. with stem set at _____ ft. for _____ hrs.
Artesian flow _____ g.p.m. Date _____
Temperature of water _____ Was a chemical analysis made? Yes [X] No [ ]

(10) WELL LOG or ABANDONMENT PROCEDURE DESCRIPTION

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of information.

MATERIAL		FROM	TO
Top soil	Brown	0	4
Hard pan	"	4	10
Sand - Clay bound	"	10	14
Hard pan	"	14	56
Hard pan - Hard	"	56	78
Sand & Gravel - Cemented	"	78	81
Hard pan	Gray	81	89
Hard pan	"	89	98
Sand & Gravel - Cemented	Brown	98	100
Hard pan	"	100	102
Sand & Gravel - Loose	"	102	109
Sand & Gravel - Cemented	"	109	114
Sand - Clay bound	"	114	124
Clay - Gravel bound	Blue	124	138
Sand	Brown	138	144
Sand - Fine	Gray	144	147
Sand	"	147	170

Work started March 22, 19. Completed April 5, 1991

WELL CONSTRUCTOR CERTIFICATION:

I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

NAME CRABTREE DRILLING CO. (PERSON, FIRM, OR CORPORATION) (TYPE OR PRINT)

Address 23349 EGLON RD. NE, KINGSTON

(Signed) Jerry Crabtree (WELL DRILLER) License No. 82

Contractor's Registration No. CRABTD 25502 Date April 10, 1991

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20 (10/87) -1329- 3

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

25/2E/33 F

Start Card No. 078252

File Original and First Copy with Department of Ecology
Second Copy—Owner's Copy
Third Copy—Driller's Copy

WATER WELL REPORT

STATE OF WASHINGTON

Water Right Permit No. _____

(1) OWNER: Name Jack Selvar Address _____

(2) LOCATION OF WELL: County Kitsap SE ¼ SW ¼ Sec. 33 T. 25 N. R. 2E W.M.

(2a) STREET ADDDRESS OF WELL (or nearest address) _____

(3) PROPOSED USE: ☑ Domestic ☐ Industrial ☐ Municipal ☐ ☐ Irrigation ☐ Test Well ☐ Other ☐ ☐ DeWater

(4) TYPE OF WORK: Owner's number of well (if more than one) _____
Abandoned ☑ New well ☑ Method: Dug ☐ Bored ☐ Deepened ☐ Cable ☐ Driven ☐ Reconditioned ☐ Rotary ☐ Jetted ☐

(5) DIMENSIONS: Diameter of well 6 inches. Drilled 480 feet. Depth of completed well 480 ft.

(6) CONSTRUCTION DETAILS:
Casing installed: 6 " Diam. from 0 ft. to 416 ft.
Welded ☐ Liner installed ☐ Threaded ☐ _____ " Diam. from _____ ft. to _____ ft.

Perforations: Yes ☐ No ☑
Type of perforator used _____
SIZE of perforations _____ in. by _____ in.
_____ perforations from _____ ft. to _____ ft.
_____ perforations from _____ ft. to _____ ft.
_____ perforations from _____ ft. to _____ ft.

Screens: Yes ☐ No ☑
Manufacturer's Name _____
Type _____ Model No. _____
Diam. _____ Slot size _____ from _____ ft. to _____ ft.
Diam. _____ Slot size _____ from _____ ft. to _____ ft.

Gravel packed: Yes ☐ No ☑ Size of gravel _____
Gravel placed from _____ ft. to _____ ft.

Surface seal: Yes ☑ No ☐ To what depth? 18 + ft.
Material used in seal _____
Did any strata contain unusable water? Yes ☐ No ☐
Type of water? _____ Depth of strata _____
Method of sealing strata off _____

(7) PUMP: Manufacturer's Name _____
Type: _____ H.P. _____

(8) WATER LEVELS: Land-surface elevation above mean sea level _____ ft.
Static level _____ ft. below top of well Data _____
Artesian pressure _____ lbs. per square inch Date _____
Artesian water is controlled by _____ (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☐ No ☐ If yes, by whom? _____
Yield: _____ gal./min. with _____ ft. drawdown after _____ hrs.
" " " "
" " " "
Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test _____
Bailer test _____ gal./min. with _____ ft. drawdown after _____ hrs.
Airtest _____ gal./min. with stem set at _____ ft. for _____ hrs.
Artesian flow _____ g.p.m. Date _____
Temperature of water _____ Was a chemical analysis made? Yes ☐ No ☐

(10) WELL LOG or ABANDONMENT PROCEDURE DESCRIPTION

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of information.

MATERIAL	FROM	TO
Loose Brn sand & gravel	0	6
Brn cement gravel	6	30
Brn compact Sand & gravel with Brn Clay	30	55
Grey clay	55	87
Grey compact Sand with grey Clay	87	103
Grey Silty Clay	103	137
Sticky Grey Clay	137	169
Grey clay Water Strip, open hole, Gas	169	175
Blue Sticky clay	175	480

Work started Nov 1, 19 90 Completed Nov. 28, 19 90

WELL CONSTRUCTOR CERTIFICATION:

I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

NAME Duckworth Pump & Well Drilling (PERSON, FIRM, OR CORPORATION) (TYPE OR PRINT)

Address 18365 Diamond Dr.

(Signed) Donald D Duckworth (WELL DRILLER) License No. 1147

Contractor's Registration No. DUCKWPW145CJ Date 1-10, 1991

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20 (10/87) -1329- 3

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

25/12-28 L

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT

STATE OF WASHINGTON

Application No. .....

Permit No. .....

(1) OWNER: Name John Swolgard Address 112 NE. 61st Seattle 98115

(2) LOCATION OF WELL: County Kitsap ¼ ¼ Sec. T. N., R. E W.M.

Bearing and distance from section or subdivision corner

(3) PROPOSED USE: Domestic X Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

(4) TYPE OF WORK: Owner's number of well (if more than one) .....
New well X Method: Dug ☐ Bored ☐
Deepened ☐ Cable X Driven ☐
Reconditioned ☐ Rotary ☐ Jetted ☐

(5) DIMENSIONS: Diameter of well 6" inches.
Drilled 105 ft. Depth of completed well 105 ft.

(6) CONSTRUCTION DETAILS:

Casing installed: 6 " Diam. from 0 ft. to 99 ft.
Threaded ☐ " Diam. from ft. to ft.
Welded X " Diam. from ft. to ft.

Perforations: Yes ☐ No X
Type of perforator used .....
SIZE of perforations ..... in. by ..... in.
..... perforations from ..... ft. to ..... ft.
..... perforations from ..... ft. to ..... ft.
..... perforations from ..... ft. to ..... ft.

Screens: Yes X ☐ No ☐
Manufacturer's Name Johnson [7'4"]
Type Silver Model No. .....
Diam. 5 Slot size #10 from 100 ft. to 105 ft.
Diam. ..... Slot size ..... from ..... ft. to ..... ft.

Gravel packed: Yes ☐ No X Size of gravel: .....
Gravel placed from ..... ft. to ..... ft.

Surface seal: Yes X No ☐ To what depth? 18 ft.
Material used in seal Bentonite
Did any strata contain unusable water? Yes ☐ No X
Type of water? ..... Depth of strata .....
Method of sealing strata off .....

(7) PUMP: Manufacturer's Name .....
Type: ..... H.P. .....

(8) WATER LEVELS: Land-surface elevation above mean sea level .....
Static level 75 ft. below top of well Date 4/21/81
Artesian pressure ..... lbs. per square inch Date .....
Artesian water is controlled by ..... (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☐ No X If yes, by whom? .....
Yield: ..... gal./min. with ..... ft. drawdown after ..... hrs.
" " " "
" " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test .....
Baller test 7 gal./min. with 10 ft. drawdown after 2 hrs.
Artesian flow ..... g.p.m. Date .....
Temperature of water ..... Was a chemical analysis made? Yes ☐ No X

(10) WELL LOG:

Formation: *Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.*

MATERIAL	FROM	TO
Medium Brn Sand (Brn clay filled)	0	80
Medium Brn Sand - Wet	80	91
Medium Brn Sand with water	91	105
Medium Brn Sand (Brn clay filled)	105	-

Work started Apr 16 19 81 Completed Apr 21 19 81

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME Puget Sound Well Drilling
(Person, firm, or corporation) (Type or print)

Address 18365 Diamond DR. Poulsbo

[Signed] Ronald D Duckworth
(Well Driller)

License No. 1148 Date Apr 21 19 81

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

25/02-23R

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT
STATE OF WASHINGTON

Application No.
Permit No.

(1) OWNER: Name John Tarabochia Address 7980 Grand ave, N.E. Bainbridge Island

(2) LOCATION OF WELL: County Kitsap SE 1/4 of SE 1/4 SE 1/4 Sec 23 T. 25 N., R. 2 E W.M.

Bearing and distance from section or subdivision corner Tract 20 Jerrett Point

(3) PROPOSED USE: Domestic [X] Industrial [ ] Municipal [ ] Irrigation [ ] Test Well [ ] Other [ ]

(4) TYPE OF WORK: Owner's number of well (if more than one)
New well [X] Method: Dug [ ] Bored [ ]
Deepened [ ] Cable [X] Driven [ ]
Reconditioned [ ] Rotary [ ] Jetted [ ]

(5) DIMENSIONS: Diameter of well 6 inches. Drilled 195 ft. Depth of completed well 195 ft.

(6) CONSTRUCTION DETAILS:

Casing installed: 6 " Diam. from 0 ft. to 190 ft.
Threaded [ ] " Diam. from ft. to ft.
Welded [X] " Diam. from ft. to ft.

Perforations: Yes [ ] No [X]
Type of perforator used
SIZE of perforations in by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

Screens: Yes [X] No [ ]
Manufacturer's Name Johnson
Type Stainless Model No
Diam Slot size from ft. to ft.
Diam 6 Slot size 12 from 190 ft. to 195 ft.

Gravel packed: Yes [ ] No [X] Size of gravel
Gravel placed from ft. to ft.

Surface seal: Yes [X] No [ ] To what depth? 19 ft.
Material used in seal Bentonite
Did any strata contain unusable water? Yes [ ] No [X]
Type of water? Depth of strata
Method of sealing strata off

(7) PUMP: Manufacturer's Name Sta-Rite
Type: Jet H.P. 1

(8) WATER LEVELS: Land-surface elevation above mean sea level ft.
Static level 160 ft. below top of well Date 6/27/79
Artesian pressure lbs per square inch Date
Artesian water is controlled by (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes [X] No [ ] If yes, by whom? Duke
Yield: 12 gal/min with 14 ft. drawdown after 2 hrs

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test
Bailer test 14 gal./min. with ft. drawdown after hrs
Artesian flow g.p.m. Date
Temperature of water. Was a chemical analysis made? Yes [ ] No [X]

(10) WELL LOG:

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL		FROM	TO
Top soil	Tan	0	4
Hard pan	"	4	60
"	" & granite boulders	60	70
"	"	70	100
"	"	100	140
Gravel Dry	"	140	160
Clay & silt	"	160	170
Hard pan layers	Black	170	180
Sandy silt	Blue	180	190
Sand & gravel	"	190	194
Clay	"	194	

Work started June 16, 1979 Completed June 28, 1979

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME CRABTREE DRILLING CO. (Person, firm, or corporation) (Type or print)
Address 33349 Eglon Rd. Eagle Harbor
[Signed] Jerry Crabtree (Well Driller)
License No. 0082 Date June 29, 1979

RECEIVED JUL 2 1979 DEPT. OF ECOLOGY

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

25/02-08 Q

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT
STATE OF WASHINGTON

Application No
Permit No

(1) OWNER: Name John Taylor Address 9201 13th Ave E. Seattle 98115

(2) LOCATION OF WELL: County Kitsap NW¼ of SW¼ SE¼ Sec. 8 T. 25 N., R. 2E W.M.

Bearing and distance from section or subdivision corner Lot C Cook Estates

(3) PROPOSED USE: Domestic ☒ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

(4) TYPE OF WORK: Owner's number of well (if more than one)
New well ☒ Method: Dug ☐ Bored ☐
Deepened ☐ Cable ☒ Driven ☐
Reconditioned ☐ Rotary ☐ Jetted ☐

(5) DIMENSIONS: Diameter of well 6 inches.
Drilled 348 ft. Depth of completed well 348 ft.

(6) CONSTRUCTION DETAILS:

Casing installed: 6 " Diam. from 0 ft. to 340 ft.
Threaded ☐ " Diam. from ft. to ft.
Welded ☒ " Diam. from ft. to ft.

Perforations: Yes ☐ No ☒
Type of perforator used.
SIZE of perforations in. by in.
perforations from ft. to ft.
perforations from ft to ft.
perforations from ft to ft.

Screens: Yes ☒ No ☐
Manufacturer's Name Johnson
Type Stainless Model No
Diam. Slot size from ft. to ft.
Diam. 6 Slot size 4 from 340 ft. to 348 ft.

Gravel packed: Yes ☐ No ☒ Size of gravel
Gravel placed from ft. to ft.

Surface seal: Yes ☒ No ☐ To what depth? 20 ft.
Material used in seal Bentonite
Did any strata contain unusable water? Yes ☐ No ☒
Type of water? Depth of strata
Method of sealing strata off

(7) PUMP: Manufacturer's Name Ata-Rite
Type: Jet, H.P. 1½

(8) WATER LEVELS: Land-surface elevation above mean sea level 140 ft.
Static level 73 ft below top of well Date 6/14/78
Artesian pressure lbs. per square inch Date
Artesian water is controlled by (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☒ No ☐ If yes, by whom? Driller
Yield: 9 gal./min. with 252 ft. drawdown after 3 hrs.

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test
Baller test 5 gal./min. with 247 ft. drawdown after 3 hrs.
Artesian flow g.p.m. Date
Temperature of water Was a chemical analysis made? Yes ☐ No ☒

(10) WELL LOG:

Formation: *Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.*

MATERIAL		FROM	TO
Crumbly clay	Brown	0	15
Clayey sand	"	15	62
Clayish silt	Gray	62	78
Clay	Blue	78	83
Sandy silt	"	83	125
Fine, fine, fine sand		125	179
Compacted silt & clay		179	194
Loose fine sandy silt		194	195
Clay	Blue	195	213
Loose fine sandy silt	"	213	305
Clay	"	305	311
Silt	"	311	340
Fine sand & silt		340	348

Work started May 24, 19 78 Completed June 15, 19 78

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME CRABTREE DRILLING CO
(Person, firm, or corporation) (Type or print)

Address 33349 Eglon Rd. NE Kingston

[Signed] Jerry Crabtree
(Well Driller)

License No. 223-02 Date June 15, 19 78

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

WASHINGTON STATE DEPARTMENT OF ECOLOGY

UNIQUE WELL I.D. NUMBER AAA359 (X Y Z 1 2 3)

WELL TAGGING FORM

Date of Field Visit 05/15/92 By MM-PUD#1

RECORD VERIFICATION

- [x] Well Report available *(please attach)*
- [ ] Well Report not available
- [ ] Verification inconclusive

No log 5/18/92 MM

WELL OWNERSHIP

Name Kathleen Kler

Street address 11588 Arrow Point Dr. NE

City Bainbridge Is State WA 98110

LOCATION OF WELL

Well Address 11588 Arrow Point Dr. NE

City Bainbridge Is County Kitsap

T. 25 N. R. 02 E W.M. Sec. 30 ¼ SW ¼ SE

GPS Location: Latitude 47 ° 40 ' 05 "

Longitude 122 ° 34 ' 17 " no signal

Elevation 1231 (feet)/meters *(circle one)*

- [x] Digital Altimeter
- [ ] Topographic Map
- [ ] Other

If unable to verify location with GPS equipment:

- [ ] Location marked on topographic map *(please attach if available)*
- [ ] Location marked on air photo *(please attach if available)*

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

AAA359

WELL CHARACTERISTICS

Physical Description of Well (size of casing, type of well, housing, etc.): drilled well, 6" casing, shacklike well house

Location of Well Identification Tag: 6" below top of casing

Was Supplemental Tag needed for ease of identifying well?

☒ NO ☐ YES

Scale 1:24,000 (1"=2,000')

D	C	B	A
E	F	G	H
M	L	K	J
N	P	Q	R

Indicate the location of the well within the Section by drawing a dot at that point.

SECTION 80

COMMENTS:

FOR ECOLOGY USE ONLY

Water Right # _____ Date Issued _____

AAA359 25/02-08 C

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT

STATE OF WASHINGTON

Application No

Permit No

(1) OWNER: Name John Taylor Address 9201 17th ave E. Seattle 98115

(2) LOCATION OF WELL: County Kitsap NW¼ of SW¼ SE¼ Sec 8 T 25 N, R 2E W.M

bearing and distance from section or subdivision corner Lot C Cook Estates

(3) PROPOSED USE: Domestic [X] Industrial [ ] Municipal [ ]
Irrigation [ ] Test Well [ ] Other [ ]

(4) TYPE OF WORK: Owner's number of well (if more than one)
New well [X] Method Dug [ ] Bored [ ]
Deepened [ ] Cable [X] Driven [ ]
Reconditioned [ ] Rotary [ ] Jetted [ ]

(5) DIMENSIONS Diameter of well 6 inches
Drilled 348 ft Depth of completed well 348 ft

(6) CONSTRUCTION DETAILS:
Casing installed: 6 " Diam from 0 ft to 340 ft
Threaded [ ] " Diam from ft to ft
Welded [X] " Diam from ft to ft

Perforations. Yes [ ] No [X]
Type of perforator used
SIZE of perforations in by in
perforations from ft to ft
perforations from ft to ft
perforations from ft to ft

Screens: Yes [X] No [ ]
Manufacturer's Name Johnson
Type Stainless Model No
Diam Slot size from ft to ft
Diam 6 Slot size 4 from 340 ft to 348 ft

Gravel packed: Yes [ ] No [X] Size of gravel
Gravel placed from ft to ft

Surface seal: Yes [X] No [ ] To what depth? 20 ft
Material used in seal Bentonite
Did any strata contain unusable water? Yes [ ] No [X]
Type of water? Depth of strata
Method of sealing strata off

(7) PUMP: Manufacturer's Name Ste Rite
Type Jet H.P 1½

(8) WATER LEVELS: Land-surface elevation above mean sea level 140
Static level 73 ft below top of well Date 6/14/78
Artesian pressure lbs per square inch Date
Artesian water is controlled by (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes [X] No [ ] If yes by whom? Driller
Yield 9 gal/min with 252 ft drawdown after 3 hrs
" " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test
Bailer test 5 gal/min with 247 ft drawdown after 3 hrs
Artesian flow g p m Date
Temperature of water Was a chemical analysis made? Yes [ ] No [X]

(10) WELL LOG:

Formation Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation

MATERIAL		FROM	TO
Gumbo clay	Brown	0	15
Clay bound sand	"	15	62
Clayish silt	Brwn	62	78
Clay	Blue	78	83
Sandy silt	"	83	125
Fine, fine, fine sand		125	179
Compacted silt & clay		179	194
Loose fine sandy silt		194	195
Clay	Blue	195	213
Loose fine sandy silt	"	213	305
Clay	"	305	311
Silt	"	311	340
Fine sand & silt		340	348

Work started May 24, 19 78 Completed June 15, 19 78

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME CRABTREE DRILLING CO
(Person, firm, or corporation) (Type or print)

Address 33349 Eglon Rd. N.E. Kingston

[Signed] Jerry Crabtree
(Well Driller)

License No 223-02 Date June 15, 19 78

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050 20

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

North

KITSAP COUNTY PUD #1
PRIVATE WELL/CONSERVATION PROGRAM

LAB NO. 842

Map 1/45

ACCOUNT NO. _____ DIV. _____

CUSTOMER NAME (PLEASE PRINT) Kathleen (FIRST) Kler (LAST) (David Haakenson)

ADDRESS WHERE SHOWERHEAD INSTALLED:

STREET 11588 Arrow Point Dr NE UNIT # _____

CITY Bainbridge Is. STATE WA ZIP 98110

CUSTOMER'S SIGNATURE David Haakenson DATE 05/15/92 neg 5/1/52

QUANTITY	BRAND	PROGRAM/DELIVERY METHOD
2	Ondine Showerhead	(4) Business Office
1	Kitchen Aerator	(1) Single Family
_____	Bath Aerator	no (4) Contractor Installed

PUD ACCT # 986 WELL ID # AAA359 LOCAL # 25n/02E-8Q

ELEVATION per topo 123' alt LATITUDE/LONGITUDE 474005 / 1223417 no signal

(D)(C) _____ DRILLED(W) SPRING(S) _____ has log (maybe) N/t

ORIGINAL OWNER John Taylor DRILLER Crabtree

YEAR DRILLED 1978 June 14 WELL DEPTH 300'

PHONE # 842-3804 home TIME BEGAN 1200 TIME COMPLETED 1237

DESCRIPTION OF MEASURING PT. (MP) unable to sound; access rusted tight; reversed bolts

HEIGHT OF MP ABOVE/BELOW LAND SURFACE _____ BacT A

DEPTH TO WATER BELOW MP _____ DEPTH TO WATER BELOW LS _____

TEMPERATURE 51.3 SPECIFIC CONDUCTIVITY 233. ph 8.09

Nitrate mg/L 0.8 Fe mg/L 0.24 Mn mg/L 0.162

COLOR clear ODOR none APPEARANCE normal

SAMPLING POINT DESCRIPTION outside hose bib

REMARKS well house along driveway (on right)

SAMPLING PERSONNEL MM

DISPLACEMENT BAG INSTALLED 2 (YES) _____ NO

Cont 48-57/L

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

25/02 - 25 C

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy -- Driller's Copy

WATER WELL REPORT
STATE OF WASHINGTON

Application No. .....
Permit No. .....

(1) OWNER: Name John Ugles Address 6630 Fletcher Bay Rd., Bain-ridge Is.

(2) LOCATION OF WELL: County Kitsap — SW ¼ SE ¼ Sec. 28 T. 25 N., R. 2E W.M.

Bearing and distance from section or subdivision corner NE ¼ of above

(3) PROPOSED USE: Domestic ☒ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

(4) TYPE OF WORK: Owner's number of well (if more than one) .....
New well ☒ Method: Dug ☐ Bored ☐
Deepened ☐ Cable ☒ Driven ☐
Reconditioned ☐ Rotary ☐ Jetted ☐

(5) DIMENSIONS: Diameter of well 8 inches.
Drilled 295 ft. Depth of completed well 294 ft.

(6) CONSTRUCTION DETAILS:

Casing installed: 8 " Diam. from 0 ft. to 279 ft.
Threaded ☐ " Diam. from ft. to ft.
Welded ☒ " Diam. from ft. to ft.

Perforations: Yes ☐ No ☒
Type of perforator used .....
SIZE of perforations ..... in. by ..... in.
..... perforations from ..... ft. to ..... ft.
..... perforations from ..... ft. to ..... ft.
..... perforations from ..... ft. to ..... ft.

Screens: Yes ☒ No ☐
Manufacturer's Name Johnson
Type Stainless Model No .....
Diam. 8 Slot size 20 from 279 ft. to 284 ft.
Diam. 8 Slot size 15 from 284 ft. to 289 ft.

Gravel packed: Yes ☐ No ☒ Size of gravel: .....
Gravel placed from ..... ft. to ..... ft.

Surface seal: Yes ☒ No ☐ To what depth? 18 ft.
Material used in seal bentonite
Did any strata contain unusable water? Yes ☐ No ☒
Type of water? ..... Depth of strata .....
Method of sealing strata off .....

(7) PUMP: Manufacturer's Name .....
Type: ..... H.P. .....

(8) WATER LEVELS: Land-surface elevation above mean sea level ..... ft.
Static level 113 ft. below top of well Date 7/11/80
Artesian pressure ..... lbs. per square inch Date .....
Artesian water is controlled by ..... (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☐ No ☒ If yes, by whom? .....
Yield: ..... gal./min. with ..... ft. drawdown after ..... hrs.
" " " "
" " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test .....
Bailer test 30 gal./min. with 15 ft. drawdown after 2 hrs.
Artesian flow ..... g.p.m. Date .....
Temperature of water ..... Was a chemical analysis made? Yes ☐ No ☒

(10) WELL LOG:

Formation: *Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.*

MATERIAL	FROM	TO
Brown sandy clay	0	53
Same, some gravel	53	58
Brown clay & sand	58	66
Brown sand, muddy, some water	66	81
Brown sand & clay	81	102
Brown sand, muddy some water	102	107
Brown sand & clay	107	122
Brown clay, silty, layer of blue clay at 130'	122	130
Bronw sand, fine with layers of Hard packed sand	130	133
Fine blue-grey silty sand & clay in layers	133	167
Blue-grey silty clay	167	207
Very fine sandy silt	207	215
Blue silty clay	215	230
Same with layers of fine sand	230	236
Blue clay	236	275
Muddy fine sand	275	278
Sand, little muddy, some water	278	285
Same, more muddy	285	292
Sand getting finer every foot	292	295

Work started June 22, 19 79 Completed July 11, 19 80

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME Indrebo Drilling Corporation
(Person, firm, or corporation) (Type or print)

Address 1653 So. 95th, Tacoma, WA 98444

[Signed] Roger Indrebo
(Well Driller)

License No. 0596 Date July 14, 19 80

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20

The Department of Ecology does NOT Warrant the Data and/or the Information on this Well Report.

Map No.

Town Winslow, Wash.
Company John Uglesich
Farm
Authority N. C. Jannsen
Elevation
Collector W. Warren
Confidential No
Date 1-14-31

No.

R. 2 E. W.

T. 25 N.

Sec. 26

No.	STRATA	Thickness Feet	Thickness In.	Depth Feet	Depth In.
1.	Old well	34		34	
	Glacial drift				
2.	Gravel, cemented	4		38	
3.	Gravel, loose, little water	11		49	
4.	Gravel, cemented and sand	7		56	
5.	Sand, loose	2		58	
6.	Gravel, loose	14		72	
	About 200 gph.				

County KITSAP

Index No Kp 08(26.94)

of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT
STATE OF WASHINGTON

Application No
Permit No

(1) **OWNER:** Name JAMES - WOLFE AGENCY Address P.O. Box 10353 Winslow, WN. 98110

(2) **LOCATION OF WELL:** County Kitsap E½ of NW¼ - NE¼ NE¼ Sec. 9 T 25 N., R. 2E W M.

Bearing and distance from section or subdivision corner

(3) **PROPOSED USE:** Domestic ☒ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

(4) **TYPE OF WORK:** Owner's number of well (if more than one)
New well ☒ Method: Dug ☐ Bored ☐
Deepened ☐ Cable ☒ Driven ☒
Reconditioned ☐ Rotary ☐ Jetted ☐

(5) **DIMENSIONS:** Diameter of well 6 inches.
Drilled 84 ft. Depth of completed well 79 ft.

(6) **CONSTRUCTION DETAILS:**

Casing installed: 6 " Diam. from 0 ft. to 69 ft.
Threaded ☐ " Diam. from ft. to ft.
Welded ☒ " Diam. from ft. to ft.

Perforations: Yes ☐ No ☒
Type of perforator used
SIZE of perforations in. by in.
perforations from ft to ft.
perforations from ft. to ft.
perforations from ft. to ft.

Screens: Yes ☒ No ☐
Manufacturer's Name Johnson
Type Telescope Model No
Diam 6 Slot size 12 from 67 ft. to 73 ft.
Diam 6 Slot size 8 from 73 ft. to 79 ft.

Gravel packed: Yes ☐ No ☒ Size of gravel
Gravel placed from ft. to ft.

Surface seal: Yes ☒ No ☐ To what depth? 20 ft.
Material used in seal BENTENITE
Did any strata contain unusable water? Yes ☐ No ☒
Type of water? Depth of strata
Method of sealing strata off

(7) **PUMP:** Manufacturer's Name FLINT - WALLING
Type: SUBMERSIBLE H.P. ½

(8) **WATER LEVELS:** Land-surface elevation above mean sea level ? ft.
Static level 41 ft. below top of well Date 12/5/77
Artesian pressure lbs per square inch Date
Artesian water is controlled by (Cap, valve, etc.)

(9) **WELL TESTS:** Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☒ No ☐ If yes, by whom? Bach
Yield: 5 gal./min. with 20 ft. drawdown after 4 hrs.
" " " "
" " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test 12/5/77
Bailer test 7 gal./min. with 25 ft. drawdown after 2 hrs.
Artesian flow — g.p.m. Date 12/4/77
Temperature of water — Was a chemical analysis made? Yes ☐ No ☒

(10) **WELL LOG:**

Formation: *Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.*

MATERIAL	FROM	TO
Topsoil	0	3
Brn. Hardpan	3	24
Brn. Sandy Clay	24	45
Brn. Sand 2gpm	45	47
Brn. Sandy Clay	47	49
Gravelly Clay	49	51
Brn. Sandy Clay	51	68
Brn Sand - Gravel 5gpm	68	77
Grey Sand	77	84

Work started 12/26, 19 77 Completed 12/2, 19 77

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME Jim Bach Drilling Co.
(Person, firm, or corporation) (Type or print)

Address P.O Box 10452 Bainbridge Is. WN. 98110

[Signed] Jim Bach
(Well Driller)

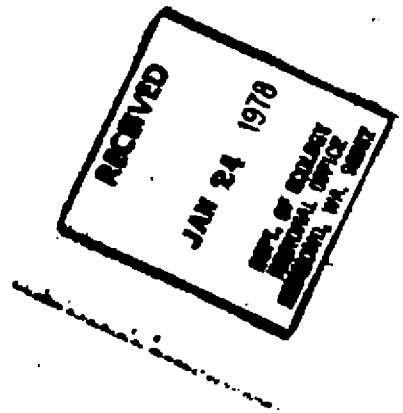
License No. 21 Date 12/5, 19 77

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.



File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT
STATE OF WASHINGTON

Application No. 24702-09 M

Permit No. .....

(1) OWNER: Name JOHN H. YATES Address 6760 EAST BEACH DRIVE PORT ORCHARD WA

(2) LOCATION OF WELL: County KITSAP NW ¼ SW ¼ Sec. 9 T. 24 N., R. 2E W.M.

Bearing and distance from section or subdivision corner

(3) PROPOSED USE: Domestic ☒ Industrial ☐ Municipal ☐ Irrigation ☐ Test Well ☐ Other ☐

(4) TYPE OF WORK: Owner's number of well (if more than one) .....
New well ☒ Method: Dug ☐ Bored ☐
Deepened ☐ Cable ☐ Driven ☐
Reconditioned ☐ AIR Rotary ☒ Jetted ☐

(5) DIMENSIONS: Diameter of well 8"X6" inches.
Drilled 186 ft. Depth of completed well 186 ft.

(6) CONSTRUCTION DETAILS:

Casing installed: 8 " Diam. from 0 ft. to 25 ft.
Threaded ☐ 6 " Diam. from 0 ft. to 78 ft.
Welded ☒ PVC 4 " Diam. from 6 ft. to 186 ft.

Perforations: Yes ☒ No ☐
Type of perforator used SAW
SIZE of perforations 1/8 in. by 1 1/2 in.
106 perforations from 106 ft. to 186 ft.
..... perforations from ..... ft. to ..... ft.
..... perforations from ..... ft. to ..... ft.

Screens: Yes ☐ No ☒
Manufacturer's Name .....
Type ..... Model No .....
Diam. ..... Slot size ..... from ..... ft. to ..... ft.
Diam. ..... Slot size ..... from ..... ft. to ..... ft.

Gravel packed: Yes ☐ No ☒ Size of gravel: .....
Gravel placed from ..... ft. to ..... ft.

Surface seal: Yes ☒ No ☐ To what depth? 20 ft.
Material used in seal BENTONITE + CEMENT
Did any strata contain unusable water? Yes ☐ No ☒
Type of water? ..... Depth of strata .....
Method of sealing strata off .....

(7) PUMP: Manufacturer's Name .....
Type: ..... H.P. .....

(8) WATER LEVELS: Land-surface elevation above mean sea level .... ft.
Static level 117 ft. below top of well Date 8-7-79
Artesian pressure ..... lbs. per square inch Date .....
Artesian water is controlled by ..... (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☒ No ☐ If yes, by whom? N. STOICAN
Yield: 5 gal./min. with 3 ft. drawdown after 8 hrs.
" 5 " 3 " 8 "
" 5 " 3 " 8 "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test JULY 30, 79 THRU 6-1979 CONTINUOUS
Bailer test ..... gal./min. with ..... ft. drawdown after ..... hrs.
Artesian flow ..... g.p.m. Date .....
Temperature of water ..... Was a chemical analysis made? Yes ☐ No ☐

(10) WELL LOG:

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation

MATERIAL	FROM	TO
BROWN SAND STONE,	0	
SOFT & WITH VOIDS		79
GRAY, HARD SAND STONE	79	99
GRAY SOFT SAND STONE	99	
WITH VOIDS & CAVITIES		140
GRAY SHALE	140	186

RECEIVED
SEP 14 1979
DEPT. OF ECOLOGY
OLYMPIA, WASH.

Work started 7-18- 19 79 Completed 8-7- 19 79

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME STOICAN DRILLING CO. INC.
(Person, firm, or corporation) (Type or print)

Address PORT ORCHARD, WA 98366

[Signed] N. Stoican
(Well Driller)

License No. 472 Date 8-20- 19 79

(USE ADDITIONAL SHEETS IF NECESSARY)

F. No. 7356—OS—(Rev. 4-71).

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

25/02-5H

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT

STATE OF WASHINGTON

Application No.

Permit No.

(1) **OWNER:** Name KRISTIN BERG Address 13901 SILVEN NE, BI, WASH.

(2) **LOCATION OF WELL:** County KITSAP NW¼ of SE¼ NE¼ Sec. 5 T. 25 N., R. 2E W.M.

Bearing and distance from section or subdivision corner

(3) **PROPOSED USE:** Domestic [X] Industrial [ ] Municipal [ ] Irrigation [ ] Test Well [ ] Other [ ]

(4) **TYPE OF WORK:** Owner's number of well (if more than one)

New well [X] Method: Dug [ ] Bored [ ]
Deepened [ ] Cable [X] Driven [ ]
Reconditioned [ ] Rotary [ ] Jetted [ ]

(5) **DIMENSIONS:** Diameter of well 6 inches.
Drilled 136 ft. Depth of completed well 136 ft.

(6) **CONSTRUCTION DETAILS:**

Casing installed:
Threaded [ ] ... " Diam. from ... ft. to ... ft.
Welded [X] 6 " Diam. from 0 ft. to 131 ft.

Perforations: Yes [ ] No [X]
Type of perforator used
SIZE of perforations ... in. by ... in.
... perforations from ... ft. to ... ft.
... perforations from ... ft. to ... ft.
... perforations from ... ft. to ... ft.

Screens: Yes [X] No [ ] Johnson
Manufacturer's Name
Type Stainless Model No.
Diam. ... Slot size ... from ... ft. to ... ft.
Diam. 6 Slot size 6 from 131 ft. to 136 ft.

Gravel packed: Yes [ ] No [X] Size of gravel
Gravel placed from ... ft. to ... ft.

Surface seal: Yes [X] No [ ] To what depth? 20 ft.
Material used in seal Bentonite
Did any strata contain unusable water? Yes [ ] No [X]
Type of water? ... Depth of strata
Method of sealing strata off

(7) **PUMP:** Manufacturer's Name Sta-Rite
Type: Jet H.P. ¾

(8) **WATER LEVELS:** Land-surface elevation above mean sea level ... ft.
Static level 33 ft. below top of well Date 5-17-85
Artesian pressure ... lbs. per square inch Date
Artesian water is controlled by (Cap, valve, etc.)

(9) **WELL TESTS:** Drawdown is amount water level is lowered below static level
Was a pump test made? Yes [X] No [ ] If yes, by whom? Driller
Yield: 12 gal./min. with 78 ft. drawdown after 4 hrs.
" " " " " "
" " " " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test
Bailer test 12 gal./min. with 77 ft. drawdown after 3 hrs.
Artesian flow ... g.p.m. Date
Temperature of water ... Was a chemical analysis made? Yes [ ] No [ ]

(10) **WELL LOG:**

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL		FROM	TO
Sandy loam	Brown	0	5
Hard pan	"	5	47
Hard pan	Gray	47	60
Lithe rocks	"	60	65
Hard pan	"	65	75
Clay-Silty	Blue	75	126
Silt-Sandy	"	126	128
Sand-Silty-Fine	"	128	136

Work started May 7 19 85 Completed May 17 19 85

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME CRABTREE DRILLING CO.
(Person, firm, or corporation) (Type or print)

Address 23349 EGLON RD. NE KINGSTON

[Signed] Jerry Crabtree
(Well Driller)

License No. 82 Date May 20, 1985

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

27/2-35 K

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT
STATE OF WASHINGTON

Application No. Intent #006764
Permit No.

(1) **OWNER:** Name KITSAP COUNTY PUD #1 Address PO Box 1989 POULSBO 98370

(2) **LOCATION OF WELL:** County KITSAP NW¼ SE¼ Sec. 35 T. 27 N., R. 2E W.M.
Bearing and distance from section or subdivision corner APPROX 2500' N AND 1400' W OF S.E. COR OF SEC 35

(3) **PROPOSED USE:** Domestic ☐ Industrial ☐ Municipal ☒
Irrigation ☐ Test Well ☐ Other ☐

(4) **TYPE OF WORK:** Owner's number of well (If more than one) SOUTH KINGSTON
New well ☒ Method: Dug ☐ Bored ☐
Deepened ☐ Cable ☒ Driven ☐
Reconditioned ☐ Rotary ☐ Jetted ☐

(5) **DIMENSIONS:** Diameter of well 10 inches.
Drilled 806 ft. Depth of completed well 895.5 ft.

(6) **CONSTRUCTION DETAILS:**
Casing installed: 16" Diam. from +25 ft. to 427 ft.
Threaded ☐ 12" Diam. from +1.5 ft. to 661 ft.
Welded ☒ 10" Diam. from +2.5 ft. to 747 ft.

Perforations: Yes ☐ No ☒
Type of perforator used
SIZE of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

Screens: Yes ☒ No ☐
Manufacturer's Name JOHNSON
Type STAINLESS Model No.
Diam. 10 T.S. Slot size 100 from 747.5 ft. to 754.9 ft.
Diam. 10 T.S. Slot size 100 from 764.9 ft. to 895.5 ft.

Gravel packed: Yes ☐ No ☒ Size of gravel:
Gravel placed from ft. to ft.

Surface seal: Yes ☒ No ☐ To what depth? 60 ft.
Material used in seal NEAT CEMENT GROUT
Did any strata contain unusable water? Yes ☐ No ☐
Type of water? Depth of strata
Method of sealing strata off

(7) **PUMP:** Manufacturer's Name N.A.
Type: H.P.

(8) **WATER LEVELS:** Land-surface elevation above mean sea level 122 ft.
Static level 98.4 ft. below top of well Date 4/20/89
Artesian pressure lbs. per square inch Date
Artesian water is controlled by (Cap, valve, etc.)

(9) **WELL TESTS:** Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☒ No ☐ If yes, by whom? RtN, INC
Yield: 1000 gal./min. with 20.1 ft. drawdown after 24 hrs.
" " " "
" " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level
0	118.5	21	110.8	180	105.6
2.5	113.1	60	108.5	3 DAYS	99.5
10	111.9	120	106.9		

Date of test
Bailer test gal./min. with ft. drawdown after hrs.
Artesian flow g.p.m. Date
Temperature of water 53°F Was a chemical analysis made? Yes ☒ No ☐

(10) **WELL LOG:**
Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL	FROM	TO
GRAY SILTY CLAY	0	760'
REFER TO LOG OF KINGSTON SOUTH TEST WELL		
	570½	584½
GRAY MEDIUM TO COARSE VERY SILTY SAND WITH SMALL GRAVEL (25%)		
GRAY SILT AND FINE SAND	584	598
GRAY FINE TO MEDIUM SILTY SAND, SOME COAL FLECKS	598	625
GRAY MEDIUM SAND, SOME COAL FLECKS	625	642
GRAY SAND AND GRAVEL WITH SILT LAYERS	642	646
GRAY SILT WITH SOME SAND AND FINE GRAVEL	646	690
GRAY SILTY FINE SAND AND SILT	690	704
GRAY MED TO VERY COARSE SILTY SAND WITH SMALL GRAVEL	704	733
GRAY MEDIUM SAND WITH SOME GRAVEL	733	738
GRAY SANDY SMALL GRAVEL, OCC 5" COBBLE, OCC. SILT LAYERS, >70% GVL	738	758
GRAY SAND AND GRAVEL AND SAND LAYERS	758	762
GRAY SANDY SMALL GRAVEL, >70% GRAVEL, SILT LAYERS, OCC COBBLE.	762	806

RECEIVED
MAY 5 1989
DEPARTMENT OF ECOLOGY
NORTHWEST REGION

Work started 12/12, 19 88 Completed 4/26, 19 89

WELL DRILLER'S STATEMENT:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME George Burt BURT WELL DRILLING, INC
(Person, firm, or corporation) (Type or print)

Address 19782 LINCOLN RD, N.E.
POULSBO, WA. 98370

[Signed]
(Well Driller)

License No. 0048 Date 5-4, 19 89

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

Bruner, Marian (ECY)

From: Marty Sebren [marty@kpud.org]
Sent: Tuesday, February 23, 2010 3:05 PM
To: Bruner, Marian (ECY)
Subject: Well Logs contact

To Whom It May Concern:

In the table below I have associated **well_log_id** with **well_tag_nr** for a number of older Kitsap PUD well logs where your system currently lacks the well_tag_nr. Please update your system with the **well_tag_nr** provided here.

well_log_id	well_tag_nr	well_depth_qt	well_diameter_qt	well_owner_nm
66900	AAA106	212	12	KITSAP COUNTY PUD
66901	AAC799	364	12	KITSAP COUNTY PUD #1
66902	AAA111	1030	6	KITSAP COUNTY PUD #1
66903	AAA110	402	8	KITSAP COUNTY PUD #1
66904	AAA012	805	10	KITSAP COUNTY PUD #1
66905	AAA014	338	12	KITSAP COUNTY PUD NO. 1
66910	AAC340	1070	6	KITSAP PUD #1
66912	ACK363	375	6	KITSAP PUD #1
66913	AAA102	466	6	KITSAP PUD #1
66914	AAA015	329	12	KITSAP PUD #1
66915	AAA710	330	22	KITSAP PUD NO. 1
66916	AAA013	335	16	KITSAP PUD NO. 1
278452	AAA707	809	16	KITSAP PUD NO. 1
69371	AAB416		8	PUD #1, KITSAP COUNTY
69372	AAB471	239	12	PUD NO 1 OF KITSAP COUNTY
69373	AAA717	587	8	PUD NO 1 OF KITSAP COUNTY
69374	AAB406	414	12	PUD NO. 1 OF KITSAP CO.
70898	AAA713	473	8	SUQUAMISH WELL NO. 2 (KPUD)

Martin B. Sebren, L.H.G.

Public Utility District No. 1 of Kitsap County

PO Box 1989

Poulsbo, WA 98370

Office: (360) 626-7722

Cell: (360) 265-6553

Fax: (360) 697-4197

e-mail: sebe@kpud.org

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

WASHINGTON STATE DEPARTMENT OF ECOLOGY

ENTERED 2/10/96 VCB

KPUD KINGSTON WELL 5

UNIQUE WELL I.D. NUMBER A A A 0 1 2 (X Y Z 1 2 3)

PARCEL 3527024019 2003

WELL TAGGING FORM

Date of Field Visit 2/18/92 12:33 By LRL

RECORD VERIFICATION

- ☑ Well Report available *(please attach)*
- ☐ Well Report not available
- ☐ Verification inconclusive

WELL OWNERSHIP

Name Kitsap County P.U.D. #1

Street address 1431 Finn Hill Road

City Poulsbo State WA 98370

LOCATION OF WELL

Well Address _____

City Kingston County Kitsap

T. 27 N. R. 02E W.M. Sec. 35K02 ¼ NW ¼ SE

GPS Location: Latitude 47° 47' ~~15~~ 13.75" N

GOOGLE EARTH 8/16/11 Longitude 122° 30' ~~47~~ 22.12" W

Elevation 120' feet/meters *(circle one)* LIDAR ≈ 130

- ☐ Digital Altimeter
- ☑ Topographic Map
- ☐ Other _____

If unable to verify location with GPS equipment:

- ☐ Location marked on topographic map *(please attach if available)*
- ☐ Location marked on air photo *(please attach if available)*

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

27-02-35K

File Original and First Copy with Department of Ecology
Second Copy—Owner's Copy
Third Copy—Driller's Copy

WATER WELL REPORT

STATE OF WASHINGTON

Start Card No. #003101

Water Right Permit No. _____

(1) **OWNER:** Name P.U.D. No. 1 of Kitsap County Address P.O. Box 1989 Poulsbo, WA 98370

(2) **LOCATION OF WELL:** County Kitsap NW ¼ of SE ¼ Sec 35 T. 27 N., R. 2E W.M.

(2a) **STREET ADDDRESS OF WELL** (or nearest address) _____

(3) **PROPOSED USE:** ☐ Domestic ☐ Industrial ☐ Municipal ☐ ☐ Irrigation ☒ Test Well ☐ Other ☐ ☐ DeWater

(4) **TYPE OF WORK:** Owner's number of well (if more than one) Kingston Site

Abandoned ☐ New well ☐ Method: Dug ☐ Bored ☐ Deepened ☒ Cable ☐ Driven ☐ Reconditioned ☐ Rotary ☒ Jetted ☐

(5) **DIMENSIONS:** Diameter of well 8 inches. Drilled 820 feet. Depth of completed well 859 ft.

(6) **CONSTRUCTION DETAILS:**

Casing installed: 8 " Diam. from +1.5 ft. to 864.5 ft.
Welded ☒ _____ " Diam. from _____ ft. to _____ ft.
Liner installed ☐
Threaded ☐ _____ " Diam. from _____ ft. to _____ ft.

Perforations: Yes ☒ No ☐
Type of perforator used air rotary
SIZE of perforations .1 in. by 1 in.
1600 perforations from 725 ft. to 750 ft.
2900 perforations from 800 ft. to 845 ft.
_____ perforations from _____ ft. to _____ ft.

Screens: Yes ☐ No ☒
Manufacturer's Name _____
Type _____ Model No. _____
Diam. _____ Slot size _____ from _____ ft. to _____ ft.
Diam. _____ Slot size _____ from _____ ft. to _____ ft.

Gravel packed: Yes ☐ No ☒ Size of gravel _____
Gravel placed from _____ ft. to _____ ft.

Surface seal: Yes ☐ No ☐ To what depth? pre-existing ft.
Material used in seal _____
Did any strata contain unusable water? Yes ☐ No ☐
Type of water? _____ Depth of strata _____
Method of sealing strata off _____

(7) **PUMP:** Manufacturer's Name _____
Type: _____ H.P. _____

(8) **WATER LEVELS:** Land-surface elevation above mean sea level approx. 120 ft.
Static level 97 ft. below top of well Date 9/1/88
Artesian pressure _____ lbs. per square inch Date _____
Artesian water is controlled by _____ (Cap, valve, etc.)

(9) **WELL TESTS:** Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☒ No ☐ If yes, by whom? SEI-R&N
Yield: 240 gal./min. with 33 ft. drawdown after 1 hrs.
" 240 " 38 " 8 "
" 240 " 40 " 24 "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level
1 min.	109				
10 min.	108				
76 min.	106.5				

Date of test 9/1-2/88

Bailer test _____ gal./min. with _____ ft. drawdown after _____ hrs.
Airtest _____ gal./min. with stem set at _____ ft. for _____ hrs.
Artesian flow _____ g.p.m. Date _____
Temperature of water _____ Was a chemical analysis made? Yes ☐ No ☐

(10) **WELL LOG or ABANDONMENT PROCEDURE DESCRIPTION**

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of information.

MATERIAL	FROM	TO
See Attached Sheet		
Existing well was reported drilled by Armstrong to 400' with 10" casing from +1 to 400'.		
Borehole below 859 was backfilled with pea gravel, bentonite and drill mud.		

RECEIVED
OCT 03 1988
DEPARTMENT OF ECOLOGY
NORTHWEST REGION

Work started 7/13 19 88 Completed 9/23 19 88

WELL CONSTRUCTOR CERTIFICATION:

I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

NAME Schneider Equipment, Inc. (PERSON, FIRM, OR CORPORATION) (TYPE OR PRINT)
Address 21881 River Road, N.E. St. Paul, Oregon 97137
(Signed) Stephen Schneider (WELL DRILLER) License No. 0643
Contractor's Registration No. SCNEI*226LG Date 9/26 19 88

(USE ADDITIONAL SHEETS IF NECESSARY)

SEI 8829

ECY 050-1-20 (10/87) -1329-

The Dep The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

Kitsap County PUD No. 1
Kingston Site Test Well
SC #003101
Drilling in 1988 by Schneider Equipment, Inc.

From	To	Description
400	470	Clay, grey, soft, (occ. hard)
470	501	Clay, grey, soft, some wood
501	513	Sand, coarse & gravel, pea, multicolored
513	518	Clay, grey, soft w/wood
518	560	Sand, coarse & gravel, pea
560	586	Sand, med-crse, some pea grvl, some clay
586	591	Clay, grey, soft
591	601	Sand, med, multicolored, some clay layers
601	644	Sand, med, multicolored
644	651	Gravel, 4"- & sand, crse, loose
651	681	Clay, grey, med, some crse sand layers
681	698	Clay, grey, soft
698	704	Clay, sandy, grey w/wood
704	723	Sand, med-crse, multicolored w/wood
723	730	Sand, med-crse & gravel
730	746	Sand, med-crse, some pea gravel
746	757	Sand, med-crse & occ. clay layers
757	771	Clay, grey, soft
771	781	Clay, grey, soft, some gravel
781	790	Clay, grey
790	840	Sand, coarse & gravel, 2"-
840	860	Gravel, 3"- & sand, coarse
860	914	Clay, blue-grey, sticky
914	922	Clay, blue with claystone
922	940	Siltstone, blue-grey
940	985	Siltstone with grey clay
985	1074	Clay, grey, sticky w/claystone & occ. rock
1074	1085	Clay, grey, gritty & some sand
1085	1162	Clay, grey
1162	1165	Sand, med
1165	1172	Clay, grey
1172	1220	Sand, med & clay

SJM/tmb
L0526.KWL

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

WASHINGTON STATE DEPARTMENT OF ECOLOGY

ENTERED 1/15/96 edited

KPUD KINGSTON TEST WELL 1 (OBS WELL)

UNIQUE WELL I.D. NUMBER A A A 0 1 1
X Y Z 1 2 3

PARCEL 352702401920003

WELL TAGGING FORM

Date of Field Visit 2/18/92 By JRL

RECORD VERIFICATION

- ☑ Well Report available *(please attach)*
- ☐ Well Report not available
- ☐ Verification inconclusive

WELL OWNERSHIP

Name KPUD #1

Street address 1431 Finn Hill Rd.

City Poulsbo State WA 98370

Is this information: ☐ Current, to the best of your knowledge
☐ Copied from the *Well Report*

LOCATION OF WELL

Well Address Hillbend Ln.

City Kingston County Kitsap

T. 27 N. R. 02E W.M. Sec. 35K NW ¼ of the SE ¼

GPS Location: Latitude 47° 47. ~~15~~ 13.96" N

Google Earth 8/16/11

Longitude 122° 30. ~~17~~ 22.05" W

130 LiDAR 8/16/11

Elevation at land surface 120' (feet) meters *(circle one)*

- ☐ Digital Altimeter
- ☑ Topographic Map
- ☐ Other

If unable to verify location with GPS equipment:

- ☑ Location marked on topographic map *(please attach if available)*
- ☐ Location marked on air photo *(please attach if available)*

Please attach this form to the Well Report and submit it to the Department of Ecology Regional Office in your area.

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

AAA011 27/2E-35K

ROBINSON & NOBLE, INCORPORATED
GROUND WATER & ENVIRONMENTAL GEOLOGISTS
5315 CROJ-APO STREET WEST
TACOMA, WASHINGTON 98467
(206) 475-7711

June 14, 1988

KITSAP COUNTY PUBLIC UTILITY DISTRICT
PO Box 1989
Poulsbo, WA 98370

Attn: Ted Wright

Subject: Progress at Kingston Test Well

Dear Mr. Wright:

Armstrong Drilling has demobbed from the Kingston Site after placing 10-inch casing to 400 feet below land surface with open hole to 403 feet. Drilling was completed on May 31. A surface seal of bentonite and puddling clay was made on June 2.

The cable-tool drilling did not encounter any water-bearing zones, except a three feet thick layer of water-bearing silty gravel. The geologic log for the well is as follows:

Feet	Formation
0-6	Silty brown topsoil
6-150	Dark gray to black silt to clayey silt with occasional peat and brown laminations downward
150-175	Greenish gray to gray clayey silt to silt with occasional brown laminae and sandy laminae, rare gravel and peat
175-185	Gray silty clay to clayey silt
185-223	Gray silt

AAA011

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

AAA011

X

223-246	Gray silt interlayered with gray very fine to medium sand, occasionally peaty
246-249	Gray gravel in a silt matrix
249-252	Silty gray gravel, water
252-255	Gray gravel in a silt matrix
255-292	Gray clay
292-312	Gray silt with minor gravel
~312-326	Gray clay
~326-403	Gray clayey silt to silt, with minor gravel

With no useable water-bearing zones encountered, the cable tool drilling was stopped and the recommendation to continue with mud rotary drilling was made. With the cable tool rig gone, the well is now available for rotary rig mobilization.

If you have any questions concerning the cable tool portion of the well, pleas don't hesitate to contact us.

Sincerely,

ROBINSON & NOBLE, INC.

Joseph E. Becker

Joseph E. Becker

AAA011

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

AAA011
27/2E-35K

Kitsap County PUD No. 1
Kingston Site Test Well
SC #003101
Drilling in 1988 by Schneider Equipment, Inc.

From	To	Description
400	470	Clay, grey, soft, (occ. hard)
470	501	Clay, grey, soft, some wood
501	513	Sand, coarse & gravel, pea, multicolored
513	518	Clay, grey, soft w/wood
518	560	Sand, coarse & gravel, pea
560	586	Sand, med-crse, some pea grvl, some clay
586	591	Clay, grey, soft
591	601	Sand, med, multicolored, some clay layers
601	644	Sand, med, multicolored
644	651	Gravel, 4"- & sand, crse, loose
651	681	Clay, grey, med, some crse sand layers
681	698	Clay, grey, soft
698	704	Clay, sandy, grey w/wood
704	723	Sand, med-crse, multicolored w/wood
723	730	Sand, med-crse & gravel
730	746	Sand, med-crse, some pea gravel
746	757	Sand, med-crse & occ. clay layers
757	771	Clay, grey, soft
771	781	Clay, grey, soft, some gravel
781	790	Clay, grey
790	840	Sand, coarse & gravel, 2"-
840	860	Gravel, 3"- & sand, coarse
860	914	Clay, blue-grey, sticky
914	922	Clay, blue with claystone
922	940	Siltstone, blue-grey
940	985	Siltstone with grey clay
985	1074	Clay, grey, sticky w/claystone & occ. rock
1074	1085	Clay, grey, gritty & some sand
1085	1162	Clay, grey
1162	1165	Sand, med
1165	1172	Clay, grey
1172	1220	Sand, med & clay

SJM/tmb
L0526.KWL

AAA011

File Original and First Copy with Department of Ecology
Second Copy—Owner's Copy
Third Copy—Driller's Copy

WATER WELL REPORT

STATE OF WASHINGTON

Start Card No. 078862

Water Right Permit No. 25/2/200

(1) OWNER: Name KITAMOTO Address 6099 BATTLE PT. RD. BAIN. IS.

(2) LOCATION OF WELL: County KITSAP NE ¼ NE ¼ Sec 20 T. 25 N., R. 2E W.M.

(2a) STREET ADDDRESS OF WELL (or nearest address) SAME

(3) PROPOSED USE: [X] Domestic [ ] Industrial [ ] Municipal [ ] Irrigation [ ] Test Well [ ] Other [ ] DeWater

(4) TYPE OF WORK: Owner's number of well (If more than one) ____
Abandoned [ ] New well [X] Method: Dug [ ] Bored [ ] Deepened [ ] Cable [X] Driven [ ] Reconditioned [ ] Rotary [ ] Jetted [ ]

(5) DIMENSIONS: Diameter of well 6 inches. Drilled 36 feet. Depth of completed well 36 ft.

(6) CONSTRUCTION DETAILS:
Casing Installed: [X] Welded [ ] Liner installed [ ] Threaded — 6 " Diam. from 0 ft. to 31 ft.
" Diam. from ____ ft. to ____ ft.
" Diam. from ____ ft. to ____ ft.

Perforations: Yes [ ] No [X]
Type of perforator used ____
SIZE of perforations ____ in. by ____ in.
____ perforations from ____ ft. to ____ ft.
____ perforations from ____ ft. to ____ ft.
____ perforations from ____ ft. to ____ ft.

Screens: Yes [X] No [ ]
Manufacturer's Name JOHNSON
Type STAINLESS Model No ____
Diam 6 Slot size 12 from 31 ft. to 36 ft.
Diam. ____ Slot size ____ from ____ ft. to ____ ft.

Gravel packed: Yes [ ] No [X] Size of gravel ____
Gravel placed from ____ ft. to ____ ft.

Surface seal: Yes [X] No [ ] To what depth? 20 ft.
Material used in seal BENTONITE
Did any strata contain unusable water? Yes [ ] No [ ]
Type of water? ____ Depth of strata ____
Method of sealing strata off ____

(7) PUMP: Manufacturer's Name GOULDS
Type: SUB. H.P. 1/2

(8) WATER LEVELS: Land-surface elevation above mean sea level ____ ft.
Static level 13 ft. below top of well Date 4/92
Artesian pressure ____ lbs. per square inch Date ____
Artesian water is controlled by ____ (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes [X] No [ ] If yes, by whom? ____
Yield: 3 gal./min. with 13 ft. drawdown after 4 days hrs.
" " " "
" " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level
RECOVERY TIME TO STATIC APPROX. 1 HR.					

Date of test ____
Bailer test 3 gal./min. with 13 ft. drawdown after ____ hrs.
Airtest ____ gal./min. with stem set at ____ ft. for ____ hrs.
Artesian flow ____ g.p.m. Date ____
Temperature of water ____ Was a chemical analysis made? Yes [X] No [ ]

(10) WELL LOG or ABANDONMENT PROCEDURE DESCRIPTION

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of information.

MATERIAL	FROM	TO
BRN. HARDPAN	1	22
BLUE "	22	32
BLUE SAND. GRVL. H2O	32	36
" " " CLAY	36	

RECEIVED
JUN 15 1992
DEPT. OF ECOLOGY

Work started 4/92 19 Completed 4/92 19

WELL CONSTRUCTOR CERTIFICATION:
I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

NAME MATHEWS well DRLG. (PERSON, FIRM, OR CORPORATION) (TYPE OR PRINT)
Address 8500 NE. CITY. PIC. RD.
(Signed) Jon C. Mathews (WELL DRILLER) License No. 1137
Contractor's Registration No. MATHEWD172Q3 Date 4/92, 19

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20 (10-87) -1329

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

25-2E-20L

WATER WELL REPORT

Original & 1st copy - Ecology, 2nd copy - owner, 3rd copy - driller

Construction/Decommission ("x" in circle) 139651
- [X] Construction
- [ ] Decommission *ORIGINAL CONSTRUCTION Notice of Intent Number*_____

CURRENT Notice of Intent No. W168677

Unique Ecology Well ID Tag No. AHB475

Water Right Permit No. _____

Property Owner Name KITSAP TRIDENT HOMES

Well Street Address FLETCHER LANDING ROAD

City BAINBRIDGE ISLAND County: KITSAP

Location NE 1/4- 1/4 SW 1/4 Sec 20 Twn 25 R 2E EWM or WWM *circle one*

Lat/Long: (s,t,r still REQUIRED) Lat Deg _____ Lat Min/Sec _____ Long Deg _____ Long Min/Sec _____

Tax Parcel No. **41920000150102 & 41920000160002

PROPOSED USE: [X] Domestic [ ] Industrial [ ] Municipal [ ] DeWater [ ] Irrigation [ ] Test Well [ ] Other_____

TYPE OF WORK: Owner's number of well (if more than one)_____

[X] New Well [ ] Reconditioned *Method* [ ] Dug [ ] Bored [ ] Driven [ ] Deepened [X] Cable [ ] Rotary [ ] Jetted

DIMENSIONS: Diameter of well 6 inches, drilled 73 ft. Depth of completed well 73 ft.

CONSTRUCTION DETAILS

Casing Installed: [X] Welded 6" Diam from +1 ft to 67'9" ft
[ ] Liner installed _____" Diam from _____ ft to _____ ft
[ ] Threaded _____" Diam from _____ ft to _____ ft

Perforations: [ ] Yes [X] No
Type of perforator used_____
SIZE of perfs____in by____in and no of perfs____ from____ft to____ft

Screens: [X] Yes [ ] No [X] K-Pac Location TOP
Manufacturer's Name JOHNSON
Type STAINLESS STEEL Model No _____
Diam 6 Slot Size 12 from 68 ft to 73 ft
Diam _____ Slot Size _____ from _____ ft to _____ ft

Gravel/Filter packed: [ ] Yes [X] No [ ] Size of gravel/sand_____
Materials placed from_____ft to_____ft

Surface Seal: [X] Yes [ ] No To what depth? 18 ft
Materials used in seal BENTONITE
Did any strata contain unusable water? [ ] Yes [X] No
Type of water?_____ Depth of strata_____
Method of sealing strata off_____

PUMP: Manufacturer's Name GOULDS
Type SUBMERSIBLE 10LS07 HP 3/4

WATER LEVELS: Land-surface elevation above mean sea level_____ft.
Static level 55.4 ft below top of well Date 7/07/03
Artesian pressure_____lbs per square inch Date_____
Artesian water is controlled by_____ (cap,valve, etc.)

WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? [X] Yes [ ] No If yes, by whom? GRESHAM
Yield 16 gal/min. with .7 ft drawdown after 1+ hrs
Yield _____ gal/min with _____ ft drawdown after _____ hrs.
Yield _____ gal/min with _____ ft drawdown after _____ hrs

Recovery data (time taken as zero when pump turned off)(water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level
FULL RECOV. IN 30 SEC.					

Date of test 7/07/03
Bailer test 20+ gal/min with 1 ft drawdown after 1 hrs
Airtest _____ gal/min with stem set at _____ ft for _____ hrs
Artesian flow_____ g p m Date_____
Temperature of water____ Was a chemical analysis made? [X] Yes [ ] No

CONSTRUCTION OR DECOMMISSION PROCEDURE

Formation Describe by color, character, size of material and structure, and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of information Indicate all water encountered (USE ADDITIONAL SHEETS IF NECESSARY)

MATERIAL	FROM	TO
OVERBURDEN	0	1
BROWN GRAVELLY HARDPAN	1	11
BROWN SAND, HARDPAN	11	39
BROWN SILTY SAND & GRAVEL	39	47
BROWN GRAVELLY HARDPAN	47	55
BROWN SILTY SAND & GRAVEL	55	62
BROWN SILTY SAND & GRAVEL,H2O	62	72
BROWN GRAVELLY HARDPAN	72	73

RECEIVED
OCT 09 2003
DEPT OF ECOLOGY

Start Date 6/30/03 Completed Date 7/02/03

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

[X] Driller [ ] Engineer [ ] Trainee Name (Print) CRAIG A GRESHAM

Driller/Engineer/Trainee Signature _____

Driller or Trainee License No. 0761

Drilling Company GRESHAM WELL DRILLING INC

Address P.O. BOX 1600

City, State, Zip POULSBO, WA 98370-0195

Contractor's Registration No. GRESHWD055BC Date 7/09/03

If trainee, licensed driller's Signature and License no. _____

Ecology is an Equal Opportunity Employer ECY 050-1-20 (Rev 4/01)

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT

STATE OF WASHINGTON

24/1-1A

Application No. .....

Permit No. .....

(1) OWNER: Name Kitsap Unitarian Fellowship Address 4418 Perry Ave. Bremerton, Wash

(2) LOCATION OF WELL: County Kitsap — NE ¼ NE ¼ Sec. 1 T. 24 N., R. 1 E W.M.

Bearing and distance from section or subdivision corner

(3) PROPOSED USE: Domestic [X] Industrial [ ] Municipal [ ]
Irrigation [ ] Test Well [ ] Other [ ]

(4) TYPE OF WORK: Owner's number of well (if more than one) ....
New well [X] Method: Dug [ ] Bored [ ]
Deepened [ ] Cable [X] Driven [ ]
Reconditioned [ ] Rotary [ ] Jetted [ ]

(5) DIMENSIONS: Diameter of well 6 inches.
Drilled 478 ft. Depth of completed well 478 ft.

(6) CONSTRUCTION DETAILS:

Casing installed: ..." Diam. from .... ft. to .... ft.
Threaded [ ] 6 " Diam. from 472 ft. to 478 ft.
Welded [X] ..." Diam. from .... ft. to .... ft.

Perforations: Yes [ ] No [X]
Type of perforator used ....
SIZE of perforations .... in. by .... in.
.... perforations from .... ft. to .... ft.
.... perforations from .... ft. to .... ft.
.... perforations from .... ft. to .... ft.

Screens: Yes [X] No [ ]
Manufacturer's Name Cook
Type Stainless Model No. ....
Diam. .... Slot size .... from .... ft. to .... ft.
Diam. 6 Slot size 10 from 472 ft. to 478 ft.

Gravel packed: Yes [ ] No [X] Size of gravel: ....
Gravel placed from .... ft. to .... ft.

Surface seal: Yes [X] No [ ] To what depth? 20 ft.
Material used in seal Bentonite
Did any strata contain unusable water? Yes [ ] No [X]
Type of water? .... Depth of strata ....
Method of sealing strata off ....

(7) PUMP: Manufacturer's Name Ita-Gate
Type: Turbine H.P. 1½

(8) WATER LEVELS: Land-surface elevation above mean sea level .... 300 ft.
Static level 153 ft. below top of well Date 2-20-84
Artesian pressure .... lbs. per square inch Date ....
Artesian water is controlled by .... (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes [X] No [ ] If yes, by whom? Driller
Yield: 14½ gal./min. with 19 ft. drawdown after 4 hrs.

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test 2-20
Bailer test 36 gal./min. with 49 ft. drawdown after 4 hrs.
Artesian flow .... g.p.m. Date ....
Temperature of water .... Was a chemical analysis made? Yes [ ] No [X]

(10) WELL LOG:

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL		FROM	TO
Sandy loam	Brown	0	1
Sand	"	1	16
Clay - sandy	"	16	35
Hard pan	"	35	46
Gravel - Cemented	Gray	46	50
Sand & gravel - cemented	"	50	70
Hard pan	"	70	75
Hard pan	Brown	75	85
Hard pan - sandy	"	85	90
Clay - sandy	"	90	102
Sand - Gray	"	102	104
Clay - sandy	"	104	115
Silt	"	115	135
Silt	Gray	135	150
Clay - silty	"	150	230
Clay	"	230	250
Clay	Blue	250	295
Clay - silty	Gray	295	305
Silt & sand	"	305	340
Clay	"	340	412
Clay - Hard	"	412	425
Clay & fine sand	"	425	460
Clay & sand	"	460	468
Sand & silt	"	468	471
Sand 10 slot	"	471	478

RECEIVED
AUG 1 1984
DEPARTMENT OF ECOLOGY
NORTHWEST REGION

Work started Jan. 13, 1984 Completed Feb. 20, 1984

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME CRABTREE DRILLING CO.
(Person, firm, or corporation) (Type or print)

Address 33349 EGLON RD. NE. KINGSTON

[Signed] Jerry Crabtree
(Well Driller)

License No. 82 Date Feb. 21, 1984

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

24/2 ---- 36

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT
STATE OF WASHINGTON

Application No. .....
Permit No. .....

(1) OWNER: Name Karl Kasperson Address .....

(2) LOCATION OF WELL: County Kitsap SW [redacted] ¼ NE ¼ Sec. 3 T. 24 N., R. 2E W.M.

Bearing and distance from section or subdivision corner

(3) PROPOSED USE: Domestic [X] Industrial [ ] Municipal [ ]
Irrigation [ ] Test Well [ ] Other [ ]

(4) TYPE OF WORK: Owner's number of well (if more than one) 1
New well [X] Method: Dug [ ] Bored [ ]
Deepened [ ] Cable [X] Driven [ ]
Reconditioned [ ] Rotary [ ] Jetted [ ]

(5) DIMENSIONS: Diameter of well 6 inches.
Drilled 117 ft. Depth of completed well 117 ft.

(6) CONSTRUCTION DETAILS:
Casing installed: 6 " Diam. from 0 ft. to 113 ft.
Threaded [ ] " Diam. from ..... ft. to ..... ft.
Welded [X] " Diam. from ..... ft. to ..... ft.

Perforations: Yes [ ] No [X]
Type of perforator used .....
SIZE of perforations ..... in. by ..... in.
..... perforations from ..... ft. to ..... ft.
..... perforations from ..... ft. to ..... ft.
..... perforations from ..... ft. to ..... ft.

Screens: Yes [X] No [ ] Johnson 7"9½ K Factor
Manufacturer's Name .....
Type Super Model No. .....
Diam. 5 Slot size 10 from 112 9 ft. to 117 9 ft.
Diam. ..... Slot size ..... from ..... ft. to ..... ft.

Gravel packed: Yes [ ] No [X] Size of gravel: .....
Gravel placed from ..... ft. to ..... ft.

Surface seal: Yes [X] No [ ] To what depth? 18 ft.
Material used in seal Bentonite
Did any strata contain unusable water? Yes [ ] No [X]
Type of water? ..... Depth of strata .....
Method of sealing strata off .....

(7) PUMP: Manufacturer's Name Star Rite
Type: Series 8 230 volt H.P. ½

(8) WATER LEVELS: Land-surface elevation above mean sea level .... ft.
Static level 75 ft. below top of well Date 8-10-82
Artesian pressure ..... lbs. per square inch Date .....
Artesian water is controlled by ..... (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes [ ] No [ ] If yes, by whom? .....
Yield: ..... gal./min. with ..... ft. drawdown after ..... hrs.
" " " "
" " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test 8-6-82
Bailer test 5 gal./min. with 25 ft. drawdown after 2 hrs.
Artesian flow ..... g.p.m. Date .....
Temperature of water ..... Was a chemical analysis made? Yes [ ] No [X]

(10) WELL LOG:

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL	FROM	TO
Brn Hard pan	0	77
grey sand hard pan 5gal water	77	104
Blue clay & gravel	104	107
Brn hard pan	107	114
Sand lens with water	114	114 1"
grey hardpan	114 1"	118

Work started 7-27, 19 82 Completed 8-10, 19 82

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME Puget Sound Well Drilling
(Person, firm, or corporation) (Type or print)
Address 18365 Diamond Dr. Poulsbo WN
[Signed] Donald D. Duckworth
(Well Driller)
License No. 1147 Date 8-11-, 19 82

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

The Department of Ecology does NOT Warranty the Data and/or the Information on this Web Report.

ENTERED

25/2/28A

File: Orig. & First Copy - Dept of Ecology
Second Copy - Owner; Third Copy - Driller

WATER WELL REPORT
State of Washington

Start Card No. 18232
Unique Well ID ABE027
Water Right Permit No.

(1) OWNER: Name KEN LANE Address 6732 16TH AVE NW SEATTLE WA 98117 Page 1 of
(2) LOCATION OF WELL: County KITSAP NE 1/4 NE 1/4 Sec 28 T 25 N R 2 E
(2a) STREET ADDRESS OF WELL (or nearest address) HIGH SCHOOL RD B.I. WA 98110

(3) PROPOSED USE: DOMESTIC Owner Well ID
(4) Type of work: NEW WELL
Method: CABLE

(5) DIMENSIONS: Diameter of well 6 inches.
Drilled 146 feet. Depth of completed well 146 ft.

(6) CONSTRUCTION DETAILS:
Casing instld. 6 " Diam. from 0 ft. to 141 ft.
Welded X " Diam. from ft. to ft.
Liner _ " Diam. from ft. to ft.
Threaded _

Perforations: Yes _ No X
Type of perforator used
Size of perforations in. by in.
perforations from ft. to in.
perforations from ft. to in.
perforations from ft. to in.

Screens: Yes X No _
Manufacturer's Name JOHNSON
Type STAINLESS Model No
Diam 6 Slot size 6 from 141 ft. to 146 ft.
Diam Slot size from ft. to ft.

Gravel packed: Yes _ No X Size of gravel
Gravel placed from ft. to ft.

Surface seal: Yes X No _ To what depth? 20 ft.
Material used in seal BENTONITE
Did any strata contain unusable water? Yes _ No X
Type of water? Depth of strata
Method of sealing strata off

(7) PUMP: Manufacturer's Name GRUNDFOS
Type SUBMERSIBLE H.P. 1

(8) WATER LEVELS: Surface elev above mean sea level 140 ft.
Static level 66-9 ft. below top of well Date 06/14/94
Artesian pressure lbs. per sq. in. Date
Artesian pressure is controlled by

(9) WELL TESTS: Pump test made? YES By whom? DRILLER
Yield 13.6 gal./min. with 22 ft. drawdown after 4 hrs
Yield 0 gal./min. with ft. drawdown after hrs
Yield 0 gal./min. with ft. drawdown after hrs
Recovery data:

Time	Wtr. Lvl.	Time	Wtr. Lvl.	Time	Wtr. Lvl.
3:30	82-9	3:31	76	3:32	72
3:33	70	3:34	69-2	3:35	68-6
3:40	67-7				

Date of test 06/14/94
Bailer test 15 gal/min with 20 ft. drawdown after 3 hr
Airtest 0 gal/min with stem set at ft. for hrs
Artesian flow 0 gal/min Date
Temperature of water Was chemical analysis made? YES

(10) WELL LOG or DECOMMISSIONING PROCEDURE DESCRIPTION

Material		From	To
TOPSOIL		0	1
SAND & GRAVEL CEMENTED	BROWN	1	27
TILL TIGHT	BROWN	27	77
SAND CEMENTED	BROWN	77	95
SAND & GRAVEL CEMENTED	GRAY	95	114
SAND DIRTY	BROWN	114	134
SAND W/ CLAY CHUNKS	BROWN	134	135
SAND	BROWN	135	145
SAND DIRTY TIGHT	BROWN	145	

RECEIVED
JUN 28 1994
Dept. of Ecology

Work Started 06/06/94 Completed 06/14/94

WELL CONSTRUCTOR CERTIFICATION:
I constructed and/or accept responsibility for construction this well, and its compliance with all Washington well construction standards. Materials used and the information report above are true to my best knowledge and belief.
Name CRABTREE DRILLING CO.
Address 33349 Eglon Road NE Kingston WA 98346

(Signed) Jerry Crabtree License No. 82
(Well Driller)
Contractor's Registration No. 09702 Date 06/21/

Based on form BCL 050-1-20 (2/93)**f-1329- by Speed Systems Co

26/2E/28M

File Original and First Copy with Department of Ecology

Second Copy - Owner's Copy
Third Copy - Driller's Copy

WATER WELL REPORT
STATE OF WASHINGTON

Start Card No. W 39267/3
UNIQUE WELL I.D. # AAG 200
Water Right Permit No._____

(1) OWNER: Name: KAREN REITAN Address 6666 REITAN RD. N.E., BAINBRIDGE ISLAND, WA

(2)LOCATION OF WELL: KITSAP COUNTY NW 1/4, SW 1/4, SEC 28, T 26 N., R 2E W.M.

(2a) STREET ADDRESS OF WELL (or nearest address) SAME AS ADDRESS ABOVE

(3) PROPOSED USE: ■ Domestic ☐ Test Well ☐ Irrigation ☐ Municipal ☐ Industrial ☐ Dewater ☐ Other

(4) TYPE OF WORK: Owner's number of well (if more than one)
Abandoned ☐ New Well ■ Method: Dug ☐ Bored ☐ Deepened ☐ Cable ■ Driven ☐ Reconditioned ☐ Rotary ☐ Jetted ☐

(5)DIMENSIONS: Diameter of well 6" inches.
Drilled 136 ft. Depth of completed well 136 ft.

(6) CONSTRUCTION DETAILS:
Casing Installed 6" Diam. from 0 ft to 131 ft.
Welded ■ Diam. from ft to ft.
Liner Installed ☐ Diam. from ft to ft.
Threaded ☐ Diam. from ft to ft.

Perforations: Yes ☐ No ■
Type of perforator used:
Size of perforation in. by in.
perforations from ft to ft.
perforations from ft to ft.

Screens: Yes ■ No ☐
Manufacturer's name: JOHNSON
Type: TELESCOPING Model No.
Diam 6" Slot size .008 from 131 ft to 136 ft.
Diam Slot size from ft to ft.

Gravel Packed: Yes ☐ No ■ Size of Gravel:
Gravel placed from ft to ft.

Surface Seal: Yes ■ No ☐ To what depth?: 18 Ft.
Material used in seal: BENTONITE
Did any strata contain unusable water?: Yes ☐ No ■
Type of water: Depth of strata:
Method of sealing strata:

(7) PUMP: Manufacturer's name: GRUNDFOS
Type: SUB. HP: 3/4

(8) WATER LEVELS: Land-surface elevation above mean sea-level 100'
Static level: 65 ft. below top of well Date 9-22-93
Artesian pressure lbs / sq. in. Date
Artesian water is controlled by

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made?: Yes ☐ No ■
If yes by whom?
Yeild GPM with ft drawdown after hrs.
Yeild GPM with ft drawdown after hrs.
Recovery data (time taken as zero when pump turned off)(water level measured from well top to water level)

Time	Water level	Time	Water level	Time	Water level

Date of test:
Bailer test: 8 GPM with 41 ft drawdown after 4 hrs.
Air test: GPM with stem set at ft for hrs.
Artesian flow: GPM Date:
Temperature of water Was chemical analysis made? Yes ☐ No ■

(10) WELL LOG or ABANDONMENT PROCEDURE DESCRIPTION

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of information.

MATERIAL	FROM	TO
BROWN SAND W/BOULDERS	0'	13'
BROWN SANDY HARDPAN	13'	27'
BROWN GRAVELLY CLAY	27'	62'
GRAY SAND W/B	62'	68'
GRAY GRAVELLY CLAY	68'	85'
GRAY SANDY CLAY	85'	118'
BLUE SAND W/CLAY SEAMS W/B	118'	126'
BLUE SAND & GRAVEL W/B	126'	?

RECEIVED
NOV 04 1993
DEPT. OF ECOLOGY

Work started: 9/06/93 (date) Completed: 9/22/93 (date)

WELL CONSTRUCTOR CERTIFICATION:

I constructed and / or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

NAME LOFALL WELL DRILLING

ADDRESS 180 N.W. LOFALL RD., POULSBO, WA. 98370

SIGNED _____ (Well Driller) Licence No 2075

Contractor's Registration☐ No. LOFALWD124** Date 10-18-93

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

File Original and First Copy with Department of Ecology

Second Copy - Owner's Copy
Third Copy - Driller's Copy

11545

WATER WELL REPORT
STATE OF WASHINGTON

Start Card No. W 39267
UNIQUE WELL I.D. # AAG 200
Water Right Permit No._____

(1) OWNER: Name: KAREN REITAN Address 6666 REITAN RD. N.E., BAINBRIDGE ISLAND, WA

(2)LOCATION OF WELL: KITSAP COUNTY NW 1/4, SW 1/4, SEC 28, T 26 N., R 2E W.M.

(2a) STREET ADDRESS OF WELL (or nearest address) SAME AS ADDRESS ABOVE

(3) PROPOSED USE: ■ Domestic ☐ Test Well ☐ Irrigation ☐ Municipal ☐ Industrial ☐ Dewater ☐ Other

(4) TYPE OF WORK: Owner's number of well (if more than one)
Abandoned ☐ New Well ■ Method: Dug ☐ Bored ☐
Deepened ☐ Cable ■ Driven ☐
Reconditioned ☐ Rotary ☐ Jetted ☐

(5)DIMENSIONS: Diameter of well 6" inches.
Drilled 136 ft. Depth of completed well 136 ft.

(6) CONSTRUCTION DETAILS:
Casing Installed 6" Diam. from 0 ft to 131 ft.
Welded ■ Diam. from ft to ft.
Liner Installed ☐ Diam. from ft to ft.
Threaded ☐ Diam. from ft to ft.

Perforations: Yes ☐ No ■
Type of perforator used:
Size of perforation in. by in.
perforations from ft to ft.
perforations from ft to ft.

Screens: Yes ■ No ☐
Manufacturer's name: JOHNSON
Type: TELESCOPING Model No.
Diam 6" Slot size .008 from 131 ft to 136 ft.
Diam Slot size from ft to ft.

Gravel Packed: Yes ☐ No ■ Size of Gravel:
Gravel placed from ft to ft.

Surface Seal: Yes ■ No ☐ To what depth?: 18 Ft.
Material used in seal: BENTONITE
Did any strata contain unusable water?: Yes ☐ No ■
Type of water: Depth of strata:
Method of sealing strata:

(7) PUMP: Manufacturer's name: GRUNDFOS
Type: SUB. HP: 3/4

(8) WATER LEVELS: Land-surface elevation above mean sea-level 100'
Static level: 65 ft. below top of well Date 9-22-93
Artesian pressure lbs / sq. in. Date
Artesian water is controlled by

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made?: Yes ☐ No ■
If yes by whom?
Yeild GPM with ft drawdown after hrs.
Yeild GPM with ft drawdown after hrs.
Recovery data (time taken as zero when pump turned off)(water level measured from well top to water level)

Time	Water level	Time	Water level	Time	Water level

Date of test:
Bailer test: 8 GPM with 41 ft drawdown after 4 hrs.
Air test: GPM with stem set at ft for hrs.
Artesian flow: GPM Date:
Temperature of water Was chemical analysis made? Yes ☐ No ■

(10) WELL LOG or ABANDONMENT PROCEDURE DESCRIPTION

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of information.

MATERIAL	FROM	TO
BROWN SAND W/BOULDERS	0'	13'
BROWN SANDY HARDPAN	13'	27'
BROWN GRAVELLY CLAY	27'	62'
GRAY SAND W/B	62'	68'
GRAY GRAVELLY CLAY	68'	85'
GRAY SANDY CLAY	85'	118'
BLUE SAND W/CLAY SEAMS W/B	118'	126'
BLUE SAND & GRAVEL W/B	126'	?

RECEIVED
NOV 04 1993
DEPT. OF ECOLOGY

Work started: 9/06/93 (date) Completed: 9/22/93 (date)

WELL CONSTRUCTOR CERTIFICATION:

I constructed and / or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

NAME LOFALL WELL DRILLING

ADDRESS 180 N.W. LOFALL RD., POULSBO, WA. 98370

SIGNED _____ (Well Driller) Licence No 2075

Contractor's Registration☐ No. LOFALWD124** Date 10-18-93

25/02-28F

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT
STATE OF WASHINGTON

Application No. .....
Permit No. .....

(1) OWNER: Name Kieth Stone Address .....

(2) LOCATION OF WELL: County Kitsap — SE¼ NW¼ Sec. 28 T. 25 N., R. 2E W.M.

Bearing and distance from section or subdivision corner

(3) PROPOSED USE: Domestic ☒ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

(4) TYPE OF WORK: Owner's number of well (if more than one) .....
New well ☐ Method: Dug ☐ Bored ☐
Deepened ☒ Cable ☐ Driven ☐
Reconditioned ☐ Rotary ☐ Jetted ☐

(5) DIMENSIONS: Diameter of well 6 inches.
Drilled 18 ft Depth of completed well 155' ft.

(6) CONSTRUCTION DETAILS:

Casing installed: 6 " Diam. from 137 ft. to 155 ft.
Threaded ☐ " Diam. from ..... ft. to ..... ft.
Welded ☒ " Diam. from ..... ft. to ..... ft.

Perforations: Yes ☐ No ☒
Type of perforator used .....
SIZE of perforations ..... in. by ..... in.
..... perforations from ..... ft. to ..... ft.
..... perforations from ..... ft. to ..... ft.
..... perforations from ..... ft. to ..... ft.

Screens: Yes ☒ No ☐
Manufacturer's Name Johnson
Type Telescoping Model No. .....
Diam. 6 x 5 Slot size 10 from 155 ft. to 150 ft.
Diam. ..... Slot size ..... from ..... ft. to ..... ft.

Gravel packed: Yes ☐ No ☒ Size of gravel: .....
Gravel placed from ..... ft. to ..... ft.

Surface seal: Yes ☒ No ☐ To what depth? 18 ft.
Material used in seal Bentonite
Did any strata contain unusable water? Yes ☐ No ☒
Type of water? ..... Depth of strata .....
Method of sealing strata off .....

(7) PUMP: Manufacturer's Name Flint & Waling
Type: Submersible H.P. 1/2

(8) WATER LEVELS: Land-surface elevation above mean sea level ..... ft.
Static level 125' ft. below top of well Date 1-4-80
Artesian pressure ..... lbs. per square inch Date .....
Artesian water is controlled by ..... (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☐ No ☐ If yes, by whom? .....
Yield: ..... gal./min. with ..... ft. drawdown after ..... hrs.
" " " "
" " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test .....
Baller test 12 gal./min. with 15 ft. drawdown after 2 hrs.
Artesian flow ..... g.p.m. Date .....
Temperature of water ..... Was a chemical analysis made? Yes ☐ No ☐

(10) WELL LOG:

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL	FROM	TO
Original Well was 141' developed in what appeared to be Sand & Gravel, but was Clay filled - The well was surged for 8 hrs at from 15 - 45 min. intervals - At times the well would yield water and then would pack off - It was determined that we should pull the screen + go deeper -		
Sand - Gravel + Clay - Gray	137	143
Sand + Gravel - Gray - H_2O	143	152
Sand - Gray - Fine - H_2O	152	155
Set - Johnson well Screen with K-packer - 5'-9 3/4" at 155' -		
150' - 4" 6" pipe in Ground - Pump set on 7-21' Lengths of 1" Galvanized Pipe - At - 150' -		

Work started 12-28- 1979 Completed 1-4- 1980

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME Puget Sound Well Drlg. (Person, firm, or corporation) (Type or print)
Address 18365 Diamond Dr. NE Poulsbo, Wash. 98370
[Signed] Richard L. Lanning (Well Driller)
License No. 1022 Date 1-4- 1980

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

28 7448

26-2E-33D

WATER WELL REPORT

Original & 1st copy - Ecology, 2nd copy - owner, 3rd copy - driller

Construction/Decommission *("x" in circle)*

☒ Construction

☐ Decommission *ORIGINAL INSTALLATION*

Notice of Intent Number _____

PROPOSED USE: ☒ Domestic ☐ Industrial ☐ Municipal ☐ DeWater ☐ Irrigation ☐ Test Well ☐ Other _____

TYPE OF WORK: Owner's number of well (if more than one) _____

☒ New well ☐ Reconditioned *Method:* ☐ Dug ☐ Bored ☐ Driven ☐ Deepened ☐ Cable ☒ Rotary ☐ Jetted

DIMENSIONS: Diameter of well 6 inches, drilled 356 ft. Depth of completed well 356 ft.

CONSTRUCTION DETAILS

Casing Installed: ☒ Welded 6 " Diam. from +1 ft. to 344 ft.

☐ Liner installed _____ " Diam. from _____ ft. to _____ ft.

☐ Threaded _____ " Diam. From _____ ft. to _____ ft.

Perforations: ☐ Yes ☒ No

Type of perforator used _____

SIZE of perfs _____ in. by _____ in. and no. of perfs _____ from _____ ft. to _____ ft.

Screens: ☒ Yes ☐ No ☒ K-Pac Location TOP

Manufacturer's Name JOHNSON

Type STAINLESS STEEL Model No. TELESCOPING

Diam. 5 Slot size 16 from 341 ft. to 346 ft.

Diam. 5 Slot size 1210 from 346 ft. to 356 ft.

Gravel/Filter packed: ☐ Yes ☒ No Size of gravel/sand _____

Materials placed from _____ ft to _____ ft.

Surface Seal: ☒ Yes ☐ No To what depth? 18 ft.

Material used in seal BENTONITE

Did any strata contain unusable water? ☐ Yes ☒ No

Type of water? _____ Depth of strata _____

Method of sealing strata off _____

PUMP: Manufacturer's Name GOULDS

Type: SUBMERSIBLE 05GS07 H.P. 3/4

WATER LEVELS: Land-surface elevation above mean sea level _____ ft.

Static level 200.9 ft. below top of well Date 11/14/07

Artesian pressure _____ lbs. per square inch Date _____

Artesian water is controlled by _____ (cap, valve, etc.)

WELL TESTS: Drawdown is amount water level is lowered below static level

Was a pump test made? ☒ Yes ☐ No If yes, by whom? GRESHAM

Yield: 2 gal./min. with 139.3 ft. drawdown after 4+ hrs.

Yield: _____ gal./min. with _____ ft. drawdown after _____ hrs.

Yield: _____ gal./min. with _____ ft. drawdown after _____ hrs.

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level
30	291.6				

Date of test 11/14/07

Bailer Test _____ gal./min. with _____ ft. drawdown after _____ hrs.

Airtest _____ gal./min. with stem set at _____ ft. for _____ hrs.

Artesian flow _____ g.p.m. Date _____

Temperature of water _____ Was a chemical analysis made? ☒ Yes ☐ No

CURRENT

Notice of Intent No. W245817

Unique Ecology Well ID Tag No. BAT913

Water Right Permit No. N/A

Property Owner Name LILLIAN CHENG

Well Street Address AGATEWOOD ROAD NE

City BAINBRIDGE ISLAND County KITSAP

Location NW 1/4-1/4 NW 1/4 Sec 33 Twn 26 R 2E EWM ☒ Check Or WWM ☐ One

(s, t, r Still REQUIRED)

Lat/Long Lat Deg _____ Lat Min/Sec _____

Long Deg _____ Long Min/Sec _____

Tax Parcel No. (Required) 332602-2-002-2009

CONSTRUCTION OR DECOMMISSION PROCEDURE

Formation: Describe by color, character, size of material and structure, and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of information. (USE ADDITIONAL SHEETS IF NECESSARY.)

MATERIAL	FROM	TO
BROWN CLAY	0	28
BLUE CLAY	28	106
BROWN PEAT	106	117
BLUE CLAY	117	344
SAND & GRAVEL, H20	344	349
CLAY W/GRAVEL, CEMENTED	349	350
FINE SAND, H20	350	358

RECEIVED

FEB 06 2008

DEPT. OF ECOLOGY

Start Date 11/07/07 Completed Date 11/07/07

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

☒ Driller ☐ Engineer ☐ Trainee Name (Print) CRAIG A GRESHAM

Driller/Engineer/Trainee Signature _____

Driller or trainee License No. 0761

IF TRAINEE: Driller's License No: _____

Driller's Signature: _____

Drilling Company GRESHAM WELL DRILLING INC

Address P O BOX 1600

City, State, Zip POULSBO , WA , 98370-0195

Contractor's Registration No. GRESHWD055BC Date 11/21/07

ECY 050-1-20 (Rev 4/07)

Ecology is an Equal Opportunity Employer

25 02E-21 L

Start Card No. 035295

File Original and First Copy with Department of Ecology
Second Copy—Owner's Copy
Third Copy—Driller's Copy

WATER WELL REPORT

STATE OF WASHINGTON

Water Right Permit No. _____

(1) OWNER: Name Lyle Flodin Address 8045 Fletcher Bay Rd. Bl. 98110

(2) LOCATION OF WELL: County Kitsap SE ¼ SW ¼ Sec. 21 T. 25 N., R. 2 E W.M.

(2a) STREET ADDDRESS OF WELL (or nearest address) _____

(3) PROPOSED USE: [X] Domestic [ ] Industrial [ ] Municipal [ ] Irrigation [ ] Test Well [ ] Other [ ] DeWater

(4) TYPE OF WORK: Owner's number of well (if more then one) _____
Abandoned [ ] New well [X] Method: Dug [ ] Bored [ ] Deepened [ ] Cable [X] Driven [ ] Reconditioned [ ] Rotary [ ] Jetted [ ]

(5) DIMENSIONS: Diameter of well 6 inches.
Drilled 124 feet. Depth of completed well 124 ft.

(6) CONSTRUCTION DETAILS:
Casing installed: _____ " Diam. from _____ ft. to _____ ft.
Welded [X] 6 " Diam. from 0 ft. to 120 ft.
Liner installed [ ]
Threaded [ ] _____ " Diam. from _____ ft. to _____ ft.

Perforations: Yes [ ] No [X]
Type of perforator used _____
SIZE of perforations _____ in. by _____ in.
_____ perforations from _____ ft. to _____ ft.
_____ perforations from _____ ft. to _____ ft.
_____ perforations from _____ ft. to _____ ft.

Screens: Yes [X] No [ ]
Manufacturer's Name COOK
Type Stainless Model No. _____
Diam. _____ Slot size _____ from _____ ft. to _____ ft.
Diam. 6 Slot size 6 from 120 ft. to 124 ft.

Gravel packed: Yes [ ] No [X] Size of gravel _____
Gravel placed from _____ ft. to _____ ft.

Surface seal: Yes [X] No [ ] To what depth? 20 ft.
Material used in seal Bentonite
Did any strata contain unusable water? Yes [ ] No [X]
Type of water? _____ Depth of strata _____
Method of sealing strata off _____

(7) PUMP: Manufacturer's Name Ste-Rite
Type: Turbine H.P. ½

(8) WATER LEVELS: Land-surface elevation above mean sea level 60 ft.
Static level 13 ft. below top of well Date 4-20-90
Artesian pressure _____ lbs. per square inch Date _____
Artesian water is controlled by _____ (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes [X] No [ ] If yes, by whom? Driller
Yield: _____ gal./min. with _____ ft. drawdown after _____ hrs.
" 13 " 20 " 4 "
" " " " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test _____
Bailer test 30 gal./min. with 50 ft. drawdown after 3 hrs.
Airlift _____ gal./min. with stem set at _____ ft. for _____ hrs.
Artesian flow _____ g.p.m. Date _____
Temperature of water _____ Was a chemical analysis made? Yes [ ] No [X]

(10) WELL LOG or ABANDONMENT PROCEDURE DESCRIPTION

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of information.

MATERIAL		FROM	TO
Top soil	Brown	0	2
Hardpan	"	2	5
Hardpan-Hard	Grey	5	23
Hardpan	Brown	23	35
Clay	Blue	35	50
Silt	"	50	65
Silt	"	65	85
Silt-Compact	"	85	112
Clay shale + Fine sand	"	112	117
Sand-Fine-Dirty	"	117	123
Sand-Clayband	"	123	—

RECEIVED
MAY 22 1990
DEPT. OF ECOLOGY

Work started April 12, 19. Completed April 20, 1990

WELL CONSTRUCTOR CERTIFICATION:
I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

NAME CRABTREE DRILLING CO. (PERSON, FIRM, OR CORPORATION) (TYPE OR PRINT)
Address 33349 EGLIN RD. NE. KINGSTON
(Signed) Jerry Crabtree (WELL DRILLER) License No. 82
Contractor's Registration No. CRABTD 25502 Date 4-24, 1990

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20 (10/87) -1329-

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT
STATE OF WASHINGTON

Application No. 26[illegible]23 IV
Permit No.

(1) OWNER: Name LEE GRANT Address AGATE PASS

(2) LOCATION OF WELL: County KITSAP 40 ft. of SW ¼ of SW ¼ Sec. 28 T. 26 N., R. 2E W.M.
Bearing and distance from section or subdivision corner PLAT SWly, SWly

(3) PROPOSED USE: Domestic ☐ Industrial ☐ Municipal ☒
Irrigation ☐ Test Well ☐ Other ☐

(4) TYPE OF WORK: Owner's number of well (if more than one)
New well ☒ Method: Dug ☐ Bored ☐
Deepened ☐ Cable ☒ Driven ☒
Reconditioned ☐ Rotary ☐ Jetted ☐

(5) DIMENSIONS: Diameter of well 6 inches.
Drilled 174 ft. Depth of completed well 174 ft.

(6) CONSTRUCTION DETAILS:
Casing installed: 6 " Diam. from 0 ft. to 170 ft.
Threaded ☐ " Diam. from ft. to ft.
Welded ☒ " Diam. from ft. to ft.

Perforations: Yes ☐ No ☒
Type of perforator used
SIZE of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

Screens: Yes ☒ No ☐
Manufacturer's Name Johnson
Type TELESCOPE Model No.
Diam. 6 Slot size .12 from 160 ft. to 174 ft.
Diam. Slot size from ft. to ft.

Gravel packed: Yes ☐ No ☒ Size of gravel:
Gravel placed from ft. to ft.

Surface seal: Yes ☒ No ☐ To what depth? 20 ft.
Material used in seal BENTONITE
Did any strata contain unusable water? Yes ☐ No ☒
Type of water? Depth of strata
Method of sealing strata off

(7) PUMP: Manufacturer's Name FLINT-WALLING
Type: SUBMERSIBLE H.P. ½

(8) WATER LEVELS: Land-surface elevation above mean sea level ? ft.
Static level 126' ft. below top of well Date 3/4/78
Artesian pressure — lbs. per square inch Date —
Artesian water is controlled by — (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☒ No ☐ If yes, by whom? BACH
Yield: 4 gal./min. with 30 ft. drawdown after 4 hrs.
" " " "
" " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test
Bailer test 3 gal./min. with 40 ft. drawdown after 1 hrs.
Artesian flow — g.p.m. Date 3/6/78
Temperature of water — Was a chemical analysis made? Yes ☐ No ☒

(10) WELL LOG:
Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL	FROM	TO
SANDY HARDPAN	0	18
BROWN CLAY	18	60
BRN CLAY	60	65
BLUE CLAY	65	100
SANDY CLAY	100	122
SAND	122	123
SANDY - SILTY CLAY	123	135
BRN. CLAY	135	169
SAND - WATER	169	174

Work started 3/2 7, 1978 Completed 3/6, 1978

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME Jim Bach DRILLING Co.
(Person, firm, or corporation) (Type or print)

Address P.O. BOX 10452 BAINBRIDGE

[Signed] Jim Bach
(Well Driller)

License No. 21 Date 3/6, 1978

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT
STATE OF WASHINGTON

Start Card No. [illegible]
UNIQUE WELL I.D. # AAC 884
Water Right Permit No. 26-2E-33E

(1) OWNER: Name Leigh/Hanway Address 15515 Harvey Rd. N.E. Bainbridge Is. WA 98110

(2) LOCATION OF WELL: County Kitsap SW 1/4 NW 1/4 Sec. 33 T. 26N N., R. 2E W.M.

(2a) STREET ADDRESS OF WELL (or nearest address)

(3) PROPOSED USE: [X] Domestic [ ] Industrial [ ] Municipal [ ] Irrigation [ ] Test Well [ ] Other [ ] DeWater

(4) TYPE OF WORK: Owner's number of well (if more than one)
Abandoned [ ] New well [X] Method: Dug [ ] Bored [ ] Deepened [ ] Cable [X] Driven [ ] Reconditioned [ ] Rotary [ ] Jetted [ ]

(5) DIMENSIONS: Diameter of well 6 inches. Drilled 298 feet. Depth of completed well 298 ft.

(6) CONSTRUCTION DETAILS:
Casing Installed: 6" Diam. from 0 ft. to 293 ft.
Welded [X] Liner Installed [ ] Threaded [ ]
" Diam. from ft. to ft.
" Diam. from ft. to ft.

Perforations: Yes [ ] No [X]
Type of perforator used
SIZE of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

Screens: Yes [X] No [ ]
Manufacturer's Name Johnson
Type Stainless Steel Model No.
Diam. 6" Slot size #10 from 293 ft. to 298 ft.
Diam. Slot size from ft. to ft.

Gravel packed: Yes [ ] No [X] Size of gravel
Gravel placed from ft. to ft.

Surface seal: Yes [X] No [ ] To what depth? 22 ft.
Material used in seal Bentonite
Did any strata contain unusable water? Yes [ ] No [ ]
Type of water? Depth of strata
Method of sealing strata off

(7) PUMP: Manufacturer's Name Flint & Walling
Type: Submersible H.P. 1½

(8) WATER LEVELS: Land-surface elevation above mean sea level ft.
Static level 137' 5" ft. below top of well Date 7-11-96
Artesian pressure lbs. per square inch Date
Artesian water is controlled by (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes [X] No [ ] If yes, by whom? Driller
Yield: 12 gal./min. with 60 ft. drawdown after 4 hrs.
" " " "
" " " "
Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level
(Back To Static 1 hour)					

Date of test
Bailer test gal./min. with ft. drawdown after hrs.
Airtest gal./min. with stem set at ft. for hrs.
Artesian flow g.p.m. Date
Temperature of water Was a chemical analysis made? Yes [X] No [ ]

(10) WELL LOG or ABANDONMENT PROCEDURE DESCRIPTION

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of information.

MATERIAL	FROM	TO
Sand & Gravel, gray	0	10
Brown Sand	10	19
gray Sand & gravel	19	47
Some H20	47	52
Sand, gravel & Clay chunks	52	53
gray Sandy clay	53	55
Layered clay	55	97
Silt & clay	97	100
Silt	100	112
FINE Sand & Clay	112	130
Sandy gray clay	130	143
Slick gray clay	143	173
Gritty Sm. Gravel & clay	173	174
Some H20 - Dirty Sand & gravel	174	179
gray clay	179	180
Clay & gravel	180	185
Sticky gray clay	185	225
Slick Blue Clay	225	260
Silty clay	260	266
gray clay, Silty, Sm. gravels Some H20	266	282
FINE Gray layered Sand w/H20	282	288
Tight Clay & gravel & Silt	288	289
Sand, gravel & Water	289	296
gray clay	296	298

Work Started 6-6, 19 96 Completed 7-5, 19 96

WELL CONSTRUCTOR CERTIFICATION:

I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

NAME Burt Well Drilling Inc. (PERSON, FIRM, OR CORPORATION) (TYPE OR PRINT)
Address 19782 N.E. Lincoln Rd. Poulsbo, Wa. 98370
(Signed) George DeBurt (WELL DRILLER) License No. 0048
Contractor's Registration No. BURTWI922RU Date 7-12, 19 96

(USE ADDITIONAL SHEETS IF NECESSARY)

Ecology is an Equal Opportunity and Affirmative Action employer. For special accommodation needs, contact the Water Resources Program at (206) 407-6800. The TDD number is (206) 407-6006.

ECY 050-1-20 (9/93)

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

25/02-29K

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT

STATE OF WASHINGTON

Application No. .....

Permit No. .....

(1) OWNER: Name Lynn Heppler Address Missoula, Montana

(2) LOCATION OF WELL: County Kitsap — NW ¼ SE ¼ Sec. 29 T. 25 N., R. 02E W.M.

Bearing and distance from section or subdivision corner

(3) PROPOSED USE: Domestic [X] Industrial [ ] Municipal [ ]
Irrigation [ ] Test Well [ ] Other [ ]

(4) TYPE OF WORK: Owner's number of well (if more than one) .....
New well [X] Method: Dug [ ] Bored [ ]
Deepened [ ] Cable [X] Driven [ ]
Reconditioned [ ] Rotary [ ] Jetted [ ]

(5) DIMENSIONS: Diameter of well 6 inches.
Drilled 114 ft. Depth of completed well 114 ft.

(6) CONSTRUCTION DETAILS:

Casing installed: 6 " Diam. from 0 ft. to 109 ft.
Threaded [ ] " Diam. from ft. to ft.
Welded [X] " Diam. from ft. to ft.

Perforations: Yes [ ] No [X]
Type of perforator used .....
SIZE of perforations ..... in. by ..... in.
..... perforations from ..... ft. to ..... ft.
..... perforations from ..... ft. to ..... ft.
..... perforations from ..... ft. to ..... ft.

Screens: Yes [X] No [ ]
Manufacturer's Name Johnson
Type SS Telescoping Model No. .....
Diam. 6 Slot size .014 from 109 ft. to 114 ft.
Diam. ..... Slot size ..... from ..... ft. to ..... ft.

Gravel packed: Yes [ ] No [X] Size of gravel: .....
Gravel placed from ..... ft. to ..... ft.

Surface seal: Yes [X] No [ ] To what depth? 18 ft.
Material used in seal Sodium Bentonite
Did any strata contain unusable water? Yes [ ] No [X]
Type of water? ..... Depth of strata .....
Method of sealing strata off .....

(7) PUMP: Manufacturer's Name Flint & walling
Type: 4" Submersible H.P. 1/2

(8) WATER LEVELS: Land-surface elevation above mean sea level 150 ft.
Static level 67 ft. below top of well Date 6/1/79
Artesian pressure ..... lbs. per square inch Date .....
Artesian water is controlled by ..... (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes [X] No [ ] If yes, by whom? Bach
Yield: 2 gal./min. with 10 ft. drawdown after 1 hrs.
" 4 " 21 " 3 "
" 7 " 31 " 5 "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test 6/1/79
Bailer test 4 gal./min. with 18 ft. drawdown after 3 hrs.
Artesian flow ..... g.p.m. Date .....
Temperature of water ---- Was a chemical analysis made? Yes [ ] No [X]

(10) WELL LOG:

Formation: *Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.*

MATERIAL	FROM	TO
Hardpan	0	41
Sand-fine-gray	41	46
Sand-brown	46	70
Hardpan-gray	70	80
Clay-rocky-blue	80	90
Clay-sandy-blue	90	95
Sand-coarse-gray	95	114

Work started 5/10 19 79 Completed 6/1 19 79

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME Bach Drilling Inc.
(Person, firm, or corporation) (Type or print)

Address P.O. Box 10452 Bainbridge Isl.

[Signed] Dirk Ellis
(Well Driller)

License No. 126 Date 6/5 19 79

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

WASHINGTON STATE DEPARTMENT OF ECOLOGY

UNIQUE WELL I.D. NUMBER A A A 3 5 0
X Y Z 1 2 3

WELL TAGGING FORM

Date of Field Visit 05/13/1992 By MM – PUD #1

RECORD VERIFICATION

- [x] Well Report available *(please attach)*
- [ ] Well Report not available
- [ ] Verification inconclusive

WELL OWNERSHIP

Name Lynn Heppler

Street address 7000 Blue Sky Lane NE

City Bainbridge Is. State WA 98110

LOCATION OF WELL

Well Address 7000 Blue Sky Lane NE

City Bainbridge Is. County Kitsap

T. 25 N. R. 02E W M. Sec. 29J ¼ NE ¼ SE

GPS Location: Latitude 47 ° 37 ' 52 " no signal

Longitude 122 ° 33 ' 47 "

Elevation 360 (feet) meters *(circle one)*

- [ ] Digital Altimeter
- [x] Topographic Map
- [ ] Other

If unable to verify location with GPS equipment:

- [ ] Location marked on topographic map *(please attach if available)*
- [ ] Location marked on air photo *(please attach if available)*

AAA350

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

WELL CHARACTERISTICS

Physical Description of Well (size of casing, type of well, housing, etc.): drilled well; 6" casing, not enclosed in structure, ~~6" below top of casing seal.~~

Location of Well Identification Tag: 6" below casing seal (top of seal)

Was Supplemental Tag needed for ease of identifying well?

☒ NO ☐ YES

Scale 1:24,000 (1"=2,000')

D	C	B	A
E	F	G	H
M	L	K	J •
N	P	Q	R

Indicate the location of the well within the Section by drawing a dot at that point.

SECTION 29J

COMMENTS:

FOR ECOLOGY USE ONLY

Water Right # _____ Date Issued _____

Original - Copy with Ecology
Owner's Copy
Driller's Copy

AAA350

WATER WELL REPORT

STATE OF WASHINGTON

21 23/02 -1 E 3

Application No

Permit No

OWNER: Name Lynn Heppler Address Missoula, Montana

LOCATION OF WELL: County Kitsap NW ¼ SE ¼ Sec 29 T. 25 N. R 02E WM

Distance from section or subdivision corner

PROPOSED USE: Domestic ☑ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

TYPE OF WORK: Owner's number of well (if more than one)
New well ☑ Method Dug ☐ Bored ☐
Deepened ☐ Cable ☑ Driven ☐
Reconditioned ☐ Rotary ☐ Jetted ☐

DIMENSIONS
Diameter of well 6 inches
Drilled 114 ft Depth of completed well 114 ft

CONSTRUCTION DETAILS
Casing installed: 6 " Diam from 0 ft to 100 ft
Threaded ☐ Diam from ft to ft
Welded ☐ " Diam from ft to ft

Perforations: Yes ☐ No ☐
Type of perforator used
SIZE of perforations in by in
perforations from ft to ft
perforations from ft to ft
perforations from ft to ft

Screens: Yes ☐ No ☐
Manufacturer's Name Johnson
Type Telescoping Model No
Diam Slot size .014 from 100 ft to 114 ft
Slot size from ft to ft

Gravel packed: Yes ☐ No ☐ Size of gravel
Gravel placed from ft to ft

Surface seal: Yes ☑ No ☐ To what depth? 18 ft
Material used in seal Bentonite
Did any strata contain unusable water? Yes ☐ No ☐
Type of water? Depth of strata
Method of sealing strata off

PUMP: Manufacturer's Name Myers Swalling
Type 4" Submersible H.P. 1½

WATER LEVELS: Land-surface elevation above mean sea level 150 ft
Level 67 ft below top of well Date 6/1/72
Artesian pressure lbs per square inch Date
Artesian water is controlled by (Cap, valve, etc)

WELL TESTS Drawdown is amount water level is lowered below static level
Was pump test made? Yes ☐ No ☐ If yes, by whom? Owner
gal/min with 10 ft drawdown after 1 hrs
" 21 " 2 "
" 31 " 5 "
Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test
Bailer test gal/min with ft drawdown after hrs
Artesian flow g.p.m. Date
Temperature of water Was a chemical analysis made? Yes ☐ No ☐

(10) WELL LOG:

Formation *Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation*

MATERIAL	FROM	TO
Hardpan	0	41
Sand-fine-gray	41	46
Sand-brown	46	70
Hardpan-gray	70	80
Clay-rocky-blue	80	90
Clay-sandy-blue	90	95
Sand-coarse-gray	95	114

Long 122° 34' 14"
Lat. 47° 32' 32"
Elev' 280'
Topo: Hilltop
Map: Duquenuak
Scale' 24000

25/2E-29R 41

Work started 5/72, 19 Completed 6/1, 19

WELL DRILLER'S STATEMENT

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME (Person, firm, or corporation) (Type or print)

Address

[Signed] (Well Driller)

License No Date , 19

ID # AAA350

(USE ADDITIONAL SHEETS IF NECESSARY)

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

USGS

Map 1 / 44

KITSAP COUNTY PUD #1
PRIVATE WELL/CONSERVATION PROGRAM

LAB NO. _____

ACCOUNT NO. _____ DIV. _____

CUSTOMER NAME (PLEASE PRINT) (FIRST) Lynn (LAST) Heppler

ADDRESS WHERE SHOWERHEAD INSTALLED:

STREET 7000 Blue Sky Ln NE UNIT # _____ B9

CITY Bainbridge Is STATE WA ZIP 98110

CUSTOMER'S SIGNATURE Frances Heppler DATE 5-13-92

QUANTITY	BRAND	PROGRAM/DELIVERY METHOD
2	Ondine Showerhead	(4) Business Office
1	Kitchen Aerator	(1) Single Family
~~0~~	Bath Aerator	no (4) Contractor Installed

PUD ACCT # 000650 WELL ID # AAA350 LOCAL # 25N/02E-29J

ELEVATION 360' LATITUDE/LONGITUDE 473752 / 1223347 no signal

DUG(D) _____ DRILLED(W) _____ SPRING(S) _____

ORIGINAL OWNER Heppler DRILLER Bach Drilling

YEAR DRILLED 1979 WELL DEPTH 114'

PHONE # 842-7456 TIME BEGAN 1200 TIME COMPLETED 12:37

DESCRIPTION OF MEASURING PT. (MP) top of electrical box on casing

HEIGHT OF MP ABOVE/BELOW LAND SURFACE 1.27 BacT A

DEPTH TO WATER BELOW MP 67.32 DEPTH TO WATER BELOW LS 66.05

TEMPERATURE 52.4 SPECIFIC CONDUCTIVITY 202 ph 7.35

Nitrate mg/L 1.2 Fe mg/L 1.15 Mn mg/L 0.436

COLOR clear ODOR slight metallic APPEARANCE normal

SAMPLING POINT DESCRIPTION outside hose bib

REMARKS _____

SAMPLING PERSONNEL mm/BA

Disclosure bar 1

message 5/12/92 for first letter completed ltr

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

25/02-04 F

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT
STATE OF WASHINGTON

Application No G-23495
Permit No G-23498P

(1) OWNER: Name Larry Orr Address P.O. Box 10854 Bainbridge Island 98110

(2) LOCATION OF WELL: County Kitsap ¼ SE ¼ NW ¼ Sec. 4 T. 25 N., R. 2 E. W.M.

Bearing and distance from section or subdivision corner Center of S½

(3) PROPOSED USE: Domestic [X] Industrial [ ] Municipal [ ] Irrigation [ ] Test Well [ ] Other [ ]

(4) TYPE OF WORK: Owner's number of well (if more than one)
New well [X] Method: Dug [ ] Bored [ ]
Deepened [ ] Cable [X] Driven [ ]
Reconditioned [ ] Rotary [ ] Jetted [ ]

(5) DIMENSIONS: Diameter of well 6 inches. Drilled 292 ft. Depth of completed well 292 ft.

(6) CONSTRUCTION DETAILS:

Casing installed: Threaded [ ] 6" Diam. from 0 ft. to 281 ft.
Welded [X] " Diam. from ft. to ft.

Perforations: Yes [ ] No [X]
Type of perforator used
SIZE of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

Screens: Yes [X] No [ ] Johnson
Manufacturer's Name
Type Stainless Model No.
Diam. Slot size from ft. to ft.
Diam. 6 Slot size 4 from 281 ft. to 292 ft.

Gravel packed: Yes [ ] No [X] Size of gravel:
Gravel placed from ft. to ft.

Surface seal: Yes [X] No [ ] To what depth? 20 ft.
Material used in seal. Cement grout
Did any strata contain unusable water? Yes [ ] No [X]
Type of water? Depth of strata
Method of sealing strata off

(7) PUMP: Manufacturer's Name Sta-Rite
Type: Jet H.P. 1½

(8) WATER LEVELS: Land-surface elevation above mean sea level 60 ft.
Static level 78 ft. below top of well Date 10/2/79
Artesian pressure lbs. per square inch Date
Artesian water is controlled by (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes [X] No [ ] If yes, by whom? Driller
Yield: 30 gal./min. with 30 ft. drawdown after 4 hrs.

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test
Bailer test 42 gal./min. with ft. drawdown after hrs.
Artesian flow g.p.m. Date
Temperature of water Was a chemical analysis made? Yes [ ] No [X]

(10) WELL LOG:

Formation: *Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.*

MATERIAL		FROM	TO
Top soil	Brown	0	5
Hard pan	Gray	5	54
Clay & rocks	Blue	54	90
Clay	"	90	185
Clay shale	Black	185	190
Clay	Blue	190	240
Clay & rocks	"	240	250
Silt	"	250	260
Fine Fine sand	"	260	287
Fine sand	"	287	292
Clay	"	292	—

Work started Sept. 19, 1979 Completed Oct. 3, 1979

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME CRABTREE DRILLING CO. (Person, firm, or corporation) (Type or print)
Address 33349 Eglon Rd. 2 E. Kingston
[Signed] Jerry Crabtree (Well Driller)
License No. 82 Date Oct. 3, 1979

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

26/02E-33-J

Application No.

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT

STATE OF WASHINGTON

Permit No.

(1) OWNER: Name Lee Robinson Address 15000 Sunrise Drive NE, Bl. Island,

(2) LOCATION OF WELL: County Kitsap NE ¼ SE ¼ Sec 33 T 26 N., R 2E W.M.

Bearing and distance from section or subdivision corner

(3) PROPOSED USE: Domestic [X] Industrial [ ] Municipal [ ]
Irrigation [ ] Test Well [ ] Other [ ]

(4) TYPE OF WORK: Owner's number of well (if more than one)
New well [X] Method: Dug [ ] Bored [ ]
Deepened [ ] Cable [X] Driven [ ]
Reconditioned [ ] Rotary [ ] Jetted [ ]

(5) DIMENSIONS: Diameter of well 6 inches.
Drilled 600 ft. Depth of completed well 583 ft.

(6) CONSTRUCTION DETAILS:

Casing installed: ..." Diam. from ... ft. to ... ft.
Threaded [ ] 6" Diam. from 0 ft. to 583 ft.
Welded [X]

Perforations: Yes [X] No [ ] Wile Knife
Type of perforator used
SIZE of perforations ... in. by ... in.
76 perforations from 71 ft. to 74 ft.
... perforations from ... ft. to ... ft.
... perforations from ... ft. to ... ft.

Screens: Yes [ ] No [X]
Manufacturer's Name
Type Model No.
Diam. Slot size from ft. to ft.
Diam. Slot size from ft. to ft.

Gravel packed: Yes [ ] No [X] Size of gravel:
Gravel placed from ft. to ft.

Surface seal: Yes [X] No [ ] To what depth? 20 ft.
Material used in seal Bentonite
Did any strata contain unusable water? Yes [ ] No [X]
Type of water? Depth of strata
Method of sealing strata off

(7) PUMP: Manufacturer's Name
Type: H.P.

(8) WATER LEVELS: Land-surface elevation above mean sea level 60 ft.
Static level 52 ft. below top of well Date
Artesian pressure lbs. per square inch Date
Artesian water is controlled by (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes [ ] No [ ] If yes, by whom?
Yield: gal./min. with ft. drawdown after hrs.
" " " "
" " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test
Baller test gal./min. with ft. drawdown after hrs.
Artesian flow g.p.m. Date
Temperature of water Was a chemical analysis made? Yes [ ] No [ ]

(10) WELL LOG:

Formation: *Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.*

MATERIAL		FROM	TO
Top soil - Rocky	Brown	0	2
Hard - Rocky	"	2	10
Hard pan	"	10	30
Hard pan	Gray	30	60
Sandstone - Cemented	"	60	80
Clay - Gravely	Blue	80	90
Clay	Gray	90	180
Silt	"	180	210
Clay	"	210	280
Clay - Sandy	"	280	290
Silt	"	290	340
Clay - Silty	"	340	405
Clay	"	405	435
Silt - Sandy	"	435	450
Clay - Silty	"	450	470
Silt - Sandy	"	470	515
Clay - Silty	"	515	530
Silt - Sandy	"	530	545
Clay - Silty	"	545	560
Silt - Sandy	"	560	—

RECEIVED
AUG 21 1985
DEPARTMENT OF ECOLOGY
NORTHWEST REGION

Work started May 28, 1985 Completed July 10, 1985

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME CRABTREE DRILLING CO.
(Person, firm, or corporation) (Type or print)

Address 33349 EGLON RD. NE, KINGSTON

[Signed] Jerry Crabtree
(Well Driller)

License No 82 Date July 26, 1985

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT

STATE OF WASHINGTON

Application No. 24102-05

Permit No. Unrecorded

(1) OWNER: Name LARRY Southwick Address RT 6- Box 622 Bainbridge Island

(2) LOCATION OF WELL: County Kitsap-Bainbridge Is. Baxhtu2 ¼ ¼ Sec. 5 T. 24N. R. 2 W.M.

Bearing and distance from section or subdivision corner T1x Lt 102 of J.E. Beck Estate. Govt Lot 4

(3) PROPOSED USE: Domestic ☑ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

(4) TYPE OF WORK: Owner's number of well (if more than one) ....
New well ☑ Method: Dug ☐ Bored ☐
Deepened ☐ Cable ☑ Driven ☐
Reconditioned ☐ Rotary ☐ Jetted ☐

(5) DIMENSIONS: Diameter of well 6 inches.
Drilled 79 ft. Depth of completed well 77 ft.

(6) CONSTRUCTION DETAILS:

Casing installed: 16" Diam. from 0 ft. to 18 ft.
Threaded ☐ 6" Diam. from 0 ft. to 77 ft.
Welded ☑ " Diam. from ft. to ft.

Perforations: Yes ☐ No ☑
Type of perforator used
SIZE of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

Screens: Yes ☑ No ☐ Cook Wire Weave
Manufacturer's Name
Type Stainless Model No.
Diam. 6 Slot size 14 from 72 ft. to 77 ft.
Diam. Slot size from ft. to ft.

Gravel packed: Yes ☐ No ☑ Size of gravel:
Gravel placed from ft. to ft.

Surface seal: Yes ☑ No ☐ To what depth? 26 ft.
Material used in seal 11" hole Filled with Bentonite
Did any strata contain unusable water? Yes ☐ No ☑
Type of water? Depth of strata
Method of sealing strata off

(7) PUMP: Manufacturer's Name WEBSTER
Type: Sub H.P. 4½

(8) WATER LEVELS: Land-surface elevation above mean sea level .... ft.
Static level 35 ft. below top of well Date
Artesian pressure lbs. per square inch Date
Artesian water is controlled by (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☐ No ☐ If yes, by whom?
Yield: gal./min. with ft. drawdown after hrs.
" " " "
" " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test 11-20-73
Bailer test 25 gal./min. with 20 ft. drawdown after 1 hrs.
~~Artesian flow~~ g.p.m. Date 11-20-73
Temperature of water Was a chemical analysis made? Yes ☐ No ☑

(10) WELL LOG:

Formation: *Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.*

MATERIAL	FROM	TO
Area Not Begn Logged #8 FF at well Site We STARTED in (Brown) Gravel & Sand Clay Very Fine with Clay & Sand		
Brown Fills	0	32
Gravel & Sand	32	52
Grey Fill-	52	55
Coarse Sand and gravel	65	68
	68	78
Wells, about 60 FT from shore. Water usually is not Running out at the Bottom of the hill as so often occurs		
Well is 2 miles West & North of Lynwood. Close to the Sound		

Work started 11-17, 19 73 Completed 11-20, 19 73

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief. Meyer Stamping Drilling

NAME H.O. MEYER DRILLING CO. (Person, firm, or corporation) (Type or print)

Address 6424 108 W Y Blvd NE KIRKLAND, WASH 98033

[Signed] H.O. Meyer (Well Driller)

License No. 0308 Date 11-22, 19 73

(USE ADDITIONAL SHEETS IF NECESSARY)

S. F. No. 7356—OS—(Rev. 4-71).

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT

STATE OF WASHINGTON

Start Card No. W073291

UNIQUE WELL I.D. # AAC146

Water Right Permit No. 25-2E-29 P

(1) **OWNER:** Name MR. LIVINGSTON WERNECKE Address 1215 4TH AVE, STE.800, SEATTLE, WA 98161-1090

(2) **LOCATION OF WELL:** County KITSAP - SE 1/4 SW 1/4 Sec 29 T 25 N, R 2E WM.

(2a) **STREET ADDRESS OF WELL** (or nearest address) 6619 CRYSTAL SPRINGS DRIVE NE

(3) **PROPOSED USE:** XX Domestic ☐ Industrial ☐ Municipal ☐ ☐ Irrigation ☐ Test Well ☐ Other ☐ ☐ DeWater

(4) **TYPE OF WORK:** Owner's number of well (if more than one) _____
Abandoned ☐ New well XX Method: Dug ☐ Bored ☐ Deepened ☐ Cable XX Driven ☐ Reconditioned ☐ Rotary ☐ Jetted ☐

(5) **DIMENSIONS:** Diameter of well 6 inches. Drilled 129 feet. Depth of completed well 129 ft.

(6) **CONSTRUCTION DETAILS:**
Casing Installed: 6 " Diam. from 0 ft. to 124 ft.
Welded XX
Liner installed ☐
Threaded ☐ _____ " Diam. from _____ ft. to _____ ft.
_____ " Diam. from _____ ft. to _____ ft.

Perforations: Yes ☐ No XX
Type of perforator used _____
SIZE of perforations _____ in. by _____ in.
_____ perforations from _____ ft. to _____ ft.
_____ perforations from _____ ft. to _____ ft.
_____ perforations from _____ ft. to _____ ft.

Screens: Yes XX No ☐
Manufacturer's Name JOHNSON
Type STAINLESS STEEL Model No. _____
Diam. 6 Slot size 12 from 124 ft. to 129 ft.
Diam. _____ Slot size _____ from _____ ft. to _____ ft.

Gravel packed: Yes ☐ No XX Size of gravel _____
Gravel placed from _____ ft. to _____ ft.

Surface seal: Yes XX No ☐ To what depth? 18 ft.
Material used in seal _____
Did any strata contain unusable water? Yes ☐ No XX
Type of water? _____ Depth of strata _____
Method of sealing strata off _____

(7) **PUMP:** Manufacturer's Name GOULDS
Type: SUBMERSIBLE 10GS07 H.P. 3/4

(8) **WATER LEVELS:** Land-surface elevation above mean sea level _____ ft.
Static level 34 ft. below top of well Date 7/29/96
Artesian pressure _____ lbs. per square inch Date _____
Artesian water is controlled by _____ (Cap, valve, etc.)

(9) **WELL TESTS:** Drawdown is amount water level is lowered below static level
Was a pump test made? Yes XX No ☐ If yes, by whom? GRESHAM
Yield: 18 gal./min. with 52 ft. drawdown after 1 hrs.
" " " "
" " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level
FULL RECOV. IN 5 MIN.					

Date of test 7/29/96
Bailer test 22 gal./min. with 66 ft. drawdown after 1 hrs.
Airtest _____ gal./min. with stem set at _____ ft. for _____ hrs.
Artesian flow _____ g.p.m. Date _____
Temperature of water 50 Was a chemical analysis made? Yes XX No ☐

(10) **WELL LOG or ABANDONMENT PROCEDURE DESCRIPTION**

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of information.

MATERIAL	FROM	TO
BROWN CLAY	0	12
GRAY SILTY CLAY	12	85
GRAY CLAY	85	101
GRAY SANDY SILT	101	115
GRAY SILTY SAND & GRAVEL	115	120
GRAY GRAVELLY HARDPAN	120	125
GRAY SAND & GRAVEL, H2O	125	129

RECEIVED
AUG 07 1996
DEPT. OF ECOLOGY

Work Started 7/23/96 19. Completed 7/25/96 19

WELL CONSTRUCTOR CERTIFICATION:

I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

NAME GRESHAM WELL DRILLING, INC. (PERSON, FIRM, OR CORPORATION) (TYPE OR PRINT)

Address 3105 NW LAKENESS RD., POULSBO, WA 98370

(Signed) _____ (WELL DRILLER) License No. 0761

Contractor's Registration No GRESHWD055BC Date 7/29/96 19

(USE ADDITIONAL SHEETS IF NECESSARY)

Ecology is an Equal Opportunity and Affirmative Action employer. For special accommodation needs, contact the Water Resources Program at (206) 407-6600. The TDD number is (206) 407-6006.

ECY 050-1-20 (9/93)

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

File: Orig. & First Copy - Dept of Ecology
Second Copy - Owner; Third Copy - Driller

WATER WELL REPORT
State of Washington

ENTERED

Start Card No. 096360
Unique Well ID AAC298
Water Right Permit No.

(1) OWNER: Name CHUCK MACLEARNSBERRY Address 8565 NE GORDON DRIVE B.I. WA 98110 Page 1 of

(2) LOCATION OF WELL: County KITSAP NE 1/4 NW 1/4 Sec 34 T 26 N R 2 E

(2a) STREET ADDRESS OF WELL (or nearest address) 8565 NE GORDON DRIVE B.I. WA 98110 26-2E-34 C

(3) PROPOSED USE: DOMESTIC Owner Well ID

(4) Type of work: NEW WELL
Method: CABLE

(5) DIMENSIONS: Diameter of well 6 inches.
Drilled 499 feet. Depth of completed well 499 ft.

(6) CONSTRUCTION DETAILS:
Casing instld: 6 " Diam. from 0 ft. to 493 ft.
Welded X " Diam. from ft. to ft.
Liner _ " Diam. from ft. to ft.
Threaded _

Perforations: Yes _ No X
Type of perforator used
Size of perforations in. by in.
perforations from ft. to in.
perforations from ft. to in.
perforations from ft. to in.

Screens: Yes X No _
Manufacturer's Name WESCO
Type STAINLESS Model No
Diam 6 Slot size 8 from 494 ft. to 499 ft.
Diam Slot size from ft. to ft.

Gravel packed: Yes _ No X Size of gravel
Gravel placed from ft. to ft.

Surface seal: Yes X No _ To what depth? 20 ft.
Material used in seal BENTONITE
Did any strata contain unusable water? Yes _ No X
Type of water? Depth of strata
Method of sealing strata off

(7) PUMP: Manufacturer's Name STA RITE
Type SUBMERSIBLE H.P. 2

(8) WATER LEVELS: Surface elev above mean sea level 15 ft.
Static level 0 ft. below top of well Date 08/19/97
Artesian pressure lbs. per sq. in. Data
Artesian pressure is controlled by

(9) WELL TESTS: Pump test made? YES By whom? DRILLER
Yield 21 gal./min. with 154 ft. drawdown after 5 hrs
Yield 0 gal./min. with ft. drawdown after hrs
Yield 0 gal./min. with ft. drawdown after hrs
Recovery data:

Time	Wtr. Lvl.	Time	Wtr. Lvl.	Time	Wtr. Lvl.
3:45	154	3:46	139-6	3:47	127-5
3:48	116	3:49	105-6	3:50	96
4:00	33-10	4:05	18-6		

Date of test 08/19/97
Bailer test 20 gal/min with 225 ft. drawdown after 3 hr
Airtest 0 gal/min with stem set at ft. for hrs
Artesian flow 0 gal/min Date
Temperature of water Was chemical analysis made? YES

(10) WELL LOG or DECOMMISSIONING PROCEDURE DESCRIPTION

Material		From	To
HARDPAN ROCKY	BROWN	0	4
HARDPAN	BROWN	4	11
CLAY	BLUE	11	16
HARDPAN	BLUE	16	23
HARDPAN ROCKY	BLUE	23	37
SILT COMPACT SANDY	BLUE	37	51
SILT COMPACT	BLUE	51	115
SILT COMPACT W/ ROCKS	BLUE	115	124
SILT COMPACT	BLUE	124	131
SILT COMPACT W/ ROCKS	BLUE	131	175
SILT COMPACT	BLUE	175	191
SILT	BLUE	191	208
SILT COMPACT	BLUE	208	238
SILT COMPACT HARD	BLUE	238	251
SILT COMPACT W/ GRITS	BLUE	251	317
SILT COMPACT HARD	BLUE	317	386
SILT COMPACT	BLUE	386	398
SILT COMPACT HARD	BLUE	398	411
SILT COMPACT	BLUE	411	460
SILT COMPACT HARD	BLUE	460	478
SILT COMPACT W/ GRITS	BLUE	478	489
SILT SANDY	BLUE	489	492
SAND W/ WOOD	BLUE	492	

RECEIVED
SEP 18 1997
DEPT OF ECOLOGY

Work Started 07/30/97 Completed 08/19/97

WELL CONSTRUCTOR CERTIFICATION:
I constructed and/or accept responsibility for construction this well, and its compliance with all Washington well construction standards. Materials used and the information report above are true to my best knowledge and belief.
Name CRABTREE DRILLING CO.
Address 33349 Eglon Road NE Kingston WA 98346

(Signed) Jerry Crabtree License No 82
(Well Driller)

Contractor's Registration No. 09702 Date 08/31/

Based on form ECL 050-1-20 (2/93)**f-1329- by Speed Systems Co

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

344918

WATER WELL REPORT

Original & 1st copy – Ecology, 2nd copy – owner, 3rd copy – driller

26-2E-34Q

Construction/Decommission *("x" in circle)*

☒ Construction

☐ Decommission *ORIGINAL INSTALLATION*

Notice of Intent Number W272763

PROPOSED USE: ☒ Domestic ☐ Industrial ☐ Municipal ☐ DeWater ☐ Irrigation ☐ Test Well ☐ Other

TYPE OF WORK: Owner's number of well (if more than one)

☐ New well ☐ Reconditioned *Method:* ☐ Dug ☐ Bored ☐ Driven ☒ Deepened ☐ Cable ☒ Rotary ☐ Jetted

DIMENSIONS: Diameter of well 4 inches, drilled 1190 ft. Depth of completed well 1105 ft.

CONSTRUCTION DETAILS

Casing Installed: ☒ Welded 4" Diam. from 0 ft. to 1105 ft.

☐ Liner installed ____" Diam. from ____ ft. to ____ ft.

☐ Threaded ____" Diam. From ____ ft. to ____ ft.

Perforations: ☐ Yes ☒ No

Type of perforator used

SIZE of perfs ____ in. by ____ in. and no. of perfs ____ from ____ ft. to ____ ft.

Screens: ☒ Yes ☐ No ☐ K-Pac Location

Manufacturer's Name JNSN

Type SS Model No. TELES

Diam. 4 Slot size 30 from 973 ft. to 983 ft. DIAM 4" SLOT 30 1037'-1047'

Diam. 4 Slot size 30 from 1019 ft. to 1029 ft. DIAM 4" SLOT 30 1071'-1081'

Gravel/Filter packed: ☒ Yes ☐ No Size of gravel/sand 10-20

Materials placed from 714 ft. to 1105 ft.

Surface Seal: ☒ Yes ☐ No To what depth? 18 ft.

Material used in seal BENTONITE

Did any strata contain unusable water? ☐ Yes ☒ No

Type of water? Depth of strata

Method of sealing strata off

PUMP: Manufacturer's Name

Type: H.P.

WATER LEVELS: Land-surface elevation above mean sea level ____ ft.

Static level 92 ft. below top of well Date 6/9/2009

Artesian pressure ____ lbs. per square inch Date

Artesian water is controlled by (cap, valve, etc.)

WELL TESTS: Drawdown is amount water level is lowered below static level

Was a pump test made? ☐ Yes ☐ No If yes, by whom?

Yield: ____ gal./min. with ____ ft. drawdown after ____ hrs.

Yield: ____ gal./min. with ____ ft. drawdown after ____ hrs.

Yield: ____ gal./min. with ____ ft. drawdown after ____ hrs.

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test

Bailer test 30 gal./min. with 26 ft. drawdown after 1 hrs.

Airtest ____ gal./min. with stem set at ____ ft. for ____ hrs.

Artesian flow ____ g.p.m. Date

Temperature of water ____ Was a chemical analysis made? ☐ Yes ☐ No

CURRENT

Notice of Intent No. WEO9680

Unique Ecology Well ID Tag No. BAF056

Water Right Permit No. N/A

Property Owner Name ED MAHLUM

Well Street Address 14624 SPARGUR LOOP RD

City BAINBRIDGE IS County KITSAP

Location SW 1/4-1/4 SE 1/4 Sec 34 Twn 26N R 2E **(s, t, r Still REQUIRED)** EWM ☒ Or WWM ☐

Lat/Long Lat Deg ____ Lat Min/Sec ____ Long Deg ____ Long Min/Sec ____

Tax Parcel No. (Required) 3426 024 014 2000

CONSTRUCTION OR DECOMMISSION PROCEDURE

Formation: Describe by color, character, size of material and structure, and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of information. (USE ADDITIONAL SHEETS IF NECESSARY.)

MATERIAL	FROM	TO
DEEPENED WELL ID BAF056		
GRAY SILT VERY FINE SAND	714	750
GRAY SANDY CLAY	750	770
GRAY CLAY SEAMS FINE SAND	770	780
GRAY FINE SAND SEAMS CLAY	780	870
GRAY FIND SAND GRVL CLAY	870	890
GRAY CLAY SEAMS GRAY SAND	890	970
GRAY SAND SEAMS GRAY CLAY	970	980
GRAY CLAY SEAMS GRAY SAND	980	1010
GRAY SAND SEAMS GRAY CLAY	1010	1120
FINE GRAY SAND SEAMS GRAY	1120	
SANDY CLAY AND BROWN CLAY		1150
FINE GRAY SAND SEAMS GRAY	1150	
SANDY CLAY SEAMS BROWN SANDY		
CLAY SPARCE MEDIUM SAND		1170
VERY FINE GRAY SAND SEAMS	1170	
GRAY SANDY CLAY BROWN SANDY		
CLAY		1190

RECEIVED

JUN 17 2009

Dept of Ecology

WR-NWRO

Start Date 4/22/2009 Completed Date 6/9/2009

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

☒ Driller ☐ Engineer ☐ Trainee Name (Print) JOHN SULLIVAN

Driller/Engineer/Trainee Signature

Driller or trainee License No. 2218

IF TRAINEE: Driller's License No:

Driller's Signature:

Drilling Company NICHOLSON DRILLING INC

Address PO BOX 123

City, State, Zip PORT ORCHARD , WA, 98366

Contractor's Registration No. NICHOD11370M Date 6/12/2009

ECY 050-1-20 (Rev 4/07)

Ecology is an Equal Opportunity Employer

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

329977

26-2E-34Q

☑ Construction ☐ Decommission — Original Installation Notice of Intent Number:

Washington State Dept. of Ecology Water Well Report

Original-Ecology, Copy 1-Owner, Copy 2-Driller

Proposed Use: ☑ Domestic ☐ Industrial ☐ Municipal ☐ DeWater ☐ Irrigation ☐ Test Well ☐ Other

Type of Work: ☑ New Well ☐ Reconditioned ☐ Dug ☐ Bored ☐ Driven ☐ Deepened ☑ Cable ☐ Rotary ☐ Jetted

Owners number of well (if more than one):

Dimensions

Diameter of well inches: 6 Feet Drilled: 720

Depth of Completed Well Ft: 714

Construction Details: — **Casing Installed:**

☑ Welded 8 " Diam. from 0 ft to: 525 ft

☐ Liner 6 " Diam from 0 ft to 714 ft

☐ Threaded 0 " Diam from 0 ft to 0 ft

Perforations: ☐ Yes ☑ No

Type of perforator used:

Perf Size 0 in by 0 in and no of perfs 0 from 0 ft to 0

Screens: ☐ Yes ☑ No ☐ K-Pac Location:

Manufacuters Name:

Type: Model No:

Diam 0 Slot Size: 0 from 0 ft to 0 ft

Diam 0 Slot Size: 0 from 0 ft to 0 ft

Gravel/Filter Packed: ☐ Yes ☐ No Size of Gravel/Sand:

Materials placed from: 0 ft to 0 ft

Surface Seal ☑ Yes ☐ No To what depth? 30 ft

Material Used in Seal: bentonite

Did any strata contain unusable water? ☐ Yes ☑ No

Type of Water? Depth of strata 0 ft

Method of sealing strata off:

Pump: Manufacturers Name:

Type: HP:

Water Levels: Land-surface elvation above mean sea level 120 ft

Static level 0 ft below top of well. Date:

Artesian pressure 0 lbs per square in. Date

Artesian water is controlled by:

Well Tests:

Was a pump test made? ☐ Yes ☑ No If yes by whom?

Yield: 0 gal/min with 0 ft drawdown after 0 hrs

Yield: 0 gal/min with 0 ft drawdown after 0 hrs

Yield: 0 gal/min with 0 ft drawdown after 0 hrs

Time	Water Level	Time	Water Level	Time	Water Level
	0		0		0
	0		0		0
	0		0		0

Pump Test Date:

Bailer Test 0 gal/min with 0 ft drawdown after 0 hrs

Airtest 0 w/stem set at 0 ft for 0 hrs

Artesian flow 0 g.p.m Date

Temp of Water: Was a chemical analysis made? ☐ Yes ☑ No

Current:

Notice of Intent No: W272763

Unique Ecology Well ID Tag No BAF056

Water Right Permit No:

Property Owner Name: Ed Mahlum

Well Street Address: 14624 Spargur Loop Rd

City B.I. County: #18 KITSAP

Location SW 1/4-1/4 SE 1/4 Sec 34 Twn: 26N R: 2

Lat Deg: Lat Min/Sec: ☑ EWM ☐ WWM

Long Deg: Long Deg/Sec:

Tax Parcel No: 34260240142000

Construction or Decommission Procedure

Formation: Describe by color, character, size of material and structure, and the kind and nature of material in each stratum penetrated, with at least one entry for each change of information indicate all the water encountered.

Material		From	To
Loam sandy w/rocks	brown	0	3
Hardpan rocky	brown	3	23
Hardpan sandy w/ rocks	brown	23	38
sand bound w/rocks	brown	38	51
Silt compact hard	blue	51	96
Silt compact sticky	blue	96	127
Silt compact hard	blue	127	388
Silt compact	blue	388	503
Silt compact hard	blue	503	701
Silt compact hard w/grits	blue	701	
		0	0
		0	0
		0	0
		0	0
		0	0
		0	0
to be completed with a mud rotary		0	0
		0	0
		0	0
		0	0
		0	0
		0	0
		0	0
		0	0
		0	0
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		0	0
		0	0

RECEIVED

FEB 24 2009

DEPT. OF ECOLOGY

Start Date: 12/5/2008 Completed Date: 1/29/2009

Well Construction Certification: I constructed and/or accept responsibility for the construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

☑ Driller ☐ Engineer ☐ Trainee Name: Glen Crabtree

Driller/Engineer/Trainee Signature: Glen Crabtree

Driller or Trainee License No: 1443

If trainee, licensed driller's

Signature and License No.

Drill Co Name: Crabtree Well Drilling

Address: 33349 Eglon Rd NE

City,State,Zip: Kingston, WA 98346-

Contractors Registration No: CRABTDC09702 Date: 2/7/2009

File Original and First Copy with Department of Ecology
Second Copy—Owner's Copy
Third Copy—Driller's Copy

WATER WELL REPORT

STATE OF WASHINGTON

Start Card No. 040800

Water Right Permit No. 26/2E/34 N

(1) **OWNER:** Name Mr. Mark Alimono Address 1412 Elizbeth Place, B.I. 98110

(2) **LOCATION OF WELL:** County Kitsap SW ¼ SW ¼ Sec. 34 T. 26 N., R. 2E W.M.

(2a) **STREET ADDDRESS OF WELL** (or nearest address) 8494 Hidden Cove Road N.E.

(3) **PROPOSED USE:** [X] Domestic [ ] Irrigation [ ] DeWater [ ] Industrial [ ] Test Well [ ] Municipal [ ] Other

(4) **TYPE OF WORK:** Owner's number of well (if more than one) _____
Abandoned [ ] New well [X] Deepened [ ] Reconditioned [ ] Method: Dug [ ] Cable [X] Rotary [ ] Bored [ ] Driven [ ] Jetted [ ]

(5) **DIMENSIONS:** Diameter of well 6 inches. Drilled 444 feet. Depth of completed well 444 ft.

(6) **CONSTRUCTION DETAILS:**
Casing Installed: 6 " Diam. from 0 ft. to 434 ft.
Welded [X] Liner installed [ ] Threaded [ ] _____ " Diam. from _____ ft. to _____ ft.
_____ " Diam. from _____ ft. to _____ ft.

Perforations: Yes [ ] No [X]
Type of perforator used _____
SIZE of perforations _____ in. by _____ in.
_____ perforations from _____ ft. to _____ ft.
_____ perforations from _____ ft. to _____ ft.
_____ perforations from _____ ft. to _____ ft.

Screens: Yes [X] No [ ]
Manufacturer's Name Johnson
Type stainless steel Model No. _____
Diam. 6 Slot size 6 from 434 ft. to 444 ft.
Diam. _____ Slot size _____ from _____ ft. to _____ ft.

Gravel packed: Yes [ ] No [X] Size of gravel _____
Gravel placed from _____ ft. to _____ ft.

Surface seal: Yes [X] No [ ] To what depth? 18 ft.
Material used in seal Bentonite
Did any strata contain unusable water? Yes [ ] No [X]
Type of water? _____ Depth of strata _____
Method of sealing strata off _____

(7) **PUMP:** Manufacturer's Name Goulds
Type: submersible 5ES07 H.P. 3/4

(8) **WATER LEVELS:** Land-surface elevation above mean sea level _____ ft.
Static level 24 ft. below top of well Date 5/23/91
Artesian pressure _____ lbs. per square inch Date _____
Artesian water is controlled by _____ (Cap, valve, etc.)

(9) **WELL TESTS:** Drawdown is amount water level is lowered below static level
Was a pump test made? Yes [ ] No [ ] If yes, by whom? _____
Yield: _____ gal./min. with _____ ft. drawdown after _____ hrs.
" " " "
" " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test _____
Bailer test 3 gal./min. with 280 ft. drawdown after 2 hrs.
Airtest _____ gal./min. with stem set at _____ ft. for _____ hrs.
Artesian flow _____ g.p.m. Date _____
Temperature of water 50 Was a chemical analysis made? Yes [ ] No [X]

(10) **WELL LOG or ABANDONMENT PROCEDURE DESCRIPTION**

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of information.

MATERIAL	FROM	TO
Brown overburden	0	2
Grey silty clay	2	31
Grey silty clay	31	38
Grey clay	38	175
Grey silty clay	175	197
Blue sticky clay	197	283
Grey silty clay	283	326
Grey clay	326	355
Blue clay	355	400
Grey silty clay	400	402
Grey clay	402	419
Grey sandy clay	419	436
Grey fine sand & H20	436	444

RECEIVED
JUN 25 1991
DEPT. OF ECOLOGY

Work started 5/14/91 19. Completed 5/23/91 19

WELL CONSTRUCTOR CERTIFICATION:

I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

NAME Gresham Well Drilling (PERSON, FIRM, OR CORPORATION) (TYPE OR PRINT)

Address 3105 N.W. Lakeness Rd., Poulsbo 98370

(Signed) _____ (WELL DRILLER) License No. 0761

Contractor's Registration No. GRESHWD206NF Date 5/31/91 19

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20 (10-87) -1329- 3

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

25/02-20 J

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT

STATE OF WASHINGTON

Application No. .....

Permit No. .....

(1) OWNER: Name Mary Allowed Address Spring Ridge Rd, B. I. Wash.

(2) LOCATION OF WELL: County Kitsap SE¼ of SE¼ of NE¼ SE¼ Sec. 20 T. 25 N., R. 2 E. W.M.

Bearing and distance from section or subdivision corner

(3) PROPOSED USE: Domestic ☒ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

(4) TYPE OF WORK: Owner's number of well (if more than one) .....
New well ☒ Method: Dug ☐ Bored ☐
Deepened ☐ Cable ☒ Driven ☐
Reconditioned ☐ Rotary ☐ Jetted ☐

(5) DIMENSIONS: Diameter of well 6 inches.
Drilled 103 ft. Depth of completed well 103 ft.

(6) CONSTRUCTION DETAILS:

Casing installed: ..." Diam. from ... ft. to ... ft.
Threaded ☐ ..." Diam. from ... ft. to ... ft.
Welded ☒ 6 " Diam. from 0 ft. to 97 ft.

Perforations: Yes ☐ No ☒
Type of perforator used .....
SIZE of perforations ... in. by ... in.
... perforations from ... ft. to ... ft.
... perforations from ... ft. to ... ft.
... perforations from ... ft. to ... ft.

Screens: Yes ☒ No ☐ Johnson
Manufacturer's Name .....
Type Stainless Model No. .....
Diam. ... Slot size ... from ... ft. to ... ft.
Diam. 6 Slot size 12 from 97 ft. to 103 ft.

Gravel packed: Yes ☐ No ☒ Size of gravel: .....
Gravel placed from ... ft. to ... ft.

Surface seal: Yes ☒ No ☐ To what depth? 20 ft.
Material used in seal Bentonite
Did any strata contain unusable water? Yes ☐ No ☒
Type of water? ... Depth of strata ...
Method of sealing strata off .....

(7) PUMP: Manufacturer's Name Sta-rite
Type: Jet H.P. ¾

(8) WATER LEVELS: Land-surface elevation above mean sea level .... 120 ft.
Static level 83 ft. below top of well Date 12-3-81
Artesian pressure ... lbs. per square inch Date ...
Artesian water is controlled by ... (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☒ No ☐ If yes, by whom? Driller
Yield: 14 gal./min. with 6 ft. drawdown after 3 hrs.
" " " " "
" " " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test .....
Bailer test 14 gal./min. with 4 ft. drawdown after 3 hrs.
Artesian flow ... g.p.m. Date ...
Temperature of water ... Was a chemical analysis made? Yes ☐ No ☒

(10) WELL LOG:

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL		FROM	TO
Clayish top soil	Brown	0	3
Gravel cemented	"	3	9
Hard pan	"	9	18
Hard pan	Gray	18	26
Hard pan	Brown	26	37
Sand & gravel cemented	"	37	43
Gravel	Gray	43	49
Clay	Blue	49	57
Silt	Brown	57	72
Silt	Gray	72	77
Hard pan	"	77	87
Gravel cemented	"	87	91
Sand & gravel cemented	Blue	91	93
Sand & gravel	"	93	102
Clay	"	102	—

Work started Nov. 20, 1981 Completed Dec. 4, 1981

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME CRABTREE DRILLING CO.
(Person, firm, or corporation) (Type or print)

Address 33349 EGLON RD, N.E. KINGSTON

[Signed] Jerry Crabtree
(Well Driller)

License No. 82 Date Dec. 6, 1981

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20

ENTERED

23-2E-4R

T23N/02E-4R

Start Card No. W072087

UNIQUE WELL I.D. # ACO 373

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT

STATE OF WASHINGTON

Water Right Permit No. _____

(1) OWNER: Name PUD No1 OF KITSAP COUNTY Address PO BOX 1989 POULSBO WA 98370

(2) LOCATION OF WELL: County KITSAP S½ SE 1/4 SE 1/4 Sec 4 T. 23 N., R 2E W.M.

(2a) STREET ADDRESS OF WELL (or nearest address) 700'W AND 400'N OF SE COR SEC 4

(3) PROPOSED USE: ☐ Domestic ☐ Industrial ☐ Municipal ☐ ☐ Irrigation ☐ Test Well ☒ Other ☐ ☐ DeWater

(4) TYPE OF WORK: Owner's number of well (if more than one) MANCHESTER MONITOR WELL

Abandoned ☐ New well ☒ Method: Dug ☐ Bored ☐ Deepened ☐ Cable ☒ Driven ☐ Reconditioned ☐ Rotary ☐ Jetted ☐

(5) DIMENSIONS: Diameter of well 10 inches. Drilled 996 feet. Depth of completed well 990 ft.

(6) CONSTRUCTION DETAILS:

Casing Installed: 12" Diam. from +0.4 ft. to 701 ft.
Welded ☒ 10" Diam. from +2.6 ft. to 934 ft.
Liner installed ☐
Threaded ☐ _____ Diam. from _____ ft. to _____ ft.

RECEIVED
DEC 15 1997
Department of Ecology

Perforations: Yes ☐ No ☒
Type of perforator used _____
SIZE of perforations _____ in by _____ in.
_____ perforations from _____ ft. to _____ ft.
_____ perforations from _____ ft. to _____ ft.
_____ perforations from _____ ft. to _____ ft.

Screens: Yes ☒ No ☐
Manufacturer's Name JOHNSON
Type STAINLESS Model No. _____
Diam 8 PS Slot size 10 from 935 ft. to 940 ft.
Diam 8 PS Slot size 12 from 940 ft. to 945 ft.
Diam 4 PS Slot size 15 from 970 ft. to 975 ft.

Gravel packed: Yes ☐ No ☒ Size of gravel _____
Gravel placed from 15 ft. to 980 ft. to 985 ft.

Surface seal: Yes ☒ No ☐ To what depth? 18 ft.
Material used in seal BENTONITE
Did any strata contain unusable water? Yes ☐ No ☒
Type of water? _____ Depth of strata _____
Method of sealing strata off _____

(7) PUMP: Manufacturer's Name N.A.
Type: _____ H.P. _____

(8) WATER LEVELS: Land-surface elevation above mean sea level 299'MSL (ALTIMETER)
Static level 255.3 ft. below top of well Date 9/15/97
Artesian pressure _____ lbs. per square inch Date _____
Artesian water is controlled by _____ (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☒ No ☐ If yes, by whom? KPUD
Yield: 188 gal./min. with 114.1 ft. drawdown after 9 hrs.
" " " "
" " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level
0	369.67	10	257.33	120	256.48
1	278.0	20	256.95	900	255.70
5	260.55	60	256.66	1381	255.17

Date of test 9/15/97
Bailer test _____ gal./min. with _____ ft. drawdown after _____ hrs.
Airtest _____ gal./min. with stem set at _____ ft. for _____ hrs.
Artesian flow _____ g.p.m. Date _____
Temperature of water 52 Was a chemical analysis made? Yes ☒ No ☐

(10) WELL LOG or ABANDONMENT PROCEDURE DESCRIPTION

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of information.

MATERIAL	FROM	TO
BRN SILT + SILTY SAND	0	30
MED GRAY SILTY CLAY	30	66
GRY SILT W/SILTY SAND + PEATY SAND LAYERS	66	136
GRY SILTY CLAY W/ SAND SEAMS	136	180
GRY SILTY CLAY	180	190
GRY SILTY W/ SOME GVL + SAND	190	230
GRY SILT	230	250
GRY SILT + GVL	250	268
GRY-BRN SAND + GVL, OCC BOULDER, POORLY SORTED, WB	268	310
GRY-BRN SAND + GVL, WELL SORTED	310	318
GRY FINE TO MED SAND, GRADES FINER W/ DEPTH, WB	318	345
GRY SILT, SOME SAND SEAMS, OCC GVL	345	427
GRY SANDY SILT, VERY DENSE	427	440
GRY SILTY FINE TO MED SAND, WB	440	463
GRY VERY DENSE SANDY SILT + CLAY, GRAVELLY	463	508
GRY SILTY CLAY + SILT, TIGHT	508	600
GRY FINE SILT, SANDY SILT + CLAY	600	720
GRY VERY FINE SILTY SAND + SANDY SILT, DAMP	720	811
BRN-GRY SILTY FINE SAND, OCC SMALL GVL, WB	811	875
BRN-GRY SILTY V. FINE SAND, SOME CLAY, OCC SMALL GVL, WB	875	912
GRY-BRN F-M VERY SILTY SAND OCC GVL, WOOD, WB	912	940
GRY-BRN F-M SILTY SAND, OCC GVL, GRADES COARSER, WB	940	970
GRY-BRN MED SILTY SAND, LAYERS SANDY SILT, GRAVELLY LAYERS, WB	970	996

Work Started 6/5/97 19. Completed 8/22/97 19

WELL CONSTRUCTOR CERTIFICATION:

I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

NAME HOLT DRILLING, INC (PERSON, FIRM, OR CORPORATION) (TYPE OR PRINT)

Address 10621 TODD ROAD E., PUYALLUP

(Signed) _____ (WELL DRILLER) License No. 1099

Contractor's Registration No. HOLTDI 1360G Date 11-5 19 97

(USE ADDITIONAL SHEETS IF NECESSARY)

ECL 050-1-20 (2/93)

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT

STATE OF WASHINGTON

L51000-03

Application No. .....

Permit No. .....

(1) OWNER: Name MANZANITA WATER CO. Address MILLER RD. NE, BAINBRIDGE Is.

(2) LOCATION OF WELL: County KITSAP SW ¼ NE ¼ Sec 9 T 25 N., R 2E W.M.

Bearing and distance from section or subdivision corner

(3) PROPOSED USE: Domestic ☐ Industrial ☐ Municipal ☐
(15 Home System) Irrigation ☐ Test Well ☐ Other ☒

(4) TYPE OF WORK: Owner's number of well (if more than one) 3
New well ☐ Method: Dug ☐ Bored ☐
Deepened ☒ Cable ☒ Driven ☐
Reconditioned ☐ Rotary ☐ Jetted ☐

(5) DIMENSIONS: Diameter of well 8 inches.
Drilled ..... ft. Depth of completed well ..... ft.

(6) CONSTRUCTION DETAILS:
Casing installed: 8 " Diam. from +1 ft. to 140 ft.
Threaded ☐ " Diam. from ..... ft. to ..... ft.
Welded ☒ " Diam. from ..... ft. to ..... ft.

Perforations: Yes ☐ No ☒
Type of perforator used .....
SIZE of perforations ..... in. by ..... in.
perforations from ..... ft. to ..... ft.
perforations from ..... ft. to ..... ft.
perforations from ..... ft. to ..... ft.

Screens: Yes ☒ No ☐ Manufacturer's Name JOHNSON
Type STAINLESS W/RISER Model No. TRILPIPE
Diam. 8 Slot size .250 from 121 ft. to 140 ft.
Diam. ..... Slot size ..... from ..... ft. to ..... ft.

Gravel packed: Yes ☐ No ☒ Size of gravel: .....
Gravel placed from ..... ft. to ..... ft.

Surface seal: Yes ☒ No ☐ To what depth? 18 ft.
Material used in seal BENTONITE
Did any strata contain unusable water? Yes ☐ No ☐
Type of water? ..... Depth of strata .....
Method of sealing strata off .....

(7) PUMP: Manufacturer's Name FLINT & WALLING
Type: SUB. Model 4F55A30 H.P. 5

(8) WATER LEVELS: Land-surface elevation above mean sea level .... 110 +60? ft.
Static level 51.82 ft. below top of well Date 5-3-87
Artesian pressure ..... lbs. per square inch Date .....
Artesian water is controlled by ..... (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☒ No ☐ If yes, by whom? OWNERS
Yield: 48.5 gal./min. with 10 ft. drawdown after 1½ hrs.
" " " "
" " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level) t in min.

Time	Water Level	Time	Water Level	Time	Water Level
0	62.18	10	57.10	29	56.75
½	59.20	15	56.89	44	56.77
1	57.63	19	56.83	69	56.97

Date of test 5-3-87
Bailer test ..... gal./min. with ..... ft. drawdown after ..... hrs.
Artesian flow ..... g.p.m. Date .....
Temperature of water ..... Was a chemical analysis made? Yes ☐ No ☒

(10) WELL LOG:
Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL	FROM	TO
OVERBURDEN	0	1
BRN. GRAVELLY HARDPAN	1	5
BLUE GRAVELLY CLAY	5	10
GRAY GRAVELLY HARDPAN	10	20
BRN. GRAVELLY HARDPAN	20	53
BLUE " "		
BLUE SAND & GRAVEL H2O	56	64
BLUE GRITTY CLAY	64	71
" GRAVELLY HARDPAN	71	82
BLUE SAND & GRAVEL & H2O	82	87
BLUE GRAVELLY HARDPAN	87	92
BLUE SAND & GRAVEL & H2O	92	96
BLUE GRAVELLY CLAY	96	106
BLUE SAND & GRAVEL & H2O	106	116
BLUISH BRN. CLAY	116	119
COARSE BLUE SAND & GRAVEL & H2O	119	140

Work started 4/24, 1987 Completed 4/30, 1987

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME MATHEWS WELL DRILLING
(Person, firm, or corporation) (Type or print)

Address P.O. B. 1643 POULSBO WA. 98370

[Signed] JOHN MATHEWS
(Well Driller)

License No. 1137 Date 5/15, 1987

(USE ADDITIONAL SHEETS IF NECESSARY)

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT
STATE OF WASHINGTON

Application No 7/0 3/16
Permit No

(1) OWNER: Name North Bainbridge Water Co. Address P.O. Box 4766 Rolling Bay 98061

(2) LOCATION OF WELL: County Kitsap — ~~SW~~ ¼ NE ¼ Sec 2 T 25 N., R 2E W.M.

Bearing and distance from section or subdivision corner NB#2

(3) PROPOSED USE: Domestic ☒ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

(4) TYPE OF WORK: Owner's number of well (if more than one) #4
New well ☐ Method: Dug ☐ Bored ☐
Deepened ☒ Cable ☒ Driven ☐
Reconditioned ☐ Rotary ☐ Jetted ☐

(5) DIMENSIONS: Diameter of well 8 inches.
Drilled 47 ft. Depth of completed well 75 ft.

(6) CONSTRUCTION DETAILS:

Casing installed: 8 " Diam. from 28 ft. to 75 ft.
Threaded ☐ " Diam. from ft. to ft.
Welded ☒ " Diam. from ft. to ft.

Perforations: Yes ☐ No ☒
Type of perforator used
SIZE of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

Screens: Yes ☒ No ☐
Manufacturer's Name Johnson
Type Stainless steel Model No
Diam 8 Slot size 30 from 60 ft. to 75 ft.
Diam Slot size from ft. to ft.

Gravel packed: Yes ☐ No ☒ Size of gravel:
Gravel placed from ft. to ft.

Surface seal: Yes ☐ No ☐ To what depth? ft.
Material used in seal
Did any strata contain unusable water? Yes ☐ No ☒
Type of water? Depth of strata
Method of sealing strata off

(7) PUMP: Manufacturer's Name None
Type: H.P.

(8) WATER LEVELS: Land-surface elevation above mean sea level 420 ft.
Static level 22.1" ft. below top of well Date 2/26/86
Artesian pressure lbs. per square inch Date
Artesian water is controlled by (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☒ No ☐ If yes, by whom? Driller
Yield: 96 gal./min. with 37.5" ft. drawdown after 4 hrs.
" SEE ATTACHED" " "
" " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test
Baller test gal./min. with ft. drawdown after hrs.
Artesian flow g.p.m. Date
Temperature of water 50 Was a chemical analysis made? Yes ☐ No ☒

(10) WELL LOG:

Formation: *Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.*

MATERIAL	FROM	TO
Start drilling & casing	28	
Sand & gravel - H20	28	38
Blue clay	38	60
Sand & gravel	60	75
Blue clay	75	78
Sand & H20	78	84
Blue clay	85	--

Work started 2/26 19 86 Completed 3/4 19 86

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME GRESHAM WELL DRILLING
(Person, firm, or corporation) (Type or print)

Address 3105 N.W. LAKENESS RD. POULSBO 98370

[Signed] (Well Driller)

License No. 0761 Date 3/7 19 86

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

Bruner, Marian (ECY)

From: Marty Sebren [marty@kpud.org]
Sent: Friday, February 26, 2010 12:55 PM
To: Bruner, Marian (ECY)
Subject: RE: Well Logs contact

Marian,
Here are some additional corrections; and I'm sure there will be others.
Martin

well_log_id	well_tag_nr
291718	AAB455
291719	AAB455
68860	AAC832
68861	AEK853
68862	AAC826
68863	AEK854
68864	AEK852
117239	AAB455
291720	AAB455
70177	AEK855
61871	AAA113

From: Bruner, Marian (ECY) [mailto:mbru461@ECY.WA.GOV]
Sent: Wednesday, February 24, 2010 8:20 AM
To: Marty Sebren
Subject: RE: Well Logs contact

Thank you very much! Those changes will be made.

Marian

From: Marty Sebren [mailto:marty@kpud.org]
Sent: Tuesday, February 23, 2010 3:05 PM
To: Bruner, Marian (ECY)
Subject: Well Logs contact

To Whom It May Concern:

In the table below I have associated **well_log_id** with **well_tag_nr** for a number of older Kitsap PUD well logs where your system currently lacks the well_tag_nr. Please update your system with the **well_tag_nr** provided here.

well_log_id	well_tag_nr	well_depth_qt	well_diameter_qt	well_owner_nm
66900	AAA106	212	12	KITSAP COUNTY PUD
66901	AAC799	364	12	KITSAP COUNTY PUD #1
66902	AAA111	1030	6	KITSAP COUNTY PUD #1
66903	AAA110	402	8	KITSAP COUNTY PUD #1
66904	AAA012	805	10	KITSAP COUNTY PUD #1
66905	AAA014	338	12	KITSAP COUNTY PUD NO. 1
66910	AAC340	1070	6	KITSAP PUD #1

The Division of Water Resources
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT
STATE OF WASHINGTON

25/2-9 H

Application No. .....
Permit No. .....

(1) **OWNER:** Name Rolling Bay Water Co. Address Bainbridge Island, Wash.

(2) **LOCATION OF WELL:** County Kitsap — SE ¼ NE ¼ Sec. 9 T. 25 N., R. 2E W.M.

ring and distance from section or subdivision corner

(3) **PROPOSED USE:** Domestic ☐ Industrial ☐ Municipal ☒
Irrigation ☐ Test Well ☐ Other ☐

(4) **TYPE OF WORK:** Owner's number of well (if more than one).... #5
New well ☒ Method: Dug ☐ Bored ☐
Deepened ☐ Cable ☐ Driven ☐
Reconditioned ☐ Rotary ☐ Jetted ☐

(5) **DIMENSIONS:** Diameter of well 8 inches.
Drilled 108 ft. Depth of completed well 108 ft.

(6) **CONSTRUCTION DETAILS:**

Casing installed: 8 " Diam. from 0 ft. to 108 ft.
Threaded ☐ ____ " Diam. from ____ ft. to ____ ft.
Welded ☐ ____ " Diam. from ____ ft. to ____ ft.

Perforations: Yes ☐ No ☒
Type of perforator used ____
SIZE of perforations ____ in. by ____ in.
____ perforations from ____ ft. to ____ ft.
____ perforations from ____ ft. to ____ ft.
____ perforations from ____ ft. to ____ ft.

Screens: Yes ☒ No ☐
Manufacturer's Name Johnson
Type Stainless Steel Model No. ____
Diam. 8 Slot size 14 from 98 ft. to 108 ft.
Diam. ____ Slot size ____ from ____ ft. to ____ ft.

Gravel packed: Yes ☐ No ☒ Size of gravel: ____
Gravel placed from ____ ft. to ____ ft.

Surface seal: Yes ☒ No ☐ To what depth? 10 ft.
Material used in seal Cement
Did any strata contain unusable water? Yes ☐ No ☐
Type of water? ____ Depth of strata ____
Method of sealing strata off ____

(7) **PUMP:** Manufacturer's Name Sta-Rite
Type: Submersible H.P. 2½

(8) **WATER LEVELS:** Land-surface elevation above mean sea level.... ____ ft.
Static level 13 ft. below top of well Date ____
Artesian pressure ____ lbs. per square inch Date ____
Artesian water is controlled by ____ (Cap, valve, etc.)

(9) **WELL TESTS:** Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☒ No ☐ If yes, by whom? Driller
Yield: 150 gal./min. with 45 ft. drawdown after 6 hrs.
" " " "
" " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test ____
Bailer test ____ gal./min. with ____ ft. drawdown after ____ hrs.
Artesian flow ____ g.p.m. Date ____
Temperature of water ____ Was a chemical analysis made? Yes ☐ No ☐

(10) **WELL LOG:** #6 East Well (BB)

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL	FROM	TO
Top Soil	0	1
Hard pan	1	29
Sand & Gravel, Water	29	42
Cemented Gravel	42	76
Blue Clay	76	95
Sand & Gravel, Water	95	108

Work started ____, 19 ____ Completed 11-3, 19 20

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME Burt Well Drilling
(Person, firm, or corporation) (Type or print)

Address Route 1, Box 253 Poulsbo, Wn.

[Signed] Jesse D Burt
(Well Driller)

License No. 233 Date 4-5, 19 21

(USE ADDITIONAL SHEETS IF NECESSARY)

S. F. No. 7256—(Rev. 3-66)—3-66—5M. 4516.

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

Bruner, Marian (ECY)

From: Marty Sebren [marty@kpud.org]
Sent: Friday, February 26, 2010 12:55 PM
To: Bruner, Marian (ECY)
Subject: RE: Well Logs contact

Marian,
Here are some additional corrections, and I'm sure there will be others.
Martin

well_log_id	well_tag_nr
291718	AAB455
291719	AAB455
68860	AAC832
68861	AEK853
68862	AAC826
68863	AEK854
68864	AEK852
117239	AAB455
291720	AAB455
70177	AEK855
61871	AAA113

From: Bruner, Marian (ECY) [mailto:mbru461@ECY.WA.GOV]
Sent: Wednesday, February 24, 2010 8:20 AM
To: Marty Sebren
Subject: RE: Well Logs contact

Thank you very much! Those changes will be made.

Marian

From: Marty Sebren [mailto:marty@kpud.org]
Sent: Tuesday, February 23, 2010 3:05 PM
To: Bruner, Marian (ECY)
Subject: Well Logs contact

To Whom It May Concern:

In the table below I have associated **well_log_id** with **well_tag_nr** for a number of older Kitsap PUD well logs where your system currently lacks the well_tag_nr. Please update your system with the **well_tag_nr** provided here.

well_log_id	well_tag_nr	well_depth_qt	well_diameter_qt	well_owner_nm
66900	AAA106	212	12	KITSAP COUNTY PUD
66901	AAC799	364	12	KITSAP COUNTY PUD #1
66902	AAA111	1030	6	KITSAP COUNTY PUD #1
66903	AAA110	402	8	KITSAP COUNTY PUD #1
66904	AAA012	805	10	KITSAP COUNTY PUD #1
66905	AAA014	338	12	KITSAP COUNTY PUD NO. 1
66910	AAC340	1070	6	KITSAP PUD #1

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

405804

25-2 E-9K

WATER WELL REPORT

Original & 1st copy – Ecology, 2nd copy – owner, 3rd copy – driller

DEPARTMENT OF ECOLOGY State of Washington

Construction/Decommission *("x" in circle)*

☐ Construction

☒ Decommission *ORIGINAL INSTALLATION*

Notice of Intent Number _____

PROPOSED USE: ☐ Domestic ☐ Industrial ☐ Municipal ☐ DeWater ☐ Irrigation ☐ Test Well ☐ Other _____

TYPE OF WORK: Owner's number of well (if more than one) _____

☐ New well ☐ Reconditioned *Method:* ☐ Dug ☐ Bored ☐ Driven ☐ Deepened ☐ Cable ☐ Rotary ☐ Jetted

DIMENSIONS: Diameter of well 8 inches, drilled _____ ft. Depth of completed well 44ft.

CONSTRUCTION DETAILS

Casing Installed: ☒ Welded 8" Diam. from 0 ft. to 39 ft.

☐ Liner installed _____" Diam. from _____ ft. to _____ ft.

☐ Threaded _____" Diam. From _____ ft. to _____ ft.

Perforations: ☒ Yes ☐ No

Type of perforator used MILLS KNIFE

SIZE of perfs 1/4in. by 2 in. and no. of perfs 4from 5ft. to 38ft.

Screens: ☒ Yes ☐ No ☐ K-Pac Location _____

Manufacturer's Name _____

Type _____ Model No. _____

Diam. 8Slot size _____ from 39 ft. to 44 ft.

Diam. _____Slot size _____ from _____ ft. to _____ ft.

Gravel/Filter packed: ☐ Yes ☒ No Size of gravel/sand _____

Materials placed from _____ ft. to _____ ft.

Surface Seal: ☐ Yes ☐ No To what depth? _____ft.

Material used in seal _____

Did any strata contain unusable water? ☐ Yes ☐ No

Type of water? _____ Depth of strata _____

Method of sealing strata off _____

PUMP: Manufacturer's Name _____

Type: _____ H.P. _____

WATER LEVELS: Land-surface elevation above mean sea level _____ ft.

Static level 22ft. below top of well Date 2/16/11

Artesian pressure _____ lbs. per square inch Date _____

Artesian water is controlled by _____ (cap, valve, etc.)

WELL TESTS: Drawdown is amount water level is lowered below static level

Was a pump test made? ☐ Yes ☒ No If yes, by whom? _____

Yield: _____gal./min. with _____ft. drawdown after _____hrs.

Yield: _____gal./min. with _____ft. drawdown after _____hrs.

Yield: _____gal./min. with _____ft. drawdown after _____hrs.

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test _____

Bailer test _____ gal./min. with _____ft. drawdown after _____hrs.

Airtest _____gal./min. with stem set at _____ft. for _____hrs.

Artesian flow _____g.p.m. Date _____

Temperature of water _____ Was a chemical analysis made? ☐ Yes ☒ No

CURRENT

Notice of Intent No. A105454

Unique Ecology Well ID Tag No. _____

Water Right Permit No. _____

Property Owner Name MANZANITA WATER CO.

Well Street Address NX 2 11951 MILLER RD NE

City BAINBRIDGE IS County KITSAP

Location NW1/4-1/4 SE1/4 Sec 9 Twn 25N R 2 **(s, t, r Still REQUIRED)** EWM ☒ Or WWM ☐

Lat/Long Lat Deg _____ Lat Min/Sec _____ Long Deg _____ Long Min/Sec _____

Tax Parcel No. (Required)41580020120103

CONSTRUCTION OR DECOMMISSION PROCEDURE

Formation: Describe by color, character, size of material and structure, and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of information. (USE ADDITIONAL SHEETS IF NECESSARY.)

MATERIAL	FROM	TO
DECOMMISSIONED AS PER WAC#		
173-160-381-1A		
PERFORATED CASING-4 PER ROW	5	38
PRESSURE GROUT/NEAT CEMENT	0	38
BENTONITE CHIPS/FILL SCREEN	38	44

RECEIVED FEB 23 2011 WATER RESOURCES - NWRO

Start Date 2/16/11 Completed Date 2/16/11

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

☒ Driller ☐ Engineer ☐ Trainee Name (Print) DONALD D DUCKWORTH

Driller/Engineer/Trainee Signature _____

Driller or trainee License No. 1147

IF TRAINEE: Driller's License No:

Driller's Signature:

Drilling Company DUCKWORTH PUMP & DRILL

Address 18453 DIAMOND DR NE

City, State, Zip POULSBO , WA, 98370

Contractor's Registration No. DUCKWPW942R2 Date 2/22/2011

ECY 050-1-20 (Rev 02/10) *If you need this document in an alternate format, please call the Water Resources Program at 360-407-6872. Persons with hearing loss can call 711 for Washington Relay Service. Persons with a speech disability can call 877-833-6341.*

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT

STATE OF WASHINGTON

Application No. 25/c2-24 A

Permit No. .....

(1) OWNER: Name MICHAEL BECHTEL Address SPRINGRIDGE RD, BAINBRIDGE ISLAND, WASH.

(2) LOCATION OF WELL: County KITSAP — NE ¼ NE ¼ Sec 29 T 25 N., R. 2E W.M.

Bearing and distance from section or subdivision corner

(3) PROPOSED USE: Domestic ☐ Industrial ☐ Municipal ☒
Irrigation ☐ Test Well ☐ Other ☐

(4) TYPE OF WORK: Owner's number of well (if more than one) .....
New well ☒ Method: Dug ☐ Bored ☐
Deepened ☐ Cable ☒ Driven ☐
Reconditioned ☐ Rotary ☐ Jetted ☐

(5) DIMENSIONS: Diameter of well 6 inches.
Drilled 305 ft. Depth of completed well 305 ft.

(6) CONSTRUCTION DETAILS:

Casing installed: 6 " Diam. from 0 ft. to 301 ft.
Threaded ☐ ..... " Diam. from ..... ft. to ..... ft.
Welded ☐ ..... " Diam. from ..... ft. to ..... ft.

Perforations: Yes ☐ No ☒
Type of perforator used .....
SIZE of perforations ..... in. by ..... in.
..... perforations from ..... ft. to ..... ft.
..... perforations from ..... ft. to ..... ft.
..... perforations from ..... ft. to ..... ft.

Screens: Yes ☒ No ☐
Manufacturer's Name JOHNSON
Type telescope Model No. .....
Diam. 6 Slot size 12 from 301 ft. to 305 ft.
Diam. ..... Slot size ..... from ..... ft. to ..... ft.

Gravel packed: Yes ☐ No ☒ Size of gravel: .....
Gravel placed from ..... ft. to ..... ft.

Surface seal: Yes ☒ No ☐ To what depth? 20 ft.
Material used in seal BENTONITE
Did any strata contain unusable water? Yes ☐ No ☐
Type of water? ..... Depth of strata .....
Method of sealing strata off .....

(7) PUMP: Manufacturer's Name FLINT + WALLING
Type: ..... H.P. .....

(8) WATER LEVELS: Land-surface elevation above mean sea level .... 300 ? ft.
Static level 158' ft. below top of well Date 3-21-77
Artesian pressure ..... lbs. per square inch Date .....
Artesian water is controlled by ..... (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☒ No ☐ If yes, by whom? J. BACH
Yield: 7 gal./min. with 200 ft. drawdown after 72 hrs.
" " " "
" " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test 3-20-77
Bailer test 8 gal./min. with 200 ft. drawdown after 2 hrs.
Artesian flow ..... g.p.m. Date .....
Temperature of water ..... Was a chemical analysis made? Yes ☐ No ☒

(10) WELL LOG:

Formation: *Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.*

MATERIAL	FROM	TO
topsoil	0	2
brown hardpan	2	35
sandy clay	35	46
brown hardpan	46	112
fine sand	112	113
fine sand, water (water level dropped)	113	125
blue clay	125	231
silt	231	260
blue clay	260	301
fine sand, water	301	305

Work started 2-23, 19 77 Completed 3-21, 19 77

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME JIM BACH DRILLING CO.
(Person, firm, or corporation) (Type or print)

Address P.O. BOX 10452, BAINBRIDGE ISL, WASH.

[Signed] ..... (Well Driller)

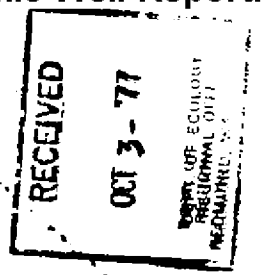
License No. 21 Date 3-21, 19 77

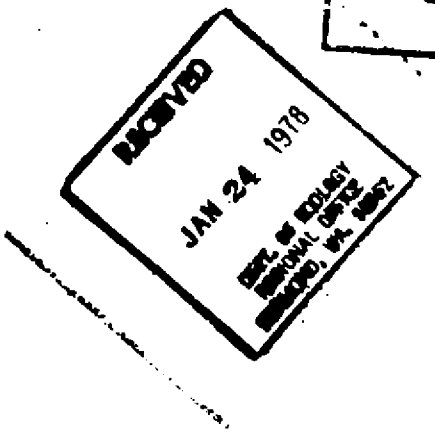
(USE ADDITIONAL SHEETS IF NECESSARY)

S. F. No. 7356—OS—(Rev. 4-71).

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.





24/2E - 4A

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT
STATE OF WASHINGTON

Application No. G1-24392
Permit No. G1-24392P

(1) OWNER: Name Morrie G. Blossom Address 4689 Lynwood Center Rd. N.E.

(2) LOCATION OF WELL: County Kitsap — NE¼ NE¼ Sec 4 T 24 N., R 2E W.M.

Bearing and distance from section or subdivision corner

(3) PROPOSED USE: Domestic ☐ Industrial ☐ Municipal ☐ Irrigation ☐ Test Well ☐ Other ☐

(4) TYPE OF WORK: Owner's number of well (if more than one)
New well ☒ Method: Dug ☐ Bored ☐
Deepened ☐ Cable ☒ Driven ☐
Reconditioned ☐ Rotary ☐ Jetted ☐

(5) DIMENSIONS: Diameter of well 8" inches.
Drilled 125 ft. Depth of completed well 1165 ft.

(6) CONSTRUCTION DETAILS:

Casing installed: 8" Diam. from 0 ft. to 100 ft.
Threaded ☐ " Diam. from ft. to ft.
Welded ☐ " Diam. from ft. to ft.

Perforations: Yes ☐ No ☒
Type of perforator used
SIZE of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

Screens: Yes ☒ No ☐
Manufacturer's Name
Type SS Model No.
Diam. 8 Slot size 14 from 106 ft. to 106 ft.
Diam. 8 Slot size 14 from 106 ft. to 111 ft.
8 14 111 116

Gravel packed: Yes ☐ No ☐ Size of gravel:
Gravel placed from ft. to ft.

Surface seal: Yes ☒ No ☐ To what depth? 18 ft.
Material used in seal Bentmite
Did any strata contain unusable water? Yes ☐ No ☒
Type of water? Depth of strata
Method of sealing strata off

(7) PUMP: Manufacturer's Name
Type: H.P.

(8) WATER LEVELS: Land-surface elevation above mean sea level ft.
Static level 33 ft. below top of well Date 9/20/83
Artesian pressure lbs. per square inch Date
Artesian water is controlled by (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☐ No ☐ If yes, by whom?
Yield: gal./min. with ft. drawdown after hrs.
" " " "
" " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test
Bailer test 40 gal./min. with 7 ft. drawdown after 2 hrs.
Artesian flow g.p.m. Date
Temperature of water Was a chemical analysis made? Yes ☐ No ☒

(10) WELL LOG:

Formation: *Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.*

MATERIAL	FROM	TO
Brown Clay & Gravel	0	18
Gray Clay & Gravel	18	47
Brown Clay & Gravel	47	84
Coarse Brown Sand-heaves	84	105
Coarse Brown Sand-some shale	105	116
Brown gray clay & gravel	116	125

Work started Sept 1, 1983 Completed Sept. 21, 1983

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME Puget Sound Well Drilling
(Person, firm, or corporation) (Type or print)

Address 18365 Diamond DC Poulsbo, WA

[Signed] (Well Driller)

License No. 1147 Date Sept 21, 1983

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20

The Department of Ecology does NOT Warrant the Data and/or the Information on this Well Report.

File Original and First Copy with Department of Ecology
Second Copy—Owner's Copy
Third Copy—Driller's Copy

WATER WELL REPORT

STATE OF WASHINGTON

Start Card No. [redacted]

Water Right Permit No. 2ab2e/33k

(1) OWNER: Name Marjorie Boetter Address 5230 82nd S.E., Mercer Island 98040

(2) LOCATION OF WELL: County Kitsap NW ¼ SE ¼ Sec. 33 T. 26 N., R. 2E W.M.

(2a) STREET ADDDRESS OF WELL (or nearest address) Port Madison Road

(3) PROPOSED USE: [X] Domestic [ ] Industrial [ ] Municipal [ ] Irrigation [ ] Test Well [ ] Other [ ] DeWater

(4) TYPE OF WORK: Owner's number of well (if more than one) _____
Abandoned [ ] New well [X] Method: Dug [ ] Bored [ ] Deepened [ ] Cable [X] Driven [ ] Reconditioned [ ] Rotary [ ] Jetted [ ]

(5) DIMENSIONS: Diameter of well 8 inches. Drilled 208 feet. Depth of completed well 208 ft.

(6) CONSTRUCTION DETAILS:
Casing Installed: 8 " Diam. from 0 ft. to 193 ft.
Welded [X] Liner installed [ ] Threaded [ ] _____ " Diam. from _____ ft. to _____ ft.
Perforations: Yes [ ] No [X]
Type of perforator used _____
SIZE of perforations _____ in. by _____ in.
_____ perforations from _____ ft. to _____ ft.
_____ perforations from _____ ft. to _____ ft.
_____ perforations from _____ ft. to _____ ft.
Screens: Yes [X] No [ ]
Manufacturer's Name Johnson
Type stainless steel Model No. _____
Diam. 8 Slot size 6 from 193 ft. to 208 ft.
Diam. _____ Slot size _____ from _____ ft. to _____ ft.
Gravel packed: Yes [ ] No [X] Size of gravel _____
Gravel placed from _____ ft. to _____ ft.
Surface seal: Yes [X] No [ ] To what depth? 18 ft.
Material used in seal Bentonite
Did any strata contain unusable water? Yes [ ] No [X]
Type of water? _____ Depth of strata _____
Method of sealing strata off _____

(7) PUMP: Manufacturer's Name Goulds
Type submersible 25EL H.P. 5

(8) WATER LEVELS: Land-surface elevation above mean sea level _____ ft.
Static level 64 ft. below top of well Date 12/09/91
Artesian pressure _____ lbs. per square inch Date _____
Artesian water is controlled by _____ (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes [X] No [ ] If yes, by whom? Driller
Yield: 33 gal./min. with 27 ft. drawdown after 5 hrs.
" " " "
" " " "
Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level
~~Full recovery in 2 min.~~					

Date of test _____
Bailer test _____ gal./min. with _____ ft. drawdown after _____ hrs.
Airtest _____ gal./min. with stem set at _____ ft. for _____ hrs.
Artesian flow _____ g.p.m. Date _____
Temperature of water 50 Was a chemical analysis made? Yes [X] No [ ]

(10) WELL LOG or ABANDONMENT PROCEDURE DESCRIPTION

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of information.

MATERIAL	FROM	TO
Brown overburden	0	1
Brown gravelly hardpan	1	11
Grey gravelly hardpan	11	25
Blue sandy clay	25	35
Blue silt bound sand & gravel	35	47
Blue clay	47	107
Grey silty clay	107	114
Blue clay	114	144
Grey heaving silt	144	146
Grey silt	146	161
Grey sandy clay	161	171
Blue gravelly clay	171	172
Blue clay	172	179
Silty sand & clay, H20	179	184
Fine sand, H20	184	208
Grey clay & silt	208	--

RECEIVED
JAN 31 1992
DEPT. OF ECOLOGY

Work started 11/25/91, 19. Completed 12/09/91, 19

WELL CONSTRUCTOR CERTIFICATION:
I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

NAME GRESHAM WELL DRILLING (PERSON, FIRM, OR CORPORATION) (TYPE OR PRINT)
Address 3105 N.W. LAKENESS RD., POULSBO 98370
(Signed) _____ (WELL DRILLER) License No. 0761
Contractor's Registration No. GRESHWD206NF Date 01/23/92, 19

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20 (10-87) -1329

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

26/2E/33 K

Start Card No. 072084

File Original and First Copy with Department of Ecology
Second Copy—Owner's Copy
Third Copy—Driller's Copy

WATER WELL REPORT

STATE OF WASHINGTON

Water Right Permit No. _____

(1) OWNER: Name Marjorie Boetter Address 5230 82nd S.E., Mercer Island 98040

(2) LOCATION OF WELL: County Kitsap NW ¼ SE ¼ Sec 33 T 26 N., R 2E W.M.

(2a) STREET ADDDRESS OF WELL (or nearest address) "Silverton Road"

(3) PROPOSED USE: [X] Domestic [ ] Industrial [ ] Municipal [ ] Irrigation [ ] Test Well [ ] Other [ ] DeWater

(4) TYPE OF WORK: Owner's number of well (if more than one) _____
Abandoned [X] New well [X] Method: Dug [ ] Bored [ ] Deepened [ ] Cable [X] Driven [ ] Reconditioned [ ] Rotary [ ] Jetted [ ]

(5) DIMENSIONS: Diameter of well 6 inches. Drilled 360 feet. Depth of completed well 360 ft.

(6) CONSTRUCTION DETAILS: "PULLED BACK"
Casing installed: 6 " Diam. from 0 ft. to 360 ft.
Welded [X] Liner installed [ ] Threaded [ ] _____ " Diam. from _____ ft. to _____ ft.

Perforations: Yes [ ] No [ ]
Type of perforator used _____
SIZE of perforations _____ in. by _____ in.
_____ perforations from _____ ft. to _____ ft.
_____ perforations from _____ ft. to _____ ft.
_____ perforations from _____ ft. to _____ ft.

Screens: Yes [ ] No [ ]
Manufacturer's Name _____
Type _____ Model No. _____
Diam. _____ Slot size _____ from _____ ft. to _____ ft.
Diam. _____ Slot size _____ from _____ ft. to _____ ft.

Gravel packed: Yes [ ] No [ ] Size of gravel _____
Gravel placed from _____ ft. to _____ ft.

Surface seal: Yes [ ] No [ ] To what depth? _____ ft.
Material used in seal _____
Did any strata contain unusable water? Yes [ ] No [ ]
Type of water? _____ Depth of strata _____
Method of sealing strata off _____

(7) PUMP: Manufacturer's Name _____
Type: _____ H.P. _____

(8) WATER LEVELS: Land-surface elevation above mean sea level _____ ft.
Static level _____ ft. below top of well Date _____
Artesian pressure _____ lbs. per square inch Date _____
Artesian water is controlled by _____ (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes [ ] No [ ] If yes, by whom? _____
Yield: _____ gal./min. with _____ ft. drawdown after _____ hrs.
" " " "
" " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test _____
Bailer test _____ gal./min. with _____ ft. drawdown after _____ hrs.
Airtest _____ gal./min. with stem set at _____ ft. for _____ hrs.
Artesian flow _____ g.p.m. Date _____
Temperature of water _____ Was a chemical analysis made? Yes [ ] No [ ]

(10) WELL LOG or ABANDONMENT PROCEDURE DESCRIPTION

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of information.

MATERIAL	FROM	TO
Brown gravelly hardpan	0	10
Grey gravelly hardpan	10	22
Grey sandy hardpan	22	29
Grey silty clay	29	35
Blue sticky clay	35	73
Blue sandy clay	73	79
Blue sticky clay	79	82
Grey silty clay	82	92
Grey silty clay (dirty H2O)	92	95
Brown clay	95	98
Greenish clay	98	110
Blue sandy clay	110	113
Blue clay	113	136
Grey gravelly hardpan	136	140
Grey clay	140	178
Grey silty clay	178	216
Grey silty fine sand (H20 dirty)	216	219
Grey clay w/silty fine sand/seams	219	234
Grey clay	234	263
Grey silty fine sand & clay,H20	263	269
Grey fine sand & H20	269	273
Grey XXXXXXXXX clay	273	295
Grey silty clay & sand H20	295	339
Grey silty fine sand & H20	339	342
Grey silt bound sand "fine"	342	355
Grey clay	355	360
"Pulled back 6" casing, abandoned with bentonite plug chips	0	360

RECEIVED
JAN 08 1991
DEPT. OF ECOLOGY

Work started 8/20/90, 19. Completed 8/30/90, 19.

WELL CONSTRUCTOR CERTIFICATION:

I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

NAME Gresham Well Drilling (PERSON, FIRM, OR CORPORATION) (TYPE OR PRINT)

Address 3105 N.W. Lakeness Rd., Poulsbo 98370

(Signed) _____ (WELL DRILLER) License No. 0761

Contractor's Registration No. GRESHWD206NF Date 9-04-90, 19

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20 (10/87) -1329-

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

25/Co - 34/K

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT

STATE OF WASHINGTON

Application No. .....

Permit No. .....

(1) OWNER: Name Frank & Bonnie Kinkwater Address 5140 Old Mill Rd. B.I., Wash. 98110

(2) LOCATION OF WELL: County Kitsap NW ¼ — ¼ SE ¼ Sec. 34 T. 25 N., R. 2E W.M.

Bearing and distance from section or subdivision corner

(3) PROPOSED USE: Domestic [X] Industrial [ ] Municipal [ ]
Irrigation [ ] Test Well [ ] Other [ ]

(4) TYPE OF WORK: Owner's number of well (if more than one) .....
New well [X] Method: Dug [ ] Bored [ ]
Deepened [ ] Cable [X] Driven [ ]
Reconditioned [ ] Rotary [ ] Jetted [ ]

(5) DIMENSIONS: Diameter of well 6 inches.
Drilled 143 ft. Depth of completed well 143 ft.

(6) CONSTRUCTION DETAILS:

Casing installed: ..." Diam. from ... ft. to ... ft.
Threaded [ ] ..." Diam. from ... ft. to ... ft.
Welded [X] 6 " Diam. from 0 ft. to 138 ft.

Perforations: Yes [ ] No [X]
Type of perforator used .....
SIZE of perforations ... in. by ... in.
... perforations from ... ft. to ... ft.
... perforations from ... ft. to ... ft.
... perforations from ... ft. to ... ft.

Screens: Yes [X] No [ ]
Manufacturer's Name Johnson
Type Stainless Model No .....
Diam. ... Slot size ... from ... ft. to ... ft.
Diam. 6 Slot size 10 from 138 ft. to 143 ft.

Gravel packed: Yes [ ] No [X] Size of gravel: .....
Gravel placed from ... ft. to ... ft.

Surface seal: Yes [X] No [ ] To what depth? 20 ft.
Material used in seal Bentonite
Did any strata contain unusable water? Yes [ ] No [X]
Type of water? ... Depth of strata ...
Method of sealing strata off .....

(7) PUMP: Manufacturer's Name Sta-Rite
Type: Jet H.P. 3/4

(8) WATER LEVELS: Land-surface elevation above mean sea level 140 ft.
Static level 121 ft. below top of well Date 9-2-83
Artesian pressure ... lbs. per square inch Date ...
Artesian water is controlled by ... (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes [X] No [ ] If yes, by whom? Driller
Yield: 8½ gal./min. with 13½ ft. drawdown after 3 hrs.
" " " " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test .....
Bailer test 7 gal./min. with 10 ft. drawdown after 3 hrs.
Artesian flow ... g.p.m. Date ...
Temperature of water ... Was a chemical analysis made? Yes [ ] No [X]

(10) WELL LOG:

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL		FROM	TO
Top soil	Brown	0	3
Hard pan	"	3	12
Hard pan	Grey	12	27
Clay	"	27	55
Clay - Sandy	"	55	76
Till	"	76	81
Clay	Blue	81	120
Clay - Sandy	"	120	132
Sand	Black	132	143

Work started Aug. 26, 1983 Completed Sept. 2, 1983

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME CRABTREE DRILLING CO
(Person, firm, or corporation) (Type or print)

Address 23349 EGLON RD. N.E. KINGSTON

[Signed] Jerry Crabtree
(Well Driller)

License No. 82 Date Sept. 3, 1983

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

WASHINGTON STATE DEPARTMENT OF ECOLOGY

UNIQUE WELL I.D. NUMBER AAA185 (X Y Z 1 2 3)

WELL TAGGING FORM

Date of Field Visit 4/22/92 By BA – PUD #1

RECORD VERIFICATION

- [X] Well Report available *(please attach)*
- [ ] Well Report not available
- [ ] Verification inconclusive

WELL OWNERSHIP

Name Phillip Johnson

Street address 5790 Old Mill Rd

City Bainbridge Is State WA 98110

LOCATION OF WELL

Well Address 5790 old Mill Rd

City Bainbridge Is County Kitsap

T. 25 N. R. 02E W M. Sec. ~~23~~ 34 F ¼ SE ¼ NW

GPS Location: Latitude 47 ° 36 ' 96 " N

Longitude 122 ° 32 ' 12 " W

Elevation 162' (feet) meters *(circle one)*

- [X] Digital Altimeter
- [ ] Topographic Map
- [ ] Other

If unable to verify location with GPS equipment:

PDOP 9.8

- [ ] Location marked on topographic map *(please attach if available)* 14 18 2
- [ ] Location marked on air photo *(please attach if available)* 7 9 8

AAA185

WELL CHARACTERISTICS

Physical Description of Well (size of casing, type of well, housing, etc.): drilled well inside unlocked wellhouse 6" casing

Location of Well Identification Tag: on casing 8" from top

Was Supplemental Tag needed for ease of identifying well?

☒ NO ☐ YES

Scale 1:24,000 (1"=2,000')

D	C	B	A
E	F	G	H
M	L	K	J
N	P	Q	R

SECTION 34F

Indicate the location of the well within the Section by drawing a dot at that point.

COMMENTS:

FOR ECOLOGY USE ONLY

Water Right # _____ Date Issued _____

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

WATER WELL REPORT

STATE OF WASHINGTON AAA185

Application No

Permit No

(1) OWNER [illegible] Address [illegible]

(2) LOCATION OF WELL County [illegible] NW 1/4 of SE 1/4 Sec 31 Twp 25 N, R 3 E W.M.

(3) PROPOSED USE Domestic [X] Industrial [ ] Municipal [ ] Irrigation [ ] Test Well [ ] Other [ ]

(4) TYPE OF WORK Owner's number of well (if more than one) New well [X] Method: Dug [ ] Bored [ ] Deepened [ ] Cable [X] Driven [ ] Reconditioned [ ] Rotary [ ] Jetted [ ]

(5) DIMENSIONS Diameter of well 6 inches. Depth of completed well 143 ft.

(6) CONSTRUCTION DETAILS

Casing installed: Threaded [ ] Diam from ft to ft. Welded [X] 6 Diam from 0 ft to 133 ft

Perforations Yes [ ] No [X]

Perforator used

Size of perforations in by in

perforations from ft to ft

perforations from ft to ft

perforations from ft to ft

Screens Yes [X] No [ ] Manufacturer's Name [illegible]

Type [illegible] Model No

Diam Slot size from ft to ft

Diam 6 Slot size 10 from 133 ft to 143 ft

Gravel packed Yes [ ] No [X] Size of gravel

Gravel placed from ft to ft

Surface seal Yes [X] No [ ] To what depth? 20 ft

Material used in seal Bentonite

Did any strata contain unusable water? Yes [ ] No [X]

Depth of water? Depth of strata

Method of sealing strata off

(7) PUMP Manufacturer's Name Ste-Rite

Type [illegible] HP 3/4

(8) WATER LEVELS Land-surface elevation above mean sea level 140 ft

Static level 121 ft below top of well Date 9-2-83

Artesian pressure lbs per square inch Date

Artesian water is controlled by (Cap, valve, etc.)

(9) WELL TESTS Drawdown is amount water level is lowered below static level

Was a pump test made? Yes [X] No [ ] If yes, by whom? Driller

Yield 8 gal/min with 13 1/2 ft drawdown after 3 hrs

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test

Bailer test 7 gal/min with 10 ft drawdown after 3 hrs

Artesian flow gpm Date

Temperature of water Was a chemical analysis made? Yes [ ] No [X]

(10) WELL LOG

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL	FROM	TO
Top soil & sand brown	0	3
Hard pan	3	12
Hard pan Gray	12	27
Clay "	27	55
Clay - sandy "	55	76
Clay "	76	81
Clay Blue	81	120
Clay - sandy "	120	132
Sand Black	132	143

Work started Aug 26 1983 Completed Sept 2 1983

WELL DRILLER'S STATEMENT.

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief

NAME CASTREE DRILLING CO (Person, firm or corporation) (Type or print)

Address 23419 EGGEN RD NE KINGSTON

[Signed] [illegible] (Well Driller)

License No 82 Date Sept 3, 1983

(USE ADDITIONAL SHEETS IF NECESSARY)

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

USGS

KITSAP COUNTY PUD #1
PRIVATE WELL/CONSERVATION PROGRAM

LAB NO. 183

map 2/56

ACCOUNT NO. _____ DIV. _____

CUSTOMER NAME (PLEASE PRINT) Phillip (FIRST) Johnson (LAST)

ADDRESS WHERE SHOWERHEAD INSTALLED:

STREET 5790 Old Mill RD UNIT # _____

CITY Bainbridge IS STATE WA ZIP 98110

CUSTOMER'S SIGNATURE no one home no devices left DATE 4/22/92

QUANTITY	BRAND	PROGRAM/DELIVERY METHOD
	Ondine Showerhead	(4) Business Office
	Kitchen Aerator	(1) Single Family
	Bath Aerator	(4) Contractor Installed

PUD ACCT # 00859 WELL ID # AAA185 LOCAL # 25N/02E-34F

ELEVATION ~~225 topo~~ 162, altim LATITUDE/LONGITUDE 47° 36.96 N / 122° 32.~~[illegible]~~12 W PDOP 9.8

(D) _____ DRILLED(W) _____ SPRING(S) _____ N/T 14 18 4 7 9 8

ORIGINAL OWNER _____ DRILLER _____

YEAR DRILLED _____ WELL DEPTH _____

PHONE # 842-4403 TIME BEGAN 9:25 TIME COMPLETED 10:10

DESCRIPTION OF MEASURING PT. (MP) top of ~~seal~~ T on casing vent

HEIGHT OF MP (ABOVE)/BELOW LAND SURFACE 1.75 BacT A

DEPTH TO WATER BELOW MP 122.90 DEPTH TO WATER BELOW LS 121.15

TEMPERATURE 50.6 SPECIFIC CONDUCTIVITY 169.3 ph 7.53

Nitrate mg/L 1.1 Fe mg/L 1.63 Mn mg/L 0.190

COLOR clear ODOR slight metallic/sulfur APPEARANCE normal

SAMPLING POINT DESCRIPTION outside hose bib

REMARKS 4/20 left message NO answer

SAMPLING PERSONNEL BA

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report

WATER WELL REPORT

DEPARTMENT OF ECOLOGY State of Washington

Original & 1st copy - Ecology, 2nd copy - owner, 3rd copy - driller

Construction/Decommission *("x" in circle)*

☐ Construction

☒ Decommission *ORIGINAL INSTALLATION*

Notice of Intent Number W263376

PROPOSED USE: ☐ Domestic ☐ Industrial ☐ Municipal ☐ DeWater ☐ Irrigation ☐ Test Well ☐ Other

TYPE OF WORK: Owner's number of well (if more than one)

☐ New well ☐ Reconditioned *Method:* ☐ Dug ☐ Bored ☐ Driven ☐ Deepened ☐ Cable ☐ Rotary ☐ Jetted

DIMENSIONS: Diameter of well 6 inches, drilled 218 ft. Depth of completed well ____ ft.

CONSTRUCTION DETAILS

Casing installed: ☐ Welded ____" Diam. from ____ ft. to ____ ft. ☐ Liner installed ____" Diam. from ____ ft. to ____ ft. ☐ Threaded ____" Diam. From ____ ft. to ____ ft.

Perforations: ☐ Yes ☐ No

Type of perforator used ____

SIZE of perfs ____ in. by ____ in. and no. of perfs ____ from ____ ft. to ____ ft.

Screens: ☐ Yes ☐ No ☐ K-Pac Location ____

Manufacturer's Name ____

Type ____ Model No. ____

Diam. ____ Slot size ____ from ____ ft. to ____ ft.

Diam. ____ Slot size ____ from ____ ft. to ____ ft.

Gravel/Filter packed: ☐ Yes ☐ No Size of gravel/sand ____

Materials placed from ____ ft. to ____ ft.

Surface Seal: ☐ Yes ☐ No To what depth? ____ ft.

Material used in seal ____

Did any strata contain unusable water? ☐ Yes ☐ No

Type of water? ____ Depth of strata ____

Method of sealing strata off ____

PUMP: Manufacturer's Name ____

Type: ____ H.P. ____

WATER LEVELS: Land-surface elevation above mean sea level ____ ft.

Static level 31 ft. below top of well Date 3/17/15

Artesian pressure ____ lbs. per square inch Date ____

Artesian water is controlled by ____ (cap, valve, etc.)

WELL TESTS: Drawdown is amount water level is lowered below static level

Was a pump test made? ☐ Yes ☐ No If yes, by whom? ____

Yield: ____ gal./min. with ____ ft. drawdown after ____ hrs.

Yield: ____ gal./min. with ____ ft. drawdown after ____ hrs.

Yield: ____ gal./min. with ____ ft. drawdown after ____ hrs.

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test ____

Bailer Test ____ gal./min. with ____ ft. drawdown after ____ hrs.

Airtest ____ gal./min. with stem set at ____ ft. for ____ hrs.

Artesian flow ____ g.p.m. Date ____

Temperature of water ____ Was a chemical analysis made? ☐ Yes ☐ No

CURRENT

Notice of Intent No. AE30937

Unique Ecology Well ID Tag No. BAT948

Water Right Permit No. N/A

Property Owner Name William McGonagle

Well Street Address 2615 Toe Jam Hill Rd NE

City Bainbridge Island County Kitsap

Location SW 1/4-1/4 NE 1/4 Sec 11 Twn 24N R 2E EWM ☒ Check Or WWM ☐ One

(s, t, r Still REQUIRED)

Lat/Long Lat Deg ____ Lat Min/Sec ____

Long Deg ____ Long Min/Sec ____

Tax Parcel No. (Required) 112402-1-010-2009

CONSTRUCTION OR DECOMMISSION PROCEDURE

Formation: Describe by color, character, size of material and structure, and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of information. (USE ADDITIONAL SHEETS IF NECESSARY.)

MATERIAL	FROM	TO
3/8" Bentonite Chips	0	218

RECEIVED

APR 20 2015

DEPT OF ECOLOGY NWRO - WR

Start Date 3/17/15 Completed Date 3/17/15

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

☒ Driller ☐ Engineer ☐ Trainee Name (Print) CHAD A GRESHAM

Driller/Engineer/Trainee Signature ____

Driller or trainee License No. 3150

IF TRAINEE: Driller's License No: ____

Driller's Signature: ____

Drilling Company GRESHAM PUMP AND DRILLING, INC.

Address P.O. BOX 1600

City, State, Zip POULSBO , WA , 98370

Contractor's Registration No. GRESHPD871B8 Date 3/19/15

ECY 050-1-20 (Rev 06/08) If you need this document in an alternate format, please call the Water Resources Program at 360-407-6600. Persons with hearing loss can call 711 for Washington Relay Service. Persons with a speech disability can call 877-833-6341.

WATER WELL REPORT

Original & 1st copy – Ecology, 2nd copy – owner, 3rd copy – driller

Construction/Decommission *("x" in circle)*

(X) Construction

( ) Decommission *ORIGINAL INSTALLATION Notice of Intent Number* _____

CURRENT

Notice of Intent No. W263376

Unique Ecology Well ID Tag No. BAI948

Water Right Permit No. N/A

Property Owner Name BILL MCGONAGLE

Well Street Address 2615 TOE JAM HILL NE

City BAINBRIDGE ISLAND County KITSAP

Location SW1/4-1/4 NE1/4 Sec 11 Twn 24 R 2E EWM or WWM (circle one)

Lat/Long (s, t, r Still **REQUIRED**) Lat Deg _____ Lat Min/Sec _____ Long Deg _____ Long Min/Sec _____

Tax Parcel No. 112402-1-010-2009

PROPOSED USE: [X] Domestic [ ] Industrial [ ] Municipal [ ] DeWater [X] Irrigation [ ] Test Well [ ] Other _____

TYPE OF WORK: Owner's number of well (if more than one) _____

[X] New well [ ] Reconditioned *Method:* [ ] Dug [ ] Bored [ ] Driven [ ] Deepened [ ] Cable [X] Rotary [ ] Jetted

DIMENSIONS: Diameter of well 6 inches, drilled 218 ft. Depth of completed well 218 ft.

CONSTRUCTION DETAILS

Casing Installed: [X] Welded 6" Diam. from +1 ft. to 58.2 ft. [X] Liner installed 4½" Diam. from 38 ft. to 218 ft. [ ] Threaded _____" Diam. from _____ ft. to _____ ft.

Perforations: [X] Yes [ ] No

Type of perforator used SAWCUT

SIZE of perfs ¼ in. by 2 in. and no. of perfs _____ from 178 ft. to 218 ft.

Screens: [ ] Yes [X] No [ ] K-Pac Location _____

Manufacturer's Name _____

Type _____ Model No. _____

Diam. _____ Slot size _____ from _____ ft. to _____ ft.

Diam. _____ Slot size _____ from _____ ft. to _____ ft.

Gravel/Filter packed: [ ] Yes [X] No [ ] Size of gravel/sand _____

Materials placed from _____ ft. to _____ ft.

Surface Seal: [X] Yes [ ] No To what depth? 18 ft.

Material used in seal BENTONITE

Did any strata contain unusable water? [ ] Yes [X] No

Type of water? _____ Depth of strata _____

Method of sealing strata off _____

PUMP: Manufacturer's Name GOULDS

Type: SUBMERSIBLE 5GS H.P. 3/4

WATER LEVELS: Land-surface elevation above mean sea level _____ ft.

Static level 31.1 ft. below top of well Date 8/05/09

Artesian pressure _____ lbs. per square inch Date _____

Artesian water is controlled by _____ (cap, valve, etc.)

WELL TESTS: Drawdown is amount water level is lowered below static level

Was a pump test made? [X] Yes [ ] No If yes, by whom? GRESHAM

Yield: 2 gal./min. with _____ ft. drawdown after 4+ hrs.

Yield: _____ gal./min. with _____ ft. drawdown after _____ hrs.

Yield: _____ gal./min. with _____ ft. drawdown after _____ hrs.

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test 8/05/09

Bailer test _____ gal./min. with _____ ft. drawdown after _____ hrs.

Airtest 2 gal./min. with stem set at 217 ft. for 1 hrs.

Artesian flow _____ g.p.m. Date _____

Temperature of water _____ Was a chemical analysis made? [X] Yes [ ] No

CONSTRUCTION OR DECOMMISSION PROCEDURE

Formation: Describe by color, character, size of material and structure, and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of information. (USE ADDITIONAL SHEETS IF NECESSARY.)

MATERIAL	FROM	TO
TOPSOIL	0	2
BROWN CLAY	2	8
BLUE CLAY	8	55
SHALE	55	197
SHALE W/BROKEN SEAMS H20	197	218
"high chlorides"		

RECEIVED

APR 20 2015

DEPT OF ECOLOGY
NWRO - WR

Start Date 7/28/09 Completed Date 7/29/09

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

[X] Driller [ ] Engineer [ ] Trainee Name (Print) CRAIG A. GRESHAM

Driller/Engineer/Trainee Signature _____

Driller or trainee License No. 0761

Drilling Company GRESHAM WELL DRILLING INC

Address P.O. BOX 1660

City, State, Zip POULSBO, WA 98370-0195

Contractor's Registration No. GRESHWD055BC Date 8/14/09

If TRAINEE,
Driller's Licensed No. _____
Driller's Signature _____

Ecology is an Equal Opportunity Employer.

ECY 050-1-20 (Rev 3/05) **The Department of Ecology does NOT warranty the Data and/or Information on this Well Report.**

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report

WRC # 2864

STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY

WELL LOG

Record by Driller
Source Well Report

Location: State of WASHINGTON
County Kitsap
Area –
Map –
NE¼ NE¼ sec. 16 T. 25 N., R. 2 E. W.

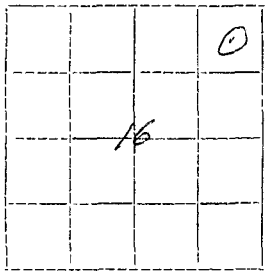


Diagram of Section

25/2E/16H
File number

Drilling Co. Burt
Address Rt #1 Box 283 Poulsbo Wa
Method of Drilling ..... Date August, 1969
Owner Meadowmeer, Inc.
Address 590 Winslow Way, Bainbridge Is Wa
Land surface, datum ..... ft. above / below
SWL: 112' Date Aug, 1969 Dims.: 8" x 143'

CORRELATION	MATERIAL	From (feet)	To (feet)
	Municipal		

(Transcribe driller's terminology literally but paraphrase as necessary, in parentheses If material water-bearing, so state and record static level if reported Give depths in feet below land-surface datum unless otherwise indicated Correlate with stratigraphic column, if feasible Following log of materials, list all casings, perforations, screens, etc.)

	Topsoil	0	2'
	Hardpan, brown	2'	15'
	Hardpan, sandy	15	50'
	Hardpan, grey	50	132'
	Sand, gravel, water	132	143'
	Casing: 8"	0	~~143~~ 133'
	Screen, Johnson - SS		
	8" - slot size - 17	133	143'
	Pump: Sta-Rite - Sub.	5 HP	
	Well Test: 60 gpm w/ 1.5' DD @ 10hrs		
	Recovery: 8:00 - 112'		
	6:00 - 113'±		

Turn up

Sheet 1 of ..... sheets

of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

Original and First Copy — Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT

STATE OF WASHINGTON

Application No. 25/2/16A / 23643

Permit No.

OWNER: Name Merlo Water Address

LOCATION OF WELL: County Kitsap — NE ¼ NE ¼ Sec. 16 T. 25 N., R. 2 E. W.M.

Bearing and distance from section or subdivision corner

PROPOSED USE: Domestic [X] Industrial [ ] Municipal [ ]
Irrigation [ ] Test Well [ ] Other [ ]

TYPE OF WORK: Owner's number of well (if more than one) Well No. 2
New well [X] Method: Dug [ ] Bored [ ]
Deepened [ ] Cable [X] Driven [ ]
Reconditioned [ ] Rotary [ ] Jetted [ ]

DIMENSIONS: Diameter of well 8 inches.
Drilled 171 ft. Depth of completed well 171 ft.

CONSTRUCTION DETAILS:

Casing installed: 8" Diam. from 0 ft. to 171 ft.
Threaded [ ] " Diam. from ft. to ft.
Welded [X] " Diam. from ft. to ft.

Perforations: Yes [ ] No [X]
Type of perforator used
SIZE of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

Screens: Yes [X] No [ ]
Manufacturer's Name Johnson
Type Stainless Steel Model No.
Diam. 8" Slot size #50 from 151½ ft. to 159½ ft.
Diam. Slot size from ft. to ft.

Gravel packed: Yes [ ] No [X] Size of gravel:
Gravel placed from ft. to ft.

Surface seal: Yes [X] No [ ] To what depth? 22 ft.
Material used in seal Cement
Did any strata contain unusable water? Yes [ ] No [ ]
Type of water? Depth of strata
Method of sealing strata off

PUMP: Manufacturer's Name Flint & Walling
Type: 6T200A20 H.P. 20

WATER LEVELS: Land-surface elevation above mean sea level 231.3 ft.
118 ft. below top of well Date March, 80
lbs. per square inch Date
Artesian water is controlled by (Cap, valve, etc.)

WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes [ ] No [ ] If yes, by whom?
307 gal./min. with 3.1 ft. drawdown after ½ hrs.
" " "
" " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level
Before		To Robinson & Noble			

Date of test
gal./min. with ft. drawdown after hrs
Artesian flow g.p.m. Date
Temperature of water Was a chemical analysis made? Yes [ ] No [ ]

(10) WELL LOG:

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL	FROM	TO
Brown Hardpan	0	9
Blue Clay	9	19
Blue Gravelly Clay	19	31
Blue Gritty Hardpan	31	40
Blue Gritty Clay	40	58
Gray Gravelly Hardpan	58	80
Dirty Brown Sand & Gravel	80	82
Gray Gravelly Hardpan	82	119
Dirty Brn. Sand, Gravel, and Water (Tight)	119	123
Clean Brn. Sand, Gravel, and Water	123	136
Dirty Brn. Sand, Gravel, and Water	136	138
Clean Brn. Sand, Gravel, and Water	138	142
Clean Blue Sand, Gravel and Water	142	149
Blue Sand, Gravel w/clay	149	150
Blue Sand, Gravel, Water	150	165
Blue Sand, Gravel w/clay and water	165	166
Blue Sand, Gravel w/Brn. Peat Conglomerate & Water	166	169
Blue Sand, Gravel, Water	169	171

WELL No. 2

Work started 1-31 1980. Completed 2-22 1980

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME Burt Well Drilling, Inc. (Person, firm, or corporation) (Type or print)

Address Rt. 1, Box 283 Poulsbo, WA 98370

[Signed] James Burt Jr. (Well Driller)

License No. 0048 Date 3-17, 1980

(USE ADDITIONAL SHEETS IF NECESSARY)

25-2E-16A

WATER WELL REPORT

Original & 1st copy - Ecology, 2nd copy - owner, 3rd copy - driller

Construction/Decommission ("x" in circle) 144254
- (X) Construction
- ( ) Decommission *ORIGINAL CONSTRUCTION Notice of Intent Number*

CURRENT Notice of Intent No. W166536

Unique Ecology Well ID Tag No. AKR023

Water Right Permit No

Property Owner Name MEADOWMEER WATER SYSTEM ASSOC.

Well Street Address 11181 BLUE POND PLACE

City BAINBRIDGE ISLAND County KITSAP

Location NE 1/4- 1/4 NE 1/4 Sec 16 Twn 25 R 2E EWM or WWM *circle one*

Lat/Long (s,t,r still REQUIRED) Lat Deg ____ Lat Min/Sec ____ Long Deg ____ Long Min/Sec ____

Tax Parcel No. 4194-000-045-0005

PROPOSED USE: (X) Domestic ( ) Industrial ( ) Municipal ( ) DeWater ( ) Irrigation ( ) Test Well ( ) Other

TYPE OF WORK: Owner's number of well (if more than one)
(X) New Well ( ) Reconditioned *Method* ( ) Dug ( ) Bored ( ) Driven ( ) Deepened (X) Cable ( ) Rotary ( ) Jetted

DIMENSIONS: Diameter of well 8 inches, drilled 175 ft
Depth of completed well 175 ft

CONSTRUCTION DETAILS
Casing Installed: (X) Welded 8" Diam from +1 ft to 155'5"ft
( ) Liner installed ____" Diam from ____ ft to ____ ft
( ) Threaded ____" Diam from ____ ft to ____ ft

Perforations: ( ) Yes (X) No
Type of perforator used
SIZE of perfs ____ in by ____ in and no of perfs ____ from ____ ft to ____ ft

Screens: (X) Yes ( ) No (X) K-Pac Location TOP
Manufacturer's Name JOHNSON
Type STAINLESS STEEL Model No
Diam 7 Slot Size 60 from 155 ft to 160 ft
Diam 7 Slot Size 50 from 160 ft to 175 ft

Gravel/Filter packed: ( ) Yes (X) No ( ) Size of gravel/sand
Materials placed from ____ ft to ____ ft

Surface Seal: (X) Yes ( ) No To what depth? 20 ft
Materials used in seal BENTONITE
Did any strata contain unusable water? ( ) Yes (X) No
Type of water? Depth of strata
Method of sealing strata off

PUMP: Manufacturer's Name
Type H P

WATER LEVELS: Land-surface elevation above mean sea level ____ ft
Static level 125.48 ft below top of well Date 1/07/04
Artesian pressure ____ lbs per square inch Date
Artesian water is controlled by (cap,valve, etc)

WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? (X) Yes ( ) No If yes, by whom? GRESHAM
Yield 170 gal /min with 6.5 ft drawdown after 24 hrs
Yield ____ gal /min with ____ ft drawdown after ____ hrs
Yield ____ gal /min with ____ ft drawdown after ____ hrs

Recovery data (time taken as zero when pump turned off)(water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level
1 MIN.	126.20				
10 MIN.	126.14				
30 MIN.	126.07				

Date of test 1/08/04
Bailer test ____ gal /min with ____ ft drawdown after ____ hrs
Airtest ____ gal /min with stem set at ____ ft for ____ hrs
Artesian flow ____ g p m Date
Temperature of water ____ Was a chemical analysis made? (X) Yes ( ) No

CONSTRUCTION OR DECOMMISSION PROCEDURE
Formation Describe by color, character, size of material and structure, and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of information Indicate all water encountered (USE ADDITIONAL SHEETS IF NECESSARY)

MATERIAL	FROM	TO
OVERBURDEN	0	1
BROWN GRAVELLY HARDPAN	1	15
GRAY GRAVELLY HARDPAN	15	56
GRAY SAND & CLAY	56	60
BROWN GRAVELLY HARDPAN	60	133
BROWN SAND & GRAVEL,LOW H20	133	141
BROWN SILTY SAND & GRAVEL,H20	141	145
BROWN SAND & GRAVEL,H20	145	148
BROWN LOOSE SAND & GRAVEL,H20	148	150
BROWN SAND & GRAVEL, H20	150	152
GRAY SILTY SAND & GRAVEL,H20	152	153
BROWN SILTY SAND & GRAVL,H20	153	155
GRAY SAND & GRAVEL, H20	155	161
GRAY SILTY SAND & GRAVEL,	161	163
GRAY SAND & GRAVEL, H20	163	173
GRAY SAND & GRAVEL W/PEAT	173	175

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FEB 0 3 2004
DEPT OF ECOLOGY

Start Date 12/03/03 Completed Date 12/12/03

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief

(X) Driller ( ) Engineer ( ) Trainee Name (Print) CRAIG A. GRESHAM
Driller/Engineer/Trainee Signature
Driller or Trainee License No. 0761

Drilling Company GRESHAM WELL DRILLING INC
Address P.O. BOX 1600
City, State, Zip POULSBO, WA 98370-0195
Contractor's Registration No. GRESHWD055BC Date 1/30/04

If trainee, licensed driller's Signature and License no.

Ecology is an Equal Opportunity Employer ECY 050-1-20 (Rev 4/01)

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

25/02-15J

For Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT

STATE OF WASHINGTON SC #003090

Application No.

Permit No.

(1) OWNER: Name P.U.D. No. 1 of Kitsap County Address PO Box 1989 Poulsbo, WA 98370

(2) LOCATION OF WELL: County Kitsap — NE ¼ of SE ¼ Sec 15 T 25 N, R 2E W.M.

Bearing and distance from section or subdivision corner

(3) PROPOSED USE: Domestic ☐ Industrial ☐ Municipal ☐ Irrigation ☐ Test Well ☒ Other ☐

(4) TYPE OF WORK: Owner's number of well (if more than one) Wardwell Rd

New well ☒ Method: Dug ☐ Bored ☐
Deepened ☐ Cable ☐ Driven ☐
Reconditioned ☐ Rotary ☒ Jetted ☐

(5) DIMENSIONS: Diameter of well 6 inches. Drilled 1187 ft. Depth of completed well 1022 ft.

(6) CONSTRUCTION DETAILS:

Casing installed: 6 " Diam. from +1.5 ft. to 1040 ft.
Threaded ☐ 8 " Diam. from +1 ft. to 49.4 ft.
Welded ☒ " Diam. from ft. to ft.

Perforations: Yes ☒ No ☐
Type of perforator used air rotary
SIZE of perforations .1 in. by 1 in.
1300 perforations from 975 ft. to 1020 ft.
perforations from ft. to ft.
perforations from ft. to ft.

Screens: Yes ☐ No ☒
Manufacturer's Name
Type Model No.
Diam. Slot size from ft. to ft.
Diam. Slot size from ft. to ft.

Gravel packed: Yes ☐ No ☐ Size of gravel
Gravel placed from ft. to ft.

Surface seal: Yes ☒ No ☐ To what depth? 49 ft.
Material used in seal puddled clay
Did any strata contain unusable water? Yes ☐ No ☐
Type of water? Depth of strata.
Method of sealing strata off

(7) PUMP: Manufacturer's Name
Type H.P.

(8) WATER LEVELS: Land-surface elevation above mean sea level approx. 40 ft.
Static level 9.5 ft. below top of well Date 7/13/88
Artesian pressure lbs. per square inch Date
Artesian water is controlled by (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☒ No ☐ If yes, by whom? SEI-R&N
Yield: 250 gal./min. with 64 ft. drawdown after 24 hrs.

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test 6/16-17/88
Bailer test gal./min. with ft. drawdown after hrs.
Artesian flow g.p.m. Date
Temperature of water ~55°F Was a chemical analysis made? Yes ☒ No ☐

(10) WELL LOG:

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL	FROM	TO
See Attached Sheet		
Bore hole below 1022 was backfilled with pea gravel and bentonite.		

Work started May 11, 1988 Completed July 13, 1988

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME Schneider Equipment, Inc. (Person, firm, or corporation) (Type or print)
Address 21881 River Rd., NE St. Paul, Oregon 97137
[Signed] Stephen J. Schneider (Well Driller)
License No. 0643 Date July 29, 1988

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20

SEI 8820

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

25/02-15J

Kitsap County P.U.D. No.1
Wardwell Road - Test Well

Well Log

0	1	Top Soil
1	10	Sand, coarse & gravel 4" cemented, multi-color
10	26	Sand, medium-fine & gravel, 4" cemented
26	43	Clay, brown, silty-sandy, some gravel
43	48	Clay, grey, soft, little silty
48	53	Clay, grey, soft
53	78	Clay, grey, medium hard, w/mica
78	93	Sand, black, medium
93	100	Clay, grey, silty, soft
100	121	Clay, grey, sandy
121	125	Sand, black, medium
125	127	Clay, grey, sandy
127	146	Sand, black, medium
146	172	Clay, sandy, medium-soft
172	180	Sand, grey, medium w/wood & pumice
180	187	Sand, grey, medium, w/pea gravel
187	195	Clay, grey, sandy, medium-soft
195	206	Sand, medium & pea gravel w/wood
206	223	Gravel, 1" minus & sand, grey, medium
223	231	Gravel, 4" minus & sand layers
231	248	Clay, grey w/sand & gravel, 4" minus
248	260	Gravel & sand, coarse
260	270	Sand, grey, medium
270	458	Clay, grey, medium-soft
458	464	Sand, coarse, multi-color w/shells
464	534	Clay, grey, medium-soft
534	541	Sand, coarse, multi-color
541	548	Clay, grey, medium w/wood
548	600	Sand, coarse, multi-color, some gravel
600	602	Clay, grey, soft
602	628	Sand, coarse & gravel, 2" minus
628	656	Clay, grey medium-soft, small sand layers
656	666	Clay, brown, silty w/peat
666	685	Sand, medium, multi-color
685	715	Sand, medium & gravel 2" minus
715	830	Sand, medium & gravel 2" minus, small clay layers
830	880	Sand, medium-fine, multi-color, some pea gravel
880	900	Clay, grey, medium
900	910	Clay, brown, medium & wood & small sand layers
910	958	Sand, medium, multi-color
958	967	Clay, grey & brown & sand, medium
967	1020	Sand, medium & some gravel, 1" minus, multi-color
1020	1028	Sand, medium & some gravel w/wood
1028	1035	Clay, grey, medium w/sand & gravel
1035	1187	Clay, grey, medium-soft

W0031.YAM

Schneider Drilling Co. - 1988

AUG 15 1989
DE

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

File Origine and First Copy with Department of Ecology
Second Copy—Owner's Copy
Third Copy—Driller's Copy

WATER WELL REPORT

STATE OF WASHINGTON

Start Card No. [redacted]

Water Right Permit No. 25/2E/28A

(1) OWNER: Name Michael Erhard Address 39-D Appian Wy, S San Francisco, Ca 94080-2

(2) LOCATION OF WELL: County Kitsap NE ¼ NE ¼ Sec. 28 T. 25 N., R. 2E W.

(2a) STREET ADDDRESS OF WELL (or nearest address) 7997 High School Rd.

(3) PROPOSED USE: [X] Domestic [ ] Irrigation [ ] DeWater [ ] Industrial [ ] Test Well [ ] Municipal [ ] Other

(4) TYPE OF WORK: Owner's number of well (if more than one) 1

Abandoned [ ] New well [X] Deepened [ ] Reconditioned [ ] Method: Dug [ ] Cable [X] Rotary [ ] Bored [ ] Driven [ ] Jetted [ ]

(5) DIMENSIONS: Diameter of well 6 inches. Drilled 109 feet. Depth of completed well 109 ft.

(6) CONSTRUCTION DETAILS:

Casing installed: 6 " Diam. from 0 ft. to 101 ft.

Welded [X] Liner installed [ ] Threaded [ ] _____ " Diam. from _____ ft. to _____ ft.

Perforations: Yes [ ] No [X]

Type of perforetor used _____

SIZE of perforations _____ in. by _____ in.

_____ perforations from _____ ft. to _____ ft.

_____ perforations from _____ ft. to _____ ft.

_____ perforations from _____ ft. to _____ ft.

Screens: Yes [X] No [ ]

Manufacturer's Name Cook

Type Stainless Steel Tel. Model No. _____

Diam. 6 Slot size 12 from 99 ft. to 104 ft.

Diam. _____ Slot size 12 from 104 ft. to 109 ft.

Gravel packed: Yes [ ] No [X] Size of gravel _____

Gravel placed from _____ ft. to _____ ft.

Surface seal: Yes [X] No [ ] To what depth? 18 ft.

Meterial used in seel Bentinite

Did any strata contain unuseble water? Yes [ ] No [X]

Type of water? _____ Depth of strata _____

Method of sealing strata off _____

(7) PUMP: Manufacturer's Name SM-Rite

Type: Submersible H.P. 1/2

(8) WATER LEVELS: Land-surface elevation above mean sea level 2-26-90 ft.

Static level 19 ft. below top of well Date _____

Artesian pressure _____ lbs. per square inch Date _____

Artesian water is controlled by _____ (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level

Was a pump test made? Yes [ ] No [X] If yes, by whom? _____

Yield: _____ gal./min. with _____ ft. drawdown after _____ hrs.

" " " "

" " " "

Recovery data (time taken as zero when pump turned off) (water level measured from wall top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test _____

Bailer test 5 gal./min. with 66 ft. drawdown after 4 hrs.

Airtest _____ gal./min. with stem set at _____ ft. for _____ hrs.

Artesian flow _____ g.p.m. Date _____

Temperature of water _____ Was a chemical analysis made? Yes [ ] No [X]

(10) WELL LOG or ABANDONMENT PROCEDURE DESCRIPTI

Formation: Describe by color, character, size of materiel and structure, and s thickness of aquifers and the kind and neture of the material in each stratum penetra with at least one entry for each change of information.

MATERIAL	FROM	TO
Loose sand Brown	0	9
Brown sand + gravel	9	20
Cemment Gravel grey	20	94
Cement Gravel grey wet	94	100
Sand + Gravel Dirty + water	100	109
Cement Gravel grey	109	

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AUG 20 1991
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[illegible] 1991
DEPT OF ECOLOGY

Work started 2-13 19 Completed 2-26 19

WELL CONSTRUCTOR CERTIFICATION:

I constructed and/or accept responsibility for construction of this w and its compliance with all Washington well construction standar Materials used and the information reported above are true to my b knowledge and belief.

NAME Duckworth Pump & Well Drilling (PERSON, FIRM, OR CORPORATION) (TYPE OR PRINT)

Address 18365 Diamond Drive N.E., Poulsbo

(Signed) Donald D. Duckworth (WELL DRILLER) License No. 1147

Contractor's Registration No. DUCKWPW148CJ Date 2-27, 19

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20 (10/87) -1329-

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT

STATE OF WASHINGTON

Application No. .....
Permit No. .....

(1) OWNER: Name MESSENGER HOUSE CARE CENTER Address 10311 MANITOU PK. BLVD. NE BAINBRIDGE IS. 98110

(2) LOCATION OF WELL: County KITSAP SE¼ NE¼ NE¼ Sec. 14 T. 25 N., R. 2E W.M.

Bearing and distance from section or subdivision corner

(3) PROPOSED USE: Domestic ☐ Industrial ☐ Municipal ☐ Irrigation ☐ Test Well ☐ Other ☑

(4) TYPE OF WORK: Owner's number of well (if more than one) ....
New well ☑ Method: Dug ☐ Bored ☐
Deepened ☐ Cable ☐ Driven ☐
Reconditioned ☐ Rotary ☐ Jetted ☐

(5) DIMENSIONS: Diameter of well 6 inches.
Drilled 160 ft. Depth of completed well 160 ft.

(6) CONSTRUCTION DETAILS:
Casing installed: 6 " Diam. from 0 ft. to 140 ft.
Threaded ☐ " Diam. from ft. to ft.
Welded ☑ " Diam. from ft. to ft.

Perforations: Yes ☐ No ☑
Type of perforator used
SIZE of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

Screens: Yes ☑ No ☐
Manufacturer's Name COOK
Type STAINLESS Model No
Diam. 5 Slot size 8 from 140 ft. to 145 ft.
Diam. 5 Slot size 6 from 145 ft. to 155 ft.

Gravel packed: Yes ☐ No ☑ Size of gravel:
Gravel placed from ft. to ft.

Surface seal: Yes ☑ No ☐ To what depth? 20 ft.
Material used in seal BENTONITE
Did any strata contain unusable water? Yes ☐ No ☑
Type of water? Depth of strata
Method of sealing strata off

(7) PUMP: Manufacturer's Name WEDTROL
Type: SUBMERSIBLE H.P. 1½

(8) WATER LEVELS: Land-surface elevation above mean sea level .... ft.
Static level 97 ft. below top of well Date 7-16-85
Artesian pressure lbs. per square inch Date
Artesian water is controlled by (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☑ No ☐ If yes, by whom? DRILLER
Yield: 25 gal./min. with 14 ft. drawdown after 4 hrs.
" " " "
" " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test
Bailer test 10 gal./min. with 6 ft. drawdown after 4 hrs.
Artesian flow g.p.m. Date
Temperature of water Was a chemical analysis made? Yes ☐ No ☑

(10) WELL LOG:

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL	FROM	TO
SAND - BROWN	0	6
CLAY BOUND GRAVEL - BROWN	6	65
CLAY + SAND - BROWN	65	96
CLAY + GRAVEL BROWN	96	100
FINE WATER SAND - BROWN	100	157
CLAY - BLUE	157	

50'

Work started 7-5 19 85 Completed 7-16 19 85

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME McCoy Drilling + Well Dev. Co. (Person, firm, or corporation) (Type or print)
Address 9070 Sparger Lp. Rd. Bainbridge
[Signed] Mark McCoy (Well Driller)
License No. 1328 Date 7-16 19 85

(USE ADDITIONAL SHEETS IF NECESSARY)

File Original and First Copy with Department of Ecology
Second Copy—Owner's Copy
Third Copy—Driller's Copy

WATER WELL REPORT

STATE OF WASHINGTON

Start Card No. 018826

Water Right Permit No. 25/2E/15F

(1) OWNER: Name Mildred Frey 2 Address 836 NE Wardwell Rd, B.I, 98110

(2) LOCATION OF WELL: County KITSAP NW¼ SE¼ Sec. 15 T. 25 N, R. 2E W.M.

(2a) STREET ADDDRESS OF WELL (or nearest address) SAME

(3) PROPOSED USE: ☑ Domestic ☐ Industrial ☐ Municipal ☐ ☐ Irrigation ☐ Test Well ☐ Other ☐ ☐ DeWater

(4) TYPE OF WORK: Owner's number of well (if more than one) ____

Abandoned ☐ New well ☐ Method: Dug ☐ Bored ☐
Deepened ☐ Cable ☐ Driven ☐
Reconditioned ☐ Rotary ☑ Jetted ☐

(5) DIMENSIONS: Diameter of well 6 inches.
Drilled 112 feet. Depth of completed well 108' 6" ft.

(6) CONSTRUCTION DETAILS:

Casing installed: 6" Diam. from 0 ft. to 96 4½" ft.
Welded ☐
Liner installed ☐ " Diam. from ft. to ft.
Threaded ☐ " Diam. from ft. to ft.

Perforations: Yes ☐ No ☑
Type of perforator used ____
SIZE of perforations ____ in. by ____ in.
____ perforations from ____ ft. to ____ ft.
____ perforations from ____ ft. to ____ ft.
____ perforations from ____ ft. to ____ ft.

KP 1'6" ft.
3 *
3 5'2" ft.
3 *
5" Dia 8'1"
14'9"

Screens: Yes ☑ No ☐
Manufacturer's Name Smith (14'9")
Type TFIC Model No. ____
Diam. ____ Slot size 12 from 95'4" ft. to 100'4" ft.
Diam. ____ Slot size ____ from ____ ft. to ____ ft.

Gravel packed: Yes ☐ No ☑ Size of gravel ____
Gravel placed from ____ ft. to ____ ft.

Surface seal: Yes ☑ No ☐ To what depth? 18 ft
Material used in seal Bentonite
Did any strata contain unusable water? Yes ☐ No ☐
Type of water? ____ Depth of strata ____
Method of sealing strata off ____

(7) PUMP: Manufacturer's Name ____
Type: ____ H.P. ____

(8) WATER LEVELS: Land-surface elevation above mean sea level ____ ft.
Static level 6 ft. below top of well Date July 3, 1991
Artesian pressure ____ lbs. per square inch Date ____
Artesian water is controlled by ____ (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☐ No ☑ If yes, by whom? ____
Yield: ____ gal./min. with ____ ft. drawdown after ____ hrs.
" " " "
" " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test ____
Bailer test ____ gal./min. with ____ ft. drawdown after ____ hrs.
Airtest 90 gal./min. with stem set at 100 ft. for 1 hrs.
Artesian flow ____ g.p.m. Date ____
Temperature of water ____ Was a chemical analysis made? Yes ☐ No ☐

(10) WELL LOG or ABANDONMENT PROCEDURE DESCRIPTION

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of information.

MATERIAL	FROM	TO
Brn Sandy Soil	0	19
Brn Sand & gravel	19	23
Grey Sandy Clay	23	26
Brn Sandy Clay	26	33
Grey Clay	33	39
Sand (Grey) Silt	39	94'3"
Coarse Sand & Water Grey Sand, gravel Silt, Bark, Light	94'3"	101
Blue Clay	101	110
	110	112

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AUG 20 1991
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Work started July 3, 19. Completed July 3, 19 91

WELL CONSTRUCTOR CERTIFICATION:

I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

NAME Duckworth Pump & Well Drilling (PERSON, FIRM, OR CORPORATION) (TYPE OR PRINT)
Address 18365 Diamond Dr. Poulsbo
(Signed) Donald Duckworth (WELL DRILLER) License No. 1147
Contractor's Registration No. DUCKWPW148CJ Date 1-10, 1992

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20 (10/87) -1329

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

File Original and First Copy with Department of Ecology
Second Copy--Owner's Copy
Third Copy--Driller's Copy

WATER WELL REPORT

STATE OF WASHINGTON

Start Card No. [redacted] 25/2 115k

Water Right Permit No. _____

1) OWNER: Name Mildred Freyer Address 8366 NE Wardwell Rd, B.I, 98110

2) LOCATION OF WELL: County KITSAP NW ¼ SE ¼ Sec 15 T 25 N., R 2E W.M.

2a) STREET ADDRESS OF WELL (or nearest address) Same

3) PROPOSED USE: ☑ Domestic ☐ Industrial ☐ Municipal ☐ ☐ Irrigation ☐ Test Well ☐ Other ☐ ☐ DeWater

4) TYPE OF WORK: Owner's number of well (if more than one) _____
Abandoned ☐ New well ☐ Method: Dug ☐ Bored ☐
Deepened ☐ Cable ☐ Driven ☐
Reconditioned ☐ Rotary ☑ Jetted ☐

5) DIMENSIONS: Diameter of well 6 inches.
Drilled 112 feet. Depth of completed well 108'6" ft.

6) CONSTRUCTION DETAILS:
Casing Installed: 6 " Diam. from 0 ft. to 96 4½" ft.
Welded ☐ Liner installed ☐ Threaded ☐ _____ " Diam. from _____ ft. to _____ ft.

Perforations: Yes ☐ No ☑
Type of perforator used _____
SIZE of perforations _____ in. by _____
_____ perforations from _____ ft. to _____ ft.
_____ perforations from _____ ft. to _____ ft.
_____ perforations from _____ ft. to _____ ft.

Screens: Yes ☑ No ☐
Manufacturer's Name Smith (14'9")
Type Tele Model No. _____
Dia. _____ Slot size 12 from 95'9" ft. to 100'9" ft.
Dia. _____ Slot size _____ from _____ ft. to _____ ft.

Gravel packed: Yes ☐ No ☑ Size of gravel _____
Gravel placed from _____ ft. to _____ ft.

Surface seal: Yes ☑ No ☐ To what depth? 18 ft
Material used in seal Bentonite
Did any strata contain unusable water? Yes ☐ No ☐
Type of water? _____ Depth of strata _____
Method of sealing strata off _____

7) PUMP: Manufacturer's Name _____
Type: _____ H.P. _____

8) WATER LEVELS: Land-surface elevation above mean sea level _____ ft.
Static level 6 ft. below top of well Date July 3, 1991
Artesian pressure _____ lbs. per square inch Date _____
Artesian water is controlled by _____ (Cap, valve, etc.)

9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☐ No ☑ If yes, by whom? _____
Yield _____ gal./min. with _____ ft. drawdown after _____ hrs.
" " " "
" " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test _____
Bailer test _____ gal./min. with _____ ft. drawdown after _____ hrs.
Airtest 90 gal./min. with stem set at 100 ft. for 1 hrs.
Artesian flow _____ g.p.m. Date _____
Temperature of water _____ Was a chemical analysis made? Yes ☐ No ☐

(10) WELL LOG or ABANDONMENT PROCEDURE DESCRIPTION

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of information.

MATERIAL	FROM	TO
Brn Sandy Soil	0	19
Brn Sand & gravel	19	23
Grey Sandy Clay	23	26
Brn Sandy Clay	26	33
Grey Clay	33	39
Sand (Grey) Silt	39	94'5"
COARSE Sand & Water Grey	94'5"	101
Sand, gravel Silt, Bark, Lt, Water	101	110
Blue Clay	110	112

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JUN 16 1992
DEPT. OF ECOLOGY

Work started July 3 19. Completed July 3 19 91

WELL CONSTRUCTOR CERTIFICATION:

I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

NAME Duckworth Pump & Well Drilling Inc (PERSON, FIRM, OR CORPORATION) (TYPE OR PRINT)

Address 18365 Diamond Dr Poulsbo

(Signed) Donald Duckworth (WELL DRILLER) License No. 1147

Contractor's Registration No. DUCKWPW148CJ Date 1-10 19 92

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20 (10/87) -1320-

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

25/2E/28N

WATER WELL REPORT
STATE OF WASHINGTON

Start Card No. 078268
Water Right Permit No.

(1) OWNER: Name HOFFMAN, MARK Address 5150 N. TOLO RD. BAINBRIDGE, IS, WA 98110-

(2) LOCATION OF WELL: County KITSAP - SW 1/4 SW 1/4 Sec 28 T 25 N., R 2E WM

(2a) STREET ADDRESS OF WELL (or nearest address) NXT 6717 NE MARSHALL RD

(3) PROPOSED USE: DOMESTIC

(4) TYPE OF WORK: Owner's Number of well (If more than one)
NEW WELL Method: ROTARY

(5) DIMENSIONS: Diameter of well 6 inches
Drilled 59.5 ft. Depth of completed well 59.5 ft.

(6) CONSTRUCTION DETAILS:
Casing installed: 6 " Dia. from 0 ft. to 50 ft.
WELDED " Dia. from ft. to ft.
" Dia. from ft. to ft.

Perforations: NO
Type of perforator used
SIZE of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

Screens: YES
Manufacturer's Name HOUSTON
Type STAINLESS Model No.
Diam. 5 slot size 10 from 59.5 ft. to 54.5 ft.
Diam. 5 slot size 10 from 54.5 ft. to 49.5 ft.

Gravel packed: NO Size of gravel
Gravel placed from ft. to ft.

Surface seal: YES To what depth? 20 ft.
Material used in seal BENTONITE
Did any strata contain unusable water? NO
Type of water? Depth of strata ft.
Method of sealing strata off

(7) PUMP: Manufacturer's Name STA-RITE
Type SUBMERSIBLE H.P. 3/4

(8) WATER LEVELS: Land-surface elevation above mean sea level ... ft.
Static level 40 ft. below top of well Date 06/30/93
Artesian Pressure lbs. per square inch Date
Artesian water controlled by

(9) WELL TESTS: Drawdown is amount water level is lowered below static level.
Was a pump test made? YES If yes, by whom? ROSS
Yield: gal./min with ft. drawdown after hrs.

Recovery data

Time	Water Level	Time	Water Level	Time	Water Level

Date of test
Bailer test gal/min. ft. drawdown after hrs.
Air test 8 gal/min. w/ stem set at 55' ft. for 1 hrs.
Artesian flow g.p.m. Date
Temperature of water Was a chemical analysis made? YES

(10) WELL LOG

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change in formation.

MATERIAL	FROM	TO
BROWN HARDPAN	0	8
GRAY HARDPAN	8	19
LIGHT BROWN HARDPAN	19	29
LIGHT BROWN GRAVEL & CLAY	29	31
LIGHT BROWN SAND & CLAY	31	34
LIGHT BROWN CLAY	34	37
GRAY CLAY	37	39
LIGHT BROWN CLAY	39	41.5
BROWN SAND	41.5	52.5
GRAVEL SAND & WATER	52.5	59.5
	59.5	

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AUG 19 1993
DEPT. OF ECOLOGY

Work started 06/30/93 Completed 06/30/93

WELL CONSTRUCTOR CERTIFICATION:
I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

NAME DUCKWORTH PUMP & DRILLING
(Person, firm, or corporation) (Type or print)

ADDRESS 18365 DIAMOND DRIVE NE

[SIGNED] Donald Duckworth License No. 1148 1147

Contractor's
Registration No. DUCKWPW148CJ Date 07/08/93

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

NOTICE OF INTENT TO BEGIN WELL CONSTRUCTION 078268

Owner: MARK HOFFMAN Well Address: 6717 NE. MARSHALL Rd
Proposed use: Domestic BAIN. IS., WA. 98110
Location of well by legal description:
County KITSAP, SW ¼, SW ¼, Section 28 T 25 R 2E
Approx. Start Date: 6-30-93 Approximate End Date: 6-2-93
Driller: Don Duckworth License No. 1147
Company name: Duckworth Pump + Well Drilling Phone No. 2067799355
Contractor Registration Number: DUCKWPW148CJ

Send to the regional office, listed below, where the well is to be constructed:

Southwest Regional Office
Department of Ecology
7272 Cleanwater Lane
Olympia, Washington 98504-6811

Central Regional Office
Department of Ecology
3601 West Washington
Yakima, Washington 98903-1164

Northwest Regional Office
Department of Ecology
4350 - 150th Avenue N.E.
Redmond, Washington 98052-5301

Eastern Regional Office
Department of Ecology
N. 4601 Monroe, Suite 100
Spokane, Washington 99205-1295

UNRECORDED

STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY

WELL LOG

Record by... Driller

Source... Well Report

Location: State of WASHINGTON

County... Kitsap

Area...

Map...

SW 1/4 NW 1/4 sec. 34 T. 25 N., R. 2 E. W.

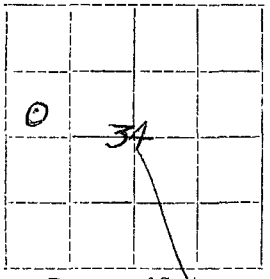

Diagram of Section

Drilling Co. Crabtree

Address St. Rt 2 Box 301 Kingston Wa

Method of Drilling Cable Date Dec 19 1977, 19...

Owner Michael John Clement 2

Address Rt #4 Box 4601 Bainbridge I.S. Wa.

Land surface, datum... — ft. above / below ...

SWL: 127' Date 14 Dec 1977, 19... Dims: 6" x 18 4"

25/2E-34E

File number

CORRELATION	Domestic MATERIAL	From (feet)	To (feet)
	Topsoil	0	4'
	Hardpan	4	25'
	Clay, blue	25	29'
	Gravel, hardpan	29	30'
	Sand, silty, brown	30	86'
	Silt-clay, blue	86	95'
	Silt, compact	95	137'
	Clay-silt, blue	137'	158'
	Shale, silt laminations	158'	179'
	Sand, dirty	179	184'
	Casing: 6" Dia.	0	177'
	Screen: Johnson SS 6"		
	Slot size - 12	177	182'
	Pump. Sta-Rite - 3/4 HP		
	Well Test: Yield 6 gpm w/ 28' DD @ 2.5 hrs		

(Transcribe driller's terminology literally but paraphrase as necessary, in parentheses If material water-bearing, so state and record static level if reported Give depths in feet below land-surface datum unless otherwise indicated Correlate with stratigraphic column, if feasible Following log of materials, list all casings, perforations, screens, etc)

Turn up

Sheet ... of ... sheets

of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

25/2W-07C

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT

STATE OF WASHINGTON

Application No.

Permit No.

(1) OWNER: Name Morris Komedall Address P.O. Box 4713 Rolling Bay, Wash.

(2) LOCATION OF WELL: County Kitsap NE ¼ NW ¼ Sec. 4 T. 25 N., R. 2E W.M.

Bearing and distance from section or subdivision corner

(3) PROPOSED USE: Domestic ☒ Industrial ☐ Municipal ☐ Irrigation ☐ Test Well ☐ Other ☐

(4) TYPE OF WORK: Owner's number of well (if more than one)

New well ☒ Method: Dug ☐ Bored ☐
Deepened ☐ Cable ☒ Driven ☐
Reconditioned ☐ Rotary ☐ Jetted ☐

(5) DIMENSIONS: Diameter of well 6 inches.
Drilled 183 ft. Depth of completed well 183 ft.

(6) CONSTRUCTION DETAILS:

Casing installed: 6 " Diam. from 0 ft. to 178 ft.
Threaded ☐ " Diam. from ft. to ft.
Welded ☒ " Diam. from ft. to ft.

Perforations: Yes ☐ No ☒
Type of perforator used
SIZE of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

Screens: Yes ☒ No ☐
Manufacturer's Name Johnson
Type Stainless Steel Model No. Super
Diam. 5 Slot size 8 from 178 ft. to 183 ft.
Diam. Slot size from ft. to ft.

Gravel packed: Yes ☐ No ☒ Size of gravel
Gravel placed from ft. to ft.

Surface seal: Yes ☒ No ☐ To what depth? 18 ft.
Material used in seal Bentonite & clay
Did any strata contain unusable water? Yes ☐ No ☒
Type of water? Depth of strata
Method of sealing strata off

(7) PUMP: Manufacturer's Name Installed by others
Type: H.P.

(8) WATER LEVELS: Land-surface elevation above mean sea level ft.
Static level 115 ft. below top of well Date 9/13/78
Artesian pressure lbs. per square inch Date
Artesian water is controlled by (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☐ No ☒ If yes, by whom?
Yield: gal./min. with ft. drawdown after hrs.

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test
Bailer test 7 gal./min. with 28 ft. drawdown after 4 hrs.
Artesian flow g.p.m. Date
Temperature of water 49 Was a chemical analysis made? Yes ☐ No ☒

(10) WELL LOG:

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL	FROM	TO
Brown sand stones	0	1
Brown cemente soil	1	27
Gray brown sand	27	40
Blue green cemented soil	40	43
Gray cemented soil (weeps)	43	44
Blue gray clay & stones	44	47
Blue clay & stones	47	58
Blue clay	58	79
Fine gray sand W/B	79	84
Green clay & stones W/B	84	92
Blue clay & gravel	92	96
Blue clay	96	98
Stratified clay & layers of sand & stones W/B	98	103
Blue clay	103	172
Fine gray sand W/B	172	183

Work started 8/23 19 78 Completed 9/13 19 78

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME Stolcan Drilling Inc. (Person, firm, or corporation) (Type or print)

Address Rt. 3, Box 175 Port Orchard, Wa.

[Signed] (Well Driller)

License No. Date 9/29 19 78

RECEIVED

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

25/02-05J

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT

STATE OF WASHINGTON NE¼, SE¼ Application No. Permit No.

(1) OWNER: Name Mike Meyers Address 16120 - Agate Pt. Rd. NE Bainbridge Is. WA 98110

(2) LOCATION OF WELL: County Kitsap - S. ½ of center ½ of N. ½ of S ½ of Govt Lot 3 Sec. 5 T. 25 N., R. 2E W.M.
Bearing and distance from section or subdivision corner and the S. 1/3 of N. ½ of S ½ of Govt. Lot 3 Sec. 5 T. 25 N R. 2E W.m. Except the South 80 ft. thereof.

(3) PROPOSED USE: Domestic ☒ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

(4) TYPE OF WORK: Owner's number of well (if more than one)
New well ☒ Method: Dug ☐ Bored ☐
Deepened ☐ Cable ☐ Driven ☐
Reconditioned ☐ Rotary ☐ Jetted ☐

(5) DIMENSIONS: Diameter of well 6 inches.
Drilled 113 ft. Depth of completed well 113 ft.

(6) CONSTRUCTION DETAILS:
Casing installed: 6 " Diam. from 0 ft. to 113 ft.
Threaded ☐ " Diam. from ft. to ft.
Welded ☒ " Diam. from ft. to ft.

Perforations: Yes ☐ No ☒
Type of perforator used
SIZE of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

Screens: Yes ☒ No ☐
Manufacturer's Name Johnson
Type Stainless Steel Model No.
Diam. 6" Slot size #8 from 108 ft. to 113 ft.
Diam. Slot size from ft. to ft.

Gravel packed: Yes ☐ No ☒ Size of gravel:
Gravel placed from ft. to ft.

Surface seal: Yes ☒ No ☐ To what depth? 22 ft.
Material used in seal Bentonite
Did any strata contain unusable water? Yes ☐ No ☐
Type of water? Depth of strata
Method of sealing strata off

(7) PUMP: Manufacturer's Name
Type: H.P.

(8) WATER LEVELS: Land-surface elevation above mean sea level ft.
Static level 54 ft. below top of well Date 8-79
Artesian pressure lbs. per square inch Date
Artesian water is controlled by (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☐ No ☐ If yes, by whom?
Yield: gal./min. with ft. drawdown after hrs.
" " " "
" " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test
Bailer test 9 gal./min. with 46 ft. drawdown after 2 hrs.
Artesian flow g.p.m. Date
Temperature of water Was a chemical analysis made? Yes ☐ No ☐

(10) WELL LOG:

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL	FROM	TO
Top Soil	0	3
Compact Sand & Gravel	3	80
Coarse Gravel & Water	80	90
Brown Clay	90	95
Hardpan	95	105
Sand & Water	105	113
Blue Clay	113	

RECEIVED
SEP 17
DEPT. OF ECOLOGY REGIONAL OFFICE

Work started 8-, 19 79 Completed 8-, 19 79

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME Burt Well Drilling, Inc. (Person, firm, or corporation) (Type or print)

Address Rt. 1, Box 283 Poulsbo, WA 98370

[Signed] George O. Burt (Well Driller)

License No. 0048 Date 8-30, 19 79

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

File Original and First Copy with Department of Ecology
Second Copy—Owner's Copy
Third Copy—Driller's Copy

WATER WELL REPORT

STATE OF WASHINGTON

Start Card No. [redacted]

Water Right Permit No. 25/2/34C+

(1) OWNER: Name Michael O'Hara Address 11416 Logg Rd NE, B.I. 98110

(2) LOCATION OF WELL: County Kitsap SW ¼ NE ¼ Sec. 34 T. 25 N., R. 2E W.M.

(2a) STREET ADDDRESS OF WELL (or nearest address) 6028 Eagle Harbor Drive NE, Bain Is, WA 98110

(3) PROPOSED USE: ☐ Domestic ☐ Industrial ☐ Municipal ☐ Irrigation ☐ Test Well ☐ Other ☐ DeWater

(4) TYPE OF WORK: Owner's number of well (if more than one)
Abandoned ☐ New well ☐ Method: Dug ☐ Bored ☐ Deepened ☐ Cable ☑ Driven ☐ Reconditioned ☐ Rotary ☐ Jetted ☐

(5) DIMENSIONS: Diameter of well 8" inches. Drilled 180 feet. Depth of completed well 164' ft.

(6) CONSTRUCTION DETAILS:
Casing installed: 12" Diam. from 0 ft. to 151' 2½" ft.
Welded ☑ Linar installed ☐ Threaded ☐ 8" Diam. from 0 ft. to 141 9½ ft.
Diam. from ft. to ft.

Perforations: Yes ☐ No ☑
Type of perforator used
SIZE of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

Screens: Yes ☑ No ☐
Manufacturer's Name Houston
Type Tele Model No.
Diam 6 Slot size 30 from 149 ft. to 154 ft.
Diam 6 Slot size 30 from 154 ft. to 159 ft.

Gravel packed: Yes ☑ No ☐ Size of gravel 8 x 12
Gravel placed from 149 ft. to 164 ft.

Surface seal: Yes ☑ No ☐ To what depth? 18 ft.
Material used in seal Bentinite
Did any strata contain unusable water? Yes ☐ No ☑
Type of water? Depth of strata
Method of sealing strata off

(7) PUMP: Manufacturer's Name
Type H.P.

(8) WATER LEVELS: Land-surface elevation above mean sea level ft.
Static level 131 ft. below top of well Date 10-12-90
Artesian pressure lbs. per square inch Date
Artesian water is controlled by (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☐ No ☐ If yes, by whom?
Yield gal./min. with ft. drawdown after hrs.
Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test
Bailer test 20 gal./min. with 14 ft. drawdown after 4 hrs.
Airtest gal./min. with stem set at ft. for hrs.
Artesian flow g.p.m. Date
Temperature of water Was a chemical analysis made? Yes ☐ No ☐

(10) WELL LOG or ABANDONMENT PROCEDURE DESCRIPTION

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of information.

MATERIAL	FROM	TO
Brn soil, some stones	2	6
Brn soil, hint of Brn clay	6	8
Brn grey clay	8	10
Grey clay	10	12
Sticky Brn grey clay	12	14
Dense stick grey Blue clay	14	42
Brn sticky clay	42	45
Hard Brn clay, Big gravel	45	61
Brn sandy clay & pea gravel	61	68
Hard Brn clay, Big gravel	68	80
Brn clay & pea gravel	80	82
Brn fine sandy clay	82	84
Brn grey clay	84	124
Brn grey sticky clay & gravel	124	137
Grey clay	137	139
Coarse Grey Sandy clay	139	148
Dirty coarse grey sand, white Pumas, wood, 10' sand	148	152
Finer dirty, mushy sand small Pumas	152	154
Clean coarse grey sand 12' water	154	156
Heaving coarse grey sand 20' water over	156	159
Brn clay strip, dirty Brn silty mushy sand	159	161
Dry Brn silty clay trace sand	161	163
Sticky Grey Blue clay	163	180

RECEIVED
JUN 16 1992
DEPT. OF ECOLOGY

Work started Sept 13, 19 90 completed Oct 12, 19 90

WELL CONSTRUCTOR CERTIFICATION:
I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

NAME Duckworth Pump & Well Drilling (PERSON, FIRM, OR CORPORATION) (TYPE OR PRINT)
Address 18365 Diamond Dr. Poulsbo
(Signed) Donald O Duckworth (WELL DRILLER) License No. 1147
Contractor's Registration No. DUCKWAW148CJ Date 1-10, 19 91

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1 20 (10/87) -1329- 3

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

356077

WATER WELL REPORT

RECEIVED
DEPARTMENT OF ECOLOGY
APR 29 2010
WATER RESOURCES PROGRAM
NWRO

CURRENT

26-2E-33E

Original & 1st copy – Ecology, 2nd copy – owner, 3rd copy – driller

Construction/Decommission *("x" in circle)*

☒ Construction

☐ Decommission *ORIGINAL INSTALLATION*

Notice of Intent Number

Notice of Intent No. WEO9940

Unique Ecology Well ID Tag No. BAB 172

Water Right Permit No. N/A

PROPOSED USE: ☐ Domestic ☐ Industrial ☒ Municipal ☐ DeWater ☐ Irrigation ☐ Test Well ☐ Other

TYPE OF WORK: Owner's number of well (if more than one) 2

☒ New well ☐ Reconditioned *Method:* ☐ Dug ☐ Bored ☐ Driven ☐ Deepened ☐ Cable ☒ Rotary ☐ Jetted

DIMENSIONS: Diameter of well 4 inches, drilled 1200 ft. Depth of completed well 1092 ft.

CONSTRUCTION DETAILS

Casing ☒ Welded 8" Diam. from 0 ft. to 474 ft.

Installed: ☒ Liner installed 4" Diam. from 0 ft. to 1092 ft.

☐ Threaded ____" Diam. From ____ ft. to ____ ft.

Perforations: ☐ Yes ☒ No

Type of perforator used

SIZE of perfs ____ in. by ____ in. and no. of perfs ____ from ____ ft. to ____ ft.

Screens: ☒ Yes ☐ No ☐ K-Pac Location

Manufacturer's Name JNSN

Type SS Model No. TELES

Diam. 4 Slot size 20 from 1092 ft. to 1152 ft.

Diam. ____ Slot size ____ from ____ ft. to ____ ft.

Gravel/Filter packed: ☒ Yes ☐ No Size of gravel/sand 10-20

Materials placed from 920 ft. to 1153 ft.

Surface Seal: ☒ Yes ☐ No To what depth? 18 ft.

Material used in seal BENTONITE

Did any strata contain unusable water? ☐ Yes ☒ No

Type of water? Depth of strata

Method of sealing strata off

PUMP: Manufacturer's Name

Type: H.P.

WATER LEVELS: Land-surface elevation above mean sea level ____ ft.

Static level 117.9 ft. below top of well Date 10/09/2009

Artesian pressure ____ lbs. per square inch Date

Artesian water is controlled by (cap, valve, etc.)

WELL TESTS: Drawdown is amount water level is lowered below static level

Was a pump test made? ☒ Yes ☐ No If yes, by whom? Nicholson Drilling

Yield: 50 gal./min. with 11 ft. drawdown after .5 hrs.

Yield: 50 gal./min. with 11.1 ft. drawdown after 1 hrs.

Yield: 50 gal./min. with 11.5 ft. drawdown after 4 hrs.

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level
1 MIN	117.9				

Date of test 10.09.2009

Bailer test 37 gal./min. with 37 ft. drawdown after 15 hrs.

Airtest ____ gal./min. with stem set at ____ ft. for ____ hrs.

Artesian flow ____ g.p.m. Date

Temperature of water ____ Was a chemical analysis made? ☒ Yes ☐ No

Property Owner Name DOUGLAS ELLIOTT AND THOMAS MONK

Well Street Address 15459 HARVEY RD NE

City BAINBRIDGE IS County KITSAP

Location SW 1/4-1/4 NW 1/4 Sec 33 Twn 26N R 2E (s, t, r Still REQUIRED) EWM ☒ Or WWM ☐

Lat/Long Lat Deg ____ Lat Min/Sec ____ Long Deg ____ Long Min/Sec ____

Tax Parcel No. (Required) 3326 022 085 2009

CONSTRUCTION OR DECOMMISSION PROCEDURE

Formation: Describe by color, character, size of material and structure, and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of information. (USE ADDITIONAL SHEETS IF NECESSARY.)

MATERIAL	FROM	TO
PIPE STICK UP	0	1.5
BROWN SAND CLAY WET	1.5	20
GRAY SNAD GRAVEL CLAY	20	41
GRAY SAND CLAY WATER	41	49
GRAY CLAY	49	54
GRAY SAND WATER	54	62
GRAY CLAYGRAY SAND WATER	62	78
GRAY SANDY CLAY WATER	78	91
GRAY SAND GRAVEL CLAY WATER	91	125
GRAY COARSE SAND GRAVEL	125	133
GRAY CLAY	133	167
GRAY GRAVEL SAND WATER	167	177
GRAY HARDPAN	177	184
GRAY SOFT CLAY	184	253
GRAY HARD CLAY	253	400
GRAY CLAY SHALE SMALL GRAVELS	400	465
GRAY SANDY CLAY	465	529
GRAY HARDPAN SHALE	529	546
BROWN/GRAY SOFT CLAY	546	588
GR SILT SAND CLAY WOOD WATER	588	644
GRAY HARDPAN	644	832
GRAY CLAY	832	842
GRAY HARDPAN	842	848
GRAY CLAY	848	908
GRAY GRAVEL SAND WATER	908	1012
GRAY GRAVEL SAND CLAY	1012	1065
GRAY SILT SAND GRAVEL WATER	1065	1145
GRAY CLAY	1145	1164
GRAY SAND WATER	1164	1170
GRAY HARDPAN	1170	1175
log continued page 2		

Start Date 06/01/2009 Completed Date 10/08/2009

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

☒ Driller ☐ Engineer ☐ Trainee Name (Print) JOHN SULLIVAN

Driller/Engineer/Trainee Signature

Driller or trainee License No. 2218

IF TRAINEE: Driller's License No:

Driller's Signature:

Drilling Company NICHOLSON DRILLING INC

Address PO BOX 123

City, State, Zip PORT ORCHARD , WA, 98366

Contractor's Registration No. NICHOD11370M Date 10.08.2009

ECY 050-1-20 (Rev 4/07)

Ecology is an Equal Opportunity Employer

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

356077

WATER WELL REPORT

Original & 1st copy – Ecology, 2nd copy – owner, 3rd copy – driller

26-7E-33E

Construction/Decommission *("x" in circle)*

☒ Construction

☐ Decommission *ORIGINAL INSTALLATION*

Notice of Intent Number _____

PROPOSED USE: ☐ Domestic ☐ Industrial ☒ Municipal ☐ DeWater ☐ Irrigation ☐ Test Well ☐ Other _____

TYPE OF WORK: Owner's number of well (if more than one) 2

☒ New well ☐ Reconditioned *Method:* ☐ Dug ☐ Bored ☐ Driven ☐ Deepened ☐ Cable ☒ Rotary ☐ Jetted

DIMENSIONS: Diameter of well 4 inches, drilled 1200 ft. Depth of completed well 1092 ft.

CONSTRUCTION DETAILS

Casing ☒ Welded 8" Diam. from 0 ft. to 474 ft.

Installed: ☒ Liner installed 4" Diam. from 0 ft. to 1092 ft.

☐ Threaded _____" Diam. From _____ ft. to _____ ft.

Perforations: ☐ Yes ☒ No

Type of perforator used _____

SIZE of perfs _____ in by _____ in. and no. of perfs _____ from _____ ft. to _____ ft.

Screens: ☒ Yes ☐ No ☐ K-Pac Location _____

Manufacturer's Name JNSN

Type SS Model No. TELES

Diam. 4 Slot size 20 from 1092 ft. to 1152 ft.

Diam. _ Slot size _ from _ ft. to _ ft.

Gravel/Filter packed: ☒ Yes ☐ No Size of gravel/sand 10-20

Materials placed from 920 ft. to 1153 ft.

Surface Seal: ☒ Yes ☐ No To what depth? 18 ft.

Material used in seal BENTONITE

Did any strata contain unusable water? ☐ Yes ☒ No

Type of water? _____ Depth of strata _____

Method of sealing strata off _____

PUMP: Manufacturer's Name _____

Type: _____ H.P. _____

WATER LEVELS: Land-surface elevation above mean sea level _____ ft.

Static level 117.9 ft. below top of well Date 10/08/2009

Artesian pressure _____ lbs. per square inch Date _____

Artesian water is controlled by _____ (cap, valve, etc.)

WELL TESTS: Drawdown is amount water level is lowered below static level

Was a pump test made? ☒ Yes ☐ No If yes, by whom? _____

Yield: 50 gal./min. with 11 ft. drawdown after .5 hrs.

Yield: 50 gal./min. with 11.1 ft. drawdown after 1 hrs.

Yield: 50 gal./min. with 11.5 ft. drawdown after 4 hrs.

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level
1MIN	117.9				

Date of test 10.09.09

Bailer test 37 gal./min. with 15 ft. drawdown after 1 hrs.

Airtest _____ gal./min. with stem set at _____ ft. for _____ hrs.

Artesian flow _____ g.p.m. Date _____

Temperature of water _____ Was a chemical analysis made? ☒ Yes ☐ No

CURRENT

Notice of Intent No. WE09944

Unique Ecology Well ID Tag No. BAB 172

Water Right Permit No. N/A

Property Owner Name DOUGLAS ELLIOTT AND THOMAS MONK

Well Street Address 15459 HARVEY RD NE

City BAINBRIDGE IS County KITSAP

Location SW1/4-1/4 NW1/4 Sec 33 Twn 26N R 2E (s, t, r Still REQUIRED) EWM ☒ Or WWM ☐

Lat/Long Lat Deg ____ Lat Min/Sec ____ Long Deg ____ Long Min/Sec ____

Tax Parcel No. (Required) 3326 022 085 2009

CONSTRUCTION OR DECOMMISSION PROCEDURE

Formation: Describe by color, character, size of material and structure, and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of information. (USE ADDITIONAL SHEETS IF NECESSARY.)

MATERIAL	FROM	TO
continued from page 1		
GRAY CLAY	1175	1191
GRAY SANDY CLAY	1191	1194
GRAY SAND	1194	1200

RECEIVED
OCT 16 2009
DEPARTMENT OF ECOLOGY

Start Date 10.08.2009 Completed Date 10.08.2009

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

☒ Driller ☐ Engineer ☐ Trainee Name (Print) JOHN SULLIVAN

Driller/Engineer/Trainee Signature _____

Driller or trainee License No. 2218

IF TRAINEE: Driller's License No:

Driller's Signature:

Drilling Company NICHOLSON DRILLING INC

Address PO BOX 123

City, State, Zip PORT ORCHARD , WA, 98366

Contractor's Registration No. NICHOD1370M Date 10.13.2009

ECY 050-1-20 (Rev 4/07)

Ecology is an Equal Opportunity Employer

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

ENTERED

WATER WELL REPORT

STATE OF WASHINGTON

Start Card No. 053914

UNIQUE WELL I.D. # ABP730

Water Right Permit No. 25/2E/17-F

(1) OWNER: Name Montessori Country School Address 10494 Arrow Pt. Dr. N.E. Bainbridge Fsl, Wa. 98110

(2) LOCATION OF WELL: County Kitsap SE 1/4 NW 1/4 Sec 17 T 25N N., R 2E W.M.

(2a) STREET ADDRESS OF WELL (or nearest address)

(3) PROPOSED USE: ☐ Domestic ☐ Industrial ☐ Municipal ☐ ☐ Irrigation ☐ Test Well ☐ Other ☐ ☐ DeWater

(4) TYPE OF WORK: Owner's number of well (if more than one)

Abandoned ☐ New well ☒ Method: Dug ☐ Bored ☐ Deepened ☐ Cable ☒ Driven ☐ Reconditioned ☐ Rotary ☐ Jetted ☐

(5) DIMENSIONS: Diameter of well 6 inches. Drilled 306 feet. Depth of completed well 306 ft.

(6) CONSTRUCTION DETAILS:

Casing installed: 6" Diam. from 0 ft. to 296 ft. Welded ☒ Liner installed ☐ Threaded ☐ " Diam. from ft. to ft. " Diam. from ft. to ft.

Perforations: Yes ☐ No ☒

Type of perforator used

SIZE of perforations in. by in.

perforations from ft. to ft.

perforations from ft. to ft.

perforations from ft. to ft.

Screens: Yes ☒ No ☐

Manufacturer's Name Johnson

Type Stainless Steel Model No.

Diam. 6" Slot size #4 from 296 ft. to 306 ft.

Diam. Slot size from ft. to ft.

Gravel packed: Yes ☐ No ☒ Size of gravel

Gravel placed from ft. to ft.

Surface seal: Yes ☒ No ☐ To what depth? 22 ft.

Material used in seal Bentonite

Did any strata contain unusable water? Yes ☐ No ☐

Type of water? Depth of strata

Method of sealing strata off

(7) PUMP: Manufacturer's Name Flint & Walling

Type: Submersible H.P. 2

(8) WATER LEVELS: Land-surface elevation above mean sea level ft.

Static level 114' 8" ft. below top of well Date 7-27-95

Artesian pressure lbs. per square inch Date

Artesian water is controlled by (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level

Was a pump test made? Yes ☒ No ☐ If yes, by whom?

Yield: 20 gal./min. with 31 ft. drawdown after 6 hrs.

" " " "

" " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test

Bailer test gal./min. with ft. drawdown after hrs.

Airtest gal./min. with stem set at ft. for hrs.

Artesian flow g.p.m. Date

Temperature of water Was a chemical analysis made? Yes ☒ No ☐

(10) WELL LOG or ABANDONMENT PROCEDURE DESCRIPTION

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of information.

MATERIAL	FROM	TO
Brown Sand & Gravel	0	30
Brown Cemented Sand & Gravel	30	55
" " " "	55	67
gray Cemented Sand & Gravel	67	107
Sand & gravel	107	110
gray Silt	110	286
gray Silt, FINE Sand w/water	286	306

RECEIVED

AUG 3 1995

DEPT. OF ECOLOGY

Work Started 7-10 19 95 Completed 7-21 19 95

WELL CONSTRUCTOR CERTIFICATION:

I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

NAME Burt Well Drilling, Inc. (PERSON, FIRM, OR CORPORATION) (TYPE OR PRINT)

Address 19782 N.E. Lincoln Rd. Poulsbo, Wa. 98370

(Signed) Heaye Burt (WELL DRILLER) License No. 0048

Contractor's Registration No. BURTWI*227BU Date 7-31 19 95

(USE ADDITIONAL SHEETS IF NECESSARY)

Ecology is an Equal Opportunity and Affirmative Action employer. For special accommodation needs, contact the Water Resources Program at (206) 407-6600. The TDD number is (206) 407-6006.

ECY 050-1-20 (9/93)

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT
STATE OF WASHINGTON

25/2E 1C7 Application No.
Permit No. G-22940

(1) OWNER: Name North Bainbridge Water Co. Address Bainbridge Island, WA 98110

(2) LOCATION OF WELL: County Kitsap SW¼ NE¼ Sec. 9 T25 N., R2E W.M.
Bearing and distance from section or subdivision corner

(3) PROPOSED USE: Domestic ☐ Industrial ☐ Municipal ☐ Irrigation ☐ Test Well ☐ Other ☐

(4) TYPE OF WORK: Owner's number of well (if more than one) #1
New well ☐ Method: Dug ☐ Bored ☐
Deepened ☒ Cable ☒ Driven ☐
Reconditioned ☐ Rotary ☐ Jetted ☐

(5) DIMENSIONS: Diameter of well 8 inches.
Drilled 40 ft. Depth of completed well 62.5 ft.

(6) CONSTRUCTION DETAILS:
Casing installed: 6 " Diam. from 0 ft. to 62.5 ft.
Threaded ☐ " Diam. from ft. to ft.
Welded ☒ " Diam. from ft. to ft.

Perforations: Yes ☐ No ☒
Type of perforator used
SIZE of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

Screens: Yes ☒ No ☐
Manufacturer's Name Johnson
Type Stainless Steel Model No.
Diam. 6 Slot size #12 from 57.5 ft. to 62.5 ft.
Diam. Slot size from ft. to ft.

Gravel packed: Yes ☐ No ☒ Size of gravel
Gravel placed from ft. to ft.

Surface seal: Yes ☐ No ☒ To what depth? ft.
Material used in seal
Did any strata contain unusable water? Yes ☐ No ☐
Type of water? Depth of strata
Method of sealing strata off

(7) PUMP: Manufacturer's Name
Type: H.P. 1½

(8) WATER LEVELS: Land-surface elevation above mean sea level ft.
Static level 40 ft. below top of well Date 7-15-77
Artesian pressure lbs. per square inch Date
Artesian water is controlled by (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☐ No ☒ If yes, by whom?
Yield: gal./min. with ft. drawdown after hrs.
" " " "
" " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test
Baller test gal./min. with ft. drawdown after hrs.
Artesian flow g.p.m. Date
Temperature of water Was a chemical analysis made? Yes ☐ No ☐

(10) WELL LOG:
Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL	FROM	TO
Unknown	0	40
Brown Hardpan	40	60
Sand, Gravel & Water	60	62.5

Work started 7-14 19 77 Completed 7-15 19 77

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME Burt Well Drilling, Inc. (Person, firm, or corporation) (Type or print)

Address RT. 1, Box 283 Poulsbo, Wa. 98370

[Signed] George D. Burt (Well Driller)

License No. 0048 Date 3-30 19 78

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

Bruner, Marian (ECY)

From: Marty Sebren [marty@kpud.org]
Sent: Friday, February 26, 2010 12:55 PM
To: Bruner, Marian (ECY)
Subject: RE: Well Logs contact

Marian,
Here are some additional corrections; and I'm sure there will be others.
Martin

well_log_id	well_tag_nr
291718	AAB455
291719	AAB455
68860	AAC832
68861	AEK853
68862	AAC826
68863	AEK854
68864	AEK852
117239	AAB455
291720	AAB455
70177	AEK855
61871	AAA113

From: Bruner, Marian (ECY) [mailto:mbru461@ECY.WA.GOV]
Sent: Wednesday, February 24, 2010 8:20 AM
To: Marty Sebren
Subject: RE: Well Logs contact

Thank you very much! Those changes will be made.

Marian

From: Marty Sebren [mailto:marty@kpud.org]
Sent: Tuesday, February 23, 2010 3:05 PM
To: Bruner, Marian (ECY)
Subject: Well Logs contact

To Whom It May Concern:

In the table below I have associated **well_log_id** with **well_tag_nr** for a number of older Kitsap PUD well logs where your system currently lacks the well_tag_nr. Please update your system with the **well_tag_nr** provided here.

well_log_id	well_tag_nr	well_depth_qt	well_diameter_qt	well_owner_nm
66900	AAA106	212	12	KITSAP COUNTY PUD
66901	AAC799	364	12	KITSAP COUNTY PUD #1
66902	AAA111	1030	6	KITSAP COUNTY PUD #1
66903	AAA110	402	8	KITSAP COUNTY PUD #1
66904	AAA012	805	10	KITSAP COUNTY PUD #1
66905	AAA014	338	12	KITSAP COUNTY PUD NO. 1
66910	AAC340	1070	6	KITSAP PUD #1

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

25/02-27 N

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT
STATE OF WASHINGTON

Application No. .....
Permit No. GI-25178

(1) OWNER: Name MARK SALO Address P.O.Box 10907 Winslow, WA. 98110

(2) LOCATION OF WELL: County KITSAP SW¼ - SW ¼ SW ¼ Sec 27 T 25 N., R 2E W M.

Bearing and distance from section or subdivision corner

(3) PROPOSED USE: Domestic ☒ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

(4) TYPE OF WORK: Owner's number of well (if more than one) .....
New well ☒ Method: Dug ☐ Bored ☐
Deepened ☐ Cable ☒ Driven ☐
Reconditioned ☐ Rotary ☐ Jetted ☐

(5) DIMENSIONS: Diameter of well 6 inches.
Drilled 170 ft. Depth of completed well 170 ft.

(6) CONSTRUCTION DETAILS:

Casing installed: ..." Diam. from ... ft. to ... ft.
Threaded ☐ ..." Diam. from ... ft. to ... ft.
Welded ☒ 6..." Diam. from ... ft. to ... ft.

Perforations: Yes ☐ No ☒
Type of perforator used .....
SIZE of perforations ... in. by ... in.
... perforations from ... ft. to ... ft.
... perforations from ... ft. to ... ft.
... perforations from ... ft. to ... ft.

Screens: Yes ☒ No ☐
Manufacturer's Name .....
Type STAINLESS JOHNSON Model No .....
Diam. 6 Slot size 8 from 166 ft. to 170 ft.
Diam. ... Slot size ... from ... ft. to ... ft.

Gravel packed: Yes ☐ No ☒ Size of gravel: .....
Gravel placed from ... ft. to ... ft.

Surface seal: Yes ☒ No ☐ To what depth? 18 ft.
Material used in seal .....
Did any strata contain unusable water? Yes ☐ No ☐
Type of water? ... Depth of strata ...
Method of sealing strata off .....

(7) PUMP: Manufacturer's Name WORTHINGTON
Type: SUB. H.P. 1

(8) WATER LEVELS: Land-surface elevation above mean sea level .... ft.
Static level 57 ft. below top of well Date 4-10-79
Artesian pressure ... lbs. per square inch Date ...
Artesian water is controlled by ... (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☒ No ☐ If yes, by whom? DRILLER
Yield: 9.6 gal./min. with 100 ft. drawdown after 2 hrs.
" " " "
" " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test 4-10-79
Bailer test 10 gal./min. with 100 ft. drawdown after 24 hrs.
Artesian flow ... g.p.m. Date 4-9-79
Temperature of water ... Was a chemical analysis made? Yes ☐ No ☒

(10) WELL LOG:

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL	FROM	TO
SAND - CLAY BR	0	35
CLAY BR	35	54
CLAY SILT SAND grey	54	61
CLAY [illegible] grey	61	94
CLAY BL	94	165
FINE SAND BLACK	165	170
Clay grey	170	

Work started 3-30 19 79 Completed 4-10 19 79

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME ... (Person, firm, or corporation) (Type or print)

Address ...

[Signed] Walter H. Enger (Well Driller)

License No. 0120 Date 4-10 19 79

(USE ADDITIONAL SHEETS IF NECESSARY)

S. F. No. 7356—OS—(Rev. 4-71).

ENTERED

File: Orig. & First Copy - Dept of Ecology
Second Copy - Owner; Third Copy - Driller

WATER WELL REPORT
State of Washington

Start Card No. 054300
Unique Well ID AAC264
Water Right Permit No

(1) OWNER: Name MARK WALKER Address 11899 VENICE LOOP NE B.I. WA 98110 Page 1 of
(2) LOCATION OF WELL: County KITSAP NE 1/4 SW 1/4 Sec 8 T 25 N R 2 E
(2a) STREET ADDRESS OF WELL (or nearest address) 11899 VENICE LOOP NE B.I. WA 98110

25-2E-8 L

(3) PROPOSED USE: DOMESTIC Owner Well ID
(4) Type of work: NEW WELL
Method: CABLE

(5) DIMENSIONS: Diameter of well 6 inches.
Drilled 287 feet. Depth of completed well 287 ft.

(6) CONSTRUCTION DETAILS:
Casing instld: 6 " Diam. from 0 ft. to 282 ft.
Welded X " Diam. from ft. to ft.
Liner _ " Diam. from ft. to ft.
Threaded _

Perforations: Yes _ No X
Type of perforator used
Size of perforations in. by in.
perforations from ft. to in.
perforations from ft. to in.
perforations from ft. to in.

Screens: Yes X No _
Manufacturer's Name JOHNSON
Type STAINLESS Model No SUPER
Diam 6 Slot size 4 from 282 ft. to 287 ft.
Diam Slot size from ft. to ft.

Gravel packed: Yes _ No X Size of gravel
Gravel placed from ft. to ft.

Surface seal: Yes X No _ To what depth? 20 ft.
Material used in seal BENTONITE
Did any strata contain unusable water? Yes _ No X
Type of water? Depth of strata
Method of sealing strata off

(7) PUMP: Manufacturer's Name GRUNDFOS
Type SUBMERSIBLE H.P. 1.5

(8) WATER LEVELS: Surface elev above mean sea level 80 ft.
Static level 76-8 ft. below top of well Date 09/20/96
Artesian pressure lbs. per sq. in. Date
Artesian pressure is controlled by

(9) WELL TESTS: Pump test made? YES By whom? DRILLER
Yield 20 gal./min. with 50 ft. drawdown after 4 hrs
Yield 0 gal./min. with ft. drawdown after hrs
Yield 0 gal./min. with ft. drawdown after hrs
Recovery data:

Time	Wtr. Lvl.	Time	Wtr. Lvl.	Time	Wtr. Lvl.
3:30	126-3	3:31	114-6	3:32	105-4
3:33	99	3:34	93-10	3:35	90
3:40	81-3				

Date of test 09/20/96
Bailer test 20 gal/min with 42 ft. drawdown after 3 hr
Airtest 0 gal/min with stem set at ft. for hrs
Artesian flow 0 gal/min Date
Temperature of water Was chemical analysis made? YES

(10) WELL LOG or DECOMMISSIONING PROCEDURE DESCRIPTION

Material		From	To
HARDPAN	BROWN	0	3
CLAY SANDY	BROWN	3	26
SILT COMPACT	BROWN	26	48
SILT COMPACT SANDY	BROWN	48	56
SILT COMPACT	BLUE	56	84
CLAY	BLUE	84	91
SILT COMPACT	BLUE	91	104
SILT COMPACT STICKY	BLUE	104	135
SILT COMPACT	GRAY	135	193
SILT COMPACT W/GRITS	GRAY	193	221
SILT W/GRITS & WOOD	GRAY	221	227
SILT COMPACT	GRAY	227	249
SILT COMPACT W/GRITS	GRAY	249	270
SILT W/WOOD	GRAY	270	279
SAND SILTY	GRAY	279	281
SAND FINE	GRAY	281	287
SILT COMPACT	GRAY	287	

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SEP 30 1996
DEPT. OF ECOLOGY

Work Started 09/10/96 Completed 09/20/96

WELL CONSTRUCTOR CERTIFICATION:
I constructed and/or accept responsibility for construction this well, and its compliance with all Washington well construction standards. Materials used and the information report above are true to my best knowledge and belief.

Name CRABTREE DRILLING CO.
Address 33349 Eglon Road NE Kingston WA 98346

(Signed) Jerry Crabtree License No 82
(Well Driller)
Contractor's Registration No. 09702 Date 09/22/
Based on form ECL 050-1-20 (2/93)**f-1329 by Speed Systems Co

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT

STATE OF WASHINGTON

25/02 - 10 K B Application No. .....

Permit No. .....

(1) OWNER: Name Margaret Whitney Address Rt. 7 Box 7324 Bainbridge Island

(2) LOCATION OF WELL: County Kitsap NW¼ SE¼ Sec. 10 T. 25 N., R. 2 E. W.M.

Bearing and distance from section or subdivision corner 1 East 350 ft. & 5 Left

(3) PROPOSED USE: Domestic [X] Industrial [ ] Municipal [ ]
Irrigation [ ] Test Well [ ] Other [ ]

(4) TYPE OF WORK: Owner's number of well (if more than one) .....
New well [X] Method: Dug [ ] Bored [ ]
Deepened [ ] Cable [X] Driven [ ]
Reconditioned [ ] Rotary [ ] Jetted [ ]

(5) DIMENSIONS: Diameter of well 6 inches.
Drilled 302 ft. Depth of completed well 302 ft.

(6) CONSTRUCTION DETAILS:
Casing installed: 6 " Diam. from 0 ft. to 247 ft.
Threaded [ ] ..." Diam. from ..... ft. to ..... ft.
Welded [X] ..." Diam. from ..... ft. to ..... ft.

Perforations: Yes [ ] No [X]
Type of perforator used .....
SIZE of perforations ..... in. by ..... in.
..... perforations from ..... ft. to ..... ft.
..... perforations from ..... ft. to ..... ft.
..... perforations from ..... ft. to ..... ft.

Screens: Yes [X] No [ ] Johnson
Manufacturer's Name .....
Type Stainless Model No. .....
Diam. 6 Slot size 12 from 247 ft. to 302 ft.
Diam. ..... Slot size ..... from ..... ft. to ..... ft.

Gravel packed: Yes [ ] No [X] Size of gravel: .....
Gravel placed from ..... ft. to ..... ft.

Surface seal: Yes [X] No [ ] To what depth? 18 ft.
Material used in seal Bentonite
Did any strata contain unusable water? Yes [ ] No [X]
Type of water? ..... Depth of strata .....
Method of sealing strata off .....

(7) PUMP: Manufacturer's Name Ste-Rite
Type: Jet H.P. 1

(8) WATER LEVELS: Land-surface elevation above mean sea level ..... ft.
Static level 100 ft. below top of well Date 12/18/76
Artesian pressure ..... lbs. per square inch Date .....
Artesian water is controlled by ..... (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes [X] No [ ] If yes, by whom? Driller
Yield: 7 gal./min. with 135 ft. drawdown after 3 hrs.
" " " "
" " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test .....
Bailer test 7 gal./min. with 147 ft. drawdown after 2 hrs.
Artesian flow ..... g.p.m. Date .....
Temperature of water ..... Was a chemical analysis made? Yes [ ] No [X]

(10) WELL LOG:

Formation: *Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.*

MATERIAL	FROM	TO
Hardpan Brown Pebbles	0	15
Clay Blue	15	285
Clay Blue Hard	285	290
Clay Blue and gravel layers	290	298
Sand water	298	302

Work started Nov 26, 19 X Completed Dec 20, 19 76

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME CRABTREE DRILLING CO. (Person, firm, or corporation) (Type or print)

Address 33349 Eglon Rd. N.E. Kingston

[Signed] Jerry Arthur (Well Driller)

License No. 223-02 Date Dec 20, 19 76

(USE ADDITIONAL SHEETS IF NECESSARY)

S. F. No. 7356—OS—(Rev. 4-71).

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

File Original and First Copy with Department of Ecology
Second Copy—Owner's Copy
Third Copy—Driller's Copy

WATER WELL REPORT
STATE OF WASHINGTON

Start Card No. 074767
Unique # AAA431
Water Right Permit No.

(1) OWNER: Name Norman Berg Address Agate Point - Bainbridge Isl., Wa

(2) LOCATION OF WELL: County Kitsap NW¼ NE¼ Sec. 28 T. 26 N., R. 2E W.M.
SE NW

(2a) STREET ADDDRESS OF WELL (or nearest address)

(3) PROPOSED USE: [X] Domestic [ ] Industrial [ ] Municipal [ ] Irrigation [ ] Test Well [ ] Other [ ] DeWater

(4) TYPE OF WORK: Owner's number of well (if more than one) 2
Abandoned [ ] New well [X] Method: Dug [ ] Bored [ ] Deepened [ ] Cable [ ] Driven [ ] Reconditioned [ ] Rotary [X] Jetted [ ]

(5) DIMENSIONS: Diameter of well 8 inches.
Drilled 240 feet. Depth of completed well 240 ft.

(6) CONSTRUCTION DETAILS:
Casing installed: 8" Diam. from 0 ft. to 240 ft.
Welded [X] Linar installed [ ] Threaded [ ] " Diam. from ft. to ft.
" Diam. from ft. to ft.

Perforations: Yes [ ] No [X]
Type of perforator used
SIZE of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

Screens: Yes [X] No [ ]
Manufacturer's Name Johnson
Type Stainless Steel Model No.
Diam. 8" Slot size #8 from 224 ft. to 240 ft.
Diam. Slot size from ft. to ft.

Gravel packed: Yes [ ] No [X] Size of gravel
Gravel placed from ft. to ft.

Surface seal: Yes [X] No [ ] To what depth? 22 ft.
Meterial used in seal Bentonite
Did any strata contain unusable water? Yes [ ] No [X]
Type of water? Depth of strata
Method of sealing strata off

(7) PUMP: Manufacturer's Name Flint & Walling
Type: Submersible H.P. 3

(8) WATER LEVELS: Land-surface elevation above mean sea level ft.
Static level 21 ft. below top of well Date 4-23-92
Artesian pressure lbs. per square inch Date
Artesian water is controlled by (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes [ ] No [ ] If yes, by whom?
Yield: 60 gal./min. with 240 ft. drawdown after 4 hrs.
" " " "
" " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test
Bailer test gal./min. with ft drawdown after hrs.
Airtest gal./min. with stem set at ft. for hrs
Artesian flow g.p.m. Date
Temperature of water Was a chemical analysis made? Yes [X] No [ ]

(10) WELL LOG or ABANDONMENT PROCEDURE DESCRIPTION

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of information.

MATERIAL	FROM	TO
Gravelly Top Soil	0	5
Hardpan	5	15
Blue Clay - gravel	15	21
Gravelly Till	21	57
Blueclay - gravel	57	75
Blue clay	75	129
" " w/wood chips	129	131
Blue Sandy clay	131	139
Blue Clay	139	217
Sand & Water	217	240

RECEIVED
JUN 01 1992
DEPT. OF ECOLOGY

Work started 4-9, 19 92 Completed 4-19, 19 92

WELL CONSTRUCTOR CERTIFICATION:
I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

NAME Burt Well Drilling, Inc. (PERSON, FIRM, OR CORPORATION) (TYPE OR PRINT)
Address 19782 N.E. Lincoln Rd. Poulsbo, Wa
(Signed) George Burt (WELL DRILLER) License No. 0048
Contractor's Registration No. BURTWI#227BL Date 5-14, 1992

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20 (10/87) -1329-

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT
STATE OF WASHINGTON

25/2-4F; Application No.

Permit No.

(1) OWNER: Name Bill Annis Address 7480 Holly Cove Rd. B.I. 98110

(2) LOCATION OF WELL: County Kitsap SW¼ – NW¼ NE¼ Sec. 4 T. 25 N., R. 2E W.M.

Bearing and distance from section or subdivision corner

(3) PROPOSED USE: Domestic [X] Industrial [ ] Municipal [ ] Irrigation [ ] Test Well [ ] Other [ ]

(4) TYPE OF WORK: Owner's number of well (if more than one)
New well [X] Method: Dug [ ] Bored [ ]
Deepened [ ] Cable [X] Driven [ ]
Reconditioned [ ] Rotary [ ] Jetted [ ]

(5) DIMENSIONS: Diameter of well 6 inches.
Drilled 335 ft. Depth of completed well 335 ft.

(6) CONSTRUCTION DETAILS:

Casing installed: ..." Diam. from .. ft. to .. ft.
Threaded [ ] ..." Diam. from .. ft. to .. ft.
Welded [X] 6" Diam. from 0 ft. to 335 ft.

Perforations: Yes [ ] No [X]
Type of perforator used
SIZE of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

Screens: Yes [X] No [ ] Johnson
Manufacturer's Name
Type Stainless Model No.
Diam. Slot size from ft. to ft.
Diam. 6 Slot size 40 from 335 ft. to 335 ft.

Gravel packed: Yes [ ] No [X] Size of gravel:
Gravel placed from ft. to ft.

Surface seal: Yes [X] No [ ] To what depth? 20 ft.
Material used in seal Bentonite
Did any strata contain unusable water? Yes [ ] No [X]
Type of water? Depth of strata
Method of sealing strata off

(7) PUMP: Manufacturer's Name Sta-Rite
Type: Turbine H.P. ¾

(8) WATER LEVELS: Land-surface elevation above mean sea level 100 ft.
Static level 55 ft. below top of well Date 4-27-84
Artesian pressure lbs. per square inch Date
Artesian water is controlled by (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes [X] No [ ] If yes, by whom? Driller
Yield: 14 gal./min. with 28 ft. drawdown after 4 hrs.

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test
Bailer test 30 gal./min. with 55 ft. drawdown after 4 hrs.
Artesian flow g.p.m. Date
Temperature of water Was a chemical analysis made? Yes [ ] No [X]

(10) WELL LOG:

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL		FROM	TO
Sandy Bark	Brown	0	1
Clay	"	1	17
Clay	Blue	17	35
Clay - Sticky	"	35	82
Silt - Hard	"	82	106
Clay - Sticky	"	106	130
Clay	"	130	234
Sandy Silt	"	234	245
Silt	"	245	252
Silt Compacted	"	252	262
Sand - Dirty - Fine		262	270
Clay		270	285
Silt + Shale		285	300
Clay - Sticky		300	310
Sandy Silt		310	325
Sand - Fine		325	330
		330	335

RECEIVED AUG 1 1984 DEPARTMENT OF ECOLOGY NORTHWEST REGION

Work started April 3, 19 84 Completed April 27, 19 84

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME CRABTREE DRILLING CO. (Person, firm, or corporation) (Type or print)

Address 23349 EGLON RD. NE KINGSTON

[Signed] Jerry Crabtree (Well Driller)

License No. 82 Date April 29, 19 84

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

WASHINGTON STATE DEPARTMENT OF ECOLOGY

UNIQUE WELL I.D. NUMBER AAA198 (X Y Z 1 2 3)

WELL TAGGING FORM

Date of Field Visit 5/4/92 By BA - PUD #1

RECORD VERIFICATION

- [x] Well Report available *(please attach)*
- [ ] Well Report not available
- [ ] Verification inconclusive

WELL OWNERSHIP

Name Bill Norris

Street address 7480 NE Hidden Cove Rd

City Bainbridge Is State WA 98110

LOCATION OF WELL

Well Address 7480 NE Hidden Cove Rd

City Bainbridge Is County Kitsap

T. 25 N. R. 02E W M Sec. 4B ¼ NW ¼ NE

GPS Location: Latitude 47 ° 41 ' 48N "

Longitude 122 ° 32 ' 97W "

Elevation 82' (feet) meters *(circle one)*

- [x] Digital Altimeter
- [ ] Topographic Map
- [ ] Other

PDOP 2.6

If unable to verify location with GPS equipment:

- [ ] Location marked on topographic map *(please attach if available)*
- [ ] Location marked on air photo *(please attach if available)*

16 18 19
4 7 9

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

AAA198

WELL CHARACTERISTICS

Physical Description of Well (size of casing, type of well, housing, etc.): drilled well with 6" casing housed in large 'dog house' structure

Location of Well Identification Tag: on casing 3" from top

Was Supplemental Tag needed for ease of identifying well?
☒ NO ☐ YES

Scale 1:24,000 (1"=2,000')

D	C	B	A
E	F	G	H
M	L	K	J
N	P	Q	R

SECTION 4B

Indicate the location of the well within the Section by drawing a dot at that point.

COMMENTS:

FOR ECOLOGY USE ONLY

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

Original and First Copy with
Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT
STATE OF WASHINGTON AAA198

Application No
Permit No

(1) OWNER Name [illegible] Address [illegible]

LOCATION OF WELL: County [illegible] NW¼ - NW¼ NW¼ Sec 25 T 25 N R 2 E WM
Give and distance from section or subdivision corner

(3) PROPOSED USE: Domestic ☒ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

(4) TYPE OF WORK: Owner's number of well (if more than one)
New well ☒ Method: Dug ☐ Bored ☐
Deepened ☐ Cable ☒ Driven ☐
Reconditioned ☐ Rotary ☐ Jetted ☐

(5) DIMENSIONS: Diameter of well 6 inches
Drilled 335 ft Depth of completed well 335 ft

(6) CONSTRUCTION DETAILS

Casing installed: " Diam from ft to ft
Threaded ☐ " Diam from ft to ft
Welded ☒ 6 " Diam from 0 ft to 327 ft

Perforations Yes ☐ No ☒
Type of perforator used
SIZE of perforations in by in
perforations from ft to ft
perforations from ft to ft
perforations from ft to ft

Screens: Yes ☒ No ☐
Manufacturer's Name [illegible]
Type [illegible] Model No
Diam Slot size from ft to ft
Diam Slot size from 310 ft to 325 ft

Gravel packed Yes ☐ No ☒ Size of gravel
Gravel placed from ft to ft

Surface seal: Yes ☒ No ☐ To what depth? 18 ft
Material used in seal [illegible]
Did any strata contain unusable water? Yes ☐ No ☒
Type of water? Depth of strata
Method of sealing strata off

(7) PUMP: Manufacturer's Name [illegible]
Type [illegible] H.P. [illegible]

(8) WATER LEVELS: Land-surface elevation above mean sea level 160 ft
Static level 55 ft below top of well Date 4-22-84
Artesian pressure lbs per square inch Date
Artesian water is controlled by (Cap, valve, etc)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☐ No ☐ If yes by whom? [illegible]
Yield gal/min with ft drawdown after hrs
[illegible]

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test
Bailer test gal/min with ft drawdown after hrs
Airlift gal/min with ft drawdown after hrs
Temperature of water Was a chemical analysis made? Yes ☐ No ☐

(10) WELL LOG

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation

MATERIAL		FROM	TO
[illegible]		0	1
Clay		1	17
Clay	Blue	17	35
Clay - Stiff		35	82
Silt - Hard		82	106
Clay - Stiff		106	130
Clay		130	204
Sand - Fine		204	207
Silt		207	252
Silt - Sandy		252	262
Sand - Silty - Fine		262	270
Clay		270	285
Silt - Sandy		285	290
Clay - Silty		290	310
Clay - Sandy		310	322
Sand - Fine		322	327

RECEIVED
AUG 1 1984
DEPARTMENT OF ECOLOGY
NORTHWEST REGION

Work started 4-23 19 84 Completed 4-27 19 84

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief

NAME [illegible] DRILLING CO
(Person, firm or corporation) (Type or print)

Address [illegible]

[Signed] [illegible]
(Well Driller)

License No Date 7-30 19 84

(USE ADDITIONAL SHEETS IF NECESSARY)

KITSAP COUNTY PUD #1
PRIVATE WELL/CONSERVATION PROGRAM

map 2/45

LAB NO. _____

ACCOUNT NO. _____ DIV. _____

CUSTOMER NAME (PLEASE PRINT) Bill (FIRST) Norris (LAST)

ADDRESS WHERE SHOWERHEAD INSTALLED:

STREET 7480 NE Hidden Cove Rd UNIT # _____

CITY Bainbridge IS STATE WA ZIP 98110

CUSTOMER'S SIGNATURE X Wanda M. Norris DATE 5/4/92

QUANTITY	BRAND	PROGRAM/DELIVERY METHOD
1	Ondine Showerhead	(4) Business Office
1	Kitchen Aerator	(1) Single Family
2	Bath Aerator	BA (4) Contractor Installed

PUD ACCT # 000518 WELL ID # AAA198 LOCAL # 25N/02E-04B

82' altim
ELEVATION 70' topo LATITUDE/LONGITUDE 47° 41.48N / 122° 32.97W

POOP 2.6
16 18 19
4 79

USE(D) _____ DRILLED(W) _____ SPRING(S) _____

ORIGINAL OWNER Norris DRILLER Crabtree

YEAR DRILLED 1984 WELL DEPTH 335

PHONE # 842-3838 TIME BEGAN 11:26 TIME COMPLETED 12:17

DESCRIPTION OF MEASURING PT. (MP) top of 'T' on casing vent

HEIGHT OF MP ABOVE/BELOW LAND SURFACE 2.50' BacT A

DEPTH TO WATER BELOW MP 58.70' DEPTH TO WATER BELOW LS 56.20'

TEMPERATURE 54.1 SPECIFIC CONDUCTIVITY 202 ph 8.73

Nitrate mg/L 0.7 Fe mg/L 0.14 Mn mg/L 0.050

COLOR clear ODOR none APPEARANCE normal

SAMPLING POINT DESCRIPTION outside hose b/b Between Mail Box and Garage

REMARKS

BA*

SAMPLING PERSONNEL Ok to monitor anytime ... OK 5/4

REPLACEMENT BAG INSTALLED YES NO

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

ENTERED

WATER WELL REPORT

STATE OF WASHINGTON

Start Card No. W077971
Unique Well I.D. # ACW040
Water Right Permit No.

(1) OWNER: Name NELSON, BRIAN Address 9136 SPEAR PLACE S. SEATTLE, WA 98118-

(2) LOCATION OF WELL: County KITSAP - NE 1/4 NE 1/4 Sec 28 T 26 N., R 2E WM
(2a) STREET ADDRESS OF WELL (or nearest address) NX2 17140 KINNEAR RD NE, BAINBRIDGE IS. 26-2E-28A

(3) PROPOSED USE: DOMESTIC

(4) TYPE OF WORK: Owner's Number of well (If more than one)
NEW WELL Method: ROTARY

(5) DIMENSIONS: Diameter of well 6 inches
Drilled 450 ft. Depth of completed well 449.5 ft.

(6) CONSTRUCTION DETAILS:
Casing installed: 6 " Dia. from 0 ft. to 445 ft.
WELDED " Dia. from ft. to ft.
" Dia. from ft. to ft.

Perforations: NO
Type of perforator used
SIZE of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

Screens: YES
Manufacturer's Name JOHNSON
Type STAINLESS Model No.
Diam. 5 slot size 12 from 444.5 ft. to 449.5 ft.
Diam. slot size from ft. to ft.

Gravel packed: NO Size of gravel
Gravel placed from ft. to ft.

Surface seal: YES To what depth? 19 ft.
Material used in seal BENTONITE
Did any strata contain unusable water? NO
Type of water? Depth of strata ft.
Method of sealing strata off

(7) PUMP: Manufacturer's Name
Type SUBMERSIBLE H.P.

(8) WATER LEVELS: Land-surface elevation above mean sea level ... ft.
Static level 66 ft. below top of well Date 01/18/99
Artesian Pressure lbs. per square inch Date
Artesian water controlled by

(9) WELL TESTS: Drawdown is amount water level is lowered below static level.
Was a pump test made? NO If yes, by whom?
Yield: gal./min with ft. drawdown after hrs.

Recovery data

Time	Water Level	Time	Water Level	Time	Water Level

Date of test / /
Bailer test gal/min. ft. drawdown after hrs.
Air test 20+ gal/min. w/ stem set at 445 ft. for .33 hrs.
Artesian flow g.p.m. Date
Temperature of water Was a chemical analysis made? NO

(10) WELL LOG

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change in formation.

MATERIAL	FROM	TO
BROWN CLAY SOME GRAVEL	0	6
BROWN SANDY CLAY	6	30
BROWN FINE SILTY SAND	30	71
GREY CLAY	71	250
GREY SILT	250	370
GREY SILT WATER	370	390
GREY CLAY	390	440
GREY SAND & WATER	440	450
GREY CLAY & SHALE	450	

RECEIVED
DEC 7 1999
NWRO-WR
DEPT OF ECOLOGY

Work started 01/06/99 Completed 01/18/99

WELL CONSTRUCTOR CERTIFICATION:
I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

NAME DUCKWORTH PUMP & DRILLING
(Person, firm, or corporation) (Type or print)

ADDRESS 18365 DIAMOND DRIVE NE

[SIGNED] Donald D. Duckworth Telephone 206 842 1148 1147

Contractor's
Registration No. DUCKWPW148CJ Date 01/31/99

25/02-10E

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy -- Driller's Copy

WATER WELL REPORT

STATE OF WASHINGTON

Application No.

Permit No. 98110

(1) OWNER: Name Nancy Franken Address 12435 Miller Rd, Bainbridge Island

(2) LOCATION OF WELL: County Kitsap SW ¼ NW ¼ Sec. 10 T 25 N., R 2E W.M.

Bearing and distance from section or subdivision corner

(3) PROPOSED USE: Domestic [X] Industrial [ ] Municipal [ ]
Irrigation [ ] Test Well [ ] Other [ ]

(4) TYPE OF WORK: Owner's number of well (if more than one)
New well [X] Method: Dug [ ] Bored [ ]
Deepened [ ] Cable [X] Driven [ ]
Reconditioned [ ] Rotary [ ] Jetted [ ]

(5) DIMENSIONS: Diameter of well 6 inches.
Drilled 99 ft. Depth of completed well 99 ft.

(6) CONSTRUCTION DETAILS:

Casing installed: ..." Diam. from ... ft. to ... ft.
Threaded [ ] ..." Diam. from ... ft. to ... ft.
Welded [X] 6" Diam. from 0 ft. to 94 ft.

Perforations: Yes [ ] No [X]
Type of perforator used
SIZE of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

Screens: Yes [X] No [ ] Johnson
Manufacturer's Name
Type Stainless Model No.
Diam. Slot size from ft. to ft.
Diam 6 Slot size 12 from 94 ft. to 99 ft.

Gravel packed: Yes [ ] No [X] Size of gravel
Gravel placed from ft. to ft.

Surface seal: Yes [X] No [ ] To what depth? 20 ft.
Material used in seal Bentonite
Did any strata contain unusable water? Yes [ ] No [X]
Type of water? Depth of strata
Method of sealing strata off

(7) PUMP: Manufacturer's Name Ita-Bite
Type: Jet H.P. ½

(8) WATER LEVELS: Land-surface elevation above mean sea level 160 ft.
Static level 14 ft. below top of well Date 4-7-87
Artesian pressure lbs. per square inch Date
Artesian water is controlled by (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes [X] No [ ] If yes, by whom? Driller
Yield: 15 gal./min. with 9 ft. drawdown after 4 hrs.

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test
Bailer test 15 gal./min. with 8 ft. drawdown after 3 hrs.
Artesian flow g.p.m. Date
Temperature of water Was a chemical analysis made? Yes [ ] No [X]

(10) WELL LOG:

Formation: *Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.*

MATERIAL		FROM	TO
Top soil	Brown	0	2
Gravel	"	2	6
Hardpan	"	6	9
Hard pan	"	9	12
Hard pan	Grey	12	58
Sand & Gravel - Dirty	"	58	59
Clay	Blue	59	61
Sand & Gravel - Cemented	Grey	61	88
Sand & Gravel	"	88	99

RECEIVED
APR 27 1987
DEPT. OF ECOLOGY

Work started March 26, 1987 Completed April 7, 1987

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME CRABTREE DRILLING Co.
(Person, firm, or corporation) (Type or print)

Address 33349 EGLON RD. NE. KINGSTON

[Signed] Jerry Crabtree
(Well Driller)

License No. 82 Date April 13, 1987

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

25/01/09 G

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT
STATE OF WASHINGTON

Application No
Permit No

(1) **OWNER:** Name North Bainbridge Water Co. Address P.O. Box 4766 Rolling Bay 98061

(2) **LOCATION OF WELL:** County Kitsap — SW¼ NE¼ Sec 9 T. 25 N., R. 2E W.M.

Bearing and distance from section or subdivision corner NB#1

(3) **PROPOSED USE:** Domestic ☒ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

(4) **TYPE OF WORK:** Owner's number of well (if more than one) #3
New well ☒ Method: Dug ☐ Bored ☐
Deepened ☐ Cable ☒ Driven ☐
Reconditioned ☐ Rotary ☐ Jetted ☐

(5) **DIMENSIONS:** Diameter of well 8 inches.
Drilled 105 ft. Depth of completed well 105 ft.

(6) **CONSTRUCTION DETAILS:**

Casing installed: 8 " Diam. from 0 ft. to 105 ft.
Threaded ☐ " Diam. from ft. to ft.
Welded ☒ " Diam. from ft. to ft.

Perforations: Yes ☐ No ☒
Type of perforator used
SIZE of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

Screens: Yes ☒ No ☐
Manufacturer's Name Johnson
Type Stainless steel Model No
Diam. 8 Slot size 25 from 97 ft. to 105 ft.
Diam. Slot size from ft. to ft.

Gravel packed: Yes ☐ No ☒ Size of gravel:
Gravel placed from ft. to ft.

Surface seal: Yes ☒ No ☐ To what depth? 20 ft.
Material used in seal bentonite
Did any strata contain unusable water? Yes ☐ No ☒
Type of water? Depth of strata
Method of sealing strata off

(7) **PUMP:** Manufacturer's Name None
Type: H.P.

(8) **WATER LEVELS:** Land-surface elevation above mean sea level 420 ft.
Static level 22.4" ft. below top of well Date 2/17/86
Artesian pressure lbs. per square inch Date
Artesian water is controlled by (Cap, valve, etc.)

(9) **WELL TESTS:** Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☒ No ☐ If yes, by whom? Driller
Yield: 167 gal./min. with 37.5" ft. drawdown after 4 hrs.
" " " "
" " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test
Bailer test 60 gal./min. with 13.8" ft. drawdown after 2 hrs.
Artesian flow g.p.m. Date
Temperature of water 50 Was a chemical analysis made? Yes ☐ No ☒

(10) **WELL LOG:**

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL	FROM	TO
Overburden	0	2
Brown gravelly hardpan	2	15
Green gravelly hardpan	15	18
Brown gravelly hardpan	18	33
Sand & gravel - H20	33	41
Brown cemented gravel	41	46
Blue clay	46	60
Sand & gravel - H20	60	62
Hard packed gravel	62	62.5
Sand & gravel - H20	62.5	70
Hard packed sand & gravel	70	72
Sand & gravel - H20	72	92
Blue clay	92	97
Sand & gravel - H20	97	105

(old #3 was abandoned)

RECEIVED
MAR 17
DEPARTMENT OF ECOLOGY
NORTHWEST SECTION

Work started 2/7 19 86 Completed 2/24 19 86

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME Gresham Well Drilling (Person, firm, or corporation) (Type or print)
Address 3105 N.W. Lakeness Rd. Poulsbo 98370
[Signed] (Well Driller)
License No. 0761 Date 3/7 19 86

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

Bruner, Marian (ECY)

From: Marty Sebren [marty@kpud.org]
Sent: Friday, February 26, 2010 12:55 PM
To: Bruner, Marian (ECY)
Subject: RE: Well Logs contact

Marian,
Here are some additional corrections, and I'm sure there will be others.
Martin

well_log_id	well_tag_nr
291718	AAB455
291719	AAB455
68860	AAC832
68861	AEK853
68862	AAC826
68863	AEK854
68864	AEK852
117239	AAB455
291720	AAB455
70177	AEK855
61871	AAA113

From: Bruner, Marian (ECY) [mailto:mbru461@ECY.WA.GOV]
Sent: Wednesday, February 24, 2010 8:20 AM
To: Marty Sebren
Subject: RE: Well Logs contact

Thank you very much! Those changes will be made.

Marian

From: Marty Sebren [mailto:marty@kpud.org]
Sent: Tuesday, February 23, 2010 3:05 PM
To: Bruner, Marian (ECY)
Subject: Well Logs contact

To Whom It May Concern:

In the table below I have associated **well_log_id** with **well_tag_nr** for a number of older Kitsap PUD well logs where your system currently lacks the well_tag_nr. Please update your system with the **well_tag_nr** provided here.

well_log_id	well_tag_nr	well_depth_qt	well_diameter_qt	well_owner_nm
66900	AAA106	212	12	KITSAP COUNTY PUD
66901	AAC799	364	12	KITSAP COUNTY PUD #1
66902	AAA111	1030	6	KITSAP COUNTY PUD #1
66903	AAA110	402	8	KITSAP COUNTY PUD #1
66904	AAA012	805	10	KITSAP COUNTY PUD #1
66905	AAA014	338	12	KITSAP COUNTY PUD NO. 1
66910	AAC340	1070	6	KITSAP PUD #1

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

25/02-09K

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT
STATE OF WASHINGTON

Application No. .....
Permit No. .....

(1) OWNER: Name Bob Rodal Address .....

(2) LOCATION OF WELL: County Kitsap — NW ¼ SE ¼ Sec. 9 T. 25 N., R. 2 E W.M.
Bearing and distance from section or subdivision corner WELL 4 25/2E-9Ka

(3) PROPOSED USE: Domestic ☐ Industrial ☐ Municipal ☐ Irrigation ☐ Test Well ☐ Other ☐

(4) TYPE OF WORK: Owner's number of well (if more than one) #6
New well ☒ Method: Dug ☐ Bored ☐ Deepened ☐ Cable ☒ Driven ☐ Reconditioned ☐ Rotary ☐ Jetted ☐

(5) DIMENSIONS: Diameter of well 8 inches. Drilled 200 ft. Depth of completed well 118 ft.

(6) CONSTRUCTION DETAILS:
Casing installed: 8 " Diam. from 0 ft. to 118 ft.
Threaded ☐ " Diam. from ft. to ft.
Welded ☐ " Diam. from ft. to ft.

Perforations: Yes ☐ No ☒
Type of perforator used
SIZE of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

Screens: Yes ☒ No ☐
Manufacturer's Name Johnson
Type Stainless Steel Model No
Diam. 8" Slot size #20 from 103 ft. to 118 ft.
Diam. Slot size from ft. to ft.

Gravel packed: Yes ☐ No ☒ Size of gravel:
Gravel placed from ft. to ft.

Surface seal: Yes ☒ No ☐ To what depth? 22 ft.
Material used in seal Bentonite
Did any strata contain unusable water? Yes ☐ No ☐
Type of water? Depth of strata
Method of sealing strata off

(7) PUMP: Manufacturer's Name
Type: H.P.

(8) WATER LEVELS: Land-surface elevation above mean sea level ~106 ft.
Static level 22.1 ft. below top of well Date 8-15-79
Artesian pressure — lbs. per square inch Date —
Artesian water is controlled by (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☒ No ☐ If yes, by whom? BURT WELL
Yield: 100 gal./min. with 25 ft. drawdown after 4 hrs.

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level
SEE A.P.I. DATA					

Date of test 8/15/79
Bailer test — gal./min. with — ft. drawdown after — hrs.
Artesian flow — g.p.m. Date —
Temperature of water — Was a chemical analysis made? Yes ☒ No ☐

(10) WELL LOG:
Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL	FROM	TO
Gravel with Water	0	69
Blue Hardpan	69	107
Gravel and Water	107	117
Blue Clay	117	200

RECEIVED
NOV 8 1979
DEPARTMENT OF ECOLOGY
SOUTHWEST REGIONAL OFFICE

RECEIVED
NOV 13 1979
DEPT. OF ECOLOGY

Work started 8-1 1979 Completed 8-9 1979

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME Burt Well Drilling, Inc. (Person, firm, or corporation) (Type or print)
Address Route 1, Box 283 Poulsbo, WA 98370
[Signed] George D Burt (Well Driller)
License No. 0048 Date 9-28, 1979

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

Bruner, Marian (ECY)

From: Marty Sebren [marty@kpud.org]
Sent: Friday, February 26, 2010 12:55 PM
To: Bruner, Marian (ECY)
Subject: RE: Well Logs contact

Marian,
Here are some additional corrections; and I'm sure there will be others.
Martin

well_log_id	well_tag_nr
291718	AAB455
291719	AAB455
68860	AAC832
68861	AEK853
68862	AAC826
68863	AEK854
68864	AEK852
117239	AAB455
291720	AAB455
70177	AEK855
61871	AAA113

From: Bruner, Marian (ECY) [mailto:mbru461@ECY.WA.GOV]
Sent: Wednesday, February 24, 2010 8:20 AM
To: Marty Sebren
Subject: RE: Well Logs contact

Thank you very much! Those changes will be made.

Marian

From: Marty Sebren [mailto:marty@kpud.org]
Sent: Tuesday, February 23, 2010 3:05 PM
To: Bruner, Marian (ECY)
Subject: Well Logs contact

To Whom It May Concern:

In the table below I have associated **well_log_id** with **well_tag_nr** for a number of older Kitsap PUD well logs where your system currently lacks the well_tag_nr. Please update your system with the **well_tag_nr** provided here.

well_log_id	well_tag_nr	well_depth_qt	well_diameter_qt	well_owner_nm
66900	AAA106	212	12	KITSAP COUNTY PUD
66901	AAC799	364	12	KITSAP COUNTY PUD #1
66902	AAA111	1030	6	KITSAP COUNTY PUD #1
66903	AAA110	402	8	KITSAP COUNTY PUD #1
66904	AAA012	805	10	KITSAP COUNTY PUD #1
66905	AAA014	338	12	KITSAP COUNTY PUD NO. 1
66910	AAC340	1070	6	KITSAP PUD #1

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

25/2 - 9/Q

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT
STATE OF WASHINGTON

Application No.
Permit No. 61-24155

(1) OWNER: Name North Bainbridge Water Co. Address P.O. Box 4766 Rolling Bay, Wa. 98061

(2) LOCATION OF WELL: County Kitsap SW ¼ SE ¼ Sec. 9 T 25 N., R. 2E W.M.

Bearing and distance from section or subdivision corner

(3) PROPOSED USE: Domestic XX Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

(4) TYPE OF WORK: Owner's number of well (if more than one) #7
New well XX Method: Dug ☐ Bored ☐
Deepened ☐ Cable XX Driven ☐
Reconditioned ☐ Rotary ☐ Jetted ☐

(5) DIMENSIONS: Diameter of well 8 inches.
Drilled 149 ft. Depth of completed well 149 ft.

(6) CONSTRUCTION DETAILS:

Casing installed: 8 " Diam. from 0 ft. to 149 ft
Threaded ☐ " Diam. from ft. to ft.
Welded XX " Diam. from ft. to ft.

Perforations: Yes ☐ No XX
Type of perforator used
SIZE of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

Screens: Yes XX No ☐
Manufacturer's Name Johnson
Type stainless steel Model No.
Diam. 8 Slot size 60 from 134 ft. to 149 ft.
Diam. Slot size from ft. to ft.

Gravel packed: Yes ☐ No XX Size of gravel.
Gravel placed from ft. to ft.

Surface seal: Yes XX No ☐ To what depth? 20 ft.
Material used in seal Bentonite
Did any strata contain unusable water? Yes ☐ No XX
Type of water? Depth of strata
Method of sealing strata off

(7) PUMP: Manufacturer's Name None
Type: H.P.

(8) WATER LEVELS: Land-surface elevation above mean sea level 320 ft.
Static level 62 ft. below top of well Date 11-4-82
Artesian pressure lbs. per square inch Date
Artesian water is controlled by (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes XX No ☐ If yes, by whom? Driller
Yield: 349 gal./min. with 66 ft. drawdown after 10 hrs.
" " " "
" " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test
Bailer test gal./min. with ft. drawdown after hrs.
Artesian flow g.p.m. Date
Temperature of water 50 Was a chemical analysis made? Yes XX No ☐

(10) WELL LOG:

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL	FROM	TO
Brown gravelly clay	0	2
Blue clay	2	16
Brown gravelly hard pan	16	51
Sand & gravel h20	51	53
Brown gravelly hard pan	53	59
Sand & brown gravel H20	59	64
Blue clay	64	66
Blue sand & gravel H20	66	71
Brown clay	71.	71.6
Brown sand & gravel H20	71.6	97
Blue clay	97	105
Blue sand & gravel H20	105	112
Blue clay	112	116
Blue sand & gravel	116	133
Blue clay	133	133.6
Blue sand & gravel	133.6	149.0

Work started 7-29 19 82 Completed 11-4 19 82

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME Gresham Well Drilling (Person, firm, or corporation) (Type or print)
Address 3105 NW Lakeness Rd. Poulsbo 98370

[Signed] Orin A. Gresham (Well Driller)

License No. 0761 Date Feb. 2 19 83

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050 1-20

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT
STATE OF WASHINGTON

Application No. G1-24155C
Permit No. 200 Qi 80 Qa

(1) **OWNER:** Name North Bainbridge [illegible] Co. Address [illegible]

(2) **LOCATION OF WELL:** County Kitsap NW ¼ of NW ¼ Sec. 1 T. 25 N. R. 2E W.M.
Bearing and distance from section or subdivision corner N

(3) **PROPOSED USE:** Domestic ☒ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

(4) **TYPE OF WORK:** Owner's number of well (if more than one) NB # 7
New well ☒ Method: Dug ☐ Bored ☐
Deepened ☐ Cable ☒ Driven ☐
Reconditioned ☐ Rotary ☐ Jetted ☐

(5) **DIMENSIONS:** Diameter of well 8 inches.
Drilled 149 ft. Depth of completed well 149 ft.

(6) **CONSTRUCTION DETAILS:**
Casing installed: 8 " Diam. from 0 ft. to 140 ft.
Threaded ☐ " Diam. from ft. to ft.
Welded ☐ " Diam. from ft. to ft.

Perforations: Yes ☐ No ☒
Type of perforator used
SIZE of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

Screens: Yes ☒ No ☐
Manufacturer's Name Johnson
Type stainless steel Model No.
Diam. 8 Slot size 60 from 140 ft. to 149 ft.
Diam. Slot size from ft. to ft.

Gravel packed: Yes ☐ No ☐ Size of gravel:
Gravel placed from ft. to ft.

Surface seal: Yes ☒ No ☐ To what depth? 20 ft.
Material used in seal Bentonite
Did any strata contain unusable water? Yes ☐ No ☐
Type of water? Depth of strata
Method of sealing strata off

(7) **PUMP:** Manufacturer's Name None
Type: H.P.

(8) **WATER LEVELS:** Land-surface elevation above mean sea level 125 LIDAR
Static level 62 ft. below top of well Date 11-4-92
Artesian pressure lbs. per square inch Date
Artesian water is controlled by (Cap, valve, etc.)

(9) **WELL TESTS:** Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☒ No ☐ If yes, by whom? Driller
Yield: 7-9 gal./min. with 56 ft. drawdown after 10 hrs.
" " " "
" " ESSENCIALLY AT TOP OF SCREEN "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level
		Q/S = 349 / 5.3 = 66			

Date of test
Bailer test gal./min. with ft. drawdown after hrs.
Artesian flow g.p.m. Date
Temperature of water 50 Was a chemical analysis made? Yes ☒ No ☐

(10) **WELL LOG:** 25/2E-96

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL	FROM	TO
Brown gravelly clay	0	2
Blue clay	2	16
Brown gravelly hard pan	16	51
Sand & gravel water	51	53
Brown gravelly hard pan	53	59
Sand & brown gravel water	59	64
Blue clay	64	66
Blue sand & gravel	66	71
Brown clay	71	71.5
Brown sand & gravel	71.5	77
Blue clay	77	111
Blue sand & gravel	111	113
Blue clay	113	117
Blue sand & gravel	117	119
Blue clay	119	133
Blue sand & gravel	133	149
KPUD NORTH BAINBRIDGE WELL 7		

133	133	125	125
-134	149	-134	+149
-1	-16	-9	+24

Work started 7-29 19 92 Completed 11-4 19 92

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME Goodhue well drilling
(Person, firm, or corporation) (Type or print)

Address 3105 W Lakeside Rd. Poulsbo 98370

[Signed] Craig A Goodhue
(Well Driller)

License No. 0761 Date Feb. 3 19 93

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20

AEK852

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

KPUD No, BAINBRIDGE WELL 7

Parcel ID # 092502102420006

UNIQUE WELL I.D. NUMBER AEK852 (X Y Z 1 2 3)

WASHINGTON STATE DEPARTMENT OF ECOLOGY

ENTERED ENS 5/3/02

WELL TAGGING FORM

Date of Field Visit 4/30/02 By MRS, KPUD

ADDITIONAL WELL IDENTIFIERS

Department of Health System ID Number 599949 Source Number SO 5

USGS Site Identification 474002122325001 ✓ Well # 7

RECORD VERIFICATION

☑ Well Report available *(please attach)*
☐ Well Report not available
☐ Verification inconclusive

WELL OWNERSHIP, IF DIFFERENT FROM WELL REPORT

Name KPUD #1 (NBWC # 7)

Street address PO Box 1989

City Poulsbo State WA 98370

LOCATION OF WELL, IF DIFFERENT FROM WELL REPORT

Well Address

City BAINBRIDGE County KITSAP

T. 25 N. R. 2 E W.M. Sec. 9 G SW ¼ of the NE ¼

Latitude 47 ° 40 ' ~~21~~ 21.00 "
Longitude 122 ° 32 ' ~~53~~ 58.39 "

☒ GPS (raw data)
☐ GPS (corrected)
☐ Topographic Map
☐ Survey
☐ Computer generated
☐ Other GOOGLE EARTH 8/16/11

Elevation at land surface ~~+33~~ 125 feet/meters *(circle one)*

☑ Digital Altimeter
☐ Topographic Map
☐ Other LIDAR

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

25/02-11E

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT
STATE OF WASHINGTON

Application No.
Permit No.

(1) OWNER: Name North Bainbridge Water Co. Address P.O. Box 4766 Rolling Bay 98061

(2) LOCATION OF WELL: County Kitsap — SW ¼ NW ¼ Sec. 11 T25 N., R2E W.M.

Bearing and distance from section or subdivision corner

(3) PROPOSED USE: Domestic ☐ Industrial ☐ Municipal ☒
Irrigation ☐ Test Well ☐ Other ☐

(4) TYPE OF WORK: Owner's number of well (if more than one)
New well ☒ Method: Dug ☐ Bored ☐
Deepened ☐ Cable ☒ Driven ☐
Reconditioned ☐ Rotary ☐ Jetted ☐

(5) DIMENSIONS: Diameter of well 8 inches.
Drilled 203 ft. Depth of completed well 203 ft.

(6) CONSTRUCTION DETAILS:

Casing installed: 8 " Diam. from 0 ft. to 178 ft.
Threaded ☐ " Diam. from ft. to ft.
Welded ☒ " Diam. from ft. to ft.

Perforations: Yes ☐ No ☒
Type of perforator used
SIZE of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

Screens: Yes ☒ No ☐
Manufacturer's Name Johnson
Type stainless steel Model No.
Diam. 8 Slot size 14 from 180 ft. to 190 ft.
Diam. 8 Slot size 12 from 190 ft. to 200 ft.

Gravel packed: Yes ☐ No ☒ Size of gravel:
Gravel placed from ft. to ft.

Surface seal: Yes ☒ No ☐ To what depth? 20 ft.
Material used in seal Bentonite
Did any strata contain unusable water? Yes ☐ No ☒
Type of water? Depth of strata
Method of sealing strata off

(7) PUMP: Manufacturer's Name None at time
Type: H.P.

(8) WATER LEVELS: Land-surface elevation above mean sea level 380 ft.
Static level 140 ft. below top of well Date 2/22/85
Artesian pressure lbs. per square inch Date
Artesian water is controlled by (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☒ No ☐ If yes, by whom? Driller
Yield: 110 gal/min. with 44 ft. drawdown after 4 hrs.
" " " "
" " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test
Bailer test 40 gal./min. with 5 ft. drawdown after 2 hrs.
Artesian flow g.p.m. Date
Temperature of water 50 Was a chemical analysis made? Yes ☒ No ☐

(10) WELL LOG:

Formation: *Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.*

MATERIAL	FROM	TO
Overburden	0	2
Brown clay	2	19
Brown sandy clay	19	56
Blue clay	56	92
Blue silty clay - H2O	92	101
Blue gravelly clay	101	107
Blue gravelly till "sepage"	107	133
Blue gravelly clay	133	143
Blue/brown sand gravel till	143	148
Brown gravel sand w/binder	148	162
Brown clay	162	179
Blue sand - H2O	179	192
Tight sand - H2O	192	205

Work started 2/15 19 85 Completed 2/22 19 85

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME GRESHAM WELL DRILLING (Person, firm, or corporation) (Type or print)
Address 3105 N.W. LAKENESS RD. POULSBO
[Signed] Reid L. Gresham (Well Driller)
License No. 0761 Date 3/8 19 85

(USE ADDITIONAL SHEETS IF NECESSARY)

EGY 050 1-20

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

Bruner, Marian (ECY)

From: Marty Sebren [marty@kpud.org]
Sent: Friday, February 26, 2010 12:55 PM
To: Bruner, Marian (ECY)
Subject: RE: Well Logs contact

Marian,
Here are some additional corrections; and I'm sure there will be others.
Martin

well_log_id	well_tag_nr
291718	AAB455
291719	AAB455
68860	AAC832
68861	AEK853
68862	AAC826
68863	AEK854
68864	AEK852
117239	AAB455
291720	AAB455
70177	AEK855
61871	AAA113

From: Bruner, Marian (ECY) [mailto:mbru461@ECY.WA.GOV]
Sent: Wednesday, February 24, 2010 8:20 AM
To: Marty Sebren
Subject: RE: Well Logs contact

Thank you very much! Those changes will be made.

Marian

From: Marty Sebren [mailto:marty@kpud.org]
Sent: Tuesday, February 23, 2010 3:05 PM
To: Bruner, Marian (ECY)
Subject: Well Logs contact

To Whom It May Concern:

In the table below I have associated **well_log_id** with **well_tag_nr** for a number of older Kitsap PUD well logs where your system currently lacks the well_tag_nr. Please update your system with the **well_tag_nr** provided here.

well_log_id	well_tag_nr	well_depth_qt	well_diameter_qt	well_owner_nm
66900	AAA106	212	12	KITSAP COUNTY PUD
66901	AAC799	364	12	KITSAP COUNTY PUD #1
66902	AAA111	1030	6	KITSAP COUNTY PUD #1
66903	AAA110	402	8	KITSAP COUNTY PUD #1
66904	AAA012	805	10	KITSAP COUNTY PUD #1
66905	AAA014	338	12	KITSAP COUNTY PUD NO. 1
66910	AAC340	1070	6	KITSAP PUD #1

File Original and First Copy with Department of Ecology
Second Copy—Owner's Copy
Third Copy—Driller's Copy

WATER WELL REPORT

STATE OF WASHINGTON

Start Card No 074819

Water Right Permit No. _____

(1) OWNER: Name North Bainbridge Water Co. Address P.O. Box 4376 Rolling Bay, Wa. 98061

(2) LOCATION OF WELL: County Kitsap SW ¼ NE ¼ Sec. 9 T 25 N., R 2E W.M.

(2a) STREET ADDDRESS OF WELL (or nearest address) Miller Bay Rd. Bainbridge Isl., Wa. 98110

(3) PROPOSED USE: ☐ Domestic ☐ Irrigation ☐ DeWater Industrial ☐ Test Well ☐ Municipal ☒ Other ☐

(4) TYPE OF WORK: Owner's number of well (if more than one) _____
Abandoned ☐ New well ☒ Deepened ☐ Reconditioned ☐ Method: Dug ☐ Cable ☒ Rotary ☐ Bored ☐ Driven ☐ Jetted ☐

(5) DIMENSIONS: Diameter of well 20" x 16" x 12" x 8" inches.
Drilled _____ feet. Depth of completed well _____ ft.

(6) CONSTRUCTION DETAILS: See ATTACHED
Casing installed: _____ " Diam. from _____ ft. to _____ ft.
Welded ☒ Liner installed ☐ Threaded ☐ _____ " Diam. from _____ ft. to _____ ft.
_____ " Diam. from _____ ft. to _____ ft.

Perforations: Yes ☐ No ☒
Type of perforator used _____
SIZE of perforations _____ in. by _____ in.
_____ perforations from _____ ft. to _____ ft.
_____ perforations from _____ ft. to _____ ft.
_____ perforations from _____ ft. to _____ ft.

Screens: Yes ☒ No ☐
Manufacturer's Name Johnson
Type Stainless Steel Model No. _____
Diam. See Slot size Attached ft. to _____ ft.
Diam. _____ Slot size _____ from _____ ft. to _____ ft.

Gravel packed: Yes ☐ No ☐ Size of gravel _____
Gravel placed from _____ ft. to _____ ft.

Surface seal: Yes ☒ No ☐ To what depth? 20 ft.
Material used in seal Bentonite
Did any strata contain unusable water? Yes ☐ No ☐
Type of water? _____ Depth of strata _____
Method of sealing strata off _____

(7) PUMP: Manufacturer's Name _____
Type: _____ H.P. _____

(8) WATER LEVELS: Land-surface elevation above mean sea level _____ ft.
Static level 93.5 ft. below top of well Date _____
Artesian pressure _____ lbs. per square inch Date _____
Artesian water is controlled by _____ (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☒ No ☐ If yes, by whom? _____
Yield: _____ gal./min. with _____ ft. drawdown after _____ hrs.
" See ATTACHED " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test _____
Bailer test _____ gal./min. with _____ ft drawdown after _____ hrs.
Airtest _____ gal./min. with stem set at _____ ft. for _____ hrs.
Artesian flow _____ g.p.m. Date _____
Temperature of water _____ Was a chemical analysis made? Yes ☒ No ☐

(10) WELL LOG or ABANDONMENT PROCEDURE DESCRIPTION

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of information.

MATERIAL	FROM	TO
(See ATTACHED)		

Work started Jan 1, 19 92 Completed Sept 25, 19 92

WELL CONSTRUCTOR CERTIFICATION:

I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

NAME Burt Well Drilling, Inc. (PERSON, FIRM, OR CORPORATION) (TYPE OR PRINT)

Address 19782 N.E. Lincoln Rd. Poulsbo Wa.

(Signed) George Burt (WELL DRILLER) License No. 00154

Contractor's Registration No. BURTWI*922BU Date 10-14, 19 92

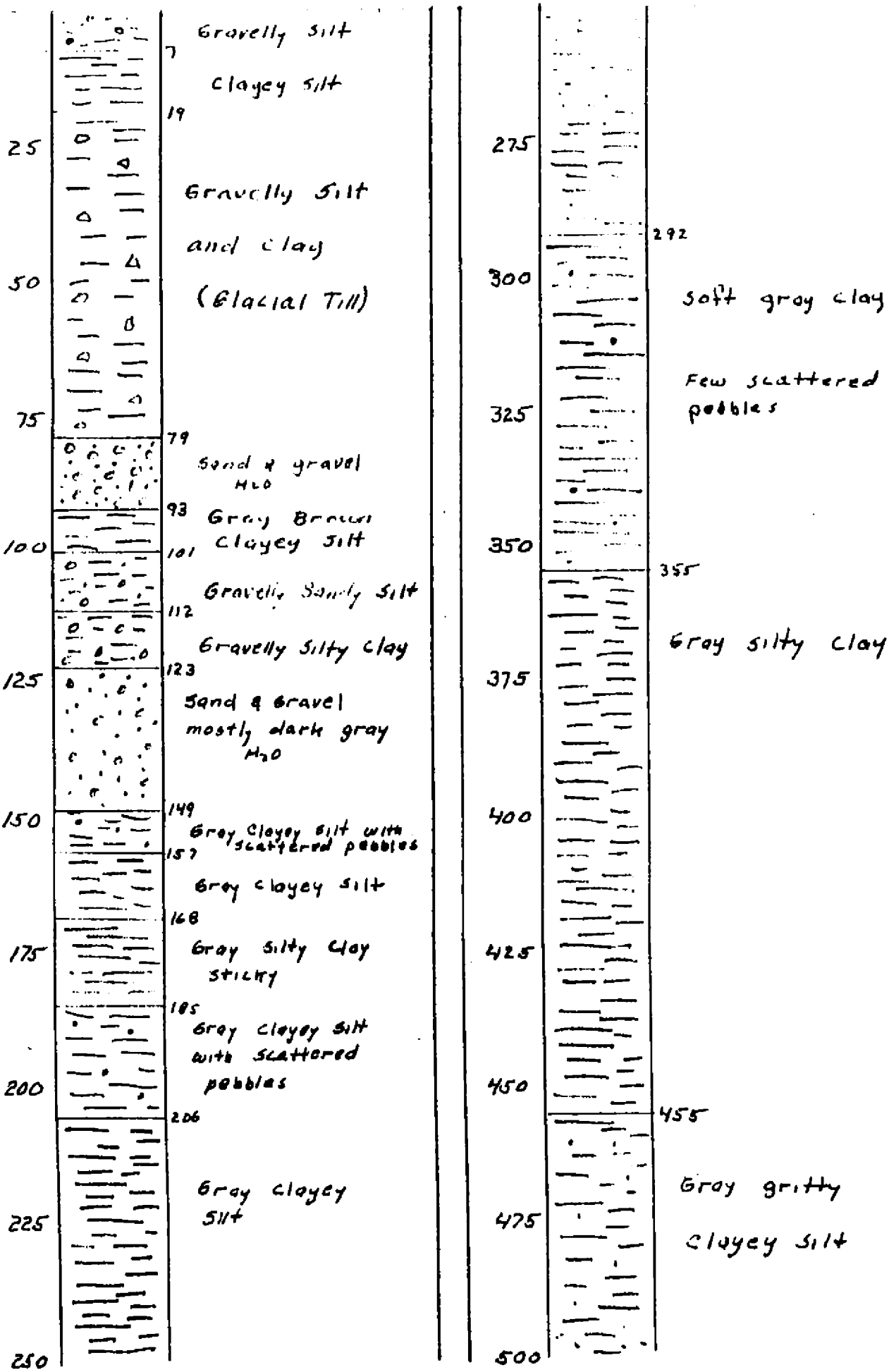
(USE ADDITIONAL SHEETS IF NECESSARY)

BCY 080-1-20 (10/87) -1329

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

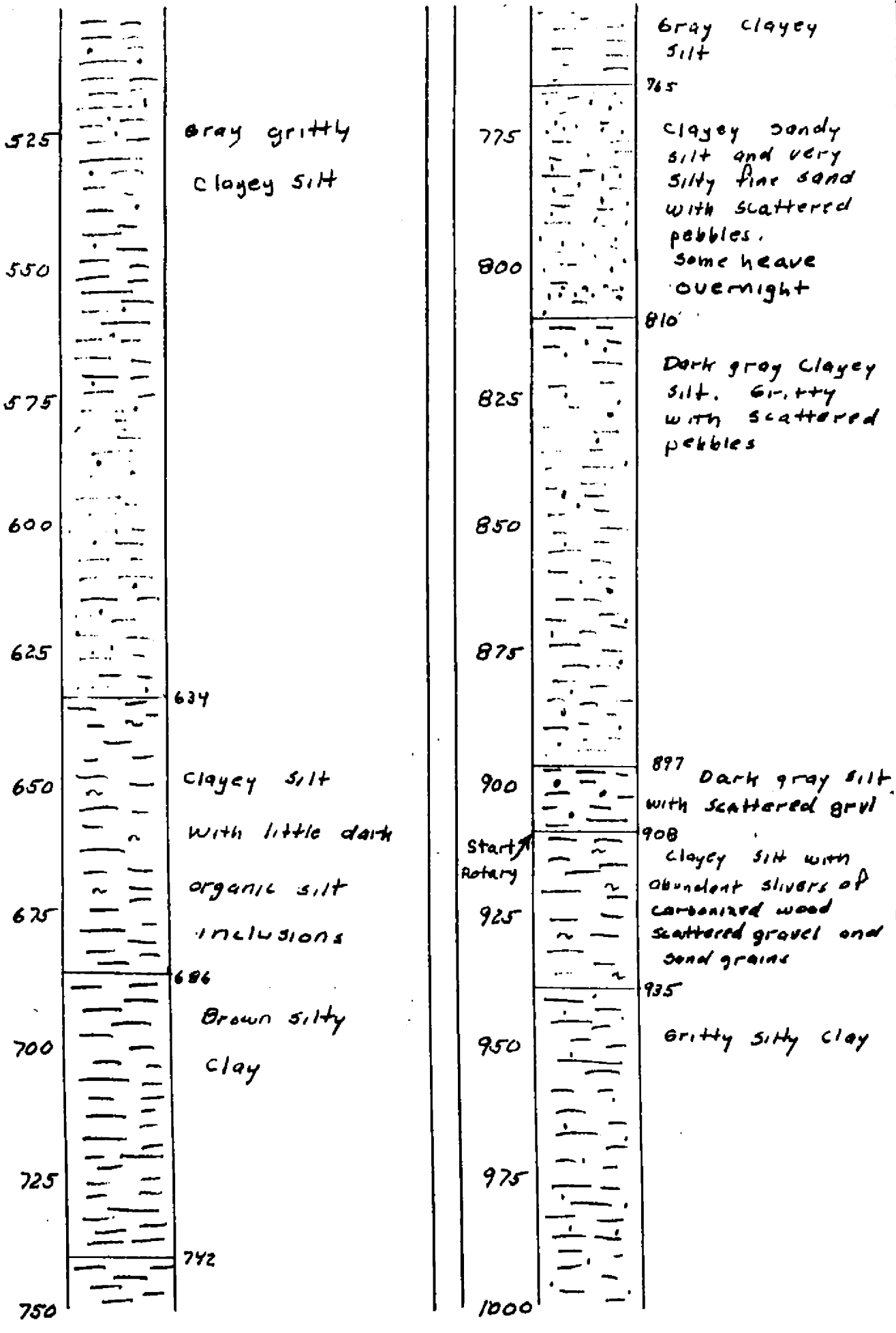
North Bainbridge Water Co

M.P. : Ground level Elev. : 120 ft MSL

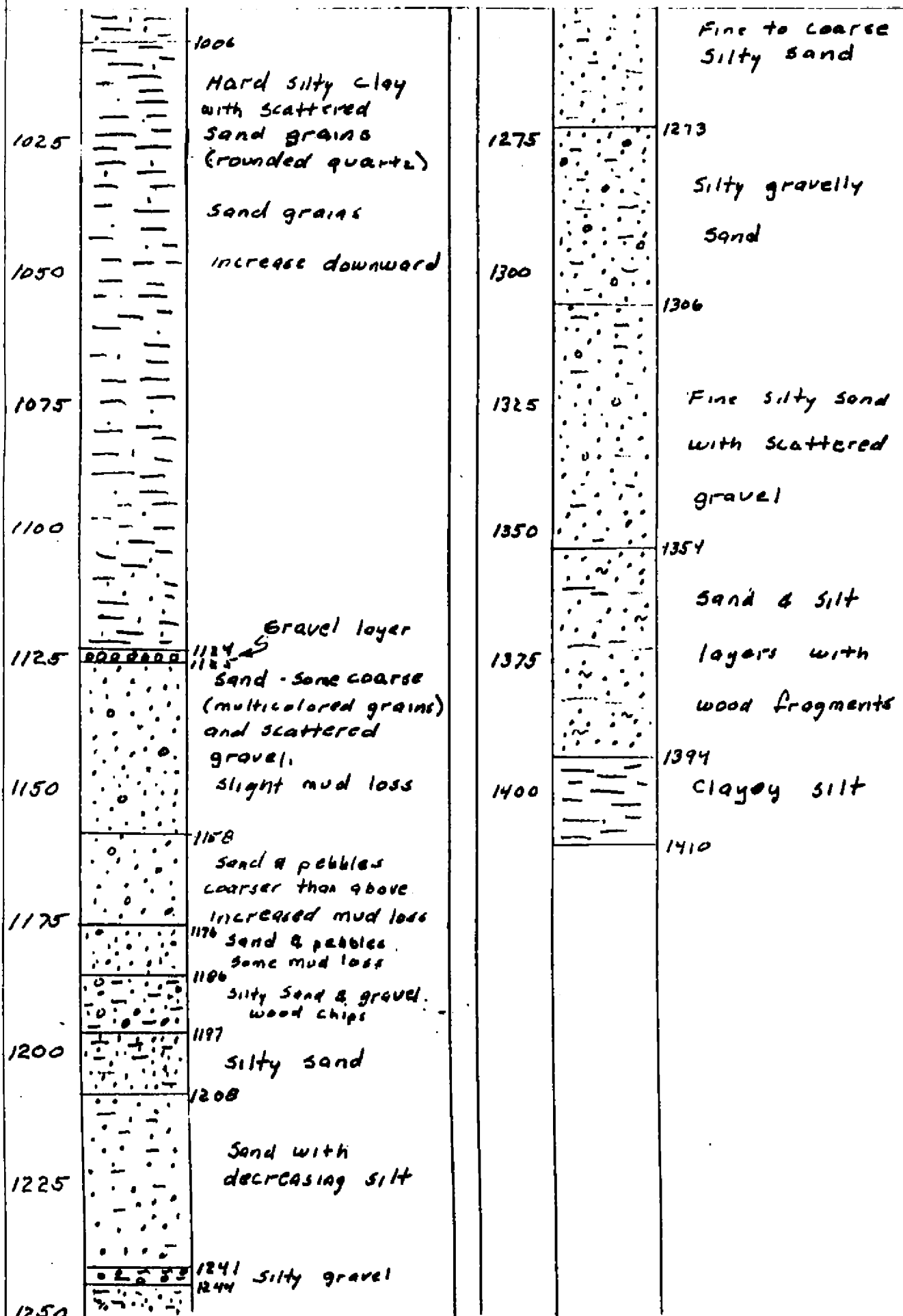


The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

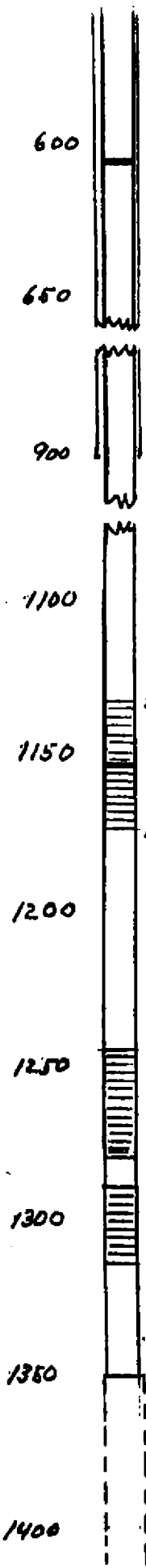


The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.



The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

N Bainbridge Water Co · Deep Well



608.02 — 609.02 Back off coupling

902 Bottom 12" Casing

1134.25

1154.25 ← 1 ft blank
1155.25

Two 15 slot S.S. Screens Extra strength

1175.25

1245.24

15 slot screen S.S. Extra strength

1280.24

1290.24

15 slot screen S.S. Extra strength

1315.24

1350.24 Bottom 8" casing

Open hole

1410.0 Bottom Hole

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

Walter D. Paterson & Associates

Engineering and Groundwater Geologists • 10894 N.E. Country Club Road • Bainbridge Island WA 98110 • (206) 842-5220

NORTH BAINBRIDGE WATER CO.
Pumping Test Well No. 9
March 22, 1994

Location: SW ¼ NE ¼ Sec. 9, T 25 N, R 2 E approximately 200 feet east and 100 feet north of the intersection of Miller Road and Lovgren Road, Bainbridge Island, Washington.

Purpose of Test: To determine well and aquifer characteristics.

Well Description: Well No. 9 was drilled with a cable tool rig starting with a diameter of 20 inches. The boring was reduced to a 16-inch and finally to a 12-inch diameter which extended to a depth of 900 feet. The drilling was then continued to 1410 feet with a mud rotary rig. A string of 8" casing was run from the surface to 1350 feet. Screen intervals are 1134-1175, 1245-1280, and 1290-1315. All screens are 15-slot stainless steel. The well is backfilled and cemented from the bottom up to 1342 feet. A 50 HP submersible pump is set at 300 feet below the surface and a ½-inch PVC sounding tube extends from the top of the casing to the top of the pump.

Test Procedure: A planned 24-hour test in July 1993 had to be discontinued after 2 hours because the discharged water was causing turbidity in a small stream flowing into Manzanita Bay. Because of the water disposal problem, the Department of Ecology approved a 600 gpm test for a minimum of 4 hours.

The test was run at 600 gpm with the water retained in a holding pond and slowly released. Water levels were monitored throughout the pumping period which was extended to 6 hours and through a 1-hour recovery period.

Test Results: The drawdown and recovery data have been plotted on semi-logarithmic paper. From the plotted curves the well and aquifer characteristics have been calculated. The pumping level was stabilized after 100 minutes. The specific capacity of the well at stabilization is 4.35 gpm per foot of drawdown. The transmissivity of the aquifer is 36,800 gallons per day per foot. One hour after the pumping ended the water level recovery was 98% of the maximum drawdown.

Conclusions: Well No. 9 pumping 600 gpm utilized only 13% of the total head above the screens. A rate of 700 gpm would only utilize 15% of the head and therefore would be an easily sustainable rate.

Walter D. Paterson

Please print, sign and return to the Department of Ecology

25-2E-11E

Water Well Report

Original – Ecology, 1st copy – owner, 2nd copy – driller

Construction/Decommission 172651

☑ Construction

☐ Decommission *ORIGINAL INSTALLATION Notice of Intent Number* _____

Current Notice of Intent No. W07247

Unique Ecology Well ID Tag No. AAC-110

Water Right Permit No. G1-24627

Property Owner Name PUD No 1 of Kitsap County

Well Street Address NE Madison & Viewcrest

City Bainbridge County Kitsap

Location SW1/4-1/4 NW1/4 Sec 11 Twn 25N R 2 EWM or WWM ☑ circle one

Lat/Long (s, t, r still REQUIRED) Lat Deg _____ Lat Min/Sec _____ Long Deg _____ Long Min/Sec _____

Tax Parcel No. 11250220912008

PROPOSED USE: ☐ Domestic ☐ Industrial ☐ Municipal ☐ DeWater ☐ Irrigation ☑ Test Well ☑ Other Water Distri

TYPE OF WORK: Owner's number of well (if more than one) N Bainbridge #10

☐ New well ☐ Reconditioned *Method:* ☐ Dug ☐ Bored ☐ Driven ☑ Deepened ☐ Cable ☑ Rotary ☐ Jetted

DIMENSIONS: Diameter of well 6 inches, drilled 720 ft.

Depth of completed well 1212 ft.

CONSTRUCTION DETAILS

Casing Installed: ☑ Welded exist. 8" Diam. from 0 ft. to existing ft.

☐ Liner installed 6* " Diam. from +3 ft. to 1230 ft.

☐ Threaded *except " Diam. from at ft. to screens ft.

Perforations: ☐ Yes ☑ No

Type of perforator used _____

SIZE of perfs _____ in. by ____ in. and no. of perfs ____ from ____ ft. to ____ ft.

Screens: ☑ Yes ☐ No ☐ K-Pac Location _____

Manufacturer's Name Alloy

Type v-wire Model No. 304SS

Diam. 6PS Slot size .020 from 1120 ft. to 1160 ft.

Diam. 6PS Slot size .020 from 1180 ft. to 1200 ft.

Gravel/Filter packed: ☐ Yes ☑ No ☐ Size of gravel/sand _____

Materials placed from _____ ft. to _____ ft.

Surface Seal: ☐ Yes ☐ No To what depth? not changed ft.

Material used in seal not changed

Did any strata contain unusable water? ☐ Yes ☑ No

Type of water? _____ Depth of strata _____

Method of sealing strata off _____

PUMP: Manufacturer's Name _____

Type: _____ H.P. _____

WATER LEVELS: Land-surface elevation above mean sea level ~350 ft.

Static level 328 ft. below top of well Date 4/23/05

Artesian pressure _____ lbs. per square inch Date _____

Artesian water is controlled by _____ (cap, valve, etc.)

WELL TESTS: Drawdown is amount water level is lowered below static level

Was a pump test made? ☑ Yes ☐ No If yes, by whom? SEI

Yield: 200 gal./min. with 19 ft. drawdown after 1 hrs.

Yield: 200 gal./min. with 21 ft. drawdown after 5 hrs.

Yield: 200 gal./min. with 22.5 ft. drawdown after 10.5 hrs

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level
1 hr	34' DD				
5 hr	15' DD				
10 hr	07' DD				

Date of test 4/21/05

Bailer test _____ gal./min. with _____ ft. drawdown after _____ hrs.

Airtest _____ gal./min. with stem set at _____ ft. for _____ hrs.

Artesian flow _____ g.p.m. Date _____

Temperature of water ~55F Was a chemical analysis made? ☐ Yes ☐ No

CONSTRUCTION OR DECOMMISSION PROCEDURE

Formation: Describe by color, character, size of material and structure, and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of information indicate all water encountered. (USE ADDITIONAL SHEETS IF NECESSARY.)

MATERIAL	FROM	TO
fill clay & gravel	683	690
Clay, grey, med-soft, silty	690	711
Sand, grey, med, some wood	711	718
Clay, grey, med-soft	718	830
Gravel, 1" - & sand, grey, coarse w/some wood	830	839
Clay, grey, med-soft	839	867
Gravel, 1" minus & some sand, grey, med-fine w/wd	867	873
Clay, grey, med-soft	873	902
Gravel, 3" - & some sand, grey, med-fine, w/wood	902	933
Clay, grey & green, soft, sandy w/some gravel	933	1003
Clay, grey, soft, sandy w/occasional gravel	1003	1053
Sand, grey, fine & clay layers, soft, blue-green	1053	1065
Clay, grey, soft w/ occasional gravel	1065	1070
Clay, grey, soft	1070	1108
Sand, grey, crse w/some pea gravel & cementation	1108	1163
Sand, grey, coarse w/some pea gravel, cem. & wood	1163	1203
Sand, grey, med, & some pea gravel, wood & cem.	1203	1253
Clay, grey, soft w/some wood	1253	1265
Sand, grey, fine, silty, soft	1265	1320
Clay, grey, soft, silty & some wood	1320	1348
Clay, grey, med-soft w/some claystone layers, med	1348	1403
backfilled with native materials to 1304'		
backfilled with pea gravel up to 1220'-1304'		
placed cement grout plug from 1220' - 1212'		
formation packers @ 690', 695' & 700'		

RECEIVED

MAY 16 2005

DEPT OF ECOLOGY

Start Date 3/15/05 Completed Date 4/23/05

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

Driller/Engineer/Trainee Name (Print) Stephen J Schneider

Driller/Engineer/Trainee Signature Stephen J Schneider

Driller or trainee License No. 0643

Drilling Company Schneider Equipment, Inc.

Address 21881 River Road NE

City, State, Zip St. Paul, OR 97137

Contractor's Registration No. SCHNEI*226LG Date 5/11/05

If TRAINEE, Driller's Licensed No. _____

Driller's Signature _____

Ecology is an Equal Opportunity Employer. ECY 050-1-20 (Rev 2/03)

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

187702

Please print, sign and return to the Department of Ecology

25-2E-11E

Water Well Report

Original – Ecology, 1st copy – owner, 2nd copy – driller

Construction/Decommission

☒ Construction
☐ Decommission *ORIGINAL INSTALLATION Notice of Intent Number* W 172344

Current Notice of Intent No. W 172344

Unique Ecology Well ID Tag No. ~~AKG 823~~ AAC 110

Water Right Permit No. G1-24627P

Property Owner Name K. Tsap County PUD #1

Well Street Address N. Madison & View Crest Dr.

City Bainbridge County K. Tsap

Location SW 1/4-1/4 NW 1/4 Sec 11 Twn 25N R 2E EWM ☒ or WWM ☐ circle one

Lat/Long (s, t, r still REQUIRED) Lat Deg _____ Lat Min/Sec _____ Long Deg _____ Long Min/Sec _____

Tax Parcel No. 162502209120008

PROPOSED USE: ☐ Domestic ☐ Industrial ☐ Municipal ☐ DeWater ☐ Irrigation ☒ Test Well ☐ Other _____

TYPE OF WORK: Owner's number of well (if more than one) _____

☒ New well ☐ Reconditioned ☐ Deepened Method: ☐ Dug ☐ Bored ☐ Driven ☒ Cable ☐ Rotary ☐ Jetted

DIMENSIONS: Diameter of well 8 inches, drilled 690 ft. Depth of completed well 690 ft.

CONSTRUCTION DETAILS

Casing Installed: ☒ Welded 8" Diam. from +2 ft. to 682 ft. ☐ Liner installed _____" Diam. from _____ ft. to _____ ft. ☐ Threaded _____" Diam. from _____ ft. to _____ ft.

Perforations: ☐ Yes ☒ No

Type of perforator used _____

SIZE of perfs _____ in by _____ in. and no. of perfs _____ from _____ ft. to _____ ft.

Screens: ☐ Yes ☒ No ☐ K-Pac Location _____

Manufacturer's Name _____

Type _____ Model No _____

Diam. _____ Slot size _____ from _____ ft. to _____ ft.

Diam. _____ Slot size _____ from _____ ft. to _____ ft.

Gravel/Filter packed: ☐ Yes ☒ No ☐ Size of gravel/sand _____

Materials placed from _____ ft. to _____ ft.

Surface Seal: ☒ Yes ☐ No To what depth? 20 ft.

Material used in seal Q Grout

Did any strata contain unusable water? ☐ Yes ☒ No

Type of water? _____ Depth of strata _____

Method of sealing strata off _____

PUMP: Manufacturer's Name _____

Type: _____ H.P. _____

WATER LEVELS: Land-surface elevation above mean sea level _____ ft.

Static level _____ ft. below top of well Date _____

Artesian pressure _____ lbs. per square inch Date _____

Artesian water is controlled by _____ (cap, valve, etc.)

WELL TESTS: Drawdown is amount water level is lowered below static level

Was a pump test made? ☐ Yes ☒ No If yes, by whom? _____

Yield: _____ gal./min. with _____ ft. drawdown after _____ hrs.

Yield: _____ gal./min. with _____ ft. drawdown after _____ hrs.

Yield: _____ gal./min. with _____ ft. drawdown after _____ hrs.

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test _____

Bailer test _____ gal./min. with _____ ft. drawdown after _____ hrs.

Airtest _____ gal./min. with stem set at _____ ft. for _____ hrs.

Artesian flow _____ g.p.m. Date _____

Temperature of water _____ Was a chemical analysis made? ☐ Yes ☐ No

CONSTRUCTION OR DECOMMISSION PROCEDURE

Formation: Describe by color, character, size of material and structure, and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of information. Indicate all water encountered. (USE ADDITIONAL SHEETS IF NECESSARY)

MATERIAL	FROM	TO
Silty loose Gravel	0	2
Brown Silty Clay	2	20
Brown Silty Sand	20	52
Gray Silty Clay	52	98
Clay bound Sand Gravel	98	146
Brown Silty Sand Gravel	146	159
water		
Brown Silt Sand	159	175
Gray Silty Sand	175	190
Brown Silty Sand occ Gravel	190	202
Gray Fine Sand	202	206
Gray Silty Clay	206	552
Gray Silt occ Gravel	552	598
Gray Med Sand	598	600
Gray Silty Clay	600	690

NOT ENOUGH WATER FOR DISTRICT USE

WILL HAVE SCHNEIDER DRILLING

MUD ROTARY TO NEXT AQUIFER

RECEIVED
JUN 19 2006
DEPT. OF ECOLOGY

Start Date 6-22-05 Completed Date 7-26-05

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

Driller/Engineer/Trainee Name (Print) Wade Iversen

Driller/Engineer/Trainee Signature Wade Iversen

Driller or trainee License No. 597

Drilling Company Holt Drilling

Address PO Box 1890

City, State, Zip Milton WA 98354 1890

Contractor's Registration No. HOLTDI*136CG Date 1-10-06

If TRAINEE:
Driller's Licensed No. _____
Driller's Signature _____

Equal Opportunity Employer. ECY 050-1-20 (Rev. 2/03)

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

18-1902

Pleas int, sign and return to the Department of Ecology

EXHIBIT 2

Water Well Report

Original – Ecology, 1st copy – owner, 2nd copy – driller

Construction/Decommission

☒ Construction

☐ Decommission *ORIGINAL INSTALLATION Notice of Intent Number* W 172344

Current Notice of Intent No. W 172344

Unique Ecology Well ID Tag No. AAC-116

Water Right Permit No. G1-24627P

Property Owner Name Kitsap County PUD #1

Well Street Address N. Madison & View Crest Dr.

City Bainbridge County Kitsap

Location SW 1/4-1/4 NW 1/4 Sec 11 Twn 25N R 2E EWM or WWM ☒ circle one

Lat/Long (s, t, r still REQUIRED) Lat Deg _____ Lat Min/Sec _____ Long Deg _____ Long Min/Sec _____

Tax Parcel No. 112502209120008

PROPOSED USE: ☐ Domestic ☐ Industrial ☐ Municipal ☐ DeWater ☐ Irrigation ☒ Test Well ☐ Other _____

TYPE OF WORK: Owner's number of well (if more than one) _____

☒ New well ☐ Reconditioned ☐ Deepened *Method:* ☐ Dug ☐ Bored ☐ Driven ☒ Cable ☐ Rotary ☐ Jetted

DIMENSIONS: Diameter of well 8 inches, drilled 690 ft. Depth of completed well 690 ft.

CONSTRUCTION DETAILS

Casing Installed: ☒ Welded 8" Diam. from +2 ft. to 682 ft.; ☐ Liner installed _____" Diam. from _____ ft. to _____ ft.; ☐ Threaded _____" Diam. from _____ ft. to _____ ft.

Perforations: ☐ Yes ☒ No

Type of perforator used _____

SIZE of perfs _____ in. by ____ in. and no. of perfs ____ from ____ ft. to ____ ft.

Screens: ☐ Yes ☒ No ☐ K-Pac Location _____

Manufacturer's Name _____

Type _____ Model No. _____

Diam. _____ Slot size _____ from _____ ft. to _____ ft.

Diam. _____ Slot size _____ from _____ ft. to _____ ft.

Gravel/Filter packed: ☐ Yes ☒ No ☐ Size of gravel/sand _____

Materials placed from _____ ft. to _____ ft.

Surface Seal: ☒ Yes ☐ No To what depth? 20 ft.

Material used in seal Q Grout

Did any strata contain unusable water? ☐ Yes ☒ No

Type of water? _____ Depth of strata _____

Method of sealing strata off _____

PUMP: Manufacturer's Name _____

Type: _____ H.P. _____

WATER LEVELS: Land-surface elevation above mean sea level _____ ft.

Static level _____ ft. below top of well Date _____

Artesian pressure _____ lbs. per square inch Date _____

Artesian water is controlled by _____ (cap, valve, etc.)

WELL TESTS: Drawdown is amount water level is lowered below static level

Was a pump test made? ☐ Yes ☒ No If yes, by whom? _____

Yield: _____ gal./min. with _____ ft. drawdown after _____ hrs.

Yield: _____ gal./min. with _____ ft. drawdown after _____ hrs.

Yield: _____ gal./min. with _____ ft. drawdown after _____ hrs.

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test _____

Bailer test _____ gal./min. with _____ ft. drawdown after _____ hrs.

Airtest _____ gal./min. with stem set at _____ ft. for _____ hrs.

Artesian flow _____ g.p.m. Date _____

Temperature of water _____ Was a chemical analysis made? ☐ Yes ☐ No

CONSTRUCTION OR DECOMMISSION PROCEDURE

Formation: Describe by color, character, size of material and structure, and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of information indicate all water encountered. (USE ADDITIONAL SHEETS IF NECESSARY.)

MATERIAL	FROM	TO
Silty loose Gravel	0	2
Brown Silty Clay	2	20
Brown Silty Sand	20	52
Gray Silty Clay	52	98
Clay bound Sand & Gravel	98	146
Brown Silty Sand & Gravel	146	159
Water		
Brown Silt Sand	159	175
Gray Silty Sand	175	190
Brown Silty Sand occ. Gravel	190	202
Gray Fine Sand	202	206
Gray Silty Clay	206	552
Gray Silt occ Gravel	552	598
Gray med Sand	598	600
Gray Silty Clay	600	690

Start Date 6-22 Completed Date 7-26

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

Driller/Engineer/Trainee Name (Print) Wade Iversen

Driller/Engineer/Trainee Signature Wade Iversen

Driller or trainee License No. 597

Drilling Company Holt Drilling

Address PO Box 1890

City, State, Zip Milton WA 98354-1890

Contractor's Registration No. HOLTDI*13606 Date 1-10-05

If TRAINEE,

Driller's Licensed No. _____

Driller's Signature _____

Ecology is an Equal Opportunity Employer. ECY 050-1-20 (Rev 2/03)

File Original and First Copy with Department of Ecology
Second Copy—Owner's Copy
Third Copy—Driller's Copy

WATER WELL REPORT

STATE OF WASHINGTON

Start Card No. [redacted]

Water Right Permit No. 24/2/28P

(1) OWNER: Name Mark Obergotts berger Address 7030 N.E. 134th St, Kirkland, 98034

(2) LOCATION OF WELL: County Kitsap SE ¼ SW ¼ Sec. 28 T. 26 N., R. 2E W.M.

(2a) STREET ADDDRESS OF WELL (or nearest address) 16263 Agate Pass Rd B. I, WA 98110

(3) PROPOSED USE: ☑ Domestic ☐ Industrial ☐ Municipal ☐ ☐ Irrigation ☐ Test Well ☐ Other ☐ ☐ DeWater

(4) TYPE OF WORK: Owner's number of well (if more than one) ✓

Abandoned ☐ New well ☐ Method: Dug ☐ Bored ☐ Deepened ☐ Cable ☐ Driven ☐ Reconditioned ☐ Rotary ☑ Jetted ☐

(5) DIMENSIONS: Diameter of well 6 inches. Drilled 503 feet. Depth of completed well 503 ft.

(6) CONSTRUCTION DETAILS:

Casing installed: 6 " Diam. from 0 ft. to 493'6" ft.
Welded ☑ Liner installed ☐ Threaded ☐ " Diam. from ft. to ft.
" Diam. from ft. to ft.

Perforations: Yes ☐ No ☐

Type of perforator used

SIZE of perforations in. by in.

perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

Screens: Yes ☑ No ☐

Manufacturer's Name Houston

Type Tele Model No.

Diam. 5 Slot size 6 from 493 ft. to 498 ft.
Diam. Slot size 6 from 498 ft. to 503 ft.

Gravel packed: Yes ☐ No ☑ Size of gravel

Gravel placed from ft. to ft.

Surface seal: Yes ☑ No ☐ To what depth? 18 + ft.

Material used in seal Bentonite

Did any strata contain unusable water? Yes ☐ No ☐

Type of water? Depth of strata

Method of sealing strata off

(7) PUMP: Manufacturer's Name

Type: H.P.

(8) WATER LEVELS: Land-surface elevation above mean sea level ft.

Static level 210 ft. below top of well Date 4-22-92

Artesian pressure lbs. per square inch Date

Artesian water is controlled by (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level

Was a pump test made? Yes ☐ No ☐ If yes, by whom?

Yield: gal./min. with ft. drawdown after hrs.

" " " "
" " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test

Bailer test gal./min. with ft. drawdown after hrs.

Airtest 15 gal./min. with stem set at 490 ft. for 2 hrs.

Artesian flow g.p.m. Date

Temperature of water Was a chemical analysis made? Yes ☐ No ☐

(10) WELL LOG or ABANDONMENT PROCEDURE DESCRIPTION

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of information.

MATERIAL	FROM	TO
Brn sandy clay	0	10
Fine Brn Sand	10	53
Grey Sandy clay	53	60
Sticky grey clay	60	170
Grey Sand, fine silt	170	180
Sticky grey clay	180	202
Grey Rocky hardpan	202	252
Grey Silty Sand	252	310
Grey Silty Sand with wood	310	340
Silty grey Sand, hard Shale	340	375
Sticky grey clay	375	495
Silt water, sand, clam shells	495	503

RECEIVED
JUN 16 1992
DEPT. OF ECOLOGY

Work started 4-15, 19 92 Completed 4-22, 19 92

WELL CONSTRUCTOR CERTIFICATION:

I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

NAME Duckworth Pump & Drilling (PERSON, FIRM, OR CORPORATION) (TYPE OR PRINT)

Address 183655 Diamond Dr. Poulsbo

(Signed) Donald D. Duckworth License No. 1147 (WELL DRILLER)

Contractor's Registration No. Date 19 92

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20 (10/87) -1329-

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT
STATE OF WASHINGTON

Application No. 25102 - 17K
Permit No. ....

(1) OWNER: Name OKE OKERMAN Address TILC RD, BAINBRIDGE ISLAND, WASH.

(2) LOCATION OF WELL: County KITSAP — SE ¼ SE ¼ Sec. 17 T. 25 N., R. 2E W.M.

Bearing and distance from section or subdivision corner

(3) PROPOSED USE: Domestic [X] Industrial [ ] Municipal [ ]
Irrigation [ ] Test Well [ ] Other [ ]

(4) TYPE OF WORK: Owner's number of well (if more than one) ....
New well [ ] Method: Dug [ ] Bored [ ]
Deepened [ ] Cable [X] Driven [ ]
Reconditioned [ ] Rotary [ ] Jetted [ ]

(5) DIMENSIONS: Diameter of well 6 inches.
Drilled 100 ft. Depth of completed well 100 ft.

(6) CONSTRUCTION DETAILS:

Casing installed: 6 " Diam. from 0 ft. to 96 ft.
Threaded [ ] " Diam. from .... ft. to .... ft.
Welded [ ] " Diam. from .... ft. to .... ft.

Perforations: Yes [ ] No [X]
Type of perforator used ....
SIZE of perforations .... in. by .... in.
.... perforations from .... ft. to .... ft.
.... perforations from .... ft. to .... ft.
.... perforations from .... ft. to .... ft.

Screens: Yes [X] No [ ]
Manufacturer's Name JOHNSON
Type TELESCOPE Model No. ....
Diam. 6 Slot size 12 from 96 ft. to 100 ft.
Diam. .... Slot size .... from .... ft. to .... ft.

Gravel packed: Yes [ ] No [X] Size of gravel: ....
Gravel placed from .... ft. to .... ft.

Surface seal: Yes [X] No [ ] To what depth? 20 ft.
Material used in seal BENTONITE
Did any strata contain unusable water? Yes [ ] No [ ]
Type of water? .... Depth of strata ....
Method of sealing strata off ....

(7) PUMP: Manufacturer's Name FLINT & WALLING
Type: SUBMERSIBLE H.P. 1/2

(8) WATER LEVELS: Land-surface elevation above mean sea level .... 60 ft.
Static level 20 ft. below top of well Date ....
Artesian pressure .... lbs. per square inch Date ....
Artesian water is controlled by .... (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes [X] No [ ] If yes, by whom? ....
Yield: 7 gal./min. with 75 ft. drawdown after 3 hrs.
" " " "
" " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test 4-1-77
Bailer test 10 gal./min. with 55 ft. drawdown after 4 hrs.
Artesian flow .... g.p.m. Date ....
Temperature of water .... Was a chemical analysis made? Yes [ ] No [X]

(10) WELL LOG:

Formation: *Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.*

MATERIAL	FROM	TO
top soil	0	4
hard pan	4	39
course sand, water	39	65
sand, water	65	69
course sand, blue clay	69	71
blue clay	71	90
course sand, water	90	100

Work started 3-22, 19 77 Completed 4-1, 19 77

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME JIM BACH DRILLING CO.
(Person, firm, or corporation) (Type or print)

Address P.O. Box 10452, BAINBRIDGE ISL, WASH.

[Signed] .... (Well Driller)

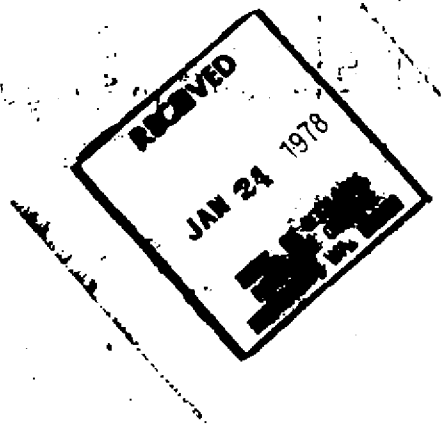
License No. 210 Date 4-1, 19 77

(USE ADDITIONAL SHEETS IF NECESSARY)

S. F. No. 7356—OS—(Rev. 4-71).

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.



File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

ENTERED

WATER WELL REPORT

STATE OF WASHINGTON

Start Card No. W052700

UNIQUE WELL I.D. # ABP813

Water Right Permit No. 25-2E-20 D

(1) **OWNER:** Name Mr. Pat Byrne/SB Const. Inc Address 25867 Canyon Rd.NW, Poulsbo, WA 98370

(2) **LOCATION OF WELL:** County Kitsap . NW 1/4 NW 1/4 Sec 20 T. 25 N., R 2E WM.

(2a) **STREET ADDRESS OF WELL** (or nearest address) Battle Point Road, B.I.

(3) **PROPOSED USE:** [X] Domestic [ ] Industrial [ ] Municipal [ ] Irrigation [ ] Test Well [ ] Other [ ] DeWater

(4) **TYPE OF WORK:** Owner's number of well (If more than one) _____
Abandoned [ ] New well [X] Method: Dug [ ] Bored [ ] Deepened [ ] Cable [X] Driven [ ] Reconditioned [ ] Rotary [ ] Jetted [ ]

(5) **DIMENSIONS:** Diameter of well 6 inches. Drilled 120 feet. Depth of completed well 120 ft.

(6) **CONSTRUCTION DETAILS:**
Casing installed: 6 " Diam. from 0 ft. to 120 ft.
Welded [X] _____ " Diam. from _____ ft. to _____ ft.
Liner installed [ ] Threaded [ ] _____ " Diam. from _____ ft. to _____ ft.

Perforations: Yes [ ] No [X]
Type of perforator used _____
SIZE of perforations _____ in. by _____ in.
_____ perforations from _____ ft. to _____ ft.
_____ perforations from _____ ft. to _____ ft.
_____ perforations from _____ ft. to _____ ft.

Screens: Yes [ ] No [X]
Manufacturer's Name _____
Type _____ Model No. _____
Diam. _____ Slot size _____ from _____ ft. to _____ ft.
Diam. _____ Slot size _____ from _____ ft. to _____ ft.

Gravel packed: Yes [ ] No [X] Size of gravel _____
Gravel placed from _____ ft. to _____ ft.

Surface seal: Yes [X] No [ ] To what depth? 18 ft.
Material used in seal Bentonite
Did any strata contain unusable water? Yes [ ] No [X]
Type of water? _____ Depth of strata _____
Method of sealing strata off _____

(7) **PUMP:** Manufacturer's Name Goulds
Type: submersible 10GS07 H.P. 3/4

(8) **WATER LEVELS:** Land-surface elevation above mean sea level _____ ft.
Static level 110 ft. below top of well Date 5/04/95
Artesian pressure _____ lbs. per square inch Date _____
Artesian water is controlled by _____ (Cap, valve, etc.)

(9) **WELL TESTS:** Drawdown is amount water level is lowered below static level
Was a pump test made? Yes [X] No [ ] If yes, by whom? Gresham
Yield: 15 gal./min. with 1 ft. drawdown after 1 hrs.
" " " "
" " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level
Full recov. in 1 min.					

Date of test 5/04/95
Bailer test 10+ gal./min. with 1 ft. drawdown after 1 hrs.
Airtest _____ gal./min. with stem set at _____ ft. for _____ hrs.
Artesian flow _____ g.p.m. Date _____
Temperature of water 50 Was a chemical analysis made? Yes [X] No [ ]

(10) **WELL LOG or ABANDONMENT PROCEDURE DESCRIPTION**

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of information.

MATERIAL	FROM	TO
Overburden	0	1
Brown clay and gravel	1	3
Brown gravelly hardpan	3	36
Brown silty sand & gravel	36	39
Gray sandy clay	39	40
Brown silty coarse sand & gravel	40	58
Gray gravelly hardpan	58	67
Gray silty sand & gravel	67	70
Brown silty sand & gravel	70	73
Brown loose coarse sand & gravel	73	76
Brown silty coarse sand & gravel	76	92
Brown sandy silty clay	92	94
Brown silty coarse sand & gravel	94	118
Gray XXXXX coarse sand & gravel& H20	118	120

RECEIVED
MAY 15 1995
DEPT. OF ECOLOGY

Work Started 4/19/95 19. Completed 4/26/95 19

WELL CONSTRUCTOR CERTIFICATION:

I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

NAME Gresham Well Drilling, Inc (PERSON, FIRM, OR CORPORATION) (TYPE OR PRINT)

Address 3105 NW Lakeness Rd., Poulsbo, WA 98370

(Signed) _____ (WELL DRILLER) License No. 0761

Contractor's Registration No. GRESHWD055BC Date 5/11/95 19

(USE ADDITIONAL SHEETS IF NECESSARY)

Ecology is an Equal Opportunity and Affirmative Action employer. For special accommodation needs, contact the Water Resources Program at (206) 407-6600. The TDD number is (206) 407-6006.

ECY 050-1-20 (9/93)

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

26/02-33H

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT

STATE OF WASHINGTON

Application No. .....

Permit No. .....

(1) OWNER: Name Jack Personius Address 7712 NE, Port Madison Rd Bainbridge Island

(2) LOCATION OF WELL: County Kitsap SE¼ SE¼ NE¼ Sec. 33 T. 26 N., R. 2 E. W.M.

Bearing and distance from section or subdivision corner

(3) PROPOSED USE: Domestic [X] Industrial [ ] Municipal [ ]
Irrigation [ ] Test Well [ ] Other [ ]

(4) TYPE OF WORK: Owner's number of well (if more than one) .....
New well [X] Method: Dug [ ] Bored [ ]
Deepened [ ] Cable [X] Driven [ ]
Reconditioned [ ] Rotary [ ] Jetted [ ]

(5) DIMENSIONS: Diameter of well 6 inches.
Drilled 546 ft. Depth of completed well 546 ft.

(6) CONSTRUCTION DETAILS:

Casing installed: ..." Diam. from ... ft. to ... ft.
Threaded [ ] 6 " Diam. from 0 ft. to 548 ft.
Welded [X] ..." Diam. from ... ft. to ... ft.

Perforations: Yes [ ] No [X]
Type of perforator used .....
SIZE of perforations ... in. by ... in.
... perforations from ... ft. to ... ft.
... perforations from ... ft. to ... ft.
... perforations from ... ft. to ... ft.

Screens: Yes [X] No [ ] Johnson
Manufacturer's Name .....
Type Stainless Model No. .....
Diam. ... Slot size ... from ... ft. to ... ft.
Diam. 6 Slot size 8 from 541 ft. to 546 ft.

Gravel packed: Yes [ ] No [X] Size of gravel: .....
Gravel placed from ... ft. to ... ft.

Surface seal: Yes [X] No [ ] To what depth? 20 ft.
Material used in seal Bentonite
Did any strata contain unusable water? Yes [ ] No [X]
Type of water? ... Depth of strata ...
Method of sealing strata off .....

(7) PUMP: Manufacturer's Name Sta-Rite
Type: Jet H.P. 1

(8) WATER LEVELS: Land-surface elevation above mean sea level .... 120 ft.
Static level 90 ft. below top of well Date 1-6-81
Artesian pressure ... lbs. per square inch Date ...
Artesian water is controlled by ... (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes [X] No [ ] If yes, by whom? Driller
Yield: 15 gal./min. with 9 ft. drawdown after 1 hrs.
" " " " " "
" " " " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test .....
Bailer test 28 gal./min. with 28 ft. drawdown after 2 hrs.
Artesian flow ... g.p.m. Date ...
Temperature of water ... Was a chemical analysis made? Yes [ ] No [X]

(10) WELL LOG:

Formation: *Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.*

MATERIAL		FROM	TO
Top soil	Brown	0	3
Hard pan	Gray	3	30
Hard gravel cemented	"	30	40
" & " Dirty	Blue	40	45
" & "	"	45	47
" & " cemented	Gray	47	53
Hard pan	"	53	62
Clay	"	62	70
Hard - gravel cemented	"	70	80
Hard, silt & clay	"	80	105
Clay	Blue	105	115
Clay, peat & gravel	Brown	115	120
Clay	Blue	120	130
Clay & gravel	Gray	130	160
"	"	160	202
Sandy clay	Blue	202	206
Clay silty	Gray	206	230
Clay & gravel	"	230	240
Silt	"	240	280
Silt Hard	"	280	295
Silt Heaver	Blue	295	355
Clay	"	355	405
" Sticky	"	405	490
Clay & coarse gravel	"	490	525
Hard cemented & clay	"	525	540
Sand	"	540	

RECEIVED FEB 13 1981 DEPARTMENT OF ECOLOGY NORTHWEST REGION

Work started Nov. 21, 1980 Completed Jan. 8, 1981

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME CRABTREE DRILLING CO (Person, firm, or corporation) (Type or print)

Address 33349 Eglon Rd NE, Kingston

[Signed] Jerry Crabtree (Well Driller)

License No. 82 Date Jan. 12, 1981

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT

STATE OF WASHINGTON

842 - 5248 25/02-23B

Application No. .....

Permit No. .....

(1) OWNER: Name PAUL FRIEDRICK Address FARMCLIFF Port Madison

(2) LOCATION OF WELL: County KITSAP — NW ¼ NE ¼ Sec. 23 T. 25 N., R. 02E W.M.

Bearing and distance from section or subdivision corner

(3) PROPOSED USE: Domestic ☒ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

(4) TYPE OF WORK: Owner's number of well (if more than one) .....
New well ☒ Method: Dug ☐ Bored ☐
Deepened ☐ Cable ☒ Driven ☒
Reconditioned ☐ Rotary ☐ Jetted ☐

(5) DIMENSIONS: Diameter of well 6 inches.
Drilled 241 ft. Depth of completed well 241 ft.

(6) CONSTRUCTION DETAILS:

Casing installed: 6" Diam. from 0 ft. to 239 ft.
Threaded ☐ ..." Diam. from ... ft. to ... ft.
Welded ☐ ..." Diam. from ... ft. to ... ft.

Perforations: Yes ☐ No ☒
Type of perforator used .....
SIZE of perforations ... in. by ... in.
... perforations from ... ft. to ... ft.
... perforations from ... ft. to ... ft.
... perforations from ... ft. to ... ft.

Screens: Yes ☒ No ☐
Manufacturer's Name Johnson
Type TELESCOPE Model No. ...
Diam. 6 Slot size .125 from 235 ft. to 241 ft.
Diam. ... Slot size ... from ... ft. to ... ft.

Gravel packed: Yes ☐ No ☒ Size of gravel: ...
Gravel placed from ... ft. to ... ft.

Surface seal: Yes ☒ No ☐ To what depth? 20 ft.
Material used in seal BENTENITE
Did any strata contain unusable water? Yes ☐ No ☒
Type of water? ... Depth of strata ...
Method of sealing strata off ...

(7) PUMP: Manufacturer's Name FLINT-WALLING
Type: SUBMERS. PUMP H.P. 3/4

(8) WATER LEVELS: Land-surface elevation above mean sea level .... ft.
Static level 118 ft. below top of well Date 12/5/77
Artesian pressure ... lbs. per square inch Date ...
Artesian water is controlled by ... (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☒ No ☐ If yes, by whom? BACK
Yield: 8 gal./min. with 150 ft. drawdown after 4 hrs.
" " " "
" " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test .....
Bailer test 3 gal./min. with 80 ft. drawdown after 2 hrs.
Artesian flow ... g.p.m. Date 12/5/77
Temperature of water ... Was a chemical analysis made? Yes ☐ No ☒

(10) WELL LOG:

Formation: *Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.*

MATERIAL	FROM	TO
TOPSOIL	0	2
HARDPAN	2	45
BRN. CLAY	45	115
SILT	115	210
BRN. CLAY	210	235
COARSE SAND - WATER	235	241

Work started 11/29, 19 77 Completed DEC., 19 77

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME Jim Back Drilling Co.
(Person, firm, or corporation) (Type or print)

Address P.O. BOX 1045 BAINBRIDGE IS. WN. 98110

[Signed] Jim Back
(Well Driller)

License No. 21 Date 12/5, 19 77

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

26/2-28/E

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT
STATE OF WASHINGTON

Application No .....
Permit No .....

(1) **OWNER:** Name Mr. Paul McShane Address 1233 21st East Seattle, Wa.

(2) **LOCATION OF WELL:** County Kitsap — SW ¼ NE ¼ Sec. 28 T. 26 N., R. 2E W.M.

Bearing and distance from section or subdivision corner

(3) **PROPOSED USE:** Domestic XX Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

(4) **TYPE OF WORK:** Owner's number of well (if more than one) .....
New well XX Method: Dug ☐ Bored ☐
Deepened ☐ Cable XX Driven ☐
Reconditioned ☐ Rotary ☐ Jetted ☐

(5) **DIMENSIONS:** Diameter of well 6 inches.
Drilled 105 ft. Depth of completed well 105 ft.

(6) **CONSTRUCTION DETAILS:**
Casing installed: 6 " Diam. from 0 ft. to 105 ft.
Threaded ☐ " Diam. from ft. to ft.
Welded XX " Diam. from ft. to ft.

Perforations: Yes ☐ No XX
Type of perforator used .....
SIZE of perforations ..... in. by ..... in.
..... perforations from ..... ft. to ..... ft.
..... perforations from ..... ft. to ..... ft.
..... perforations from ..... ft. to ..... ft.

Screens: Yes XX No ☐
Manufacturer's Name Johnson
Type stainless steel Model No .....
Diam. 6 Slot size 8 from 95 ft. to 100 ft.
Diam. 6 Slot size 6 from 100 ft. to 105 ft.

Gravel packed: Yes ☐ No XX Size of gravel: .....
Gravel placed from ..... ft. to ..... ft.

Surface seal: Yes XX No ☐ To what depth? 18 ft.
Material used in seal Bentonite
Did any strata contain unusable water? Yes ☐ No XX
Type of water? ..... Depth of strata .....
Method of sealing strata off .....

(7) **PUMP:** Manufacturer's Name Flint & Walling
Type: Submersible H.P. 1/2

(8) **WATER LEVELS:** Land-surface elevation above mean sea level .... 30 ft.
Static level XX 18 ft. below top of well Date 6/14/83
Artesian pressure ..... lbs. per square inch Date .....
Artesian water is controlled by ..... (Cap, valve, etc.)

(9) **WELL TESTS:** Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☐ No XX If yes, by whom? .....
Yield: ..... gal./min. with ..... ft. drawdown after ..... hrs.
" " " "
" " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test .....
Baller test 6 gal./min. with 62 ft. drawdown after 2 hrs.
Artesian flow ..... g.p.m. Date .....
Temperature of water 50 Was a chemical analysis made? Yes ☐ No XX

(10) **WELL LOG:**
Formation: *Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.*

MATERIAL	FROM	TO
Brown sandy hard pan	0	28
Blue gravelly hard pan	28	56
Blue sandy clay	56	97
Sand & H2O "fine"	97	105

JUN 30 1983
DEPARTMENT OF ECOLOGY
NORTHWEST REGION

Work started 6/13 19 83 Completed 6/14 19 83

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME GRESHAM WELL DRILLING
(Person, firm, or corporation) (Type or print)
Address 3105 N.W. LAKENESS RD. POULSBO

[Signed] Craig A. Gresham
(Well Driller)

License No. 0761 Date 6/24 19 83

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT
STATE OF WASHINGTON

24/02-02M
Application No.
Permit No.

(1) OWNER: Name Port Blakely Tree farms Address 820 Logan Building Seattle Wa. 98101

(2) LOCATION OF WELL: County Kitsap NW ¼ SW ¼ Sec 2 T 24 N R 2 E W.M.
Bearing and distance from section or subdivision corner 24/2E-2M

(3) PROPOSED USE: Domestic ☐ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

(4) TYPE OF WORK: Owner's number of well (if more than one) #1
New well ☒ Method: Dug ☐ Bored ☐
Deepened ☐ Cable ☒ Driven ☐
Reconditioned ☐ Rotary ☐ Jetted ☐

(5) DIMENSIONS: Diameter of well 8 inches.
Drilled 91 ft. Depth of completed well 91 ft.

(6) CONSTRUCTION DETAILS:
Casing installed: 8 " Diam. from 0 ft. to 91 ft.
Threaded ☐ " Diam. from ft. to ft.
Welded ☒ " Diam. from ft. to ft.

Perforations: Yes ☐ No ☒
Type of perforator used
SIZE of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

Screens: Yes ☐ No ☒
Manufacturer's Name
Type Model No.
Diam. Slot size from ft. to ft.
Diam. Slot size from ft. to ft.

Gravel packed: Yes ☐ No ☒ Size of gravel:
Gravel placed from ft. to ft.

Surface seal: Yes ☒ No ☐ To what depth? 22 ft.
Material used in seal Bentonite
Did any strata contain unusable water? Yes ☐ No ☐
Type of water? Depth of strata
Method of sealing strata off

(7) PUMP: Manufacturer's Name
Type: H.P.

(8) WATER LEVELS: Land-surface elevation above mean sea level ft.
Static level ft. below top of well Date
Artesian pressure lbs. per square inch Date
Artesian water is controlled by (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☐ No ☐ If yes, by whom?
Yield: gal./min. with ft. drawdown after hrs.
" " " "
" " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test
Bailer test gal./min. with ft. drawdown after hrs.
Artesian flow g.p.m. Date
Temperature of water Was a chemical analysis made? Yes ☐ No ☐

(10) WELL LOG:
Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL	FROM	TO
Brn. Soil & Gravel	0	4
Brn. Clay & Gravel	4	15
Blue Green Clay & Gravel	15	20
Blue Green Clay	20	80
Greenish Brn. Clay & Shale	80	91

Hole Dry
Entire hole in Blakely Formation

RECEIVED
SEP 28 1987
DEPT OF ECOLOGY

Work started 8-4 19 87 Completed 8-5 19 87

WELL DRILLER'S STATEMENT:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME Burt Well Drilling, Inc
(Person, firm, or corporation) (Type or print)
Address 19782 N.E. Lincoln Poulsbo, Wa. 98370
[Signed] George D. Burt
(Well Driller)
License No. 0048 Date 9-22 19 87

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

Well Owned for C. W. Wiley at Port Madison about 1932.

WATER WELL REPORT

STATE OF WASHINGTON

WRC 36-02/34K
6828

Application No. NONE

Permit No. NONE

(1) OWNER: Name John Hare Farm Address Box 8801 Rt 5 Bainbridge Isl. Wn. 98110

(2) LOCATION OF WELL: County Kitsap ¼ ¼ Sec. T. N., R. W.M.

Bearing and distance from section or subdivision corner 1325'E & 1385'So NW Cor Govt Lot 5 Sec 34 T25N R2E

(3) PROPOSED USE: Domestic ☒ Industrial ☐ Municipal ☐
Irrigation ☒ Test Well ☐ Other ☐

(4) TYPE OF WORK: Owner's number of well (if more than one)
New well ☐ Method: Dug ☐ Bored ☒
Deepened ☐ Cable ☐ Driven ☐
Reconditioned ☐ Rotary ☐ Jetted ☐

(5) DIMENSIONS: Diameter of well 4½" inches.
Drilled 1005' ft. Depth of completed well 1005' ft.

(6) CONSTRUCTION DETAILS: See

Casing installed: 4½" Diam. from 0 ft. to 208 ft.
Threaded ☐ 4" Diam. from 200 ft. to 677 ft.
Welded ☐ 2½" Diam. from 670 ft. to 1005 ft.

Perforations: Yes ☒ No ☐
Type of perforator used unknown
SIZE of perforations unknown in. by in.
perforations from 800 ft. to 1005 ft.
perforations from ft. to ft.
perforations from ft. to ft.

Screens: Yes ☐ No ☐ Unknown
Manufacturer's Name
Type Model No.
Diam. Slot size from ft. to ft.
Diam. Slot size from ft. to ft.

Gravel packed: Yes ☐ No ☒ Size of gravel:
Gravel placed from ft. to ft.

Surface seal: Yes ☑ No ☐ To what depth? unknown ft.
Material used in seal CEMENT
Did any strata contain unusable water? Yes ☐ No ☐ unknown - but I believe several layers of limited flow were reached. This is only hearsay evidence from "old timers"
Type of water? Sand ? Depth of strata
Method of sealing strata off Casing

(7) PUMP: Manufacturer's Name None
Type: H.P.

(8) WATER LEVELS: Land-surface elevation above mean sea level 10' ft.
Static level ft. below top of well Date
Artesian pressure 5-10 ? lbs. per square inch Date 1-72
Artesian water is controlled by VALVE (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☐ unknown No ☐ If yes, by whom?
Yield: gal./min. with ft. drawdown after hrs.
" " " "
" " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test
Bailer test gal./min. with ft. drawdown after hrs.
Artesian flow 30 g.p.m. Date 1932 ?
Temperature of water 54°F Was a chemical analysis made? Yes ☐ No ☐ unknown No record.

(10) WELL LOG:

Formation: *Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.*

MATERIAL	FROM	TO
Cement Gravel	0	-19'
Gray sand	-19	-23
Gravel & sand	23	45
Sand & clay	45	95
Clay	95	290
Cement Gravel	290	305
Fine sand	305	333
Blue clay	333	451
Sand	451	478
Clay & Gravel	478	561
Sandy Clay	561	585
Rock	585	590
Sandy clay	590	610
Gravel	610	623
Sand, rock or clay	623	685
Sand	685	790
Cement Sand & Gravel	790	860
Sand	860	883
Sand & Shale	883	898
Sand	898	995
Shale	995	1005
— Above taken from original well log — A copy is available. No date on log.		

Work started 19 Completed 1932 ? 19

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.
(1931 or 1932)

NAME N.C. JANNSEN DRILLING CO.
(Person, firm, or corporation) (Type or print)

Address 9107 E. Marginal Way - Seattle

[Signed]
(Well Driller)

License No. Date 19

(USE ADDITIONAL SHEETS IF NECESSARY)

S. F. No. 7356—OS—(Rev. 4-71).

3

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

AAA184

WELL CHARACTERISTICS

Physical Description of Well (size of casing, type of well, housing, etc.): drilled well, artesian with 4" pipe attached to well head

Location of Well Identification Tag: on 4" pipe attached to well [redacted] casing

Was Supplemental Tag needed for ease of identifying well?

☑ NO ☐ YES

Scale 1:24,000 (1"=2,000')

D	C	B	A
E	F	G	H
M	L	K	J
N	P	Q	R

Indicate the location of the well within the Section by drawing a dot at that point.

SECTION 34L

COMMENTS:

FOR ECOLOGY USE ONLY

WATER WELL REPORT

STATE OF WASHINGTON

Application No. 26/02E-34L01

Permit No. #68770

Owner's Copy / Department of Ecology Copy

Name [illegible] Address Box 2561 KTX- BAINBRIDGE ISL. WA 98110

LOCATION OF WELL: County KITSAP — ¼ ¼ Sec — T — N, R — WM

Additional distance from section or subdivision corner 132.5' E & 1365' S NW Cor Govt Lot 5 Sec 34 TWSP 26N RANGE 2E

(1) PROPOSED USE: Domestic ☑ Industrial ☐ Municipal ☐ Irrigation ☐ Test Well ☐ Other ☐

(4) TYPE OF WORK: Owner's number of well (if more than one)

New well ☐ Method Dug ☐ Bored ☑

Deepened ☐ Cable ☐ Driven ☐

Reconditioned ☐ Rotary ☐ Jetted ☐

(5) DIMENSIONS: Diameter of well 2 1/2 inches

Drilled 1005' ft Depth of completed well 1005' ft

(6) CONSTRUCTION DETAILS: See

Casing installed: 4 1/2" Diam from 0 ft to 208 ft

Threaded ☐ 4" Diam from 100 ft to 677 ft

Welded ☐ 3 1/4" Diam from 670 ft to 1005 ft

Perforations: Yes ☑ No ☐

Type of perforator used Unknown

SIZE of perforations Unknown in by in

perforations from 200 ft to 1005 ft

perforations from ft to ft

perforations from ft to ft

Screens: Yes ☐ No ☐ Unknown

Manufacturer's Name

Type Model No

Diam Slot size from ft to ft

Diam Slot size from ft to ft

Gravel packed: Yes ☐ No ☑ Size of gravel

Gravel placed from ft to ft

Surface seal: Yes ☑ No ☐ To what depth? Unknown ft

Material used in seal Neat

Did any strata contain unusable water? Yes ☐ No ☐

Type of water? Depth of strata

Method of sealing strata off Casing

(7) PUMP: Manufacturer's Name None

Type H.P.

(8) WATER LEVELS: Land-surface elevation above mean sea level 101' ft

Static level ft below top of well Date

Artesian pressure lbs per square inch Date 1-78

Artesian water is controlled by (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level

Was a pump test made? Yes ☐ No ☐ If yes, by whom?

Yield gal/min with ft drawdown after hrs

" " " "

" " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Type of test

Bailer test gal/min with ft drawdown after hrs

Artesian flow ppm Date

Temperature of water Was a chemical analysis made? Yes ☐ No ☐

(10) WELL LOG: ↑ ?

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation

MATERIAL	FROM	TO
Gravel Gravel	0	19
Hardpan	19	23
Sand & Gravel	23	45
Sand & Clay	45	48
Clay	48	240
Hardpan Gravel	240	308
Fine sand	308	333
Blue Clay	333	451
Sand	451	478
Blue Gravel	478	521
Sand	521	585
Rock	585	590
Sandy Clay	590	610
Gravel	610	623
Sand Gravel & Clay	623	685
Sand	685	790
Blue Clay Gravel	790	860
Sand	860	883
Blue Clay	883	898
Blue Clay Gravel	898	995
Clay	995	1005
Water Tight Cement Well Cap		
Set Steel Well Under Ground		
Total depth of completed well		
Water encountered - Hard & Thin Layers		
Static water level 101 ft below top of casing		

Long

Lat

Elev

Topo: Sandy Loam

Diagram Illegible

Scale

26/02E-34L1

Already in GWSI

As:

472021223152D1

Work started , 19 Co

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief

NAME (Person, firm, or corporation) (Type or print)

Address

[Signed] (Well Driller)

License No Date , 19

AAA184

The Department of Ecology does NOT Warrant the Data and/or the Information on this Well Report.

USGS

KITSAP COUNTY PUD #1
PRIVATE WELL/CONSERVATION PROGRAM

LAB NO. 779 map 2/58

COUNT NO. _____ DIV. _____

CUSTOMER NAME (PLEASE PRINT) John (FIRST) Powell (LAST)

ADDRESS WHERE SHOWERHEAD INSTALLED:

STREET 15254 Broom St. NE UNIT # _____

CITY Bainbridge Is STATE WA ZIP 98110

CUSTOMER'S SIGNATURE J H Powell DATE 4/21/92

QUANTITY	BRAND	PROGRAM/DELIVERY METHOD
5	Ondine Showerhead	(4) Business Office
1	Kitchen Aerator	(1) Single Family
4	Bath Aerator	_____ (4) Contractor Installed

PUD ACCT #0 00900 WELL ID # AAA184 LOCAL # 24N/02E-~~28G~~ 34L

ELEVATION 8' topo 9' altim LATITUDE/LONGITUDE 47° 42.05 N / 122° 31.88 W

DUG(D) _____ DRILLED(W) artesian SPRING(S) _____

PDOP 3-7 Sat 14 15 19 4 9 9

ORIGINAL OWNER _____ DRILLER _____

YEAR DRILLED _____ WELL DEPTH _____

PHONE # 842-4140 TIME BEGAN 10:40 TIME COMPLETED 11:21

DESCRIPTION OF MEASURING PT. (MP) artesian no sounding possible

HEIGHT OF MP ABOVE/BELOW LAND SURFACE / BacT A

DEPTH TO WATER BELOW MP / DEPTH TO WATER BELOW LS /

TEMPERATURE 56.9 SPECIFIC CONDUCTIVITY 226 ph 8.45

Nitrate mg/L 0.6 Fe mg/L 0.06 Mn mg/L 0.033

COLOR clear ODOR very slight sulfur APPEARANCE normal

SAMPLING POINT DESCRIPTION hose bib on well head

REMARKS ok

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

25/02 -20B

File Original and First Copy with Department of Ecology
Second Copy -- Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT

STATE OF WASHINGTON

Application No. ....

Permit No. ....

(1) OWNER: Name Phil Kitten Address 2624 SW 161st pl Lynnwood 98166

(2) LOCATION OF WELL: County Kitsap NW ¼ NE ¼ Sec. 20 T. 25 N., R. 2E W.M.

Bearing and distance from section or subdivision corner

(3) PROPOSED USE: Domestic [X] Industrial [ ] Municipal [ ]
Irrigation [ ] Test Well [ ] Other [ ]

(4) TYPE OF WORK: Owner's number of well (if more than one) ....
New well [X] Method: Dug [ ] Bored [ ]
Deepened [ ] Cable [X] Driven [ ]
Reconditioned [ ] Rotary [ ] Jetted [ ]

(5) DIMENSIONS: Diameter of well 6 inches.
Drilled 40 ft. Depth of completed well 40 ft.

(6) CONSTRUCTION DETAILS:

Casing installed: ... " Diam. from ... ft. to ... ft.
Threaded [ ] ... " Diam. from ... ft. to ... ft.
Welded [X] 6 " Diam. from 0 ft. to 35 ft.

Perforations: Yes [ ] No [X]
Type of perforator used ....
SIZE of perforations ... in. by ... in.
... perforations from ... ft. to ... ft.
... perforations from ... ft. to ... ft.
... perforations from ... ft. to ... ft.

Screens: Yes [X] No [ ] Johnson
Manufacturer's Name ....
Type Stainless Model No. ....
Diam. ... Slot size ... from ... ft. to ... ft.
Diam. 6 Slot size 10 from 35 ft. to 40 ft.

Gravel packed: Yes [ ] No [X] Size of gravel: ....
Gravel placed from ... ft. to ... ft.

Surface seal: Yes [X] No [ ] To what depth? 20 ft.
Material used in seal Bentonite
Did any strata contain unusable water? Yes [ ] No [X]
Type of water? ... Depth of strata ....
Method of sealing strata off ....

(7) PUMP: Manufacturer's Name Sta-Rite
Type: Jet H.P. ½

(8) WATER LEVELS: Land-surface elevation above mean sea level .... ft.
Static level 2 ft. below top of well Date 8-2-84
Artesian pressure ... lbs. per square inch Date ....
Artesian water is controlled by ... (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes [X] No [ ] If yes, by whom? Driller
Yield: 15 gal./min. with 20 ft. drawdown after 4 hrs.
" " " " " "
" " " " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test ....
Bailer test 15 gal./min. with 20 ft. drawdown after 2 hrs.
Artesian flow ... g.p.m. Date ....
Temperature of water .... Was a chemical analysis made? Yes [ ] No [X]

(10) WELL LOG:

Formation: *Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.*

MATERIAL		FROM	TO
Top soil	Brown	0	2
Hardpan - Sandy	"	2	20
Hardpan	Gray	20	24
Clay - Sandy	Blue	24	28
Sand & Gravel	"	28	40

Work started July 27, 19 84 Completed Aug. 2, 19 84

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME EASTREE DRILLING CO.
(Person, firm, or corporation) (Type or print)

Address 33349 EGLIN RD NE, KINGSTON

[Signed] Jerry Crabtree
(Well Driller)

License No. 52 Date Aug. 4, 1984

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

24-2E-3D

WATER WELL REPORT

Original & 1st copy - Ecology, 2nd copy - owner, 3rd copy - driller

Construction/Decommission ("x" in circle) 139656
(X) Construction
( ) Decommission *ORIGINAL CONSTRUCTION Notice of Intent Number*_____

CURRENT Notice of Intent No. W168697

Unique Ecology Well ID Tag No. AHB490

Water Right Permit No. G1-25158P

Property Owner Name ROSS ABBOTT

Well Street Address 4691 BLAKELY HEIGHTS DRIVE NE

City BAINBRIDGE ISLAND County: KITSAP

Location NW 1/4- 1/4 NW 1/4 Sec 3 Twn 24 R 2E EWM or WWM *circle one*

Lat/Long: (s,t,r still REQUIRED) Lat Deg _____ Lat Min/Sec _____ Long Deg _____ Long Min/Sec _____

Tax Parcel No. 4707-000-003-0005

PROPOSED USE: (X) Domestic ( ) Industrial ( ) Municipal ( ) DeWater ( ) Irrigation ( ) Test Well ( ) Other_____

TYPE OF WORK: Owner's number of well (if more than one)_____
( ) New Well ( ) Reconditioned *Method* ( ) Dug ( ) Bored ( ) Driven
(X) Deepened (X) Cable ( ) Rotary ( ) Jetted

DIMENSIONS: Diameter of well 6 inches, drilled 35 ft
Depth of completed well 187 ft

CONSTRUCTION DETAILS
Casing Installed: (X) Welded 6" Diam. from 152 ft to 173 ft
( ) Liner installed _____" Diam from _____ ft to _____ ft
( ) Threaded _____" Diam from _____ ft to _____ ft

Perforations: ( ) Yes (X) No
Type of perforator used_____
SIZE of perfs____in by____in and no of perfs____ from____ft to____ft

Screens: (X) Yes ( ) No (X) K-Pac Location TOP
Manufacturer's Name JOHNSON
Type STAINLESS STEEL Model No _____
Diam 6 Slot Size 20 from 172 ft to 177 ft
Diam 6 Slot Size 8 from 177 ft to 187 ft

Gravel/Filter packed: ( ) Yes (X) No ( ) Size of gravel/sand_____
Materials placed from_____ft to_____ft.

Surface Seal: (X) Yes ( ) No To what depth? 18 ft
Materials used in seal BENTONITE
Did any strata contain unusable water? ( ) Yes (X) No
Type of water?_____ Depth of strata_____
Method of sealing strata off_____

PUMP: Manufacturer's Name GOULDS
Type SUBMERSIBLE 10LS10 HP 1

WATER LEVELS: Land-surface elevation above mean sea level_____ft
Static level 150.8 ft below top of well Date 8/22/03
Artesian pressure_____lbs per square inch Date_____
Artesian water is controlled by_____ (cap,valve, etc)

WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? (X) Yes ( ) No If yes, by whom? GRESHAM
Yield 15 gal/min with 9.8 ft drawdown after 1+ hrs
Yield _____gal/min with_____ft drawdown after_____hrs
Yield _____gal/min with_____ft drawdown after_____hrs
Recovery data (time taken as zero when pump turned off)(water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level
FULL RECOV. IN 13 MIN.					

Date of test 8/22/03
Bailer test 14 gal/min with 18 ft drawdown after 1 hrs
Airtest _____gal/min with stem set at_____ft for_____hrs
Artesian flow_____g p m Date_____
Temperature of water____Was a chemical analysis made? (X) Yes ( ) No

CONSTRUCTION OR DECOMMISSION PROCEDURE
Formation Describe by color, character, size of material and structure, and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of information Indicate all water encountered (USE ADDITIONAL SHEETS IF NECESSARY)

MATERIAL	FROM	TO
BROWN SILTY SAND & GRAVEL	157	162
BROWN SILTY SAND & GRAVEL, SEEP.	162	172
BROWN COARSE SAND & GRAVEL, H2O	172	178
GRAY GRAVELLY HARDPAN	178	180
GRAY SILTY FINE SAND, H2O	180	181
BROWN SAND & GRAVEL, H2O	181	182
GRAY SAND & GRAVEL, H2O	182	187
"SEE ATTACHED EXIST. WELL REPORT"		

RECEIVED
OCT 0 9 2003
DEPT OF ECOLOGY

Start Date 8/15/03 Completed Date 8/19/03

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

(X) Driller ( ) Engineer ( ) Trainee Name (Print) CRAIG A. GRESHAM
Driller/Engineer/Trainee Signature _____
Driller or Trainee License No. 0761

Drilling Company GRESHAM WELL DRILLING INC
Address P.O. BOX 1600
City, State, Zip POULSBO, WA 98370-0195
Contractor's Registration No. GRESHWD055BC Date 8/23/03

If trainee, licensed driller's Signature and License no._____

Ecology is an Equal Opportunity Employer ECY 050-1-20 (Rev 4/01)

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

G1-24[illegible] 1-11-88
24/0c-ps D

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT
STATE OF WASHINGTON

Application No
Permit No.

(1) OWNER: Name Mr. Ross Abbott Address 4691 Blakely Heights Dr. N.E. B.I. 98110

(2) LOCATION OF WELL: County Kitsap NW ¼ NW ¼ Sec. 3 T. 24 N., R. 2E W.M.
Bearing and distance from section or subdivision corner "Blakely Heights Drive N.E." Lot 3

(3) PROPOSED USE: Domestic [X] Industrial [ ] Municipal [ ]
Irrigation [ ] Test Well [ ] Other [ ]

(4) TYPE OF WORK: Owner's number of well (if more than one)
New well [X] Method: Dug [ ] Bored [ ]
Deepened [ ] Cable [X] Driven [ ]
Reconditioned [ ] Rotary [ ] Jetted [ ]

(5) DIMENSIONS: Diameter of well 6 inches.
Drilled 157 ft. Depth of completed well 157 ft.

(6) CONSTRUCTION DETAILS:

Casing installed: 6 " Diam. from 0 ft. to 152 ft.
Threaded [ ] " Diam. from ft. to ft.
Welded [X] " Diam from ft. to ft.

Perforations: Yes [ ] No [X]
Type of perforator used
SIZE of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft
perforations from ft. to ft.

Screens: Yes [X] No [ ]
Manufacturer's Name Johnson
Type stainless steel Model No.
Diam. 6 Slot size 20 from 152 ft to 157 ft.
Diam Slot size from ft. to ft.

Gravel packed: Yes [ ] No [X] Size of gravel.
Gravel placed from ft to ft.

Surface seal: Yes [X] No [ ] To what depth? 18 ft.
Material used in seal Bentonite
Did any strata contain unusable water? Yes [ ] No [X]
Type of water? Depth of strata
Method of sealing strata off

(7) PUMP: Manufacturer's Name Goulds
Type: submersible H.P 3/4

(8) WATER LEVELS: Land-surface elevation above mean sea level. 200 ft.
Static level 133 ft below top of well Date 12/7/87
Artesian pressure lbs. per square inch Date
Artesian water is controlled by (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes [ ] No [ ] If yes, by whom?
Yield gal /min. with ft. drawdown after hrs.

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test
Bailer test. 30+ gal./min. with 4 ft. drawdown after 2 hrs.
Artesian flow g.p.m. Date
Temperature of water 50 Was a chemical analysis made? Yes [ ] No [X]

(10) WELL LOG:

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL	FROM	TO
Overburden	0	3
Brown gravelly till	3	15
Grey gravelly till	15	21
Blue gravelly till w/boulders	21	38
Blue clay	38	67
Brown gravelly till	67	153
Sand & gravel H20	153	157

RECEIVED FEB 1988

Work started 12/3, 19 87 Completed 12/7, 19 87

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME Gresham WEll Drilling
(Person, firm, or corporation) (Type or print)

Address 3105 N.W. Lakeness Rd. Poulsbo 98370

[Signed] (Well Driller)

License No. 0761 Date 12/14, 19 87

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1 20

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT
STATE OF WASHINGTON

Application No. 21052-34K
Permit No.

(1) OWNER: Name Robert Avery Address 5357 McDonald Ave. Bainb. Isl. 98110

(2) LOCATION OF WELL: County Kitsap S½ of NE¼ NW¼ SE¼ Sec. 34 T. 25 N., R. 2E W.M.
Bearing and distance from section or subdivision corner

(3) PROPOSED USE: Domestic ☒ Industrial ☐ Municipal ☐ Irrigation ☐ Test Well ☐ Other ☐

(4) TYPE OF WORK: Owner's number of well (if more than one)
New well ☒ Method: Dug ☐ Bored ☐
Deepened ☐ Cable ☒ Driven ☐
Reconditioned ☐ Rotary ☐ Jetted ☐

(5) DIMENSIONS: Diameter of well 6 inches.
Drilled 207 ft. Depth of completed well 207 ft.

(6) CONSTRUCTION DETAILS:
Casing installed: 6" Diam. from 0 ft. to 202 ft.
Threaded ☐ " Diam. from ft. to ft.
Welded ☒ " Diam. from ft. to ft.

Perforations: Yes ☐ No ☒
Type of perforator used
SIZE of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

Screens: Yes ☒ No ☐
Manufacturer's Name Johnson
Type Stainless Steel Model No.
Diam. 6" Slot size #4 from 197 ft. to 207 ft.
Diam. Slot size from ft. to ft.

Gravel packed: Yes ☐ No ☒ Size of gravel
Gravel placed from ft. to ft.

Surface seal: Yes ☒ No ☐ To what depth? 22 ft.
Material used in seal Bentonite
Did any strata contain unusable water? Yes ☐ No ☐
Type of water? Depth of strata
Method of sealing strata off

(7) PUMP: Manufacturer's Name Flint & Walling
Type: Submersible H.P. 3/4

(8) WATER LEVELS: Land-surface elevation above mean sea level ft.
Static level 105 ft. below top of well Date 6-12-84
Artesian pressure lbs. per square inch Date
Artesian water is controlled by (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☐ No ☐ If yes, by whom?
Yield: gal./min. with ft. drawdown after hrs.
" " " "
" " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test
Bailer test 9 gal./min. with 75 ft. drawdown after 4 hrs.
Artesian flow g.p.m. Date
Temperature of water Was a chemical analysis made? Yes ☐ No ☐

(10) WELL LOG:
Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL	FROM	TO
Clay & Gravel	0	14
Sand	14	36
Brown Silt & Sand	36	130
Blue Clay & Sand	130	162
fine Blue Sand	162	168
Grey Clay & Sand	168	186
yellow Clay	186	197
fine Blue Sand & water	197	207

RECEIVED
AUG 13 1984
DEPARTMENT OF ECOLOGY
NORTHWEST REGION

Work started 6-6, 19 84 Completed 6-12, 19 84

WELL DRILLER'S STATEMENT:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME Burt Well Drilling, Inc. (Person, firm, or corporation) (Type or print)
Address 19282 N.E. Lincoln Rd. Poulsbo, Wa. 98370
[Signed] George Burt (Well Driller)
License No. 0018 Date 7-10, 1984

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20

25/02-17M

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT

STATE OF WASHINGTON

Application No. .....

Permit No. .....

(1) OWNER: Name Mrs. Robert Boyce Address 4917 NE Toko Rd, Bainbridge Island

(2) LOCATION OF WELL: County Kitsap SW¼ - NW¼ SW¼ Sec. 17 T. 25 N., R. 2E W.M.

Bearing and distance from section or subdivision corner

(3) PROPOSED USE: Domestic [X] Industrial [ ] Municipal [ ]
Irrigation [ ] Test Well [ ] Other [ ]

(4) TYPE OF WORK: Owner's number of well (if more than one) .....
New well [X] Method: Dug [ ] Bored [ ]
Deepened [ ] Cable [X] Driven [ ]
Reconditioned [ ] Rotary [ ] Jetted [ ]

(5) DIMENSIONS: Diameter of well 6 inches.
Drilled 59 ft. Depth of completed well 59 ft.

(6) CONSTRUCTION DETAILS:

Casing installed: 6 " Diam. from 0 ft. to 54 ft.
Threaded [ ] " Diam. from ..... ft. to ..... ft.
Welded [X] " Diam. from ..... ft. to ..... ft.

Perforations: Yes [ ] No [X]
Type of perforator used .....
SIZE of perforations ..... in. by ..... in.
..... perforations from ..... ft. to ..... ft.
..... perforations from ..... ft. to ..... ft.
..... perforations from ..... ft. to ..... ft.

Screens: Yes [X] No [ ] Johnson
Manufacturer's Name .....
Type Stainless Model No. .....
Diam. 6 Slot size 14 from 54 ft. to 59 ft.
Diam. ..... Slot size ..... from ..... ft. to ..... ft.

Gravel packed: Yes [ ] No [X] Size of gravel: .....
Gravel placed from ..... ft. to ..... ft.

Surface seal: Yes [X] No [ ] To what depth? 18 ft.
Material used in seal Bentonite
Did any strata contain unusable water? Yes [ ] No [X]
Type of water? ..... Depth of strata .....
Method of sealing strata off .....

(7) PUMP: Manufacturer's Name Starite ½
Type: Pump H.P. .....

(8) WATER LEVELS: Land-surface elevation above mean sea level 20 ft.
Static level 20 ft. below top of well Date 12/27/77
Artesian pressure ..... lbs. per square inch Date .....
Artesian water is controlled by ..... (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes [X] No [ ] If yes, by whom? Driller
Yield: 12 gal./min. with 20 ft. drawdown after 3 hrs.
" " " " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test .....
Bailer test 10 gal./min. with 16 ft. drawdown after ..... hrs.
Artesian flow ..... g.p.m. Date .....
Temperature of water ..... Was a chemical analysis made? Yes [ ] No [X]

(10) WELL LOG:

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL	FROM	TO
Top soil Black	0	3
Hard pan Brown	3	14
Clay Blue	14	52
Hard pan Gray	52	55
Sand, gravel, water	55	59

Work started Dec. 19, 19 77 Completed Dec. 23, 19 77

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME CRABTREE DRILLING CO.
(Person, firm, or corporation) (Type or print)

Address 23349 Eglon Rd. N.E. Kingston

[Signed] Jerry D. Crabtree
(Well Driller)

License No. 223-02 Date Dec. 29, 19 77

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

ENTERED

WATER WELL REPORT

STATE OF WASHINGTON

Start Card No. W053925

UNIQUE WELL I.D. # N/A

Water Right Permit No. 25/2E 135-A

(1) **OWNER:** Name RACHEL S. CANTWELL Address 4901 NEW SWEDEN AVE.,BAIN.ISLAND,WA 98110

(2) **LOCATION OF WELL:** County KITSAP SW 1/4 SW 1/4 Sec 35 T. 25 N., R 2E W.M.

(2a) **STREET ADDRESS OF WELL** (or nearest address) 4901 NEW SWEDEN AVENUE

(3) **PROPOSED USE:** [X] Domestic [ ] Industrial [ ] Municipal [ ] Irrigation [ ] Test Well [ ] Other [ ] DeWater

(4) **TYPE OF WORK:** Owner's number of well (if more than one) _____
Abandoned [ ] New well [X] Method: Dug [ ] Bored [ ] Deepened [ ] Cable [X] Driven [ ] Reconditioned [ ] Rotary [ ] Jetted [ ]

(5) **DIMENSIONS:** Diameter of well 6 inches. Drilled 858 feet. Depth of completed well 858 ft.

(6) **CONSTRUCTION DETAILS:**
Casing Installed: 6 " Diam. from 0 ft. to 857 ft.
Welded XX
Liner installed [ ] " Diam. from _____ ft. to _____ ft.
Threaded [ ] " Diam. from _____ ft. to _____ ft.

Perforations: Yes [ ] No [XX]
Type of perforator used _____
SIZE of perforations _____ in. by _____ in.
_____ perforations from _____ ft. to _____ ft.
_____ perforations from _____ ft. to _____ ft.
_____ perforations from _____ ft. to _____ ft.

Screens: Yes [ ] No [XX]
Manufacturer's Name _____
Type _____ Model No. _____
Diam. _____ Slot size _____ from _____ ft. to _____ ft.
Diam. _____ Slot size _____ from _____ ft. to _____ ft.

Gravel packed: Yes [XX] No [ ] Size of gravel PEA
Gravel placed from 855 ft. to 858 ft.

Surface seal: Yes [X] No [ ] To what depth? 18 ft.
Material used in seal BENTONITE
Did any strata contain unusable water? Yes [ ] No [X]
Type of water? _____ Depth of strata _____
Method of sealing strata off _____

(7) **PUMP:** Manufacturer's Name NONE AT TIME
Type: _____ H.P. _____

(8) **WATER LEVELS:** Land-surface elevation above mean sea level _____ ft.
Static level 205 ft. below top of well Date 7/17/95
Artesian pressure _____ lbs. per square inch Date _____
Artesian water is controlled by _____ (Cap, valve, etc.)

(9) **WELL TESTS:** Drawdown is amount water level is lowered below static level
Was a pump test made? Yes [ ] No [XX] If yes, by whom? _____
Yield: _____ gal./min. with _____ ft. drawdown after _____ hrs.
" " " "
" " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Data of test _____
Bailer test 2 gal./min. with 626 ft. drawdown after 2 hrs.
Airtest _____ gal./min. with stem set at _____ ft. for _____ hrs.
Artesian flow _____ g.p.m. Date _____
Temperature of water 50 Was a chemical analysis made? Yes [ ] No [X]

(10) **WELL LOG or ABANDONMENT PROCEDURE DESCRIPTION**

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of information.

MATERIAL	FROM	TO
BROWN OVERBURDEN	0	1
BROWN SANDY LOAM	1	3
BROWN SILTY CLAY	3	32
GRAY CLAY	32	94
GRAY SILT	94	113
GRAY CLAY	113	138
GRAY SANDY CLAY	138	163
GRAY CLAY	163	575
GRAY GRAVELLY CLAY	575	586
GRAY SILTY CLAY	586	607
GRAY CLAY	607	712
GRAY GRAVELLY CLAY	712	727
GRAY CLAY	727	765
GRAY SILTY CLAY	765	785
GRAY SANDY CLAY	785	792
GRAY GRAVELLY CLAY	792	794
GRAY GRAVELLY TILL	794	835
GRAY GRAVELLY STICKY CLAY	835	840
GRAY GRAVELLY TILL,SEAMS H20	840	858

RECEIVED
AUG 22 1995
DEPT. OF ECOLOGY

Work Started 6/06/95 19. Completed 7/17/95 19

WELL CONSTRUCTOR CERTIFICATION:

I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

NAME GRESHAM WELL DRILLING, INC. (PERSON, FIRM, OR CORPORATION) (TYPE OR PRINT)

Address 3105 NW LAKENESS RD.,POULSBO,WA 98370

(Signed) _____ (WELL DRILLER) License No. 0761

Contractor's Registration No. GRESHWD055BC Date 7/26/95 19

(USE ADDITIONAL SHEETS IF NECESSARY)

Ecology is an Equal Opportunity and Affirmative Action employer. F cial accommodation needs, contact the Water Resources Program 407-6600. The TDD number is (206) 407-6006.

ECY 050-1-20 (9/93)

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

25/02-20 C

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT
STATE OF WASHINGTON

Application No. . .
Permit No. . .

(1) **OWNER:** Name Ron Comer Address 9191 Olympus Beach Rd NE, Bainbridge Island

(2) **LOCATION OF WELL:** County Kitsap NW ¼ – NE ¼ NW ¼ Sec 20 T 25 N., R 2 E W.M.

Bearing and distance from section or subdivision corner

(3) **PROPOSED USE:** Domestic [X] Industrial [ ] Municipal [ ]
Irrigation [ ] Test Well [ ] Other [ ]

(4) **TYPE OF WORK:** Owner's number of well (if more than one) . . .
New well [X] Method: Dug [ ] Bored [ ]
Deepened [ ] Cable [X] Driven [ ]
Reconditioned [ ] Rotary [ ] Jetted [ ]

(5) **DIMENSIONS:** Diameter of well 6 inches.
Drilled 152 ft. Depth of completed well 152 ft.

(6) **CONSTRUCTION DETAILS:**

Casing installed: . . . " Diam. from . . . ft. to . . . ft.
Threaded [ ] . . . " Diam. from . . . ft. to . . . ft.
Welded [X] 6 " Diam. from 0 ft. to 147 ft.

Perforations: Yes [ ] No [X]
Type of perforator used . . .
SIZE of perforations . . . in. by . . . in.
. . . perforations from . . . ft. to . . . ft.
. . . perforations from . . . ft. to . . . ft.
. . . perforations from . . . ft. to . . . ft.

Screens: Yes [X] No [ ] Johnson
Manufacturer's Name . . .
Type Stainless Model No. . .
Diam. . . Slot size . . . from . . . ft. to . . . ft.
Diam. 6 Slot size 12 from 147 ft. to 152 ft.

Gravel packed: Yes [ ] No [X] Size of gravel: . . .
Gravel placed from . . . ft. to . . . ft.

Surface seal: Yes [X] No [ ] To what depth? 19 ft.
Material used in seal Bentonite
Did any strata contain unusable water? Yes [ ] No [X]
Type of water? . . . Depth of strata . . .
Method of sealing strata off . . .

(7) **PUMP:** Manufacturer's Name Ste-Rite
Type: Sub H.P. 3

(8) **WATER LEVELS:** Land-surface elevation above mean sea level 100 ft.
Static level 122 ft. below top of well Date 3-14-81
Artesian pressure . . . lbs. per square inch Date . . .
Artesian water is controlled by . . . (Cap, valve, etc.)

(9) **WELL TESTS:** Drawdown is amount water level is lowered below static level
Was a pump test made? Yes [X] No [ ] If yes, by whom? Driller
Yield: 32 gal./min. with 13 ft. drawdown after 5½ hrs.
" " " " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test . . .
Baller test 15 gal./min. with 5 ft. drawdown after 4 hrs.
Artesian flow . . . g.p.m. Date . . .
Temperature of water . . . Was a chemical analysis made? Yes [ ] No [X]

(10) **WELL LOG:**

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL		FROM	TO
Top soil	Brown	0	5
Hard pan	"	5	21
" " Hard	"	21	56
Sand & gravel Cemented	"	56	82
Silt	Blue	82	86
Silt, sand & gravel	"	86	91
Hard Putty	Black	91	95
Till	Brown	95	99
Gravel Cemented	Brown	99	121
Sandy silt	Blue	121	131
Gravel Cemented	Gray	131	145
Sand & gravel	"	145	152
Clay	Blue	152	—

Work started Feb. 19, 1981 Completed March 14, 1981

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME CRABTREE DRILLING CO.
(Person, firm, or corporation) (Type or print)

Address 33249 Eglon Rd. N.E. Kingston

[Signed] Jerry Crabtree
(Well Driller)

License No. 82 Date March 16, 1981

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20

The Department of Ecology does NOT Warrant the Data and/or the Information on this Well Report.

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

File original and first copy with Department of Ecology
Second Copy - Owner's Copy
Third Copy - Driller's Copy

27662

WATER WELL REPORT
STATE OF WASHINGTON

Start Card No. W 01128
UNIQUE WELL I.D. # ACP 535
Water Rights Permit No.

(1) OWNER: Name: ROBERT F DAWSON Address: 17201 KINNEAR RD. NE, BAINBRIDGE ISLAND, WA 98110

(2) LOCATION OF WELL: County: KITSAP NW 1/4 of the NE 1/4, Sec. 28, Twnsp 26 N, R. 2 E W M.

(2a) STREET ADDRESS OF WELL (or nearest address) (LOT 8) AGATE STREET NE, BAINBRIDGE ISLAND, WA 98110

(3) PROPOSED USE: ☒ Domestic ☐ Test well ☐ Irrigation ☐ Municipal ☐ Industrial ☐ Dewater ☐ Other

(4) TYPE OF WORK: Owner's number of well(if more than one): 1
☐ Abandoned ☐ New well Method: ☐ Dug ☐ Bored ☒ Deepened ☒ Cable ☐ Driven ☐ Reconditioned ☐ Rotary ☐ Jetted

(5) DIMENSIONS: Diameter of well: 6 inches
Drilled 404 feet Depth of completed well 404 feet

(6) CONSTRUCTION DETAILS:
Casing installed: 6 in diam. from 108 ft. to 399 ft.
☒ Welded in diam. from ft. to ft.
☐ Liner installed in. diam from ft to ft.
☐ Threaded in diam from ft. to ft.

Perforations: Were perforations made? ☐ Yes
Perforator type:
Size of perforation in by: in.
Perforations from ft. to ft.
Perforations from. ft. to ft.

Screens: ☒ Screens installed
Manufacturer's name: FNW
Type. Telescoping
Diam. 6 in slot size .018 from 399 ft. to 404 ft.
Diam in slot size from ft. to ft.

Gravel: ☐ Yes Size of gravel: in.
Gravel Placed from. ft. to ft.

Surface seal: ☒ Yes To what depth? 18 ft.
Material used in seal: Bentonite
Did any strata contain unusable water? ☐ Yes
Type of water: Depth of strata: ft.
Method of sealing strata.

(7) PUMP: Manufacturer's name: Goulds
Type Submersible HP: 3

(8) WATER LEVELS Land-surface elevation above mean sea-level: 120 ft.
Static level: 87 ft. below top of well Date: 5/9/00
Artestian pressure: PSI Date:
Artesian water is controlled by:

(9) WELL TESTS Drawdown is amount water level is lowered below static level
Was a pump test made? ☒ Yes, by: Don Lofall
Yield: 25 GPM with 132 ft. drawdown after 4 hrs
Yield. GPM with ft drawdown after hrs
Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water level	Time	Water level	Time	Water level
10 min	114'	30 min.	91'	2 hrs.	89'
20 min.	95' 6"	1 hr	89' 3"		

Date of test: 5/9/00
Bailer test: 25 GPM with 130 ft drawdown after 3 hrs.
Air test: GPM with stem set at ft. for hrs.
Artesian flow: GPM Date
Temp. of water: deg Was a chemical analysis made? ☒ Yes

(10) WELL LOG or ABANDONMENT PROCEDURE DESCRIPTION 26-2E-28B

Formation Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least on entry for each change of information

MATERIAL	FROM	TO
GRAY SILTY SAND	118'	145'
GRAY SILTY SAND W/B	145'	176'
BLUE CLAY	176'	186'
GRAY SAND W/B	186'	186 5
BLUE CLAY	186.5	395'
GRAY SAND & GRAVEL W/B	395'	?

RECEIVED
JUL 2 5 2000
DEPT OF ECOLOGY

Work started: 4/21/00 Work completed: 5/9/00

WELL CONSTRUCTOR CERTIFICATION:
I constructed and / or accept responsibility for construction of this well, and to the compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

Contractor: LOFALL WELL DRILLING
Address. 180 NW Lofall Rd, Poulsbo, WA 98370
Signed: (Well Driller) License # 1029
Contractor's Registration No LOFALWD124C5 Date 5/4/2000

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

334520

☑ Construction ☐ Decommission — Original Installation Notice of Intent Number:

Washington State Dept. of Ecology Water Well Report

Original-Ecology, Copy 1-Owner, Copy 2-Driller

Proposed Use: ☑ Domestic ☐ Industrial ☐ Municipal ☐ DeWater ☐ Irrigation ☐ Test Well Other

Type of Work:

Owners number of well (if more than one):

☑ New Well ☐ Reconditioned ☐ Dug ☐ Bored ☐ Driven ☐ Deepened ☑ Cable ☐ Rotary ☐ Jetted

Dimensions

Diameter of well inches: 6 Feet Drilled: 87

Depth of Completed Well Ft: 87

Construction Details: **Casing Installed:**

☑ Welded 6 " Diam. from 0 ft to: 82 ft

☐ Liner " Diam from 0 ft to 0 ft

☐ Threaded 0 " Diam from 0 ft to 0 ft

Perforations: ☐ Yes ☑ No

Type of perforator used:

Perf Size 0 in by 0 in and no of perfs 0 from 0 ft to 0

Screens: ☑ Yes ☐ No ☐ K-Pac Location: 79

Manufacuters Name: STA RITE

Type: stainless Model No: super

Diam 6 Slot Size: 6 from 82 ft to 87 ft

Diam 0 Slot Size: 0 from 0 ft to 0 ft

Gravel/Filter Packed: ☐ Yes ☑ No Size of Gravel/Sand:

Materials placed from: 0 ft to 0 ft

Surface Seal ☑ Yes ☐ No To what depth? 22 ft

Material Used in Seal: bentonite

Did any strata contain unusable water? ☐ Yes ☑ No

Type of Water? Depth of strata 0 ft

Method of sealing strata off:

Pump: Manufacturers Name: STA RITE

Type: 15p submersible HP: 1

Water Levels: Land-surface elvation above mean sea level 25 ft

Static level 25 ft below top of well. Date: 3/12/2009

Artesian pressure 0 lbs per square in. Date

Artesian water is controlled by:

Well Tests:

Was a pump test made? ☑ Yes ☐ No If yes by whom? driller

Yield: 23 gal/min with 25 ft drawdown after 3 hrs

Yield: 0 gal/min with 0 ft drawdown after 0 hrs

Yield: 0 gal/min with 0 ft drawdown after 0 hrs

Time	Water Level	Time	Water Level	Time	Water Level
2:00	50	2:01	39	2:02	35
2:03	33	2:04	31	2:05	30
2:10	29		0		0

Pump Test Date: 3/13/2009

Bailer Test 18 gal/min with 25 ft drawdown after 3 hrs

Airtest 0 w/stem set at 0 ft for 0 hrs

Artesian flow 0 g.p.m Date

Temp of Water: Was a chemical analysis made? ☑ Yes ☐ No

Current:

Notice of Intent No: W272766

Unique Ecology Well ID Tag No BAF059

Water Right Permit No:

Property Owner Name: RDOB II Limited Partnership

Well Street Address: 3675 Pleasant Beach Dr. NE

City B.I. County: #18 KITSAP

Location NW 1/4-1/4 SW 1/4 Sec 3 Twn: 24N R: 2

Lat Deg: Lat Min/Sec: ☑ EWM ☐ WWM

Long Deg: Long Deg/Sec:

Tax Parcel No: 41640080060001

Construction or Decommission Procedure

Formation: Describe by color, character, size of material and structure, and the kind and nature of material in each stratum penetrated, with at least one entry for each change of information indicate all the water encountered.

Material		From	T
Topsoil		0	1
Sand & gravel cemented	brown	1	11
Hardpan sandy w/ rocks	brown	11	39
Sand & gravel cemented	brown	39	62
Sand bound w/ rocks	brown	62	74
Silt compact	blue	74	80
Sand & gravel cemented	blue	80	82
Sand & gravel w/b	blue	82	86
Clay	blue	86	
		0	0
		0	0
		0	0
		0	0
		0	0
		0	0
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RECEIVED
MAR 23 2009
Dept of Ecology
WR-NWRO

Start Date: 3/10/2009 Completed Date: 3/13/2009

Well Construction Certification: I constructed and/or accept responsibility for the construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

☑ Driller ☐ Engineer ☐ Trainee Name: Glen Crabtree

Driller/Engineer/Trainee Signature: Glen Crabtree

Driller or Trainee License No: 1443

If trainee, licensed driller's

Signature and License No.

Drill Co Name: Crabtree Well Drilling

Address: 33349 Eglon Rd NE

City,State,Zip: Kingston, WA 98346-

Contractors Registration No: CRABTDC09702 Date: 3/14/2009

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

289124

28-2E-15N

WATER WELL REPORT

Original & 1st copy - Ecology, 2nd copy - owner, 3rd copy - driller

Construction/Decommission *("x" in circle)*

- [x] Construction
- [ ] Decommission *ORIGINAL INSTALLATION*

Notice of Intent Number _____

PROPOSED USE: [x] Domestic [ ] Industrial [ ] Municipal [ ] DeWater [ ] Irrigation [ ] Test Well [ ] Other _____

TYPE OF WORK: Owner's number of well (if more than one) _____

[x] New well [ ] Reconditioned *Method:* [ ] Dug [ ] Bored [ ] Driven [ ] Deepened [ ] Cable [x] Rotary [ ] Jetted

DIMENSIONS: Diameter of well 6 inches, drilled 300 ft. Depth of completed well 285 ft.

CONSTRUCTION DETAILS

Casing Installed: [x] Welded 6 " Diam. from +1 ft. to 272.4 ft.
[ ] Liner installed _____ " Diam. from _____ ft. to _____ ft.
[ ] Threaded _____ " Diam. From _____ ft. to _____ ft.

Perforations: [ ] Yes [x] No
Type of perforator used _____
SIZE of perfs ___ in. by ___ in. and no. of perfs ___ from ___ ft. to ___ ft.

Screens: [x] Yes [ ] No [x] K-Pac Location TOP
Manufacturer's Name JOHNSON
Type STAINLESS STEEL Model No. TELESCOPING
Diam. 5 Slot size 8 from 270 ft. to 285 ft.
Diam. _____ Slot size _____ from _____ ft. to _____ ft.

Gravel/Filter packed: [ ] Yes [x] No Size of gravel/sand _____
Materials placed from _____ ft. to _____ ft.

Surface Seal: [x] Yes [ ] No To what depth? 18 ft.
Material used in seal BENTONITE
Did any strata contain unusable water? [ ] Yes [x] No
Type of water? _____ Depth of strata _____
Method of sealing strata off _____

PUMP: Manufacturer's Name GOULDS
Type: SUBMERSIBLE 18GS20 H.P. 2

WATER LEVELS: Land-surface elevation above mean sea level _____ ft.
Static level 120.7 ft. below top of well Date 01/31/08
Artesian pressure _____ lbs. per square inch Date _____
Artesian water is controlled by _____ (cap, valve, etc.)

WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? [x] Yes [ ] No If yes, by whom? GRESHAM
Yield: 29 gal./min. with 54.3 ft. drawdown after 1+ hrs.
Yield: _____ gal./min. with _____ ft. drawdown after _____ hrs.
Yield: _____ gal./min. with _____ ft. drawdown after _____ hrs.
Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level
FULL	RECOV	32	MIN		

Date of test 01/31/08
Bailer Test _____ gal./min. with _____ ft. drawdown after _____ hrs.
Airtest 40 gal./min. with stem set at 220 ft. for 1 hrs.
Artesian flow _____ g.p.m. Date _____
Temperature of water _____ Was a chemical analysis made? [x] Yes [ ] No

CURRENT

Notice of Intent No. W245814
Unique Ecology Well ID Tag No. BAT920
Water Right Permit No. N/A
Property Owner Name RAY AND DONNA RILEY
Well Street Address 9600 SUMMERHILL LANE
City BAINBRIDGE ISLAND County KITSAP
Location SW 1/4-1/4 SW 1/4 Sec 15 Twn 25 R 2E EWM [x] Check Or WWM [ ] One
(s, t, r Still REQUIRED)
Lat/Long Lat Deg _____ Lat Min/Sec _____
Long Deg _____ Long Min/Sec _____
Tax Parcel No. (Required) 152502-3-026-2002

CONSTRUCTION OR DECOMMISSION PROCEDURE

Formation: Describe by color, character, size of material and structure, and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of information. (USE ADDITIONAL SHEETS IF NECESSARY.)

MATERIAL	FROM	TO
BROWN GRAVELLY HARDPAN	0	21
GRAY GRAVELLY HARDPAN	21	78
SAND & GRAVEL	78	83
BLUE GRAVELLY CLAY	83	230
BROWN PEAT	230	236
GRAY CLAY	236	255
BROWN PEAT	255	263
GRAY SILTY SAND W/CLAY	263	271
GRAY FINE SAND, H20, LAYERED W/CLAY	271	285
GRAY CLAY	285	300

RECEIVED
FEB 19 2008
DEPT. OF ECOLOGY

Start Date 01/09/08 Completed Date 01/17/08

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

[x] Driller [ ] Engineer [ ] Trainee Name (Print) CRAIG A. GRESHAM
Driller/Engineer/Trainee Signature _____
Driller or trainee License No. _____
IF TRAINEE: Driller's License No: 0761
Driller's Signature: _____

Drilling Company GRESHAM WELL DRILLING INC
Address P.O. BOX 1600
City, State, Zip POULSBO , WA , 98370-0195
Contractor's Registration No. GRESHWD055BC Date 2/01/08

ECY 050-1-20 (Rev 4/07)

Ecology is an Equal Opportunity Employer

2 2/0 . 2 7 11

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT

STATE OF WASHINGTON BAINBridge IS Permit No.

Application No

(1) OWNER: Name Richard Ferber Address 7734 SPRING [redacted] Ridge Rd

(2) LOCATION OF WELL: County KITSAP SE ¼ NE ¼ Sec. 29 T. 25 N., R. 2 E W.M.

Bearing and distance from section or subdivision corner BAINBRIDGE ISLAND, WA.

(3) PROPOSED USE: Domestic ☒ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

(4) TYPE OF WORK: Owner's number of well (if more than one)
New well ☒ Method: Dug ☐ Bored ☐
Deepened ☐ Cable ☐ Driven ☐
Reconditioned ☐ Rotary ☐ Jetted ☐

(5) DIMENSIONS: Diameter of well 6 inches.
Drilled 355 ½ ft. Depth of completed well 358 ½ ft.

(6) CONSTRUCTION DETAILS:

Casing installed: 6 " Diam. from C ft. to 353 ft.
Threaded ☐ " Diam. from ft. to ft.
Welded ☒ " Diam. from ft. to ft.

Perforations: Yes ☐ No ☒
Type of perforator used
SIZE of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

Screens: Yes ☒ No ☐ U.G.I. JOHNSON
Manufacturer's Name
Type S Model No.
Diam. 5½ Slot size .020 from 353 ft. to 358½ ft.
Diam. Slot size from ft. to ft.

Gravel packed: Yes ☐ No ☒ Size of gravel:
Gravel placed from ft. to ft.

Surface seal: Yes ☒ No ☐ To what depth? 20 ft.
Material used in seal KENNONITE
Did any strata contain unusable water? Yes ☐ No ☒
Type of water? Depth of strata
Method of sealing strata off

(7) PUMP: Manufacturer's Name
Type: H.P.

(8) WATER LEVELS: Land-surface elevation above mean sea level ft.
Static level 233 ft. below top of well Date 7-15-81
Artesian pressure lbs. per square inch Date
Artesian water is controlled by (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☐ No ☒ If yes, by whom?
Yield: gal./min. with ft. drawdown after hrs.
" " " "
" " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test
Bailer test 70 gal./min. with 26 ft. drawdown after 4 hrs.
Artesian flow g.p.m. Date
Temperature of water Was a chemical analysis made? Yes ☐ No ☒

(10) WELL LOG:

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL	FROM	TO
TOP SOIL	0	1
BROWN GLACIAL TILL	1	15
GRAY " "	15	
& CLAY [redacted]		46
SOME SEEPAGE	46	48
GRAY G-TILL	48	51
SOME SEEPAGE AT 48'		
DRY	51	55
SEEPAGE	55	60
DRY	60	68
PACKED GRAY CLAY	68	
& SAND		76
GRAY GLACIAL TILL	76	86
GRAY CLAY	86	
SOME SEEPAGE AT 94'		358
SANDY GREY CLAY	358	352
U.S. FINE GRAY SAND	352	355½

RECEIVED
AUG 5 19[illegible]
DEPT. OF ECOLOGY
REGIONAL OFFICE
BELLEVUE, WA. 98008

Work started 6-1 19 81 Completed 7-15 19 81

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME STOCAN DRILLING CO. INC
(Person, firm, or corporation) (Type or print)

Address PORT ORCHARD, WA 98366

[Signed] (Well Driller)

License No. 0472 Date 7-24 19 81

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

25\2E\28 F

ENTERED

WATER WELL REPORT

STATE OF WASHINGTON

Start Card No. W053393
Unique Well I.D. # ABW209
Water Right Permit No.

(1) OWNER: Name FERGUSON, ROB Address 6303 18TH AVE N.E. BAINBRIDGE IS., WA 98110-

(2) LOCATION OF WELL: County KITSAP - SE 1/4 NW 1/4 Sec 28 T 25 N., R 2E WM
(2a) STREET ADDRESS OF WELL (or nearest address) 7361 ISLAND CNTR.RD. N.E., BAINBRIDGE IS.

(3) PROPOSED USE: DOMESTIC

(4) TYPE OF WORK: Owner's Number of well (If more than one) 1
NEW WELL Method: ROTARY

(5) DIMENSIONS: Diameter of well 6 inches
Drilled 180.5 ft. Depth of completed well 180.5 ft.

(6) CONSTRUCTION DETAILS:
Casing installed: 6 " Dia. from 0 ft. to 170.8 ft.
WELDED " Dia. from ft. to ft.
" Dia. from ft. to ft.

Perforations: NO
Type of perforator used
SIZE of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

Screens: YES
Manufacturer's Name HOUSTON
Type STAINLESS Model No.
Diam. 5 slot size 10 from 170.6 ft. to 175.6 ft.
Diam. 5 slot size 6 from 175.6 ft. to 180.6 ft.

Gravel packed: NO Size of gravel
Gravel placed from ft. to ft.

Surface seal: YES To what depth? 18 ft.
Material used in seal BENTONITE
Did any strata contain unusable water? NO
Type of water? Depth of strata ft.
Method of sealing strata off

(7) PUMP: Manufacturer's Name STA-RITE
Type SUBMERSIBLE H.P. 1 1/2

(8) WATER LEVELS: Land-surface elevation above mean sea level ... ft.
Static level 126.7 ft. below top of well Date 02/24/95
Artesian Pressure lbs. per square inch Date
Artesian water controlled by

(9) WELL TESTS: Drawdown is amount water level is lowered below static level.
Was a pump test made? NO If yes, by whom?
Yield: gal./min with ft. drawdown after hrs.

Recovery data
Time Water Level Time Water Level Time Water Level

Date of test / /
Bailer test gal/min. ft. drawdown after hrs.
Air test 10+ gal/min. w/ stem set at 174 ft. for .2 hrs.
Artesian flow g.p.m. Date
Temperature of water Was a chemical analysis made? NO

(10) WELL LOG

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change in formation.

MATERIAL	FROM	TO
SANDY BROWN CLAY GRAVEL	0	3
LIGHT BROWN SAND & CLAY	3	17
GREY SAND GRAVEL	17	19
GREY STICKY CLAY	19	36
GREY SILT CLAY	36	40
GREY STICKY CLAY	40	87
BROWN CLAY	87	95
BROWN SAND CLAY	95	102
BROWN CLAY GRAVEL	102	114
GRANITE	114	116
BROWN FINE SAND	116	158
HEAVING SAND FINE GRAVEL	158	169
SAND COARSE SOME GRAVEL	169	174
BROWN CLAY STREAKS GRAVEL MUDDY	174	175
FINE SAND	175	178
	178	

RECEIVED
MAR 20 1995
DEPT. OF ECOLOGY

Work started 02/21/95 Completed 02/24/95

WELL CONSTRUCTOR CERTIFICATION:
I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

NAME DUCKWORTH PUMP & DRILLING
(Person, firm, or corporation) (Type or print)

ADDRESS 18365 DIAMOND DRIVE NE

[SIGNED] Donald D. Duckworth
Licensed Driller

Contractor's
Registration No. DUCKWPW148CJ Date 03/09/95

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

proof of payment. Send the entire form and check or money order payable to Dept. of Ecology, P.O. Box [illegible], Lacey, WA 98503-0210. Do not send cash.

This notification number must be provided to your well driller: W 053393

Well Size: 1. New well less than 12" in diameter - Amount of payment $100.00
2. New well 12" in diameter, or more - Amount of payment $200.00

Amount Enclosed $ 100.00

Owner's Name ROB FERGUSON

Agency Validation
CJ 46101 584
Date: JAN 30 1995

Submitted By (return address)

Name Duckworth Pump & Well Drilling
Mailing Address 18365 Diamond Drive N.E.
City Poulsbo State WA. Zip 98370

Continued on back ——→

ECY 040-21 (12/93)

The Department of Ecology does not warranty the data and or information on this well report.

WATER WELL REPORT

DEPARTMENT OF ECOLOGY State of Washington

RECEIVED
JUN 27 2023
WA State Department of Ecology (SWRO)

Notice of Intent No. WE50791

Unique Ecology Well ID Tag No. BNV813

Site Well Name (if more than one well):

Water Right Permit/Certificate No.

Property Owner Name Robert Fralk

Well Street Address 6050 Chorus Frog St NE

City Bainbridge Island County Kitsap

Tax Parcel No. 292502-1-081-2002

Was a variance approved for this well? ☐ Yes ☒ No

If yes, what was the variance for?

Location (see instructions on page 2): ☐ WWM or ☒ EWM

SW ¼-¼ of the NE ¼; Section 29 Township 25N Range 2E

Latitude (Example: 47.12345) 47.630754

Longitude (Example: -120.12345) -122.570927

Type of Work:
☒ Construction
☐ Decommission ⟹ Original installation NOI No.

Proposed Use: ☒ Domestic ☐ Industrial ☐ Municipal ☐ Dewatering ☐ Irrigation ☐ Test Well ☐ Other

Construction Type: ☒ New well ☐ Alteration ☐ Deepening ☐ Other

Method: ☐ Driven ☐ Jetted ☐ Cable Tool ☐ Dug ☒ Air- ☐ Mud-Rotary

Dimensions: Diameter of boring 6 in., to 557 ft.
Depth of completed well 555 ft.

Construction Details:

Casing	Liner	Diameter	From	To	Wall Thickness	Steel	PVC	Welded	Thread
☒	☐	6 in.	0	544	.025 in.	☒	☐	☒	☐
☐	☐	in.			in.	☐	☐	☐	☐
☐	☐	in.			in.	☐	☐	☐	☐
☐	☐	in.			in.	☐	☐	☐	☐

Perforations: ☐ Yes ☒ No Type of perforator used
No. of perforations Size of perforations in. by in.
Perforated from ft. to ft. below ground surface

Screens: ☒ Yes ☐ No ☒ K-Packer ⟹ Depth 539 ft.
Manufacturer's Name Alloy Machine Works
Type Stainless Slotted Model No.
Diameter 5" Slot size .010 in. from 540 ft. to 545 ft.
Diameter 5" Slot size .012 in. from 545 ft. to 550 ft.

Sand/Filter pack: ☐ Yes ☒ No Size of pack material in.
Materials placed from ft. to ft.

Surface Seal: ☒ Yes ☐ No To what depth? 18 ft.
Material used in seal Bentonite Chips
Did any strata contain unusable water? ☐ Yes ☒ No
Type of water? Depth of strata
Method of sealing strata off

Pump: Manufacturer's Name Type:
H.P. Pump intake depth: ft. Designed flow rate: gpm

Water Levels: Land-surface elevation above mean sea level 420 ft.
Stick-up of top of well casing 1.5 ft. above ground surface
Static water level 272 ft. below top of well casing Date 4/7/23
Artesian pressure lbs. per square inch Date
Artesian water is controlled by (cap, valve, etc.)

Well Tests:
Was a pumping test performed? ☒ No ☐ Yes ⟹ by whom?
Yield gpm with ft. drawdown after hrs.
Yield gpm with ft. drawdown after hrs.
Yield gpm with ft. drawdown after hrs.
Recovery data (time = zero when pump is turned off – water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of pumping test
Bailer test gpm with ft. drawdown after hrs.
Air test 75 gpm with stem set at 500 ft. for 1 hrs. Date 4/7/23
Artesian flow gpm
Temperature of water 50 °F Was a chemical analysis made? ☐ Yes ☒ No

Driller's Log/Construction or Decommission Procedure
Formation: Describe by color, character, size of material and structure, and the kind and nature of the material in each layer penetrated, with at least one entry for each change of information. Use additional sheets if necessary.

Material	From	To
Brown medium sand and gravel, loose	0	4
Brown silty sand and gravel, tight	4	10
Gray silty sand and gravel, tight	10	31
Brown medium sand, some gravel, wet	31	78
Gray fine to medium sand	78	83
Gray silt	83	92
Gray silty clay	92	98
Brown silty clay, hard	98	105
Gray siltbound sand and gravel	105	163
Brown silt with peat	163	170
Multicolored gravel and brown silt, loose	170	211
Logs, gravel, brown silt	211	217
Dark brown peat	217	219
Brown silty sand and gravel, tight	219	227
Brown silty sand with clay	227	232
Gray silty clay with lenses of gravel	232	274
Gray silty clay	274	324
Gray sticky clay	324	338
Gray silty clay, hard	338	434
Gray silty clay, hard	328	434
Brown fine sand, silt, wet	434	442
Gray silt, wet	442	446
Brown fine sand, silt, wet	446	472
Gray silty clay	472	535
Brown fine to medium sand, water	535	543
Brown sand, multicolored pea gravel, water	543	550
Gray fine sand, tight, wet	550	557

Start Date 3/10/23 Completed Date 4/7/23

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

☒ Driller ☐ Trainee ☐ PE – Print Name Josh Koepp
Signature
License No. 2874
IF TRAINEE: Sponsor's License No.
Sponsor's Signature

Drilling Company Arcadia Drilling Inc.
Address PO Box 1790
City, State, Zip Shelton, WA 98584
Contractor's Registration No. ARCADDI098K1 Date 4/7/23

ECY 050-1-20 (Rev 09/18) *If you need this document in an alternate format, please call the Water Resources Program at 360-407-6872. Persons with hearing loss can call 711 for Washington Relay Service. Persons with a speech disability can call 877-833-6341.*

24/02-02C

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT
STATE OF WASHINGTON

Application No. .....
Permit No .....

(1) OWNER: Name Richard Gill Address 4616 New Sweden Ave. N.E

(2) LOCATION OF WELL: County Kitsap — NE¼ NW¼ Sec. 02 T. 24 N., R. 2E W.M.
Bearing and distance from section or subdivision corner Lot 14 & 15 Block 2, Taylor Addition to Port Blakely

(3) PROPOSED USE: Domestic ☒ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

(4) TYPE OF WORK: Owner's number of well (if more than one) .....
New well ☒ Method: Dug ☐ Bored ☐
Deepened ☐ Cable ☒ Driven ☐
Reconditioned ☐ Rotary ☐ Jetted ☐

(5) DIMENSIONS: Diameter of well 6 inches.
Drilled 272 ft. Depth of completed well 272 ft.

(6) CONSTRUCTION DETAILS:
Casing installed: 6 " Diam. from 0 ft. to 261 ft.
Threaded ☐ " Diam. from ft. to ft.
Welded ☒ " Diam. from ft. to ft.

Perforations: Yes ☐ No ☒
Type of perforator used .....
SIZE of perforations ..... in. by ..... in.
..... perforations from ..... ft. to ..... ft.
..... perforations from ..... ft. to ..... ft.
..... perforations from ..... ft. to ..... ft.

Screens: Yes ☒ No ☐ Johnson -
Manufacturer's Name .....
Type Super Telescoping Model No. .....
Diam. 5x6 Slot size 6 from 259 ft. to 272 ft.
Diam. ..... Slot size ..... from ..... ft. to ..... ft.

Gravel packed: Yes ☐ No ☒ Size of gravel: .....
Gravel placed from ..... ft. to ..... ft.

Surface seal: Yes ☒ No ☐ To what depth? 20 ft.
Material used in seal Bentonite
Did any strata contain unusable water? Yes ☐ No ☒
Type of water? ..... Depth of strata .....
Method of sealing strata off .....

(7) PUMP: Manufacturer's Name .....
Type: ..... H.P. .....

(8) WATER LEVELS: Land-surface elevation above mean sea level .... ft.
Static level 72 ft. below top of well Date 9-29-78
Artesian pressure ..... lbs. per square inch Date .....
Artesian water is controlled by ..... (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☐ No ☐ If yes, by whom? .....
Yield: ..... gal./min. with ..... ft. drawdown after ..... hrs.
" " " "
" " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test .....
Bailer test 2 gal./min. with 178 ft. drawdown after 4 hrs.
Artesian flow ..... g.p.m. Date .....
Temperature of water ..... Was a chemical analysis made? Yes ☐ No ☐

(10) WELL LOG:
Formation: *Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.*

MATERIAL	FROM	TO
Top Soil	0	2
Clay + Gravel - Gumbo Brown	2	21
Blue Clay with Gravel	21	122
Clay - Sandy - Gray-Blue	122	153
Clay - Dark Gray - Trace H_2O	153	165
Clay - Gray	165	178
Clay - Gray with Greenish Tone	178	182
Clay - Blue - with gravel	182	188
Clay - Gray Blue with gravel	188	195
Clay - Gray Blue	195	242
Clay - Gray - with Gravel Trace H_2O	242	244
Clay - Gray Blue	244	262
Gravel-Clay - H_2O Bearing	262	272
According to Plat Recorded in Volume 2 of Plats, page, in Kitsap County, Wash.		

Work started 9-14- 19 78 Completed 9-29- 19 78

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME Puget Sond Well Drilling Co.
(Person, firm, or corporation) (Type or print)
Address P.O. Box 10365 - Bainbridge Is. Wash
[Signed] Richard L. Lanning (Well Driller)
License No. 1022 Date 9-29 19 78

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

WASHINGTON STATE DEPARTMENT OF ECOLOGY

UNIQUE WELL I.D. NUMBER A A A 3 4 8 (X Y Z 1 2 3)

WELL TAGGING FORM

Date of Field Visit 13 May 1992 By MM/BA - PUD #1

RECORD VERIFICATION

- [x] Well Report available *(please attach)*
- [ ] Well Report not available
- [ ] Verification inconclusive

~~No log~~
~~5/18/92~~
~~AM~~

WELL OWNERSHIP

Name Joanna Newnham

Street address 4616 New Sweden

City Bainbridge Is. State WA 98110

LOCATION OF WELL

Well Address 4616 New Sweden

City Bainbridge Is. County Kitsap

T 24 N. R. 02E W.M. Sec. 02C ¼ NE ¼ NW

~~GPS~~ Location: digitized Latitude 47 ° 36 ' 17 " no signal

Longitude 122 ° 30 ' 49 "

Elevation 120' (feet)/meters *(circle one)*

- [ ] Digital Altimeter
- [x] Topographic Map
- [ ] Other

If unable to verify location with GPS equipment:

- [ ] Location marked on topographic map *(please attach if available)*
- [ ] Location marked on air photo *(please attach if available)*

AAA348

WELL CHARACTERISTICS

Physical Description of Well (size of casing, type of well, housing, etc.): drilled well; 6" casing not in any structure

Location of Well Identification Tag: on casing, 4" from top.

Was Supplemental Tag needed for ease of identifying well?

☒ NO ☐ YES

Scale 1:24,000 (1"=2,000')

D	C	B	A
E	F	G	H
M	L	K	J
N	P	Q	R

Indicate the location of the well within the Section by drawing a dot at that point.

SECTION 2C

COMMENTS:

FOR ECOLOGY USE ONLY

Water Right # _____ Date Issued _____

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

AAA348 24/02-02(

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT

STATE OF WASHINGTON

Application No ---

Permit No ---

(1) OWNER: Name Richard G. Ll Address 4616 New Sweden Ave. N.E.

LOCATION OF WELL. County Kitsap NE¼ NW¼ Sec 02 T 24 N. R 2E W.M.

Bearing and distance from section or subdivision corner Lot 14+15 Block 2, Taylor Addition to Port Blake

(3) PROPOSED USE: Domestic [X] Industrial [ ] Municipal [ ] Irrigation [ ] Test Well [ ] Other [ ]

(4) TYPE OF WORK: Owner's number of well (if more than one) ---

New well [X] Method Dug [ ] Bored [ ]
Deepened [ ] Cable [X] Driven [ ]
Reconditioned [ ] Rotary [ ] Jetted [ ]

(5) DIMENSIONS Diameter of well 6 inches
Drilled 272 ft Depth of completed well 272 ft.

(6) CONSTRUCTION DETAILS:

Casing installed: 6 " Diam from 0 ft to 261 ft
Threaded [ ] Diam from ft to ft
Welded [X] Diam from ft to ft

Perforations: Yes [ ] No [X]
Type of perforator used ---
SIZE of perforations --- in by --- in
--- perforations from --- ft to --- ft
--- perforations from --- ft to --- ft
--- perforations from --- ft to --- ft

Screens: Yes [X] No [ ] Johnson -
Manufacturer's Name ---
Type Super-Telescoping Model No. ---
Diam 5x6 Slot size 6 from 259 ft to 272 ft
Diam --- Slot size --- from --- ft. to --- ft

Gravel packed: Yes [ ] No [X] Size of gravel ---
Gravel placed from --- ft to --- ft

Surface seal: Yes [X] No [ ] To what depth? 20 ft
Material used in seal Bentonite
Did any strata contain unusable water? Yes [ ] No [X]
Type of water? --- Depth of strata ---
Method of sealing strata off ---

(7) PUMP: Manufacturer's Name ---
Type --- H.P. ---

(8) WATER LEVELS: Land-surface elevation above mean sea level --- ft
Static level 72 ft below top of well Date 9-29-78
Artesian pressure --- lbs per square inch Date ---
Artesian water is controlled by --- (Cap, valve etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes [ ] No [ ] If yes, by whom?
Yield --- gal/min with --- ft drawdown after --- hrs

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test
Bailer test 2 gal/min with 178 ft drawdown after 4 hrs
Artesian flow --- g.p.m. Date ---
Temperature of water --- Was a chemical analysis made? Yes [ ] No [ ]

(10) WELL LOG:

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL	FROM	TO
Top Soil	0	2
Clay + Gravel - Gumbo Brown	2	21
Blue Clay with Gravel	21	122
Clay - Sandy - Gray-Blue	122	153
Clay - Dark Gray - Trace H2O	153	165
Clay - Gray	165	178
Clay - Gray with Greenish Hue	178	182
Clay - Blue - with gravel	182	188
Clay - Gray Blue with gravel	188	195
Clay - Gray Blue	195	242
Clay - Gray - with Gravel Trace H2O	242	244
Clay - Gray Blue	244	262
Gravel-Clay - H2O Bearing	262	272
According to Plat Recorded in Volume 2 of Plats, page, in Kitsap County, Wash.		

Work started 9-14- 1978 Completed 9-29- 1978

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief

NAME Puget Sound Well Drilling Co.
(Person, firm, or corporation) (Type or print)

Address P.O Box 10365 - Bainbridge Is. Wash

[Signed] Richard L. Lanning
(Well Driller)

License No 1022 Date 9-29, 1978

(USE ADDITIONAL SHEETS IF NECESSARY)

The Department of Ecology does NOT Warrant the Data and/or the Information on this Well Report.

USGS

map 1

KITSAP COUNTY PUD #1
PRIVATE WELL/CONSERVATION PROGRAM

LAB NO. 831

ACCOUNT NO. _____ DIV. _____

CUSTOMER NAME (PLEASE PRINT) Joanna (FIRST) Newnham (LAST)

ADDRESS WHERE SHOWERHEAD INSTALLED:

STREET 4410 New Sweden UNIT # _____

CITY Bainbridge IS STATE WA ZIP 98110

CUSTOMER'S SIGNATURE Joanna Newnham DATE 05/13/1992

QUANTITY	BRAND	PROGRAM/DELIVERY METHOD
0	Ondine Showerhead	(4) Business Office
0	Kitchen Aerator	(1) Single Family
0	Bath Aerator	NO (4) Contractor Installed

PUD ACCT #000867 WELL ID # AAA348 LOCAL # 24N/02E-02C

ELEVATION 120' LATITUDE/LONGITUDE 47 34 17 / 122 30 49 no signal n/t

DUG(U) _____ DRILLED(W) _____ SPRING(S) _____

ORIGINAL OWNER Rich Gill or Wilkinson DRILLER _____

YEAR DRILLED _____ WELL DEPTH _____

PHONE # 842-2365 TIME BEGAN 9:25 TIME COMPLETED 10:22

DESCRIPTION OF MEASURING PT. (MP) top of casing

HEIGHT OF MP (ABOVE)/BELOW LAND SURFACE 1.17 BacT P

DEPTH TO WATER BELOW MP 75.32 DEPTH TO WATER BELOW LS 74.15

TEMPERATURE 53.5 SPECIFIC CONDUCTIVITY 263 ph 8.92

Nitrate mg/L 09 Fe mg/L 0.03 Mn mg/L 0.001

COLOR clear ODOR none APPEARANCE normal

SAMPLING POINT DESCRIPTION outside hose bib

REMARKS ~~left Message 4/23~~ # on house, parking area above house

Meet under back porch

SAMPLING PERSONNEL MM

DISPLACEMENT BAG INSTALLED 1 (YES) _____ NO

Conf 5/13

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

25-2E-4N

WATER WELL REPORT

STATE OF WASHINGTON ECOLOGY — Original & 1st copy - Ecology, 2nd copy - owner, 3rd copy - driller

Construction/Decommission ("x" in circle) 151474
- (X) Construction
- ( ) Decommission *ORIGINAL CONSTRUCTION Notice of Intent Number* _____

CURRENT Notice of Intent No. WE02363

Unique Ecology Well ID Tag No. AHB 569

Water Right Permit No. _____

Property Owner Name Dave Gilles

Well Street Address 13175 Manzanita Rd.

City Bainbridge Island County: Kitsap

Location SW 1/4- 1/4 SW 1/4 Sec 4 Twn 25 R 2 (WWM) circle or one WWM

Lat/Long: (s,t,r still REQUIRED) Lat Deg _____ Lat Min/Sec _____ Long Deg _____ Long Min/Sec _____

Tax Parcel No. _____

PROPOSED USE: (X) Domestic ( ) Industrial ( ) Municipal ( ) DeWater ( ) Irrigation ( ) Test Well ( ) Other _____

TYPE OF WORK: Owner's number of well (if more than one) _____
( ) New Well ( ) Reconditioned *Method* ( ) Dug ( ) Bored ( ) Driven (X) Deepened ( ) Cable (X) Rotary ( ) Jetted

DIMENSIONS: Diameter of well 6 inches, drilled 660 ft
Depth of completed well 660 ft

CONSTRUCTION DETAILS
Casing Installed: (X) Welded 6" Diam from +2 ft to 518 ft
( ) Liner installed _____" Diam from _____ ft to _____ ft
( ) Threaded _____" Diam from _____ ft to _____ ft

Perforations: ( ) Yes (X) No
Type of perforator used 4
SIZE of perfs ____ in by ____ in and no of perfs ____ from ____ ft to ____ ft

Screens: (X) Yes ( ) No ( ) K-Pac Location _____
Manufacturer's Name Johnson
Type Stainless Steel Model No _____
Diam 4 Slot Size .010 from 506 ft to 606 ft
Diam 4 Slot Size .020 from 606 ft to 660 ft

Gravel/Filter packed: (X) Yes ( ) No ( ) Size of gravel/sand 10-20 Silica
Materials placed from 503 ft to 660 ft

Surface Seal: ( ) Yes (X) No To what depth? _____ ft
Materials used in seal _____
Did any strata contain unusable water? ( ) Yes ( ) No
Type of water? _____ Depth of strata _____
Method of sealing strata off _____

PUMP: Manufacturer's Name _____
Type _____ H P _____

WATER LEVELS: Land-surface elevation above mean sea level _____ ft
Static level 42 ft below top of well Date 6/12/04
Artesian pressure _____ lbs per square inch Date _____
Artesian water is controlled by _____ (cap, valve, etc)

WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? ( ) Yes (X) No If yes, by whom? _____
Yield _____ gal/min with _____ ft drawdown after _____ hrs
Yield _____ gal/min with _____ ft drawdown after _____ hrs
Yield _____ gal/min with _____ ft drawdown after _____ hrs
Recovery data (time taken as zero when pump turned off)(water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test _____
Bailer test _____ gal/min with _____ ft drawdown after _____ hrs
Airtest 100 gal/min with stem set at 400 ft for 3 hrs
Artesian flow _____ g p m Date _____
Temperature of water _____ Was a chemical analysis made? ( ) Yes (X) No

CONSTRUCTION OR DECOMMISSION PROCEDURE
Formation Describe by color, character, size of material and structure, and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of information Indicate all water encountered (USE ADDITIONAL SHEETS IF NECESSARY)

MATERIAL	FROM	TO
Crabtree Drilling	0	518
installed 6" Steel		
Casing to 518 bgs		
Gregory Drilling went inside		
casing + drilled to 660 TD		
Clayey Silt Grey	518	526
Sandy Silt Grey	526	530
Clayey Silt w/ Sand Lenses Gr.	530	540
Silty Sand Grey some wood	540	555
Sand Grey	555	587
Sandy Silt - Silty Sand		
some wood H2O	587	656
Silty Clay Grey	656	660

RECEIVED
JUN 29 2004
DEPT OF ECOLOGY

Start Date 6/9/04 Completed Date 6/11/04

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief

(X) Driller ( ) Engineer ( ) Trainee Name (Print) Chad N Gregory
Driller/Engineer/Trainee Signature _____
Driller or Trainee License No. 2369

If trainee, licensed driller's Signature and License no. _____

Drilling Company Gregory Drilling Inc
Address 17625 NE 65th St. #130
City, State, Zip Redmond, WA 98052
Contractor's Registration No. GREGODI110JP Date 6/13/04

Ecology is an Equal Opportunity Employer ECY 050-1-20 (Rev 4/01)

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

24-2E-2C

WATER WELL REPORT

Original & 1st copy – Ecology, 2nd copy – owner, 3rd copy – driller

Construction/Decommission *("x" in circle)* 181844

- [x] Construction
- [ ] Decommission *ORIGINAL INSTALLATION Notice of Intent Number* _____

CURRENT Notice of Intent No. W189557

Unique Ecology Well ID Tag No. AKR121

Water Right Permit No. N/A

Property Owner Name ESTATE OF JAMES E. HAWTHORN

Well Street Address 4705 NEW SWEDEN AVENUE NE

City BAINBRIDGE ISLAND County KITSAP

Location NE 1/4-1/4 NW 1/4 Sec 2 Twn 24 R 2E EWM or WWM [x] circle one

Lat/Long (s, t, r Still **REQUIRED**) Lat Deg _____ Lat Min/Sec _____ Long Deg _____ Long Min/Sec _____

Tax Parcel No. 4185-003-003-0000

PROPOSED USE: [x] Domestic [ ] Industrial [ ] Municipal [ ] DeWater [ ] Irrigation [ ] Test Well [ ] Other _____

TYPE OF WORK: Owner's number of well (if more than one) _____

[x] New well [ ] Reconditioned [ ] Deepened *Method:* [ ] Dug [ ] Bored [ ] Driven [x] Cable [ ] Rotary [ ] Jetted

DIMENSIONS: Diameter of well 6 inches, drilled 402 ft.

Depth of completed well 402 ft.

CONSTRUCTION DETAILS

Casing Installed: [x] Welded 6" Diam. from +1 ft to 397'6" ft. [ ] Liner installed _____" Diam. from _____ ft. to _____ ft. [ ] Threaded _____" Diam from _____ ft. to _____ ft.

Perforations: [ ] Yes [x] No

Type of perforator used _____

SIZE of perfs _____ in. by _____ in. and no. of perfs _____ from _____ ft. to _____ ft

Screens: [x] Yes [ ] No [x] K-Pac Location TOP

Manufacturer's Name WESCO

Type STAINLESS STEEL Model No. TELESCOPING

Diam. 5 Slot size 8 from 397 ft. to 402 ft.

Diam. _____ Slot size _____ from _____ ft. to _____ ft.

Gravel/Filter packed: [ ] Yes [x] No [ ] Size of gravel/sand _____

Materials placed from _____ ft. to _____ ft.

Surface Seal: [x] Yes [ ] No To what depth? 18 ft.

Material used in seal BENTONITE

Did any strata contain unusable water? [ ] Yes [x] No

Type of water? _____ Depth of strata _____

Method of sealing strata off _____

PUMP: Manufacturer's Name GOULDS

Type: SUBMERSIBLE 05GS07 H.P. 3/4

WATER LEVELS: Land-surface elevation above mean sea level _____ ft.

Static level 86.1 ft. below top of well Date 6/29/05

Artesian pressure _____ lbs. per square inch Date _____

Artesian water is controlled by _____ (cap, valve, etc.)

WELL TESTS: Drawdown is amount water level is lowered below static level

Was a pump test made? [x] Yes [ ] No If yes, by whom? GRESHAM

Yield: 3 gal./min. with 271.3 ft. drawdown after 4 hrs.

Yield: _____ gal./min. with _____ ft. drawdown after _____ hrs.

Yield: _____ gal./min. with _____ ft. drawdown after _____ hrs.

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level
FUL	RECOV	192	MIN.		

Date of test 6/29/05

Bailer test _____ gal /min. with _____ ft. drawdown after _____ hrs.

Airtest _____ gal./min. with stem set at _____ ft. for _____ hrs.

Artesian flow _____ g.p.m. Date _____

Temperature of water _____ Was a chemical analysis made? [x] Yes [ ] No

CONSTRUCTION OR DECOMMISSION PROCEDURE

Formation: Describe by color, character, size of material and structure, and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of information. (USE ADDITIONAL SHEETS IF NECESSARY.)

MATERIAL	FROM	TO
OVERBURDEN	0	1
BROWN SANDY CLAY	1	9
GRAY SANDY CLAY	9	13
GRAY STICKY CLAY	13	148
GRAY SANDY CLAY	148	160
GRAY STICKY CLAY	160	192
GRAY SANDY CLAY	192	299
GRAY SANDY SILTY CLAY W/GRAVEL	299	315
GRAY SANDY CLAY	315	397
GRAY SANDY SILT	397	399
GRAY SAND, CLAY, H20 LOW	399	402

RECEIVED
SEP 19 2005
DEPT OF ECOLOGY

Start Date 6/06/05 Completed Date 6/15/05

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

[x] Driller [ ] Engineer [ ] Trainee Name (Print) CRAIG A. GRESHAM

Driller/Engineer/Trainee Signature _____

Driller or trainee License No. 0761

Drilling Company GRESHAM WELL DRILLING INC

Address P.O. BOX 1600

City, State, Zip POULSBO, WA 98370-0195

Contractor's Registration No. GRESHWD055BC Date 8/09/05

If TRAINEE,
Driller's Licensed No. _____
Driller's Signature _____

Ecology is an Equal Opportunity Employer.

ECY 050-1-20 (Rev 3/05) **The Department of Ecology does NOT warranty the Data and/or Information on this Well Report.**

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

483768

WATER WELL REPORT

DEPARTMENT OF ECOLOGY

Original & 1st copy - Ecology, 2nd copy - owner, 3rd copy - driller

Construction/Decommission *("x" in circle)*

☒ Construction

☐ Decommission *ORIGINAL INSTALLATION*

Notice of Intent Number _____

PROPOSED USE: ☒ Domestic ☐ Industrial ☐ Municipal ☐ DeWater ☐ Irrigation ☐ Test Well ☐ Other _____

TYPE OF WORK: Owner's number of well (if more than one) _____

☐ New well ☐ Reconditioned *Method:* ☐ Dug ☐ Bored ☐ Driven ☐ Deepened ☐ Cable ☐ Rotary ☐ Jetted

DIMENSIONS: Diameter of well 6 inches, drilled _____ ft. Depth of completed well 102 ft.

CONSTRUCTION DETAILS

Casing Installed: ☒ Welded 6 " Diam. from -8" ft. to +1 ft.

☐ Liner installed _____ " Diam. from _____ ft. to _____ ft.

☐ Threaded _____ " Diam. From _____ ft. to _____ ft.

Perforations: ☐ Yes ☐ No

Type of perforator used _____

SIZE of perfs _____ in. by _____ in. and no. of perfs _____ from _____ ft. to _____ ft.

Screens: ☐ Yes ☐ No ☐ K-Pac Location _____

Manufacturer's Name _____

Type _____ Model No. _____

Diam. _____ Slot size _____ from _____ ft. to _____ ft.

Diam. _____ Slot size _____ from _____ ft. to _____ ft.

Gravel/Filter packed: ☐ Yes ☐ No Size of gravel/sand _____

Materials placed from _____ ft. to _____ ft.

Surface Seal: ☐ Yes ☐ No To what depth? _____ ft.

Material used in seal _____

Did any strata contain unusable water? ☐ Yes ☐ No

Type of water? _____ Depth of strata _____

Method of sealing strata off _____

PUMP: Manufacturer's Name _____

Type: _____ H.P. _____

WATER LEVELS: Land-surface elevation above mean sea level _____ ft.

Static level 21.2 ft. below top of well Date 4/23/13

Artesian pressure _____ lbs. per square inch Date _____

Artesian water is controlled by _____ (cap, valve, etc.)

WELL TESTS: Drawdown is amount water level is lowered below static level

Was a pump test made? ☐ Yes ☐ No If yes, by whom? _____

Yield: _____ gal./min. with _____ ft. drawdown after _____ hrs.

Yield: _____ gal./min. with _____ ft. drawdown after _____ hrs.

Yield: _____ gal./min. with _____ ft. drawdown after _____ hrs.

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test _____

Bailer Test _____ gal./min. with _____ ft. drawdown after _____ hrs.

Airtest _____ gal./min. with stem set at _____ ft. for _____ hrs.

Artesian flow _____ g.p.m. Date _____

Temperature of water _____ Was a chemical analysis made? ☐ Yes ☐ No

CURRENT

Notice of Intent No. WE16056

Unique Ecology Well ID Tag No. BAT989

Water Right Permit No. N/A

Property Owner Name ROSEMARY HUTCHINSON TRUST BANK

Well Street Address 5231 CRYSTAL SPRINGS ROAD

City BAINBRIDGE ISLAND County KITSAP

Location NW 1/4-1/4 SE 1/4 Sec 32 Twn 25 R 2E EWM ☒ Check Or WWM ☐ One

(s, t, r Still REQUIRED)

Lat/Long Lat Deg _____ Lat Min/Sec _____

Long Deg _____ Long Min/Sec _____

Tax Parcel No. (Required) 322502-4-021-2004

CONSTRUCTION OR DECOMMISSION PROCEDURE

Formation: Describe by color, character, size of material and structure, and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of information. (USE ADDITIONAL SHEETS IF NECESSARY.)

MATERIAL	FROM	TO
CASING EXTENSION	-8"	+1
"SEE ATTACHED WATER WELL REPORT"		

RECEIVED MAY 14 2013 DEPT OF ECOLOGY WR

Start Date 4/23/13 Completed Date 4/23/13

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

☒ Driller ☐ Engineer ☐ Trainee. Name (Print) CHAD A GRESHAM

Driller/Engineer/Trainee Signature _____

Driller or trainee License No. 3150

IF TRAINEE: Driller's License No: _____

Driller's Signature: _____

Drilling Company GRESHAM PUMP & WELL DRILLING INC

Address P O BOX 1600

City, State, Zip POULSBO , WA , 98370

Contractor's Registration No. GRESHPD871B8 Date 5/07/2013

ECY 050-1-20 (Rev 06/08) If you need this document in an alternate format, please call the Water Resources Program at 360-407-6600. Persons with hearing loss can call 711 for Washington Relay Service. Persons with a speech disability can call 877-833-6341.

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

File Original and First Copy with Department of Ecology
Second Copy—Owner's Copy
Third Copy—Driller's Copy

WATER WELL REPORT

STATE OF WASHINGTON

Start Card No. _____

Water Right Permit No. _____

(1) OWNER: Name Mr. Robert N. Hutchinson Address 5231 Crystal Springs Dr., B.I.98110

(2) LOCATION OF WELL: County Kitsap NW ¼ SE ¼ Sec 32 T 25 N., R 2E W.M.

(2a) STREET ADDDRESS OF WELL (or nearest address) "Crystal Springs Drive"

(3) PROPOSED USE: [X] Domestic [ ] Industrial [ ] Municipal [ ] Irrigation [ ] Test Well [ ] Other [ ] DeWater

(4) TYPE OF WORK: Owner's number of well (if more than one) _____

Abandoned [ ] New well [X] Method: Dug [ ] Bored [ ] Deepened [ ] Cable [X] Driven [ ] Reconditioned [ ] Rotary [ ] Jetted [ ]

(5) DIMENSIONS: Diameter of well 6 inches. Drilled 102 feet. Depth of completed well 102 ft.

(6) CONSTRUCTION DETAILS:

Casing installed: 6 " Diam. from 0 ft. to 97 ft.
Welded [X] Linar installed [ ] Threaded [ ] _____ " Diam. from _____ ft. to _____ ft.

Perforations: Yes [ ] No [X]
Type of perforetor used _____
SIZE of perforetione _____ in. by _____ in.
_____ perforatione from _____ ft. to _____ ft.
_____ perforetions from _____ ft. to _____ ft.
_____ perforations from _____ ft. to _____ ft.

Screens: Yes [X] No [ ] Johnson
Manufacturer's Neme _____
Type stainless steel Model No _____
Diem. 6 Slot size 12 from 97 ft. to 102 ft.
Diem. _____ Slot eize _____ from _____ ft. to _____ ft.

Gravel packed: Yes [ ] No [X] Size of grevel _____
Grevel plsced from _____ ft. to _____ ft.

Surface seal: Yes [X] No [ ] To what depth? 18 ft.
Meteriel used in seel Bentonite
Did any strete contain unusable water? Yes [ ] No [X]
Type of weter? _____ Depth of strata _____
Method of eealing strata off _____

(7) PUMP: Manufacturer's Nema Gould
Type: submersible 18E H.P. 1½

(8) WATER LEVELS: Land-surface elevation above mean sea level 120 ft.
Static leval 25 ft. below top of well Date 6/24/88
Artesian praasura _____ lbs. per aquere inch Date _____
Artesian water is controlled by _____ (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below atatic level
Was a pump tast mada? Yes [ ] No [ ] If yes, by whom? _____
Yield: _____ gal./min. with _____ ft. drawdown efter _____ hrs.
" " " "
" " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test _____
Bailer test 20 gal./min. with 55 ft. drawdown after 2 hrs.
Airtest _____ gal./min. with stem set at _____ ft. for _____ hrs.
Artesian flow _____ g.p.m. Date _____
Temperature of water 50 Was a chemical analysis made? Yes [ ] No [X]

(10) WELL LOG or ABANDONMENT PROCEDURE DESCRIPTION

Formation: Describe by color, character, size of meteriel and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of information.

MATERIAL	FROM	TO
Brown sticky clay	0	10
Blue gritty clay	10	45
Blue sticky clay	45	58
Blue silty clay	58	65
Blue sandy clay	65	80
Silty sand & H20	80	96
Sand & H20	96	102

Work started 8/22/88, 19. Completed 8/24/88, 19

WELL CONSTRUCTOR CERTIFICATION:

I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

NAME Gresham Well Drilling (PERSON, FIRM, OR CORPORATION) (TYPE OR PRINT)

Address 3105 N.W. Lakeness Rd., Poulsbo, 98370

(Signed) _____ License No. 0761
(WELL DRILLER)

Contractor's Registration No. GRESHWD206NF Date 9/16/88, 19

(USE ADDITIONAL SHEETS IF NECESSARY)

ENTERED

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT

STATE OF WASHINGTON

Start Card No. W07385

UNIQUE WELL I.D. # AAS284

Water Right Permit No. 25-01E-15D

(1) **OWNER:** Name Silverdale WD #16 Address PO Box 493 Silverdale, WA 98467

(2) **LOCATION OF WELL:** County Kitsap NW 1/4 NW 1/4 Sec 15 T. 25 N. R 01E W.M.

(2a) **STREET ADDRESS OF WELL** (or nearest address) None assigned- NW of intersection Ridgetop@Boardwalk Silverdale,

(3) **PROPOSED USE:** ☐ Domestic ☐ Industrial ☐ Municipal ☒ ☐ Irrigation ☐ Test Well ☐ Other ☐ ☐ DeWater

(4) **TYPE OF WORK:** Owner's number of well (if more than one) Ridgetop Production

Abandoned ☐ New well ☒ Method: Dug ☐ Bored ☐ Deepened ☐ Cable ☐ Driven ☐ Reconditioned ☐ Rotary ☐ Jetted ☐

(5) **DIMENSIONS:** Diameter of well 12 inches. Drilled 1170 feet. Depth of completed well 1165 ft.

(6) **CONSTRUCTION DETAILS:**

Casing installed: 12 " Diam. from +2.5 ft. to 842 ft.
Welded ☒ 8/6 " Diam. from SEE ft. to (10) ft.
Liner installed ☒
Threaded ☐ " Diam. from ft. to ft.

Perforations: Yes ☐ No ☒
Type of perforator used
SIZE of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

Screens: Yes ☒ No ☐
Manufacturer's Name Houston
Type V shape wire wrap Model No.
Diam. 8/6 Slot size .035 from SEE ft. to (10) ft.
Diam. Slot size from ft. to ft.

Filter Pack **Gravel packed:** Yes ☒ No ☐ Size of gravel Pack CSSI8X12
Gravel placed from 734 ft. to 1170 ft.

Surface seal: Yes ☒ No ☐ To what depth? 842 ft.
Material used in seal Cement
Did any strata contain unusable water? Yes ☐ No ☐
Type of water? Depth of strata
Method of sealing strata off

(7) **PUMP:** Manufacturer's Name
Type: H.P.

(8) **WATER LEVELS:** Land-surface elevation above mean sea level approx. 320 ft.
Static level 270 ft. below top of well Date 5/10/99
Artesian pressure lbs. per square inch Date
Artesian water is controlled by (Cap, valve, etc.)

(9) **WELL TESTS:** Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☒ No ☐ If yes, by whom? SEI
Yield: 1000 gal./min. with * ft. drawdown after * hrs.
" *SEE ATTACHED GRAPH " "
" " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level
	SEE ATTACHED GRAPH				

Date of test 5/10/99
Bailer test gal./min. with ft. drawdown after hrs.
Airtest gal./min. with stem set at ft. for hrs.
Artesian flow g.p.m. Date
Temperature of water 54 F Was a chemical analysis made? Yes ☒ No ☐

(10) **WELL LOG or ABANDONMENT PROCEDURE DESCRIPTION**

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of information.

MATERIAL	FROM	TO
SEE ATTACHED LOG		
Liner & screen assembly:		
8" X .250 Blank liner(MNPT on top)	731	814
8" screen(relief)	814	819
8" blank	819	839
8" X 6" bell reducer	839	840
6" X .250 blank	840	880
6" screen	880	890
6" blank	890	901
6" screen	901	911
6" blank	911	925
6" screen	925	935
6" blank	935	946
6" screen	946	956
6" blank	956	962
6" screen	962	972
6" blank	972	1002
6" screen	1002	1012
6" blank	1012	1053
6" screen	1053	1063
6" blank	1063	1099
6" screen	1099	1109
6" blank	1109	1120
6" screen	1120	1130
6" blank	1130	1170

Work Started 2/9/99 19. Completed 5/19/99 19

WELL CONSTRUCTOR CERTIFICATION:

I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

NAME Schneider Equipment, Inc. (PERSON, FIRM, OR CORPORATION) (TYPE OR PRINT)

Address 21881 River Rd. NE St.Paul, OR 97137

(Signed) Stephen Schneider (WELL DRILLER) License No. 0643

Contractor's Registration No. SCHNEI*226LG Date June 4 19 99

(USE ADDITIONAL SHEETS IF NECESSARY)

Ecology is an Equal Opportunity and Affirmative Action employer. For special accommodation needs, contact the Water Resources Program at (206) 407-6600. The TDD number is (206) 407-6006.

ECY 050-1-20 (9/93) * * f

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

Silverdale WD #16 - Ridgetop Production Well

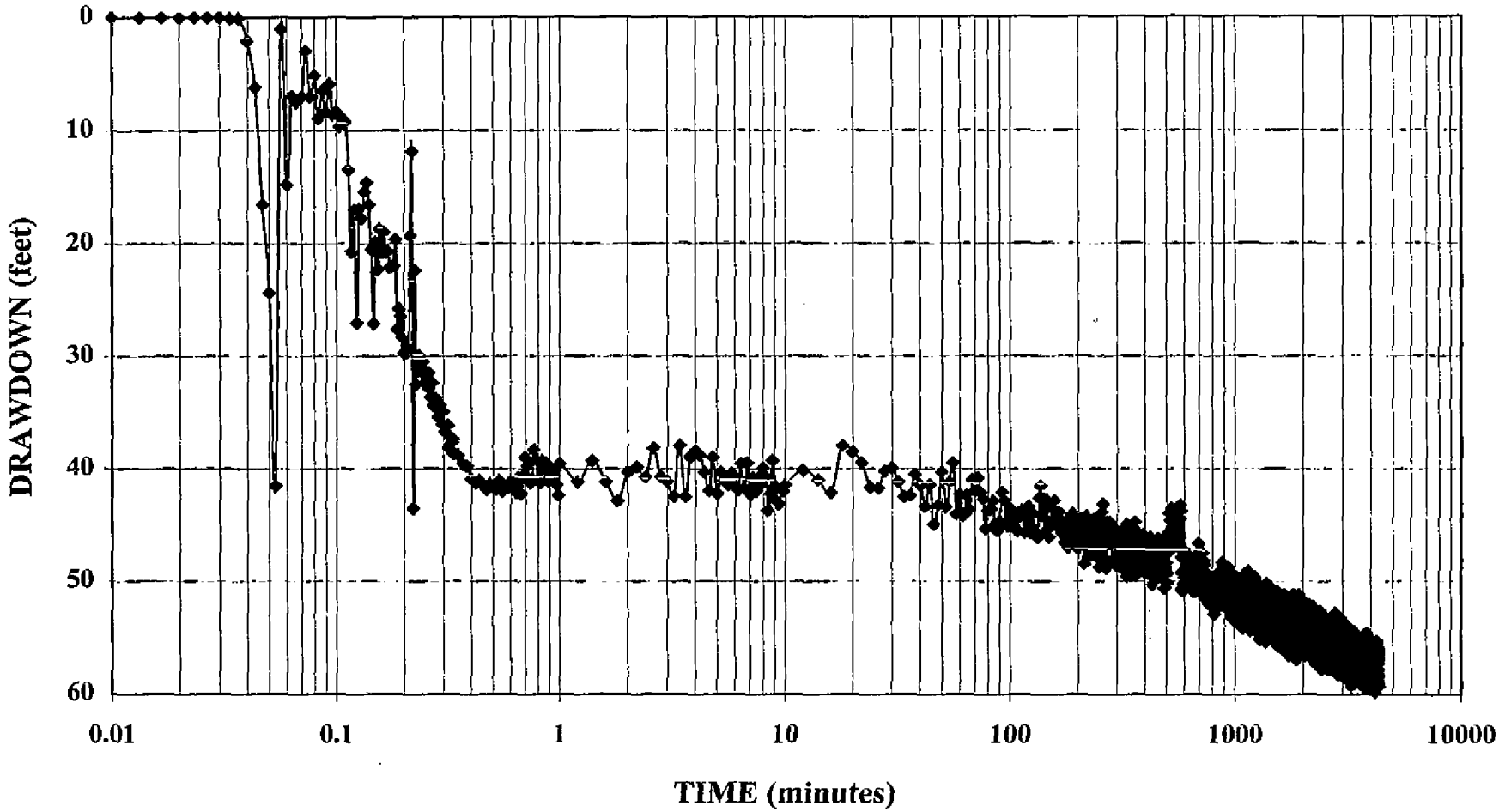
By Schneider Drilling Co.

Start Card #W07385 - Well Label #AAS284

Depth From	Depth To	Description
0	1	Fill
1	18	Sand & gravel, some cobbles, and wood
18	92	Sand & gravel w/cobbles and clay, tan, silty
92	122	Sand, medium-fine & gravel, occasional cobble
122	155	Sand, medium-fine w/gravel layers
155	162	Sand & gravel w/some clay, silty
162	216	Sand & gravel, large, slightly cemented w/some silty clay and cobbles
216	222	Clay, grey, silty & occasional gravel
222	262	Clay, grey, silty soft-hard & some gravel
262	320	Clay, grey, silty, soft-hard & wood w/occasional gravel
320	335	Clay, grey, hard, silty & gravel
335	416	Clay, silty, grey w/ layers of hard, grey clay
416	421	Sand w/some gravel
421	439	Gravel w/sand & some clay, grey, silty
439	469	Clay, grey, silty, occasional gravel
469	814	Clay, grey, silty w/layers of clay, grey, hard
814	821	Clay, grey, hard, silty & some gravel
821	855	Clay, grey, silty, hard
855	856	Clay, grey, occasional gravel
856	858	Sand, grey, medium-fine
858	865	Clay, grey, occasional gravel
865	870	Clay, grey, silty, some gravel
870	912	Clay, grey, silty w/some wood
912	956	Clay, grey, silty w/gravel & sand-silt
956	974	Gravel, 2" minus w/layers of silt, cemented
974	1053	Gravel, 2" minus w/clay, green, sandy, medium
1053	1058	Clay, green, hard-soft, silty w/some gravel
1058	1064	Gravel, medium w/sand
1064	1074	Clay, dark grey, silty
1074	1076	Gravel, 1" minus w/sand
1076	1078	Clay, dark grey & brown w/wood
1078	1090	Clay, light grey, occasional wood
1090	1096	Gravel w/clay, grey
1096	1115	Gravel, 2" minus w/sand
1115	1116	Clay, dark grey & peat
1116	1142	Gravel, 1" minus w/clay, grey
1142	1152	Clay, grey, silty, medium
1152	1154	Gravel, 1" minus w/some wood & clay
1154	1156	Clay, grey, medium
1156	1160	Clay, dark grey-brown w/peat
1160	1170	Clay, grey, medium w/some wood

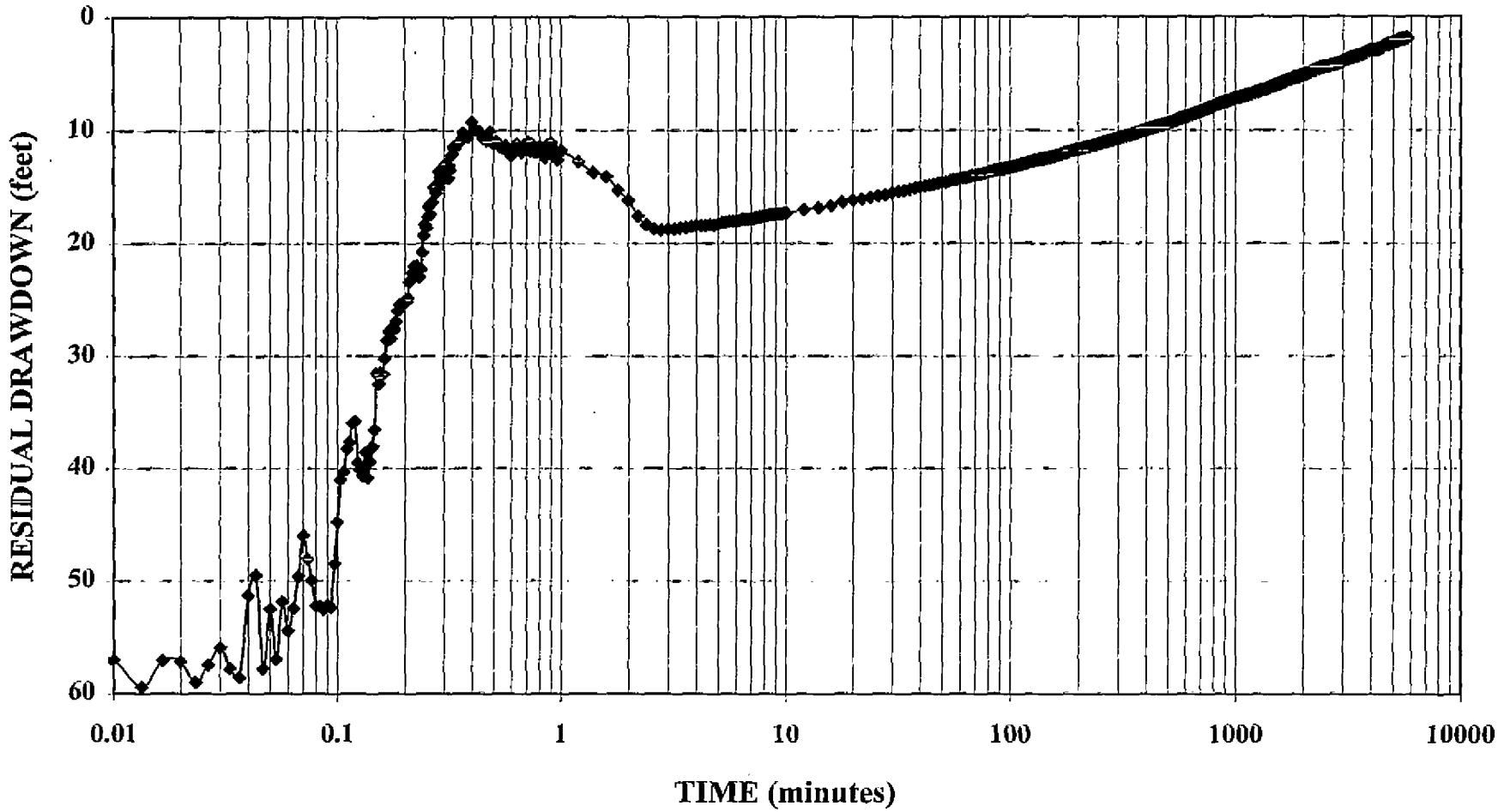
The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

SILVERDALE W.D. RIDGETOP PRODUCTION WELL
Constant Rate 1000 GPM Test beginning 5/10/99



The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

SILVERDALE W.D. RIDGETOP PRODUCTION WELL
Recovery beginning 5/13/99



Ridgetop prod well test data & graphs CR rec graph

Schneider Drilling Co.

File Original and First Copy with Department of Ecology
Second Copy—Owner's Copy
Third Copy—Driller's Copy

WATER WELL REPORT

STATE OF WASHINGTON

Start Card No. 026510

Water Right Permit No. G1-26055 25/1E/15 D

(1) OWNER: Name Silverdale Water District #16 Address P.O. Box 493, Silverdale, WA 98383

(2) LOCATION OF WELL: County Kitsap NW ¼ NW ¼ Sec. 15 T. 25 N., R. 1E W.M.

(2a) STREET ADDDRESS OF WELL (or nearest address) Ridgetop Blvd, Silverdale, WA

(3) PROPOSED USE: ☐ Domestic ☐ Industrial ☐ Municipal ☐ ☐ Irrigation ☒ Test Well ☐ Other ☐ ☐ DeWater

(4) TYPE OF WORK: Owner's number of well (if more than one) Ridgetop

Abandoned ☐ New well ☒ Method: Dug ☐ Bored ☐ Deepened ☐ Cable ☒ Driven ☐ Reconditioned ☐ Rotary ☒ Jetted ☐

(5) DIMENSIONS: Diameter of well 8x6 inches. Drilled 1194 feet. Depth of completed well 984 ft.

(6) CONSTRUCTION DETAILS:

Casing Installed: 8 " Diam. from +1 ft. to 842 ft.
Welded ☒ 6 " Diam. from +2 ft. to 999.5 ft.
Liner installed ☐ except at screens
Threaded ☐ " Diam. from ft. to ft.

Perforations: Yes ☐ No ☒
Type of perforator used
SIZE of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

Screens: Yes ☒ No ☐
Manufacturer's Name Houston
Type V shape wire wrap Model No. 30455
Diam. 8 ps Slot size .030 from 797 ft. to 822 ft.
Diam. 6 ps Slot size .030 from 954 ft. to 979 ft.

Gravel packed: Yes ☐ No ☒ Size of gravel
Gravel placed from ft. to ft.

Surface seal: Yes ☒ No ☐ To what depth? 100 ft.
Material used in seal gran. bentonite
Did any strata contain unusable water? Yes ☐ No ☐
Type of water? Depth of strata
Method of sealing strata off

(7) PUMP: Manufacturer's Name
Type: H.P.

(8) WATER LEVELS: Land-surface elevation above mean sea level approx. 320 ft.
Static level 269.4 ft. below top of well Date 6/12/91
Artesian pressure lbs. per square inch Date
Artesian water is controlled by (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☒ No ☐ If yes, by whom? SEI
Yield: 225 gal./min. with 63 ft. drawdown after 1 hrs.
" 225 " 65 " 10 "
" 225 " 66 " 24 "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level
5 min.	272.7	50 min.	271.7	120 min.	27.3
10 min.	272.5	60 min.	271.6	480 min.	270.3
30 min.	272.0	90 min.	271.4	1360min.	269.7

Date of test 6/12-13/91

Bailer test gal./min. with ft. drawdown after hrs.
Airtest gal./min. with stem set at ft. for hrs.
Artesian flow g.p.m. Date
Temperature of water Was a chemical analysis made? Yes ☐ No ☐

(10) WELL LOG or ABANDONMENT PROCEDURE DESCRIPTION

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of information.

MATERIAL	FROM	TO
Top soil, brn.	0	3
Sand & grvl, 4" minus	3	10
Sand, med-crse & grvl, 1/2"-	10	14
Grvl & clay, tan & grey	14	20
Grvl, 2"-& sand, crse, w/clay binder	20	39
Sand, crse & grvl, slightly cemented	39	70
Sand, crse & grvl, cem w/clay	70	90
Sand, crse & grvl.	90	220
Clay, brn, silty, soft	220	234
Clay, grey, layered soft & hard	234	398
Clay, grey, silty w/peat	398	432
Grvl & sand, crse.	432	456
Clay, grey, soft	456	464
Grvl & sand, crse.	464	472
Clay, grey, soft	472	818
Clay, grey, soft w/grvl & wood	818	914
Clay, sandy w/some grvl.	914	984
Grvl, large & clay, sandy, green	984	1034
Clay, sandy, grn & grey, w/some grvl.	1034	1089
Sand, grvl. & clay, cem, hard	1089	1140
Clay, grey, soft	1140	1149
Grvl, sand & clay	1149	1154
Clay, brn & grey w/wood & grvl	1154	1176
Clay, grey, soft	1176	1194

RECEIVED
AUG 19 1991
DEPT. OF ECOLOGY

Work started 2/13/91 19. Completed 7/29/ 1991

WELL CONSTRUCTOR CERTIFICATION:

I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

NAME Schneider Equipment, Inc. (PERSON, FIRM, OR CORPORATION) (TYPE OR PRINT)

Address 21881 River Rd NE, St. Paul OR 97137

(Signed) Stephen Schneider (WELL DRILLER) License No. 0643

Contractor's Registration No. SCHNEI*226LG Date 8/12 19 91

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20 (10/87) -1329-

The Department of Ecology does NOT Warrant the Data and/or the Information on this Well Report.

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

278541

25-2E-3D

☑ Construction ☐ Decommission Original Installation Notice of Intent Number:

Washington State Dept. of Ecology Water Well Report

Original-Ecology, Copy 1-Owner, Copy 2-Driller

Proposed Use ☑ Domestic ☐ Industrial ☐ Municipal ☐ DeWater ☐ Irrigation ☐ Test Well Other

Type of Work:

Owners number of well (if more than one):

☑ New Well ☐ Reconditioned ☐ Dug ☐ Bored ☐ Driven ☐ Deepened ☑ Cable ☐ Rotary ☐ Jetted

Dimensions

Diameter of well inches: 6 Feet Drilled: 484

Depth of Completed Well Ft: 484

Construction Details: Casing Installed:

☑ Welded 6 " Diam. from 0 ft to: 484 ft

☐ Liner " Diam from 0 ft to 0 ft

☐ Threaded 0 " Diam from 0 ft to 0 ft

Perforations: ☐ Yes ☑ No

Type of perforator used:

Perf Size 0 in by 0 in and no of perfs 0 from 0 ft to 0

Screens: ☐ Yes ☑ No ☐ K-Pac Location:

Manufacuters Name:

Type: Model No:

Diam 0 Slot Size: 0 from 0 ft to 0 ft

Diam 0 Slot Size: 0 from 0 ft to 0 ft

Gravel/Filter Packed: ☐ Yes ☐ No Size of Gravel/Sand:

Materials placed from: 0 ft to 0 ft

Surface Seal ☑ Yes ☐ No To what depth? 23 ft

Material Used in Seal: bentonite

Did any strata contain unusable water? ☐ Yes ☑ No

Type of Water? Depth of strata 0 ft

Method of sealing strata off:

Pump: Manufacturers Name:

Type: HP:

Water Levels: Land-surface elvation above mean sea level 0 ft

Static level 0 ft below top of well. Date:

Artesian pressure 0 lbs per square in. Date

Artesian water is controlled by:

Well Tests:

Was a pump test made? ☐ Yes ☑ No If yes by whom?

Yield: 0 gal/min with 0 ft drawdown after 0 hrs

Yield: 0 gal/min with 0 ft drawdown after 0 hrs

Yield: 0 gal/min with 0 ft drawdown after 0 hrs

Time	Water Level	Time	Water Level	Time	Water Level
	0		0		0
	0		0		0
	0		0		0

Pump Test Date:

Bailer Test 0 gal/min with 0 ft drawdown after 0 hrs

Airtest 0 w/stem set at 0ft for 0 hrs

Artesian flow 0g.p.m Date

Temp of Water: Was a chemical analysis made? ☐ Yes ☑ No

Current:

Notice of Intent No: W234470

Unique Ecology Well ID Tag No ALP082

Water Right Permit No:

Property Owner Name: robert Johnsen

Well Street Address: 8317 NE Hidden Cove Rd

City B.I. County: #18 KITSAP

Location NW 1/4-1/4 NW 1/4 Sec 3 Twn: 25N R: 2

Lat Deg: Lat Min/Sec: ☑ EWM

Long Deg: Long Deg/Sec: ☐ WWM

Tax Parcel No: 03250220062002

Construction or Decommission Procedure

Formation: Describe by color, character, size of material and structure, and the kind and nature of material in each stratum penetrated, with at least one entry for each change of information indicate all the water encountered.

Material		From	T
Loam Clay	brown	0	2
Clay sandy	brown	2	17
Silt compact w/ rocks	blue	17	75
Silt compact sticky	blue	75	98
Silt compact sticky hard	blue	98	308
Silt compact w/ rocks hard	blue	308	462
Silt compact hard sandy	blue	462	
		0	0
		0	0
		0	0
to be completed with a mud rotary		0	0
		0	0
		0	0
		0	0
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		0	0

RECEIVED

OCT 09 2007

DEPT. OF ECOLOGY

Start Date: 8/14/2007 Completed Date: 9/6/2007

Well Construction Certification: I constructed and/or accept responsibility for the construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

☑ Driller ☐ Engineer ☐ Trainee Name: Glen Crabtree

Driller/Engineer/Trainee Signature

Driller or Trainee License No: 1443

If trainee, licensed driller's

Signature and License No.

Drill Co Name: Crabtree Well Drilling

Address: 33349 Eglon Rd NE

City,State,Zip: Kingston, WA 98346-

Contractors Registration No: CRABTDC09702 Date: 9/17/2007

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

306784

25-2E-3D

WATER WELL REPORT

Original & 1st copy – Ecology, 2nd copy – owner, 3rd copy – driller

Construction/Decommission *("x" in circle)*

☒ Construction

☐ Decommission *ORIGINAL INSTALLATION*

Notice of Intent Number _____

PROPOSED USE: ☒ Domestic ☐ Industrial ☐ Municipal ☐ DeWater ☐ Irrigation ☐ Test Well ☐ Other _____

TYPE OF WORK: Owner's number of well (if more than one) _____

☐ New well ☐ Reconditioned *Method:* ☐ Dug ☐ Bored ☐ Driven ☒ Deepened ☒ Cable ☐ Rotary ☐ Jetted

DIMENSIONS: Diameter of well 5 inches, drilled 532 ft. Depth of completed well 532ft.

CONSTRUCTION DETAILS

Casing Installed: ☒ Welded 5" Diam. from 0 ft. to 492 ft.

☐ Liner installed ____" Diam. from ____ ft. to ____ ft.

☐ Threaded ____" Diam. From ____ ft. to ____ ft.

Perforations: ☐ Yes ☒ No

Type of perforator used _____

SIZE of perfs ____in. by ____ in. and no. of perfs ____from ____ft. to ____ft.

Screens: ☒ Yes ☐ No ☒ K-Pac Location 488 FT, 40 IN

Manufacturer's Name JNSN

Type WELD Model No. TLSCP

Diam. 6 "Slot size 5 from 492 ft. to 497 ft.

Diam. 8Slot size 35 from 497 ft. to 532 ft.

Gravel/Filter packed: ☐ Yes ☒ No Size of gravel/sand _____

Materials placed from ____ ft. to ____ ft.

Surface Seal: ☒ Yes ☐ No To what depth? 18ft.

Material used in seal BENTONITE

Did any strata contain unusable water? ☐ Yes ☒ No

Type of water? _____ Depth of strata _____

Method of sealing strata off _____

PUMP: Manufacturer's Name _____

Type: _____ H.P. _____

WATER LEVELS: Land-surface elevation above mean sea level _____ ft.

Static level 60 ft. below top of well Date 06/27/2008

Artesian pressure / lbs. per square inch Date _____

Artesian water is controlled by _____ (cap, valve, etc.)

WELL TESTS: Drawdown is amount water level is lowered below static level

Was a pump test made? ☐ Yes ☐ No If yes, by whom? _____

Yield: ____gal./min. with ____ft. drawdown after ____hrs.

Yield: ____gal./min. with ____ft. drawdown after ____hrs.

Yield: ____gal./min. with ____ft. drawdown after ____hrs.

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test _____

Bailer test 20 gal./min. with 8.3ft. drawdown after 1hrs.

Airtest ____gal./min. with stem set at ____ft. for ____hrs.

Artesian flow ____g.p.m. Date _____

Temperature of water ____ Was a chemical analysis made? ☐ Yes ☒ No

CURRENT

Notice of Intent No. WE08289

Unique Ecology Well ID Tag No. ALP 082

Water Right Permit No. _____

Property Owner Name ROBERT JOHNSEN

Well Street Address 8713 NE HIDDEN COVE ROAD

City BAINBRIDGE ISLAND County KITSAP

Location NW1/4-1/4 NW1/4 Sec 3 Twn 25N R 2E **(s, t, r Still REQUIRED)** EWM ☒ Or WWM ☐

Lat/Long Lat Deg ____ Lat Min/Sec ____

Long Deg ____ Long Min/Sec ____

Tax Parcel No. (Required) 0325 022 006 2002

CONSTRUCTION OR DECOMMISSION PROCEDURE

Formation: Describe by color, character, size of material and structure, and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of information. (USE ADDITIONAL SHEETS IF NECESSARY.)

MATERIAL	FROM	TO
EXISTING WELL	0	462
CRABTREE DRILLING		
NOI # W234470		
GRAY, FINE SAND	462	
WATER, BEARING		532
NOI W234470		

RECEIVED

JUL 28 2008

Washington State

Start Date 06/03/2008 Completed Date 06/27/2008

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

☐ Driller ☐ Engineer ☒ Trainee Name (Print) TYLER BRIGHT

Driller/Engineer/Trainee Signature Tyler Bright

Driller or trainee License No. 2876T

IF TRAINEE: Driller's License No: 0520

Driller's Signature: _____

Drilling Company NICHOLSON DRILLING INC

Address PO BOX 123

City, State, Zip PORT ORCHARD , WA, 98366

Contractor's Registration No. NICHOD11370M Date 07/24/2008

ECY 050-1-20 (Rev 4/07)

Ecology is an Equal Opportunity Employer

The Department of Ecology does not warranty the data and or information on this well report.

WATER WELL REPORT

DEPARTMENT OF ECOLOGY State of Washington

Notice of Intent No. ~~WE48568~~ WE 48544

Type of Work:
☒ Construction
☐ Decommission ⟹ Original installation NOI No. _____

Unique Ecology Well ID Tag No. BME 350

Site Well Name (if more than one well): _____

Water Right Permit/Certificate No. _____

Property Owner Name RICK KEFER

Well Street Address 7809 HANSEN RD NW

City BAINBRIDGE ISLAND County KITSAP

Tax Parcel No. 29250220492001

Was a variance approved for this well? ☐ Yes ☒ No

If yes, what was the variance for? _____

Proposed Use: ☒ Domestic ☐ Industrial ☐ Municipal ☐ Dewatering ☐ Irrigation ☐ Test Well ☐ Other _____

Construction Type: ☒ New well ☐ Alteration ☐ Deepening ☐ Other _____

Method: ☐ Driven ☐ Jetted ☐ Cable Tool ☐ Dug ☒ Air- ☐ Mud-Rotary

Dimensions: Diameter of boring 6 in., to 545 ft.
Depth of completed well 345 ft.

Construction Details:

Casing	Liner	Diameter	From	To	Wall Thickness	Steel	PVC	Welded	Thread
☒	☐	6 in.	+1	336	.250 in.	☒	☐	☒	☐
☐	☐	____ in.	____	____	____ in.	☐	☐	☐	☐
☐	☐	____ in.	____	____	____ in.	☐	☐	☐	☐
☐	☐	____ in.	____	____	____ in.	☐	☐	☐	☐

Perforations: ☐ Yes ☒ No Type of perforator used _____
No. of perforations _____ Size of perforations _____ in. by _____ in.
Perforated from _____ ft. to _____ ft. below ground surface

Screens: ☒ Yes ☐ No ☒ K-Packer ⟹ Depth _____ ft.
Manufacturer's Name _____
Type STANLESS Model No. _____
Diameter 6 in. Slot size 10 in. from 335 ft. to 345 ft.
Diameter _____ in. Slot size _____ in. from _____ ft. to _____ ft.

Sand/Filter pack: ☐ Yes ☒ No Size of pack material _____ in.
Materials placed from _____ ft. to _____ ft.

Surface Seal: ☒ Yes ☐ No To what depth? 20 ft.
Material used in seal BENTONITE
Did any strata contain unusable water? ☐ Yes ☒ No
Type of water? _____ Depth of strata _____
Method of sealing strata off _____

Pump: Manufacturer's Name GOULDS Type: SUB
H.P. 1 Pump intake depth: 320 ft. Designed flow rate: 10 gpm

Water Levels: Land-surface elevation above mean sea level _____ ft.
Stick-up of top of well casing 1 ft. above ground surface
Static water level 217 ft. below top of well casing Date 3-7-22
Artesian pressure _____ lbs. per square inch Date _____
Artesian water is controlled by _____ (cap, valve, etc.)

Well Tests:
Was a pumping test performed? ☐ No ☒ Yes ⟹ by whom? _____
Yield ~~5~~ _____ gpm with ~~248~~ ft. drawdown after 4 hrs.
Yield 5 gpm with ~~247~~ ft. drawdown after 4 hrs.
Yield _____ gpm with _____ ft. drawdown after _____ hrs.

Recovery data (time = zero when pump is turned off – water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of pumping test _____
Bailer test _____ gpm with _____ ft. drawdown after _____ hrs.
Air test _____ gpm with stem set at _____ ft. for _____ hrs. Date _____
Artesian flow _____ gpm
Temperature of water _____ °F Was a chemical analysis made? ☒ Yes ☐ No

Location (see instructions on page 2): ☐ WWM or ☒ EWM
NE ¼-¼ of the NW ¼; Section 29 Township 25N Range 2
Latitude (Example: 47.12345) 47.63412567
Longitude (Example: -120.12345) -122.57523482

Driller's Log/Construction or Decommission Procedure
Formation: Describe by color, character, size of material and structure, and the kind and nature of the material in each layer penetrated, with at least one entry for each change of information. Use additional sheets if necessary.

Material	From	To
CLAY & GRAVEL BROWN	0	25
CLAY BLUE	25	100
CLAY & GRAVEL BROWN	100	220
CLAY BLUE	220	334
SAND & GRAVEL H2O 5 GPM	334	345
CLAY BLUE	345	545

Received
~~Department of Ecology~~
April 13, 2022
Water Resources Program
NWRO

Start Date 1-26-22 Completed Date 3-3-22

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

☒ Driller ☐ Trainee ☐ PE – Print Name CLAYTON PITTS
Signature _____
License No. 2548
IF TRAINEE: Sponsor's License No. _____
Sponsor's Signature _____

Drilling Company COOLWATER DRILLING,INC.
Address 10921 NW HOLLY RD
City, State, Zip BREMERTON WA 98312
Contractor's Registration No. COOLWDI941QM Date 4-12-22

ECY 050-1-20 (Rev 11/18) *If you need this document in an alternate format, please call the Water Resources Program at 360-407-6872. Persons with hearing loss can call 711 for Washington Relay Service. Persons with a speech disability can call 877-833-6341.*

26/02 - 3.3 N

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT

STATE OF WASHINGTON

Application No. .....

Permit No. .....

(1) OWNER: Name Robert Nickel Address 11835 Jeromett Pt. Drive NE Kingston

(2) LOCATION OF WELL: County Kitsap SW ¼ SW ¼ Sec. 33 T. 26 N., R. 2E W.M.

Bearing and distance from section or subdivision corner East 265 ft. of S½ of N½ of E½ of above

(3) PROPOSED USE: Domestic [X] Industrial [ ] Municipal [ ]
Irrigation [ ] Test Well [ ] Other [ ]

(4) TYPE OF WORK: Owner's number of well (if more than one) ....
New well [X] Method: Dug [ ] Bored [ ]
Deepened [ ] Cable [X] Driven [ ]
Reconditioned [ ] Rotary [ ] Jetted [ ]

(5) DIMENSIONS: Diameter of well 6 inches.
Drilled 283 ft. Depth of completed well 283 ft.

(6) CONSTRUCTION DETAILS:

Casing installed: ..." Diam. from ... ft. to ... ft.
Threaded [ ] ..." Diam. from ... ft. to ... ft.
Welded [X] 6" Diam. from 0 ft. to 278 ft.

Perforations: Yes [ ] No [X]
Type of perforator used ...
SIZE of perforations ... in. by ... in.
... perforations from ... ft. to ... ft.
... perforations from ... ft. to ... ft.
... perforations from ... ft. to ... ft.

Screens: Yes [X] No [ ] Johnson
Manufacturer's Name ...
Type Stainless Model No. ...
Diam. ... Slot size ... from ... ft. to ... ft.
Diam. 6 Slot size 4 from 278 ft. to 283 ft.

Gravel packed: Yes [ ] No [X] Size of gravel: ...
Gravel placed from ... ft. to ... ft.

Surface seal: Yes [X] No [ ] To what depth? 19 ft.
Material used in seal Bentonite
Did any strata contain unusable water? Yes [ ] No [X]
Type of water? ... Depth of strata ...
Method of sealing strata off ...

(7) PUMP: Manufacturer's Name Sta-Rite
Type: Jet H.P. ½

(8) WATER LEVELS: Land-surface elevation above mean sea level .... 120 ft.
Static level 146 ft. below top of well Date 9-18-81
Artesian pressure ... lbs. per square inch Date ...
Artesian water is controlled by ... (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes [X] No [ ] If yes, by whom? Driller
Yield: 12 gal./min. with 109 ft. drawdown after 3 hrs.
" " " " " "
" " " " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test ...
Bailer test 12 gal./min. with 104 ft. drawdown after 3 hrs.
Artesian flow ... g.p.m. Date ...
Temperature of water ... Was a chemical analysis made? Yes [ ] No [X]

(10) WELL LOG:

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL		FROM	TO
Top soil	Brown	0	3
Sandy clay	"	3	12
Hard pan	"	12	14
Sandy Clay	"	14	20
Hard pan	Gray	20	37
Sand & gravel Cemented	"	37	40
Sand	"	40	43
Sand & clay	"	43	55
Clay	Blue	55	122
Clay Sandy	"	122	124
Till	"	124	135
Clay & rocks	"	135	153
Sand & gravel Cemented	Gray	153	162
Clay	Blue	162	166
Clay	Gray	166	181
Clay Sandy	Blue	181	212
Silty Sand	"	212	226
Clay	"	226	264
Silt	"	264	275
Sand Fine - Fine	"	275	283

RECEIVED NOV 20 1981 DEPT. OF ECOLOGY NW REGION

Work started Sept. 1, 1981 Completed Sept. 18, 1981

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME CRABTREE DRILLING CO
(Person, firm, or corporation) (Type or print)

Address 23349 EGLON RD. NE, KINGSTON

[Signed] Jerry Crabtree
(Well Driller)

License No. 82 Date Sept. 18, 1981

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT
STATE OF WASHINGTON

Application No. 25/2/35 P
Permit No.

(1) **OWNER:** Name Randy OKERMAN Address POB 10 Bain Is, WA 98110

(2) **LOCATION OF WELL:** County Kitsap SE¼ SW¼ Sec 35 T. 25 N. R. 2E W.M.
Bearing and distance from section or subdivision corner S½ lot 4 all lot 5 in Block 4 TAYLORS

(3) **PROPOSED USE:** Domestic ☒ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

(4) **TYPE OF WORK:** Owner's number of well (if more than one)
New well ☒ Method: Dug ☐ Bored ☐
Deepened ☐ Cable ☒ Driven ☐
Reconditioned ☐ Rotary ☐ Jetted ☐

(5) **DIMENSIONS:** Diameter of well 6 inches.
Drilled 565 ft. Depth of completed well 554 ft.

(6) **CONSTRUCTION DETAILS:**
Casing installed: 6" Diam. from 0 ft. to 555 ft
Threaded ☐ " Diam. from ft. to ft.
Welded ☒ " Diam. from ft. to ft.

Perforations: Yes ☐ No ☒
Type of perforator used
SIZE of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

Screens: Yes ☐ No ☒
Manufacturer's Name
Type Model No
Diam. Slot size from ft. to ft.
Diam. Slot size from ft. to ft.

Gravel packed: Yes ☒ No ☐ Size of gravel Pea
Gravel placed from 565 ft. to 554 ft.

Surface seal: Yes ☒ No ☐ To what depth? 18 ft.
Material used in seal Native Clay + Bentonite
Did any strata contain unusable water? Yes ☐ No ☒
Type of water? Depth of strata
Method of sealing strata off

(7) **PUMP:** Manufacturer's Name Sta-Rite
Type: H.P. 1½

(8) **WATER LEVELS:** Land-surface elevation above mean sea level ft.
Static level 100 ft. below top of well Date 1-3-79
Artesian pressure lbs. per square inch Date
Artesian water is controlled by (Cap, valve, etc.)

(9) **WELL TESTS:** Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☐ No ☐ If yes, by whom?
Yield: gal./min. with ft. drawdown after hrs.
" " " "
" " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test
Bailer test 5 gal./min. with 380 ft. drawdown after 4 hrs.
Artesian flow g.p.m. Date
Temperature of water Was a chemical analysis made? Yes ☐ No ☐
24 hr. @ 375' Drawdown at 5gpm

(10) **WELL LOG:**
Formation: *Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.*

MATERIAL	FROM	TO
Top Soil	0	3
CLAY Brown w/Gravel	3	16
CLAY Blue w/ Gravel	16	26
CLAY - Blue	26	143
CLAY - Blue - Gray	143	185
CLAY - Gray - Brown	185	230
CLAY - Blue - Gray	230	390
CLAY - Gray - Brown	390	395
CLAY - Blue - Gray	395	430
CLAY - Blue - Gray w/s.lt	430	535
SAND - Gray - S.lty clay Bedding	535	565
Second Addition to Port Blakely, Kitsap County More Discription on File As Recorded Vol 2 of Plats Page 56		

RECEIVED
JUN 16 1992
DEPT. OF ECOLOGY

Work started 11-7- 1978 Completed 1-3 1979

WELL DRILLER'S STATEMENT:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME Puget Sound Well Drilling (Person, firm, or corporation) (Type or print)
Address P.O. Box 10365
[Signed] Richard L. Lanning (Well Driller)
License No. 1022 Date 1-3 1979

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

23/2 -26-1

File Original and First Copy with Department of Ecology
Second Copy—Owner's Copy
Third Copy—Driller's Copy

WATER WELL REPORT

STATE OF WASHINGTON

Start Card No. _____

Water Right Permit No _____

(1) **OWNER:** Name ROBERT L. RAUSCH Address 737 FERNCLIFF AVE.

(2) **LOCATION OF WELL:** County KITSAP SE ¼ NW ¼ Sec 26 T. 25 N, R 2E W.M

(2a) **STREET ADDDRESS OF WELL** (or nearest address) 737 FERNCLIFF AVE NE, BAINBRIDGE IS. 98110

(3) **PROPOSED USE:** [✓] Domestic [ ] Industrial [ ] Municipal [ ] Irrigation [ ] Test Well [ ] Other [ ] DeWater

(4) **TYPE OF WORK:** Owner's number of well (if more than one) _____

Abandoned [ ] New well [✓] Method: Dug [ ] Bored [ ] Deepened [ ] Cable [✓] Driven [ ] Reconditioned [ ] Rotary [ ] Jetted [ ]

(5) **DIMENSIONS:** Diameter of well 6 inches. Drilled 135 feet. Depth of completed well 135 ft.

(6) **CONSTRUCTION DETAILS:**

Casing installed: 6 " Diam from 0 ft. to 120 ft
Welded [✓] Liner installed [ ] Threaded [ ] _____ " Diam from _____ ft. to _____ ft
_____ " Diam. from _____ ft. to _____ ft.

Perforations: Yes [ ] No [✓]
Type of perforator used _____
SIZE of perforations _____ in. by _____ in.
_____ perforations from _____ ft. to _____ ft.
_____ perforations from _____ ft. to _____ ft.
_____ perforations from _____ ft. to _____ ft.

Screens: Yes [✓] No [ ] Manufacturer's Name JOHNSON
Type STAINLESS 12 SLOT Model No _____
Diam. _____ Slot size _____ from 5 ft. to _____ ft
Diam. 5 Slot size 12L from 125 ft. to _____ ft

Gravel packed: Yes [ ] No [✓] Size of gravel _____
Gravel placed from _____ ft. to _____ ft.

Surface seal: Yes [✓] No [ ] To what depth? 18 ft.
Material used in seal BENTONITE
Did any strata contain unusable water? Yes [ ] No [✓]
Type of water? _____ Depth of strata _____
Method of sealing strata off _____

(7) **PUMP:** Manufacturer's Name Berkley
Type: SUB H.P. ½

(8) **WATER LEVELS:** Land-surface elevation above mean sea level _____
Static level 108 ft. below top of well Date 10-28-88
Artesian pressure _____ lbs. per square inch Date _____
Artesian water is controlled by _____ (Cap, valve, etc.)

(9) **WELL TESTS:** Drawdown is amount water level is lowered below static level
Was a pump test made? Yes [✓] No [ ] If yes, by whom? Driller
Yield: 6 gal./min. with 15 ft. drawdown after 4 hrs.
" " " "
" " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test _____
Bailer test 5 gal./min. with 17 ft. drawdown after 4 hrs.
Airtest _____ gal./min. with stem set at _____ ft. for _____ hrs.
Artesian flow _____ g.p.m. Date _____
Temperature of water _____ Was a chemical analysis made? Yes [ ] No [✓]

(10) **WELL LOG or ABANDONMENT PROCEDURE DESCRIPTION**

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of information.

MATERIAL	FROM	TO
SAND - BROWN	0	12
CLAY - BROWN	12	23
CLAY - BLUE	23	68
CLAY & GRAVEL BRITTLE - BLUE	68	80
COMPACT SAND & GRAVEL grey	80	119
WATER SAND - grey	119	125
CLAY - BLUE	125	

RECEIVED
NOV 22 1988
DEPARTMENT OF ECOLOGY
NORTHWEST REGION

Work started 10-14 19 88 Completed 10-28 19 88

WELL CONSTRUCTOR CERTIFICATION:

I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

NAME McCOY DRILLING & WELL DEVELOPMENT CO. (PERSON, FIRM, OR CORPORATION) (TYPE OR PRINT)
Address 9070 N.E. SPARGUR POINT RD. BAINBRIDGE IS., WA. 98110

(Signed) D McCoy (WELL DRILLER) License No. 0294
Contractor's Registration No. MCCOYDW137Q3 Date 10/28/88

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20 (10-87) -1329-

The Department of Ecology does NOT Warrant the Data and/or the Information on this Well Report.

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT
STATE OF WASHINGTON

842-405C

Application No. 24/02-05B
Permit No. .....

(1) OWNER: Name Ralph Stowell Address Rt. White Crystal Springs

(2) LOCATION OF WELL: County Kitsap — NW ¼ NE ¼ Sec 32 T 25 N., R 2E W.M.

Bearing and distance from section or subdivision corner

(3) PROPOSED USE: Domestic [X] Industrial [ ] Municipal [ ]
Irrigation [ ] Test Well [ ] Other [ ]

(4) TYPE OF WORK: Owner's number of well (if more than one) ....
New well [X] Method: Dug [ ] Bored [ ]
Deepened [ ] Cable [ ] Driven [ ]
Reconditioned [ ] Rotary [ ] Jetted [ ]

(5) DIMENSIONS: Diameter of well 6 inches.
Drilled 67 ft. Depth of completed well 67 ft.

(6) CONSTRUCTION DETAILS:
Casing installed: 6 " Diam. from 0 ft. to 63 ft.
Threaded [ ] " Diam. from ft. to ft.
Welded [X] " Diam. from ft. to ft.

Perforations: Yes [ ] No [X]
Type of perforator used
SIZE of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

Screens: Yes [X] No [ ]
Manufacturer's Name Johnson
Type Telescope Model No.
Diam. 6 Slot size 10 from 63 ft. to 67 ft.
Diam. Slot size from ft. to ft.

Gravel packed: Yes [ ] No [X] Size of gravel:
Gravel placed from ft. to ft.

Surface seal: Yes [X] No [ ] To what depth? 20 ft.
Material used in seal Bentonite
Did any strata contain unusable water? Yes [X] No [ ]
Type of water? Sweet Depth of strata 12
Method of sealing strata off Anti-Hydro-Cement

(7) PUMP: Manufacturer's Name Flint-Walling
Type: H.P.

(8) WATER LEVELS: Land-surface elevation above mean sea level .... 10 ft.
Static level 5 ft. below top of well Date
Artesian pressure lbs. per square inch Date
Artesian water is controlled by (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes [X] No [ ] If yes, by whom? Jim Bach
Yield: 8 gal./min. with 20 ft. drawdown after 1 hrs.
" " " "
" " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test 7/12/76
Bailer test 6 gal./min. with 60 ft. drawdown after 4 hrs.
Artesian flow g.p.m. Date
Temperature of water Was a chemical analysis made? Yes [ ] No [X]

(10) WELL LOG:

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL	FROM	TO
Topsoil	0	3
HARDPAN	3	12
SAND - surface water	12	15
HARDPAN	15	36
Sandy clay	36	45
fine sand	45	48
HARDPAN	48	59
SAND - GRAVEL	59	63
COARSE SAND - WATER	63	67

Work started 6/24, 1976 Completed 7/3, 1976

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME Jim Bach Drilling Co.
(Person, firm, or corporation) (Type or print)

Address Bainbridge

[Signed] Jim Bach
(Well Driller)

License No. 21 Date 7/12, 1976

(USE ADDITIONAL SHEETS IF NECESSARY)

S. F. No. 7356—OS—(Rev. 4-71).

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

WATER WELL REPORT

Start Card No. W053401
Unique Well I.D. # ABW206
Water Right Permit No.

395791

STATE OF WASHINGTON

(1) OWNER: Name TANGE, ROBERT Address 7269 N.E. BERGMAN RD. BAINBRIDGE IS., WA 98110-

(2) LOCATION OF WELL: County KITSAP - NE 1/4 SE 1/4 Sec 13 T 25 N., R 2E WM
(2a) STREET ADDRESS OF WELL (or nearest address) 7883 FLETCHER BAY RD., BAINBRIDGE IS.

(3) PROPOSED USE: DOMESTIC

(4) TYPE OF WORK: Owner's Number of well (If more than one) 2
NEW WELL Method: ROTARY

(5) DIMENSIONS: Diameter of well 6 inches
Drilled 150 ft. Depth of completed well 150 ft.

(6) CONSTRUCTION DETAILS:
Casing installed: 6 " Dia. from 0 ft. to 150 ft.
WELDED " Dia. from ft. to ft.
" Dia. from ft. to ft.

Perforations: NO
Type of perforator used
SIZE of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

Screens: YES
Manufacturer's Name HOUSTON
Type STAINLESS Model No.
Diam. 5 slot size 12 from 143 ft. to 150 ft.
Diam. slot size from ft. to ft.

Gravel packed: NO Size of gravel
Gravel placed from ft. to ft.

Surface seal: YES To what depth? 18 ft.
Material used in seal BENTONITE
Did any strata contain unusable water? NO
Type of water? Depth of strata ft.
Method of sealing strata off

(7) PUMP: Manufacturer's Name STA-RITE
Type SUBMERSIBLE H.P. 1 1/2

(8) WATER LEVELS: Land-surface elevation above mean sea level ... ft.
Static level 80 ft. below top of well Date 01/19/95
Artesian Pressure lbs. per square inch Date
Artesian water controlled by

(9) WELL TESTS: Drawdown is amount water level is lowered below static level.
Was a pump test made? NO If yes, by whom?
Yield: gal./min with ft. drawdown after hrs.

Recovery data
Time | Water Level | Time | Water Level | Time | Water Level

Date of test / /
Bailer test 9+ gal/min. 110 ft. drawdown after .25 hrs.
Air test gal/min. w/ stem set at ft. for hrs.
Artesian flow g.p.m. Date
Temperature of water Was a chemical analysis made? NO

(10) WELL LOG 25/2E/13-K

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change in formation.

MATERIAL	FROM	TO
BROWN STICKY CLAY	0	12
GREY STICKY CLAY	12	124
BROWN SAND	124	140
SAND & GRAVEL WATER	140	150
	150	

RECEIVED
JAN 01 1995
DEPT. OF ECOLOGY

RECEIVED
JAN 31 1995
DEPT. OF ECOLOGY

Work started 01/18/95 Completed 01/19/95

WELL CONSTRUCTOR CERTIFICATION:
I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

NAME DUCKWORTH PUMP & DRILLING
(Person, firm, or corporation) (Type or print)

ADDRESS 18365 DIAMOND DRIVE NE

[SIGNED] Donald D Duckworth License No. 1148 1147

Contractor's
Registration No. DUCKWPW148CJ Date 01/20/95

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

This notification number must be provided to your well driller: W 053401

Well Size: 1. New well less than 12" in diameter - Amount of payment $100.00
2. New well 12" in diameter, or more - Amount of payment $200.00

Amount Enclosed $ $100.00

Owner's Name ROBERT TANKE

Submitted By (return address)

Name DUCKWORTH PUMP AND WELL DRILLING

Mailing Address 18765 DIAMOND RD. N.E.

City POULSBO State WA Zip 98370

Agency Validation

CI 46101 42

Date NOV 28 1994

ECY 040-21 (12/93)

Continued on back ——→

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

39591 ENTERED

WATER WELL REPORT

STATE OF WASHINGTON

Start Card No. W053401
Unique Well I.D. # ABW206
Water Right Permit No.

(1) OWNER: Name TANGE, ROBERT Address 7269 N.E. BERGMAN RD. BAINBRIDGE IS., WA 98110-

(2) LOCATION OF WELL: County KITSAP NW 1/4 NE 1/4 SE 1/4 Sec 13 T 25 N., R 2E WM
STREET ADDRESS OF WELL (or nearest address) 7883 FLETCHER BAY RD., BAINBRIDGE IS.

(3) PROPOSED USE: DOMESTIC

(4) TYPE OF WORK: Owner's Number of well (If more than one) 2
NEW WELL Method: ROTARY

(5) DIMENSIONS: Diameter of well 6 inches
Drilled 150 ft. Depth of completed well 150 ft.

(6) CONSTRUCTION DETAILS:
Casing installed: 6 " Dia. from 0 ft. to 150 ft.
WELDED " Dia. from ft. to ft.
" Dia. from ft. to ft.

Perforations: NO
Type of perforator used
SIZE of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

Screens: YES
Manufacturer's Name HOUSTON
Type STAINLESS Model No.
Diam. 5 slot size 12 from 143 ft. to 150 ft.
Diam. slot size from ft. to ft.

Gravel packed: NO Size of gravel
Gravel placed from ft. to ft.

Surface seal: YES To what depth? 18 ft.
Material used in seal BENTONITE
Did any strata contain unusable water? NO
Type of water? Depth of strata ft.
Method of sealing strata off

(7) PUMP: Manufacturer's Name STA-RITE
Type SUBMERSIBLE H.P. 1 1/2

(8) WATER LEVELS: Land-surface elevation above mean sea level ... ft.
Static level 80 ft. below top of well Date 01/19/95
Artesian Pressure lbs. per square inch Date
Artesian water controlled by

(9) WELL TESTS: Drawdown is amount water level is lowered below static level.
Was a pump test made? NO If yes, by whom?
Yield: gal./min with ft. drawdown after hrs.

Recovery data
Time | Water Level | Time | Water Level | Time | Water Level

Date of test / /
Bailer test 9+ gal/min. 110 ft. drawdown after .25 hrs.
Air test gal/min. w/ stem set at ft. for hrs.
Artesian flow g.p.m. Date
Temperature of water Was a chemical analysis made? NO

(10) WELL LOG 25/2E/13-K

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change in formation.

MATERIAL	FROM	TO
BROWN STICKY CLAY	0	12
GREY STICKY CLAY	12	124
BROWN SAND	124	140
SAND & GRAVEL WATER	140	150

RECEIVED
MAY 26 2009
Water Resources Program
Department of Ecology

RECEIVED
JAN 01 1995
DEPT. OF ECOLOGY

RECEIVED
JAN 31 1995
DEPT. OF ECOLOGY

Work started 01/18/95 Completed 01/19/95

WELL CONSTRUCTOR CERTIFICATION:
I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

NAME DUCKWORTH PUMP & DRILLING
(Person, firm, or corporation) (Type or print)

ADDRESS 18365 DIAMOND DRIVE NE

[SIGNED] Donald D Duckworth License No. 1148 1147

Contractor's
Registration No. DUCKWPW148CJ Date 01/20/95

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

WELL LOG CHANGE FORM

Instructions: Record any change made to the well log record on this form. Then always append this form to the well log image. File with the original.

WCL Log ID (Required) 35591 Well Log ID 34786/

Regional Office: ☐CRO ☐ERO ☒NWRO ☐SWRO

Type of Well: ☒ Water ☐ Resource
Notice of Intent: W053401 Ecology Well ID Tag No. ABW206
Property (Well) Owner's Name Robert Tauge
Well Street Address 7883 Fletcher Bay Rd
City Bainbridge Is. County Kitsap Zip Code
Location: NW 1/4-1/4 NW 1/4 Sec 28 Twn 25N R 2 E or W (Circle One)
Lat./Long: (Required) Lat. Deg. ____ Lat. Min/Sec ____
Long. Deg. ____ Long. Min/Sec ____
Horizontal Collection Method Code ____

Tax Parcel No ____
Type of Work: ☒ New Well ☐ Reconditioned ☐ Deepened
Well Log Received Date 1/31/95
Well Diameter 6 (in inches) Well Depth 150 (in feet) Well Completed Date 1/19/95
Driller's Ecology License No. 1147
Trainee's Ecology License No. ____

Reason/Source of Change (Required)
Per Kitsap County, 1/4, 1/4 and section are corrected to NW/NW of section 28

Signature of Well Log Tracker (Required) Arlene Harris Date 1/22/10

ECY-WR-WLCF Rev. 10/02/02

26/02-34Q

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT

STATE OF WASHINGTON

Application No. .....

Permit No. .....

(1) OWNER: Name Richard Thompson Address 960 NE Issaquah Log Rd Bainbridge

(2) LOCATION OF WELL: County Kitsap SW ¼ SE ¼ Sec. 34 T. 26 N., R. 2 W.M.

Bearing and distance from section or subdivision corner

(3) PROPOSED USE: Domestic ☒ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

(4) TYPE OF WORK: Owner's number of well (if more than one) .....
New well ☒ Method: Dug ☐ Bored ☐
Deepened ☐ Cable ☒ Driven ☐
Reconditioned ☐ Rotary ☐ Jetted ☐

(5) DIMENSIONS: Diameter of well 6 inches.
Drilled 523 ft. Depth of completed well 523 ft.

(6) CONSTRUCTION DETAILS:

Casing installed: 6" Diam. from 0 ft. to 513 ft.
Threaded ☐ ." Diam. from ft. to ft.
Welded ☒ ." Diam. from ft. to ft.

Perforations: Yes ☐ No ☒
Type of perforator used
SIZE of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

Screens: Yes ☒ No ☐ Johnson
Manufacturer's Name
Type Stainless Model No.
Diam. 6 Slot size 8 from 513 ft. to 518 ft.
Diam. 6 Slot size 6 from 518 ft. to 523 ft.

Gravel packed: Yes ☐ No ☒ Size of gravel:
Gravel placed from ft. to ft.

Surface seal: Yes ☒ No ☐ To what depth? 18 ft.
Material used in seal Bentonite
Did any strata contain unusable water? Yes ☐ No ☒
Type of water? Depth of strata
Method of sealing strata off

(7) PUMP: Manufacturer's Name Sta-Rite
Type: Sub H.P. 3

(8) WATER LEVELS: Land-surface elevation above mean sea level 80
Static level 50 ft. below top of well Date 1/30/78
Artesian pressure lbs. per square inch Date
Artesian water is controlled by (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level Drilled
Was a pump test made? Yes ☒ No ☐ If yes, by whom?
Yield: 15 gal./min. with 15 ft. drawdown after 4 hrs.
" " " " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test
Bailer test 16 gal./min. with 16 ft. drawdown after hrs.
Artesian flow g.p.m. Date
Temperature of water Was a chemical analysis made? Yes ☐ No ☒

(10) WELL LOG:

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL		FROM	TO
Clay	Brown	0	12
Clay	Blue	12	41
Silt compacted	"	41	50
Clay	"	50	90
Silt compacted	"	90	110
Clay	"	110	210
Silt compacted	"	210	270
Clay	"	270	400
Clay small gravels	"	400	420
Clay sticky	"	420	493
Fine silty sand	"	493	494
Silt compacted	"	494	500
Clay sticky	"	500	513
Dirty sand		513	523
Fine dirty sand		523	—

Work started Dec. 27, 19 77 Completed Jan. 31, 19 78

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME CRABTREE DRILLING CO
(Person, firm, or corporation) (Type or print)

Address 33349 Eglon Rd NE, Kingston

[Signed] Jerry Crabtree
(Well Driller)

License No. 223-02 Date Feb. 1, 19 78

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT
STATE OF WASHINGTON

25/02-27L
Application No.
Permit No.

(1) OWNER: Name Rudolf Address

(2) LOCATION OF WELL: County Kitsap ¼ ¼ ¼ Sec 27 T 25 N., R 1E W.M.
Bearing and distance from section or subdivision corner

(3) PROPOSED USE: Domestic [X] Industrial [ ] Municipal [ ]
Irrigation [ ] Test Well [ ] Other [ ]

(4) TYPE OF WORK: Owner's number of well (if more than one)
New well [X] Method: Dug [ ] Bored [ ]
Deepened [ ] Cable [X] Driven [ ]
Reconditioned [ ] Rotary [ ] Jetted [ ]

(5) DIMENSIONS: Diameter of well 6" inches.
Drilled 96' 9" ft. Depth of completed well 96' 9" ft.

(6) CONSTRUCTION DETAILS:
Casing installed: 6" Diam. from 0 ft. to 88' ft.
Threaded [ ] " Diam. from ft. to ft.
Welded [X] " Diam. from ft. to ft.

Perforations: Yes [ ] No [X]
Type of perforator used
SIZE of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

total length 10'3"
lead riser = 1'3"
screen = 5'3"
Johnson
total length 10'3"
Solid riser pipe = 3'9"
Lead wool Bottom

Screens: Yes [X] No [ ] Manufacturer's Name Johnson
Type Shoe Model No.
Diam. 5 Slot size .18 from 89 ft. to 94 ft.
Diam. Slot size from ft. to ft.

Gravel packed: Yes [ ] No [ ] Size of gravel:
Gravel placed from ft. to ft.

Surface seal: Yes [X] No [ ] To what depth? 18 ft.
Material used in seal Puddling clay Bentonite & cement
Did any strata contain unusable water? Yes [ ] No [ ]
Type of water? Depth of strata
Method of sealing strata off

(7) PUMP: Manufacturer's Name
Type: H.P.

(8) WATER LEVELS: Land-surface elevation above mean sea level Artesian ft.
Static level ft. below top of well Date
Artesian pressure lbs. per square inch Date
Artesian water is controlled by (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes [ ] No [X] If yes, by whom?
Yield: gal./min. with ft. drawdown after hrs.
" " " "
" " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test
Baller test 10 gal./min. with 50 ft. drawdown after 2 hrs.
Artesian flow g.p.m. Date July 11 1981
Temperature of water Was a chemical analysis made? Yes [ ] No [X]

(10) WELL LOG:

Formation: *Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.*

MATERIAL	FROM	TO
Brn clay filled gravel	0	5
Gray hardpan	5	28
Blue clay filled coarse sand	28	33
gray hardpan	33	50
Silty clay	50	81'6"
Coarse Sand	81'6"	96'9"
Fine sand & Brn peat	96'9"	

Work started July 7, 1981 Completed July 11, 1981

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME Puget Sound Well Drilling
(Person, firm, or corporation) (Type or print)
Address 18365 Diamond Dr. N.E. Poulsbo 98370

[Signed] Ronald D. Duckworth
(Well Driller)

License No. 1148 Date July 20, 1981

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

PUD # 464

WASHINGTON STATE DEPARTMENT OF ECOLOGY

UNIQUE WELL I.D. NUMBER A A A 3 0 0
X Y Z 1 2 3

WELL TAGGING FORM

Date of Field Visit 6/9/92 By BA - PUD #1

RECORD VERIFICATION

☒ Well Report available *(please attach)*
☐ Well Report not available
☐ Verification inconclusive

WELL OWNERSHIP

Name Frank Karreman

Street address 231 Gowen Pl NW

City Bainbridge Is State WA 98110

Is this information: ☒ Current, to the best of your knowledge
☐ Copied from the *Well Report*

LOCATION OF WELL

Well Address 231 Gowen Pl. NW

City Bainbridge Is County Kitsap

T 25 N R. 02E WM Sec 27L NE ¼ of the SW ¼

GPS Location: Latitude 47 ° 37 ' 58 N " 7DOP ~~9~~ 1.9
~~14 18 24~~
~~9 9 5~~
2 12 13
9 9 9

Longitude 122 ° 32 ' 18 W "

Elevation at land surface 18 (feet) meters *(circle one)*

☒ Digital Altimeter
☐ Topographic Map
☐ Other

If unable to verify location with GPS equipment:

☐ Location marked on topographic map *(please attach if available)*

☐ Location marked on air photo *(please attach if available)*

Please attach this form to the Well Report and submit it to the Department of Ecology Regional Office in your area.

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

WELL CHARACTERISTICS

AAA300

Physical Description of Well (size of casing, type of well, housing, etc.): drilled well with 6" casing inside a well house.

Location of Well Identification Tag. on casing 1" from top

Was Supplemental Tag needed for ease of identifying well?

☒ NO ☐ YES

If yes, where was tag placed? _____

Scale 1.24,000 (1"=2,000')

D	C	B	A
E	F	G	H
M	L	K	J
N	P	Q	R

Indicate the location of the well within the Section by drawing a dot at that point.

SECTION 27L

COMMENTS: _____

FOR ECOLOGY WATER RESOURCES PROGRAM USE ONLY

Water Right # _____ Date Issued _____

Circle one: Application Permit Certificate Claim Exempt

and First Copy with
t of Ecology
Copy — Owner's Copy
Copy — Driller's Copy

WATER WELL REPORT 001247

Application No

STATE OF WASHINGTON

Permit No

(1) OWNER: Name Rudolf Address AAA300

LOCATION OF WELL: County Kitsap — NE¼ SW¼ Sec 27 T 25 N, R 2E W.M.

Bearing and distance from section or subdivision corner

(3) PROPOSED USE: Domestic X Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

(4) TYPE OF WORK: Owner's number of well (if more than one)
New well X Method: Dug ☐ Bored ☐
Deepened ☐ Cable X Driven ☐
Reconditioned ☐ Rotary ☐ Jetted ☐

(5) DIMENSIONS: Diameter of well 6" inches
Drilled 96' 9" ft Depth of completed well 96' 9" ft.

(6) CONSTRUCTION DETAILS:
Casing installed: 6" Diam from 0 ft. to 88' ft.
Threaded ☐ ." Diam from ft. to ft.
Welded X ." Diam from ft to ft.

Perforations: Yes ☐ No X
Type of perforator used
SIZE of perforations in by in.
perforations from ft to ft
perforations from ft to ft
perforations from ft to ft.

Screens: Yes X No ☐
Manufacturer's Name Johnson
Type Steel Model No.
Diam 5 Slot size 40 from 89 ft. to 94 ft
Diam Slot size from ft. to ft.

Gravel packed: Yes ☐ No ☐ Size of gravel
Gravel placed from ft. to ft.

Surface seal: Yes X No ☐ To what depth? 18 ft.
Material used in seal Puddling clay Bentonite & cement
Did any strata contain unusable water? Yes ☐ No ☐
Type of water? Depth of strata
Method of sealing strata off

(7) PUMP: Manufacturer's Name
Type H.P.

(8) WATER LEVELS: Land-surface elevation above mean sea level Artesian ft
Static level ft below top of well Date
Artesian pressure lbs per square inch Date
Artesian water is controlled by (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☐ No X If yes, by whom?
Yield gal/min with ft drawdown after hrs

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test
Bailer test 10 gal/min with 50 ft drawdown after 2 hrs
Artesian flow g.p.m Date July 11 1981
Temperature of water Was a chemical analysis made? Yes ☐ No X

(10) WELL LOG:

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL	FROM	TO
Brn clay filld gravel	0	5
gray hardpan	5	28
Blue clay filld coarse sand	28	33
gray hardpan	33	50
Blue clay	50	81'6"
coarse sand	81'6"	96'9"
Finer sand & Brn peat	96'9"	

Work started July 7, 1981 Completed July 11, 1981

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME Puget Sound Well Drilling (Person, firm, or corporation) (Type or print)

Address 18365 Diamond Dr. NE Poulsbo 98370

[Signed] Ronald D. Duckwood (Well Driller)

License No 1148 Date July 20, 1981

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050 1 20

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

Ref 753

map 2/5

KITSAP COUNTY PUD #1
PRIVATE WELL/CONSERVATION PROGRAM

LAB NO. _____

ACCOUNT NO. _____ DIV. _____

CUSTOMER NAME (PLEASE PRINT) Frank Karreman (FIRST) (LAST)

ADDRESS WHERE SHOWERHEAD INSTALLED:

STREET 231 Gowen Pl. NW UNIT # _____

CITY Bainbridge Is STATE WA ZIP 98110

CUSTOMER'S SIGNATURE no one home DATE 3/31/92
no devices left

QUANTITY	BRAND	PROGRAM/DELIVERY METHOD
	Ondine Showerhead	(4) Business Office
	Kitchen Aerator	(1) Single Family
_____	Bath Aerator	_____ (4) Contractor Installed

PUD ACCT # 000464 WELL ID # AAA300 LOCAL # 25N/02E-27L

ELEVATION 20' topo 18 ~~alt~~ im 6/9/92 LATITUDE/LONGITUDE 47° 37.58N / 122° 32.18W same lat/long but better PDOP PDOP 8.0 Sat 14 12 Sq 9 9 7

(D) _____ DRILLED(W) _____ SPRING(S) _____ New lat/lon

ORIGINAL OWNER John Rudolf DRILLER Puget Sound

YEAR DRILLED 1982 WELL DEPTH 100' PDOP 1.9 2 12 18 9 9 9

842-7748

PHONE # 842-1253 TIME BEGAN 10:28 TIME COMPLETED 11:08

DESCRIPTION OF MEASURING PT. (MP) bolts and access plug rusted shut — no sounding

HEIGHT OF MP ABOVE/BELOW LAND SURFACE / BacT A

DEPTH TO WATER BELOW MP / DEPTH TO WATER BELOW LS /

TEMPERATURE 51.8 SPECIFIC CONDUCTIVITY 157.9 ph 8.25

Nitrate mg/L 0.9 Fe mg/L 0.30 Mn mg/L 0.112

COLOR clear ODOR sulfur APPEARANCE normal

SAMPLING POINT DESCRIPTION outside hose bib

REMARKS Off Wyatt way, west end near sportsman club Rd, right at fork 2nd house on left, trees being planted

SAMPLING PERSONNEL BA

DISPLACEMENT BAG INSTALLED _____ YES _____ (NO)

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

File Original and First Copy with Department of Ecology
Second Copy—Owner's Copy
Third Copy—Driller's Copy

WATER WELL REPORT

STATE OF WASHINGTON

Start Card No. 924272

25/1E/13D

Water Right Permit No. _____

(1) OWNER: Name Ron Whitener Address Courtney Rd., Silverdale, Wa.

(2) LOCATION OF WELL: County Kitsap W ½ NW ¼ Sec. 13 T. 25 N., R. 1E W.M.

(2a) STREET ADDDRESS OF WELL (or nearest address) _____

(3) PROPOSED USE: [X] Domestic [ ] Industrial [ ] Municipal [ ] Irrigation [ ] Test Well [ ] Other [ ] DeWater

(4) TYPE OF WORK: Owner's number of well (if more then one) _____

Abandoned [ ] New well [X] Method: Dug [ ] Bored [ ] Deepened [ ] Cable [X] Driven [ ] Reconditioned [ ] Rotary [ ] Jetted [ ]

(5) DIMENSIONS: Diameter of well 6 inches. Drilled 423 feet. Depth of completed well 423 ft.

(6) CONSTRUCTION DETAILS:

Casing Installed: 6" Diam. from 0 ft. to 423 ft.
Welded [X] Liner installed [ ] Threaded [ ] _____" Diam. from _____ ft. to _____ ft.
_____" Diam. from _____ ft. to _____ ft.

Perforations: Yes [X] No [ ]
Type of perforator used Mills Knife
SIZE of perforations 1/8" in. by _____ in.
238 perforations from 238 ft. to 240 ft.
228 perforations from 228 ft. to 229 ft.
_____ perforations from _____ ft. to _____ ft.

Screens: Yes [X] No [ ]
Manufacturer's Name Johnson
Type Stainless Steel Model No. Sand Pack
Diam. 6" Slot size #4 from 241 ft. to 228 ft.
Diam. _____ Slot size _____ from _____ ft. to _____ ft.

Gravel packed: Yes [ ] No [ ] Size of gravel _____
Gravel placed from _____ ft. to _____ ft.

Surface seal: Yes [X] No [ ] To what depth? 22 ft.
Material used in seal Bentonite
Did any strata contain unusable water? Yes [ ] No [ ]
Type of water? _____ Depth of strata _____
Method of sealing strata off _____

(7) PUMP: Manufacturer's Name _____
Type: _____ H.P. _____

(8) WATER LEVELS: Land-surface elevation above mean sea level _____ ft.
Static level 163'6" ft. below top of well Date 11-91
Artesian pressure _____ lbs. per square inch Date _____
Artesian water is controlled by _____ (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes [X] No [ ] If yes, by whom? Driller
Yield: 5 gal./min. with 9'11" ft. drawdown after 4 hrs.
" " " "
" " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test _____
Bailer test _____ gal./min. with _____ ft. drawdown after _____ hrs.
Airtest _____ gal./min. with stem set at _____ ft. for _____ hrs.
Artesian flow _____ g.p.m. Date _____
Temperature of water _____ Was a chemical analysis made? Yes [X] No [ ]

(10) WELL LOG or ABANDONMENT PROCEDURE DESCRIPTION

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of information.

MATERIAL	FROM	TO
Sandy Loam	0	3
Sand, gravel w/clay	3	14
fine Sand w/some clay	14	60
Very fine Sand w/trace of Clay	60	143
Sandy clay	143	155
fine Sandy clay	155	162
Blue Clay	162	224
Sandy clay	224	228
Pea Gravel	228	229
Very fine Sand, Trace of clay	229	238
Coarse Sand	238	240
Sandy Clay	240	344
grey clay	344	423

RECEIVED
DEC 12 1991
DEPT. OF ECOLOGY

Work started 10-, 19 91 Completed 11-, 19 91

WELL CONSTRUCTOR CERTIFICATION:

I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

NAME Burt Well Drilling, Inc. (PERSON, FIRM, OR CORPORATION) (TYPE OR PRINT)

Address 19782 N.E. Lincoln Rd. Poulsbo

(Signed) George Burt (WELL DRILLER) License No. 0048

Contractor's Registration No. BURTWI*227BU Date Dec. 9, 19 91

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20 (10-87) -1329 3

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

25/2-21J

Start Card No. 003104

File Original and First Copy with Department of Ecology
Second Copy—Owner's Copy
Third Copy—Driller's Copy

WATER WELL REPORT

STATE OF WASHINGTON

Water Right Permit No. _____

(1) OWNER: Name City of Winslow Address 625 Winslow Way, Winslow WA. 98110

(2) LOCATION OF WELL: County Kitsap NE ¼ of SE ¼ Sec 21 T 25 N., R 2E W.M.

(2a) STREET ADDDRESS OF WELL (or nearest address) _____

(3) PROPOSED USE: ☐ Domestic ☐ Industrial ☐ Municipal ☒
☐ Irrigation ☐ Test Well ☒ Other ☐
☐ DeWater

(4) TYPE OF WORK: Owner's number of well (if more than one) Sands Road Well
Abandoned ☐ New well ☐ Method: Dug ☐ Bored ☐
Deepened ☒ Cable ☐ Driven ☐
Reconditioned ☐ Rotary ☒ Jetted ☐

(5) DIMENSIONS: Diameter of well 8 inches.
Drilled 808 feet. Depth of completed well 1053 ft.

(6) CONSTRUCTION DETAILS:
Casing installed: 8 " Diam. from +3 ft. to 1101 ft.
Welded ☒ except at screens Diam. from ____ ft. to ____ ft.
Liner installed ☐
Threaded ☐ ____ " Diam. from ____ ft. to ____ ft.

Perforations: Yes ☐ No ☒
Type of perforator used _____
SIZE of perforations _____ in. by _____ in.
_____ perforations from _____ ft. to _____ ft.
_____ perforations from _____ ft. to _____ ft.
_____ perforations from _____ ft. to _____ ft.

Screens: Yes ☒ No ☐
Manufacturer's Name Johnson
Type V-shape Wire Wrap 304SS Model No. _____
Diam. 8" Slot size .040 from 874 ft. to 899 ft.
Diam. 8" Slot size .030 from 990 ft. to 1015 ft.

Gravel packed: Yes ☐ No ☒ Size of gravel _____
Gravel placed from _____ ft. to _____ ft.

Surface seal: Yes ☐ No ☐ not changed To what depth? _____ ft.
Material used in seal _____
Did any strata contain unusable water? Yes ☐ No ☐
Type of water? _____ Depth of strata _____
Method of sealing strata off _____

(7) PUMP: Manufacturer's Name _____
Type: _____ H.P. _____

(8) WATER LEVELS: Land-surface elevation above mean sea level approx. 160 ft.
Static level 128 ft. below top of well Date 3/30/89
Artesian pressure _____ lbs. per square inch Date _____
Artesian water is controlled by _____ (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☒ No ☐ If yes, by whom? SEI
Yield: 288 gal./min. with 27 ft. drawdown after 4 hrs.
" 288 " 28 " 8 "
" 288 " 30 " 24 "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level
1 min	133.0	20 min	131.8	100min	130.9
5 min	132.3	30 min	131.2		
10 min	132.0	60 min	131.1		

Data of test 3/30-31/89

Boiler test _____ gal./min. with _____ ft. drawdown after _____ hrs.
Airlest _____ gal./min. with stem set at _____ ft. for _____ hrs.
Artesian flow _____ g.p.m. Date _____
Temperature of water _____ Was a chemical analysis made? Yes ☐ No ☒

(10) WELL LOG or ABANDONMENT PROCEDURE DESCRIPTION

Formation: Describe by color, charactor, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of information.

MATERIAL	FROM	TO
Clay, grey, soft	321	380
Clay, grey & brown layers, soft	380	410
Sand, grey, fine	410	423
Clay, grey, soft	423	621
Sand, coarse & pea gravel	621	623
Clay, grey, soft	623	637
Sand, coarse & pea gravel	637	641
Clay, grey, soft	641	657
Sand, coarse & pea gravel	657	670
Clay, grey, med-soft	670	843
Clay, brown & large gravel	843	852
Gravel & coarse sand	852	870
Sand, coarse, multi-colored & some gravel	870	912
Clay, grey, med-soft, occ. rock	912	935
Sand, coarse, multi-colored	935	983
Sand, coarse & some gravel	983	1028
Sand & gravel	1028	1063
Sand, gravel & clay layers	1063	1080
Clay, grey, soft	1080	1129
Backfilled hole from 1129 up to 1053 with pea gravel & bentonite pellets		

RECEIVED
APR 26 1989
DEPARTMENT OF ECOLOGY
NORTHWEST REGION

Work started 2/15/89 19 Completed 4/13 19 89

WELL CONSTRUCTOR CERTIFICATION:

I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

NAME Schneider Equipment, Inc. (PERSON, FIRM, OR CORPORATION) (TYPE OR PRINT)
Address 21881 River Road NE St. Paul, OR 97137
(Signed) _____ (WELL DRILLER) License No. 0643
Contractor's Registration No. SCHNEI*226LG Date 4/19 19 89

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 060-1-20 (10/87) -1329-

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

25/2E/21 J

File Original and First Copy with Department of Ecology
Second Copy—Owner's Copy
Third Copy—Driller's Copy

WATER WELL REPORT

STATE OF WASHINGTON

Start Card No. 026509

Water Right Permit No.

(1) OWNER: Name City of Winslow Address 625 Winslow Way East, Winslow, WA 98110

(2) LOCATION OF WELL: County Kitsap NE ¼ of SE ¼ Sec 21 T 25 N., R 2E W.M.

(2a) STREET ADDDRESS OF WELL (or nearest address) Sands Ave, Bainbridge Island, WA

(3) PROPOSED USE: ☐ Domestic ☐ Industrial ☐ Municipal ☒ ☐ Irrigation ☐ Test Well ☐ Other ☐ ☐ DeWater

(4) TYPE OF WORK: Owner's number of well (if more than one) Sands Ave #2

Abandoned ☐ New well ☒ Method: Dug ☐ Bored ☐ Deepened ☐ Cable ☐ Driven ☐ Reconditioned ☐ Rotary ☒ Jetted ☐

(5) DIMENSIONS: Diameter of well 10 inches. Drilled 1058 feet. Depth of completed well 1055* ft.

(6) CONSTRUCTION DETAILS:

Casing installed: 10" Diam. from +4 ft. to 1058 ft.
Welded ☒ except at screens Diam. from ft. to ft.
Liner Installed ☐
Threaded ☐ " Diam. from ft. to ft.

Perforations: Yes ☐ No ☒
Type of perforator used
SIZE of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

Screens: Yes ☒ No ☐
Manufacturer's Name Johnson Filtration
Type 304SS - xtra col&collapse Model No.
Diam. 10 Slot size top 5' is .020 from 904 ft. to 924 ft.
Diam. 10 Slot size rest .040 from 985 ft. to 1040 ft.

Gravel packed: Yes ☐ No ☒ Size of gravel
Gravel placed from ft. to ft.

Surface seal: Yes ☒ No ☐ To what depth? 20 ft.
Material used in seal
Did any strata contain unusable water? Yes ☐ No ☐
Type of water? Depth of strata
Method of sealing strata off

(7) PUMP: Manufacturer's Name
Type: H.P.

(8) WATER LEVELS: Land-surface elevation above mean sea level approx. 170 ft.
Static level 140.7 ft. below top of well Date 1/31/91
Artesian pressure lbs. per square inch Date
Artesian water is controlled by (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☒ No ☐ If yes, by whom? SEI
Yield: 600 gal./min. with 51.9 ft. drawdown after 1 hrs.
" " " 58.2 " 8 "
" " " 62.5 " 24 "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level
6 min	154.0	16	152.1	40	150.9
8	153.3	20	151.7	50	150.7
10	153.1	30	151.4	60	150.5

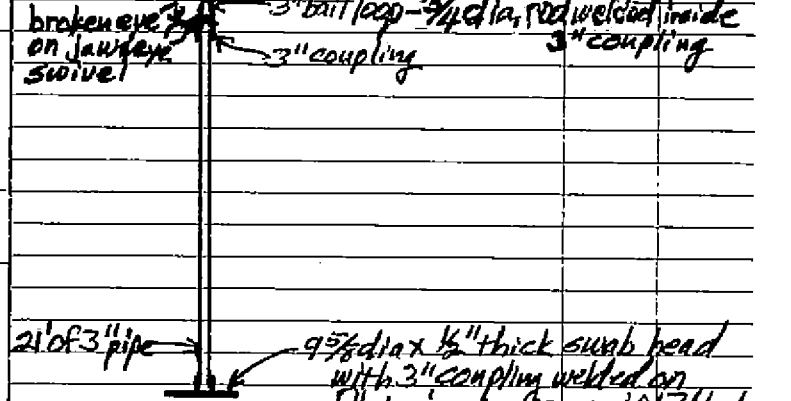
Date of test 1/31/91 - 2/1/91

Bailer test gal./min. with ft. drawdown after hrs.
Airtest gal./min. with stem set at ft. for hrs.
Artesian flow g.p.m. Date
Temperature of water 54° F Was a chemical analysis made? Yes ☐ No ☐

(10) WELL LOG or ABANDONMENT PROCEDURE DESCRIPTION

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of information.

MATERIAL	FROM	TO
see attached sheet		
* A development swab is stuck in the screen at approximately 1017'. It was elected to leave the swab in the well rather than jeopardize the whole well by further attempts at removal. The swab became stuck because of apparent screen egging probably resulting from external formation forces.		



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FEB 28 1991
DEPT OF ECOLOGY

Work started 10/11/90 19. Completed 2/1 19 91

WELL CONSTRUCTOR CERTIFICATION:

I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

NAME Schneider Equipment, Inc. (PERSON, FIRM, OR CORPORATION) (TYPE OR PRINT)
Address 21881 River Road NE Ft. Paul, OR 97137
(Signed) Stephen J. Schneider (WELL DRILLER) Driller License No. 0643
Contractor's Registration No. SCHNEI*226LG Date 2/8 19 91

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20 (10/87) -1329-

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

25/2E/21 5

City of Winslow
Sands Avenue Well #2

by Schneider Equipment, Inc.

From	To	Description
0	2	Top soil, brown w/ some gravel
2	25	Gravel, sand & clay, conglomerate
25	60	Gravel, sand & clay, cemented
60	76	Gravel & sand, cemented
76	116	Gravel, lg-sml, layered & sand, coarse-medium
116	140	Sand, coarse-fine, grey
140	167	Sand, medium, grey & multi-colored pea gravel
167	174	Conglomerate, sand, grey clay, pea gravel
174	176	Clay, grey
176	245	Clay, grey, silty & gravel
245	282	Clay, grey & wood, soft, brown & black
282	286	Claystone, white (pumice like)
286	325	Clay, grey, medium
325	328	Wood & clay, grey
328	345	Clay, grey, firm & sand, coarse, some wood
345	351	Gravel & sand, coarse
351	363	Clay, dark grey-blue, silty, soft
363	385	Clay, dark grey-blue, sticky, firm
385	400	Clay, greenish-grey, dry, firm
400	433	Clay, grey, medium
433	538	Clay, grey, sticky, firm
538	580	Clay, grey, soft
580	637	Clay, grey, soft with some gravel
637	655	Gravel & sand, coarse with some clay layers
655	670	Clay, grey, soft
670	703	Clay, grey, soft with some gravel layers
703	723	Gravel & sand, coarse
723	810	Clay, grey, soft
810	837	Clay, grey, sandy, some small gravel
837	838	Clay, grey, sandy with small gravel & wood
838	847	Clay, grey, soft, sticky
847	868	Clay, grey & brown, some gravel
868	878	Gravel & sand, a little sandy clay
878	908	Gravel & sand, some clay, sandy
908	930	Gravel, large & sand, coarse
930	940	Clay, grey, silty, medium
940	960	Clay, reddish-brown, sandy with some gravel
960	978	Clay, reddish-brown, sandy, soft
978	1050	Sand, coarse & gravel, small
1050	1058	Clay, grey & brown, silty, soft, some gravel

F0233.COW

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The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

25/6E/21 J

SCHNEIDER EQUIPMENT, INC.
21881 River Road N.E.
ST. PAUL, OREGON 97137

(503) 633-2666

LETTER OF TRANSMITTAL

TO NW Regional Office - DOE
4350 150th Avenue NE
Redmond, WA 98052

DATE 3/29/91 | JOB NO.
ATTENTION
RE: City of Winslow Well Log
Start Card No. 026509

WE ARE SENDING YOU ☒ Attached ☐ Under separate cover via _____ the following items:

☐ Shop drawings ☐ Prints ☐ Plans ☐ Samples ☐ Specifications
☐ Copy of letter ☐ Change order ☐ _____

RECEIVED
APR 05 1991
DEPARTMENT OF ECOLOGY
NORTHWEST REGION

COPIES	DATE	NO.	DESCRIPTION
2	2/8/91		Water Well Report

THESE ARE TRANSMITTED as checked below:

☐ For approval ☐ Approved as submitted ☐ Resubmit ____ copies for approval
☒ For your use ☐ Approved as noted ☐ Submit ____ copies for distribution
☐ As requested ☐ Returned for corrections ☐ Return ____ corrected prints
☐ For review and comment ☐ _____
☐ FOR BIDS DUE _____ 19____ ☐ PRINTS RETURNED AFTER LOAN TO US

REMARKS The attached report reflects an initialed change on the location of the swab head plate from 1017' to 1030'. A video review of the well established the more accurate location. Please discard all previous copies of this report which we sent you.

COPY TO City of Winslow w/encl
Robinson & Noble w/encl

SIGNED: Stephen J. Schneider

If enclosures are not as noted, kindly notify us at once.

PRODUCT 240-2 NEBS Inc. Groton, Mass. 01471

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

25/26E/21 J

City of Winslow
Sands Avenue Well #2

by Schneider Equipment, Inc.

From	To	Description
0	2	Top soil, brown w/ some gravel
2	25	Gravel, sand & clay, conglomerate
25	60	Gravel, sand & clay, cemented
60	76	Gravel & sand, cemented
76	116	Gravel, lg-sml, layered & sand, coarse-medium
116	140	Sand, coarse-fine, grey
140	167	Sand, medium, grey & multi-colored pea gravel
167	174	Conglomerate, sand, grey clay, pea gravel
174	176	Clay, grey
176	245	Clay, grey, silty & gravel
245	282	Clay, grey & wood, soft, brown & black
282	286	Claystone, white (pumice like)
286	325	Clay, grey, medium
325	328	Wood & clay, grey
328	345	Clay, grey, firm & sand, coarse, some wood
345	351	Gravel & sand, coarse
351	363	Clay, dark grey-blue, silty, soft
363	385	Clay, dark grey-blue, sticky, firm
385	400	Clay, greenish-grey, dry, firm
400	433	Clay, grey, medium
433	538	Clay, grey, sticky, firm
538	580	Clay, grey, soft
580	637	Clay, grey, soft with some gravel
637	655	Gravel & sand, coarse with some clay layers
655	670	Clay, grey, soft
670	703	Clay, grey, soft with some gravel layers
703	723	Gravel & sand, coarse
723	810	Clay, grey, soft
810	837	Clay, grey, sandy, some small gravel
837	838	Clay, grey, sandy with small gravel & wood
838	847	Clay, grey, soft, sticky
847	868	Clay, grey & brown, some gravel
868	878	Gravel & sand, a little sandy clay
878	908	Gravel & sand, some clay, sandy
908	930	Gravel, large & sand, coarse
930	940	Clay, grey, silty, medium
940	960	Clay, reddish-brown, sandy with some gravel
960	978	Clay, reddish-brown, sandy, soft
978	1050	Sand, coarse & gravel, small
1050	1058	Clay, grey & brown, silty, soft, some gravel

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APR 0 9 1991
DEPARTMENT OF ECOLOGY
NORTHWEST REGION

F0233.COW

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT
STATE OF WASHINGTON 25/2-34C

Application No 51-24249
Permit No

(1) OWNER: Name Sanderson Address

(2) LOCATION OF WELL: County Kitsap — NE¼ NW¼ Sec 34 T 25 N., R 2E W.M.
Bearing and distance from section or subdivision corner lot 1, Harbor crest

(3) PROPOSED USE: Domestic ☒ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

(4) TYPE OF WORK: Owner's number of well (if more than one)
New well ☒ Method: Dug ☐ Bored ☐
Deepened ☐ Cable ☒ Driven ☐
Reconditioned ☐ Rotary ☐ Jetted ☐

(5) DIMENSIONS: Diameter of well 6 inches.
Drilled 149 ft. Depth of completed well 149 ft.

(6) CONSTRUCTION DETAILS:
Casing installed: 6 " Diam. from 0 ft. to 149 ft.
Threaded ☐ " Diam. from ft. to ft.
Welded ☒ " Diam. from ft. to ft.

Perforations: Yes ☐ No ☒
Type of perforator used
SIZE of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

Screens: Yes ☒ No ☐
Manufacturer's Name Johnson
Type Stainless Steel Model No.
Diam. 6" Slot size #12 from 138 ft. to 149 ft.
Diam Slot size from ft. to ft.

Gravel packed: Yes ☐ No ☒ Size of gravel:
Gravel placed from ft. to ft.

Surface seal: Yes ☒ No ☐ To what depth? 22 ft.
Material used in seal Bentonite
Did any strata contain unusable water? Yes ☐ No ☐
Type of water? Depth of strata
Method of sealing strata off

(7) PUMP: Manufacturer's Name
Type: H.P.

(8) WATER LEVELS: Land-surface elevation above mean sea level ft.
Static level 32 ft. below top of well Date 2-10
Artesian pressure lbs. per square inch Date
Artesian water is controlled by (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☐ No ☐ If yes, by whom?
Yield: 67 gal./min. with 52 ft. drawdown after 6 hrs.
" 67 " " " "
" " " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test
Bailer test 65 gal./min. with 50 ft. drawdown after 6 hrs.
Artesian flow g.p.m. Date
Temperature of water Was a chemical analysis made? Yes ☐ No ☐

(10) WELL LOG:
Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL	FROM	TO
Top Soil	0	3
Sandy Hardpan	3	9
Silty clay	9	30
" "	30	110
Silty Sandy Clay	110	130
Coarse Blue Sand & water	130	134
Blue cemented Sand & Gravel	134	140
Blue Coarse Sand & water	140	149
Blue Sand w/clay	149	

Work started 2-3, 1983 Completed 2-10, 1983

WELL DRILLER'S STATEMENT:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME Burt Well Drilling, Inc.
(Person, firm, or corporation) (Type or print)
Address 19782 N.E. Lincoln Rd. Poulsbo Wa. 98370
[Signed] George O. Burt
(Well Driller)
License No. 0048 Date 2-11, 1983

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT

STATE OF WASHINGTON

Application No. 61-24249
Permit No. ACD357
25/2E-34C

(1) OWNER: Name Sanderson Address

(2) LOCATION OF WELL: County Kitsap NE¼ NW¼ Sec 34 T 25 N. R 2E W.M.
Bearing and distance from section or subdivision corner lot 1 Harborcrest

(3) PROPOSED USE: Domestic ☒ Industrial ☐ Municipal ☐ Irrigation ☐ Test Well ☐ Other ☐

(4) TYPE OF WORK: Owner's number of well (if more than one) HARBOR CREST
New well ☒ Method: Dug ☐ Bored ☐ Deepened ☐ Cable ☒ Driven ☐ Reconditioned ☐ Rotary ☐ Jetted ☐

(5) DIMENSIONS: Diameter of well 6 inches. Drilled 149 ft. Depth of completed well 149 ft.

(6) CONSTRUCTION DETAILS:
Casing installed: 6" Diam. from 0 ft. to 149 ft.
Threaded ☐ " Diam. from ft. to ft.
Welded ☒ " Diam. from ft. to ft.

Perforations: Yes ☐ No ☒
Type of perforator used
SIZE of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

Screens: Yes ☒ No ☐
Manufacturer's Name Johnson
Type Stainless Steel Model No.
Diam. 6" Slot size #12 from 138 ft. to 149 ft.
Diam. Slot size from ft. to ft.

Gravel packed: Yes ☐ No ☒ Size of gravel:
Gravel placed from ft. to ft.

Surface seal: Yes ☒ No ☐ To what depth? 22 ft.
Material used in seal Bentonite
Did any strata contain unusable water? Yes ☐ No ☐
Type of water? Depth of strata
Method of sealing strata off

(7) PUMP: Manufacturer's Name
Type: H.P.

(8) WATER LEVELS: Land-surface elevation above mean sea level 80' ft.
Static level 32 ft. below top of well Date 2-10
Artesian pressure lbs. per square inch Date
Artesian water is controlled by (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☐ No ☐ If yes, by whom?
Yield: 67 gal./min. with 50 ft. drawdown after 6 hrs.
" 67 " " " "

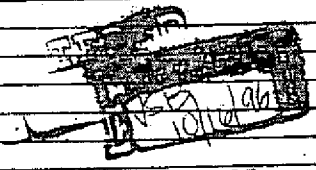
Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test
Bailer test 65 gal./min. with 50 ft. drawdown after 6 hrs.
Artesian flow g.p.m. Date
Temperature of water Was a chemical analysis made? Yes ☐ No ☐

(10) WELL LOG:
Formation: Describe by color, character, size of material and structure; and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL	FROM	TO
Top Soil	0	3
Sandy Hardpan	3	9
Silty clay	9	30
" "	30	110
Silty Sandy Clay	110	130
Coarse Blue Sand & Water	130	134
Blue cemented Sand & Gravel	134	140
Blue Coarse Sand & Water	140	149
Blue Sand w/clay	149	
HARBOR CREST ID#018324		



SCREEN ELEV ~ 72 to 72
738 -149
-66 -77

Grid 42-3

ENGINEER DESIGN REPORT
72' PRO ALTIMETER 6/9/97

DEPARTMENT OF ECOLOGY
NORTHWEST REGION
FEB 11 1998

Work started 2-3 19 83 Completed 2-10 19 83

WELL DRILLER'S STATEMENT:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME Burt Well Drilling, Inc. (Person, firm, or corporation) (Type or print)
Address 19782 N.E. Lincoln Rd. Poulsbo, Wa. 9835
[Signed] George D. Burt (Well Driller)
License No. 0045 Date 2-11 19 83

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20

ACD357

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

WASHINGTON STATE DEPARTMENT OF ECOLOGY

KPUD – Harbor Crest WATER SYSTEM

PARCEL I.D. = 650500000010006

UNIQUE WELL I.D. NUMBER A C 0 3 5 7 (X Y Z 1 2 3)

ENTERED

WELL TAGGING FORM

Date of Field Visit 6/9/97 By M SEBREN, KPUD

ADDITIONAL WELL IDENTIFIERS

Department of Health System ID Number 01832W Source Number SO 1

USGS Site Identification _____

RECORD VERIFICATION

☒ Well Report available *(please attach)*
☐ Well Report not available
☐ Verification inconclusive

WELL OWNERSHIP, IF DIFFERENT FROM WELL REPORT

Name PUBLIC UTILITY DISTRICT No. 1 OF KITSAP COUNTY

Street address PO Box 1989

City POULSBO State WA 98370

LOCATION OF WELL, IF DIFFERENT FROM WELL REPORT

Well Address INTERSECTION OF N.E. EAGLE DRIVE AND HARBOR CREST DRIVE N.E.

City BAINBRIDGE ISLAND County KITSAP

T. 25 N. R. 02 E W.M. Sec. 34C NE ¼ of the NW ¼

PDOP 3.2

Latitude 47 ° 37 ' ~~15~~ 14:40 "

Longitude 122 ° 31 ' ~~50~~ 55.79 "

☒ GPS (raw data)
☐ GPS (corrected)
☐ Topographic Map
☐ Survey
☐ Computer generated
☐ Other GOOGLE EARTH 8/16/11

Elevation at land surface 72 feet/meters *(circle one)*

☒ Digital Altimeter
☐ Topographic Map

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

☑ Construction ☐ Decommission — Original Installation Notice of Intent Number: 502232

Washington State Dept. of Ecology Water Well Report

Original-Ecology, Copy 1-Owner, Copy 2-Driller

Proposed Use: ☑ Domestic ☐ Industrial ☐ Municipal ☐ DeWater ☐ Irrigation ☐ Test Well Other

Type of Work:

Owners number of well (if more than one):

☑ New Well ☐ Reconditioned ☐ Dug ☐ Bored ☐ Driven ☐ Deepened ☑ Cable ☐ Rotary ☐ Jetted

Dimensions

Diameter of well inches: 6 Feet Drilled: 76

Depth of Completed Well Ft: 76

Construction Details: Casing Installed:

☑ Welded 6 " Diam. from 0 ft to: 71 ft

☐ Liner " Diam from 0 ft to 0 ft

☐ Threaded 0 " Diam from 0 ft to 0 ft

Perforations: ☐ Yes ☑ No

Type of perforator used:

Perf Size 0 in by 0 in and no of perfs 0 from 0 ft to 0

Screens: ☑ Yes ☐ No ☐ K-Pac Location: 66

Manufacuters Name: Alloy

Type: stainless Model No:

Diam 6 Slot Size: 6 from 71 ft to 76 ft

Diam 0 Slot Size: 0 from 0 ft to 0 ft

Gravel/Filter Packed: ☐ Yes ☑ No Size of Gravel/Sand:

Materials placed from: 0 ft to 0 ft

Surface Seal ☑ Yes ☐ No To what depth? 20 ft

Material Used in Seal: Bentonitr

Did any strata contain unusable water? ☐ Yes ☑ No

Type of Water? Depth of strata 0 ft

Method of sealing strata off:

Pump: Manufacturers Name: STA RITE

Type: 15p submersible HP: 3/4

Water Levels: Land-surface elvation above mean sea level 40 ft

Static level 25 ft below top of well. Date: 11/1/2013

Artesian pressure 0 lbs per square in. Date

Artesian water is controlled by:

Well Tests:

Was a pump test made? ☑ Yes ☐ No If yes by whom? driller

Yield: 20 gal/min with 18 ft drawdown after 3 hrs

Yield: 0 gal/min with 0 ft drawdown after 0 hrs

Yield: 0 gal/min with 0 ft drawdown after 0 hrs

Time	Water Level	Time	Water Level	Time	Water Level
1:01	43	1:02	36	1:03	30
11:04	26	1:05	25		0
	0		0		0

Pump Test Date: 11/1/2013

Bailer Test 15 gal/min with 13 ft drawdown after 3 hrs

Airtest 0 w/stem set at 0 ft for 0 hrs

Artesian flow 0 g.p.m Date

Temp of Water: Was a chemical analysis made? ☑ Yes ☐ No

Current:

Notice of Intent No: W356855

Unique Ecology Well ID Tag No BHZ153

Water Right Permit No:

Property Owner Name: Mr & Mrs Schulman

Well Street Address: 3832 Pleasant Beach

City B.I. County: #18 KITSAP

Location NW 1/4-1/4 SW 1/4 Sec 3 Twn: 24N R: 2

Lat Deg: Lat Min/Sec: ☑ EWM ☐ WWM

Long Deg: Long Deg/Sec:

Tax Parcel No: 41640060020009

Construction or Decommission Procedure

Formation: Describe by color, character, size of material and structure, and the kind and nature of material in each stratum penetrated, with at least one entry for each change of information indicate all the water encountered.

Material		From	T
Cemented sand & gravel	brown	0	3
Hardpan rocky	brown	3	18
Sand & gravel cemented	brown	18	30
Sand compact	brown	30	58
Sand & water	brown	58	74
Sand & gravel cemented	brown	74	
		0	0
		0	0
		0	0
		0	0
		0	0
		0	0
		0	0
		0	0
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RECEIVED NOV 00 2013 DEPT OF ECOLOGY NWRO - WRE

Start Date: 10/21/2013 Completed Date: 11/1/2013

Well Construction Certification: I constructed and/or accept responsibility for the construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

☑ Driller ☐ Engineer ☐ Trainee Name: Mike Crabtree

Driller/Engineer/Trainee Signature Mike Crabtree

Driller or Trainee License No: 2160

If trainee, licensed driller's

Signature and License No.

Drill Co Name: Crabtree Well Drilling

Address: 33349 Eglon Rd NE

City,State,Zip: Kingston, WA 98346-

Contractors Registration No: CRABTDC936DZ Date: 11/3/2013

File Original and First Copy with Department of Ecology
Second Copy -- Owner's Copy
Third Copy -- Driller's Copy

WATER WELL REPORT
STATE OF WASHINGTON

Application No
Permit No

(1) OWNER: Name Steve Cobb Address P.O. Box 1832 B.E., Wash. 9811c

(2) LOCATION OF WELL: County Kitsap SW¼ of NE¼ NE¼ Sec. 20 T. 25 N., R. 2 E. W.M.

Bearing and distance from section or subdivision corner

(3) PROPOSED USE: Domestic [X] Industrial [ ] Municipal [ ]
Irrigation [ ] Test Well [ ] Other [ ]

(4) TYPE OF WORK: Owner's number of well (if more than one)
New well [X] Method: Dug [ ] Bored [ ]
Deepened [ ] Cable [X] Driven [ ]
Reconditioned [ ] Rotary [ ] Jetted [ ]

(5) DIMENSIONS: Diameter of well 6 inches.
Drilled 52 ft. Depth of completed well 52 ft.

(6) CONSTRUCTION DETAILS:

Casing installed:
Threaded [ ] " Diam. from ft. to ft.
Welded [X] 6 " Diam. from 0 ft. to 47 ft.

Perforations: Yes [ ] No [X]
Type of perforator used
SIZE of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

Screens: Yes [X] No [ ]
Manufacturer's Name Johnson
Type Stainless Model No
Diam. Slot size from ft. to ft.
Diam. 6 Slot size 14 from 47 ft. to 52 ft.

Gravel packed: Yes [ ] No [X] Size of gravel:
Gravel placed from ft. to ft.

Surface seal: Yes [X] No [ ] To what depth? 20 ft.
Material used in seal Bentonite
Did any strata contain unusable water? Yes [ ] No [X]
Type of water? Depth of strata.
Method of sealing strata off

(7) PUMP: Manufacturer's Name Sta-Rite
Type: Jet H.P. ½

(8) WATER LEVELS: Land-surface elevation above mean sea level 20 ft
Static level 10 ft. below top of well Date 9-10-82
Artesian pressure lbs. per square inch Date
Artesian water is controlled by. (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes [X] No [ ] If yes, by whom? Driller
Yield: gal./min with ft. drawdown after hrs.

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test
Bailer test 14 gal./min. with 10 ft. drawdown after 3 hrs.
Artesian flow g.p.m. Date
Temperature of water Was a chemical analysis made? Yes [ ] No [X]

(10) WELL LOG:

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL		FROM	TO
Sandy loam	Brown	0	2
Sand & rocks	"	2	8
Sand - Clay/silt	"	8	13
Hard pan	"	13	24
Sand & gravel - Cemented	Blue	24	30
Clay	"	30	32
Sand & gravel (~~water~~) Cemented	"	32	34
Sand & gravel (3 GPM)	"	34	36
Sand & gravel - Cemented	"	36	46
Gravel & sand	"	46	52

Work started Sept 2, 19 82 Completed Sept 10, 19 82

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME CRABTREE DRILLING CO. (Person, firm, or corporation) (Type or print)

Address 33349 EGLON RD. NE, KINGSTON

[Signed] Jerry Crabtree (Well Driller)

License No. 82 Date Sept. 17, 19 82

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

ENTERED

WATER WELL REPORT

STATE OF WASHINGTON

Start Card No. W 057009
Unique Well I.D. # AAE967
Water Right Permit No.

(1) OWNER: Name SCOGGINS, KELLEY Address 3128 WOODS RD E PORT ORCHARD, WA 98366- 24/2E 20 D

(2) LOCATION OF WELL: County KITSAP - NW 1/4 NW 1/4 Sec 20 T 24 N., R 2E WM
(2a) STREET ADDRESS OF WELL (or nearest address) 2879 MOUNTAIN VIEW RD E, PORT ORCHARD

(3) PROPOSED USE: DOMESTIC

(4) TYPE OF WORK: Owner's Number of well (If more than one)
NEW WELL Method: AIR ROTARY

(5) DIMENSIONS: Diameter of well 6 inches
Drilled 457.1 ft. Depth of completed well 457.1 ft.

(6) CONSTRUCTION DETAILS:
Casing installed: 6 * Dia. from 0 ft. to 446.8 ft.
WELDED * Dia. from ft. to ft.
* Dia. from ft. to ft.

Perforations: NO
Type of perforator used
SIZE of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

Screens: YES
Manufacturer's Name JOHNSON
Type STAINLESS Model No. TELESCOPING
Diam. 6 slot size .014 from 446.5 ft. to 451.8 ft.
Diam. 6 slot size .016 from 451.8 ft. to 457.1 ft.

Gravel packed: NO Size of gravel
Gravel placed from ft. to ft.

Surface seal: YES To what depth? 18 ft.
Material used in seal BENTONITE
Did any strata contain unusable water? NO
Type of water? Depth of strata ft.
Method of sealing strata off

(7) PUMP: Manufacturer's Name
Type H.P.

(8) WATER LEVELS: Land-surface elevation above mean sea level ... ft.
Static level 258 ft. below top of well Date 11/02/94
Artesian Pressure lbs. per square inch Date
Artesian water controlled by

(9) WELL TESTS: Drawdown is amount water level is lowered below static level.
Was a pump test made? NO If yes, by whom?
Yield: gal./min with ft. drawdown after hrs.

Recovery data

Time	Water Level	Time	Water Level	Time	Water Level

Date of test / /
Bailer test 20 gal/min. 36 ft. drawdown after 1 hrs.
Air test gal/min. w/ stem set at ft. for hrs.
Artesian flow g.p.m. Date
Temperature of water Was a chemical analysis made? NO

(10) WELL LOG

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change in formation.

MATERIAL	FROM	TO
PIPE STICK-UP	0	1
BROWN SAND CLAY SOME GRAVEL	1	4
BROWN SAND	4	11
BROWN CLAY	11	16
BROWN SAND	16	33
BROWN CLAY	33	39
BROWN FINE SAND WET	39	52
GRAY CLAY SEAMS FINE SAND WATER	52	95
GRAY GRAVEL CEMENTED SAND SEEPAGE	95	137
SEEPAGE	95	137
GRAY CLAY SAND & CLAY	137	291
GRAY CLAY LAYERS SAND & CLAY	137	291
GRAY SAND GRAVEL & CLAY SEEPAGE	291	296
GRAY CLAY	296	364
GRAY BROWN CLAY	364	385
GRAY CLAY	385	414
BROWN CLAY	414	431
GRAY CLAY	431	445
GRAY SAND SOME GRAVEL WATER	445	457
LENSES HARD SAND & CLAY	445	457

RECEIVED
NOV 16 1994
DEPT. OF ECOLOGY

Work started 10/27/94 Completed 11/02/94

WELL CONSTRUCTOR CERTIFICATION:
I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

NAME NICHOLSON DRILLING INC
(Person, firm, or corporation) (Type or print)

ADDRESS PO BOX 123

[SIGNED] _____ License No. 0519

Contractor's Registration No. NICHODI137ON Date 11/07/94

File Original and First Copy with Department of Ecology
Second Copy—Owner's Copy
Third Copy—Driller's Copy

WATER WELL REPORT
STATE OF WASHINGTON

Start Card No. 038571
26/2E/33 QL
Water Right Permit No.

(1) OWNER: Name Seibold Church Address 6894 NE Seibold Church Rd. B.F.

(2) LOCATION OF WELL: County Kitsap NE ¼ SW ¼ Sec 33 T 26 N., R 2E W.M.

(2a) STREET ADDDRESS OF WELL (or nearest address)

(3) PROPOSED USE: ☒ Domestic ☐ Industrial ☐ Municipal ☐ ☐ Irrigation ☐ Test Well ☐ Other ☐ ☐ DeWater

(4) TYPE OF WORK: Owner's number of well (if more than one)
Abandoned ☐ New well ☒ Method: Dug ☐ Bored ☐ Deepened ☐ Cable ☒ Driven ☐ Reconditioned ☐ Rotary ☐ Jetted ☐

(5) DIMENSIONS: Diameter of well 6 inches. Drilled 345 feet. Depth of completed well 345 ft.

(6) CONSTRUCTION DETAILS:
Casing Installed: ____" Diam. from ____ ft. to ____ ft.
Welded ☒ 6 " Diam. from 0 ft. to 340 ft.
Liner installed ☐
Threaded ☐ ____" Diam. from ____ ft. to ____ ft.

Perforations: Yes ☐ No ☒
Type of perforator used
SIZE of perforations ____ in. by ____ in.
____ perforations from ____ ft. to ____ ft.
____ perforations from ____ ft. to ____ ft.
____ perforations from ____ ft. to ____ ft.

Screens: Yes ☒ No ☐
Manufacturer's Name Houston
Type Stainless Model No.
Diam. 6 Slot size 4 from 340 ft. to 345 ft.
Diam. ____ Slot size ____ from ____ ft. to ____ ft.

Gravel packed: Yes ☐ No ☒ Size of gravel
Gravel placed from ____ ft. to ____ ft.

Surface seal: Yes ☒ No ☐ To what depth? 20 ft.
Material used in seal Bentonite
Did any strata contain unusable water? Yes ☐ No ☒
Type of water? Depth of strata
Method of sealing strata off

(7) PUMP: Manufacturer's Name Sta-Rite
Type: Jet H.P. 1½

(8) WATER LEVELS: Land-surface elevation above mean sea level 160 ft.
Static level 169-6" ft. below top of well Date 9-11-91
Artesian pressure ____ lbs. per square inch Date
Artesian water is controlled by (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☒ No ☐ If yes, by whom? Driller
Yield: 20 gal./min. with 44'-6" ft. drawdown after 9 hrs.

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level
7:30	214-0	7:33	190-9	7:45	180-4
7:31	203-2	7:34	188-0	8:00	179-2
7:32	194-10	7:35	186-8	8:30	177-11

Date of test
Bailer test 14 gal./min. with 22 ft. drawdown after 4 hrs.
Airtest ____ gal./min. with stem set at ____ ft. for ____ hrs.
Artesian flow ____ g.p.m. Date
Temperature of water ____ Was a chemical analysis made? Yes ☒ No ☐

(10) WELL LOG or ABANDONMENT PROCEDURE DESCRIPTION
Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of information.

MATERIAL		FROM	TO
Top soil	Brown	0	3
Hard pan	"	3	7
Hard pan - Clayish	"	7	21
Silt	Gray	21	32
Clay	Blue	32	40
Clay - Sticky	"	40	125
Silt - Compact	Gray/Black	125	147
Silt - Gravely	Gray	147	154
Silt	Black	154	160
Clay	Blue	160	178
Till	Gray	178	182
Sand + Gravel - Cemented	"	182	189
Clay	Blue	189	225
Clay - Silty - Rocky	Gray	225	251
Clay - Gravely	Blue	251	257
Clay	"	257	277
Silt	"	277	313
Silt - Fine	"	313	323
Sand - Fine - Dusty	"	323	334
Sand - Fine - Dusty	"	334	339
Sand - Fine	"	339	344
Sand - Fine - Clay	"	344	

Work started Aug 26, 19. Completed Sept. 11, 1991

WELL CONSTRUCTOR CERTIFICATION:
I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

NAME CRABTREE DRILLING Co (PERSON, FIRM, OR CORPORATION) (TYPE OR PRINT)
Address 23349 EGLON RD. NE, KINGSTON
(Signed) Jerry Crabtree (WELL DRILLER) License No. 82
Contractor's Registration No. CRABTD 25512 Date Sept. 14, 1991

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 060-1-20 (10/87) -1329-

The Department of Ecology does NOT Warrant the Data and/or the Information on this Well Report.

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

280081

WATER WELL REPORT

26-2E-33E

Original & 1st copy - Ecology, 2nd copy - owner, 3rd copy - driller

Construction/Decommission ("x" in circle)

[X] Construction

[ ] Decommission *ORIGINAL INSTALLATION*

Notice of Intent Number _____

PROPOSED USE: [X] Domestic [ ] Industrial [ ] Municipal [ ] DeWater [ ] Irrigation [ ] Test Well [ ] Other Group B

TYPE OF WORK: Owner's number of well (if more than one) _____

[X] New well [ ] Reconditioned *Method:* [ ] Dug [ ] Bored [ ] Driven [ ] Deepened [ ] Cable [X] Rotary [ ] Jetted

DIMENSIONS: Diameter of well 6 inches, drilled 1005 ft.

Depth of completed well 985 ft.

CONSTRUCTION DETAILS

Casing Installed: [X] Welded 10 " Diam. from 0 ft. to 50 ft.

[ ] Liner installed 6" " Diam. from +2 ft. to 925 ft.

[ ] Threaded _____ " Diam. From _____ ft. to _____ ft.

Perforations: [ ] Yes [X] No

Type of perforator used _____

SIZE of perfs _____ in. by _____ in. and no. of perfs _____ from _____ ft. to _____ ft.

Screens: [X] Yes [ ] No [ ] K-Pac Location _____

Manufacturer's Name Alloy

Type Stainless Steel Model No. _____

Diam. 2 Slot size Blnk from 884 ft. to 905 ft.

Diam. 2 Slot size .015 from 905 ft. to 985 ft.

Gravel/Filter packed: [X] Yes [ ] No Size of gravel/sand Monteray 2/12

Materials placed from 884 ft. to 985 ft.

Surface Seal: [X] Yes [ ] No To what depth? 925 ft.

Material used in seal Neat Cement

Did any strata contain unusable water? [X] Yes [ ] No

Type of water? Salt Water Depth of strata 165

Method of sealing strata off Neat Cement

PUMP: Manufacturer's Name Sta-Rite

Type: Submersible 5P H.P. 1.5

WATER LEVELS: Land-surface elevation above mean sea level _____ ft.

Static level 93.5 ft. below top of well Date 11/8/07

Artesian pressure _____ lbs. per square inch Date _____

Artesian water is controlled by _____ (cap, valve, etc.)

WELL TESTS: Drawdown is amount water level is lowered below static level

Was a pump test made? [ ] Yes [X] No If yes, by whom? _____

Yield: _____ gal./min. with _____ ft. drawdown after _____ hrs.

Yield: _____ gal./min. with _____ ft. drawdown after _____ hrs.

Yield: _____ gal./min. with _____ ft. drawdown after _____ hrs.

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test _____

Bailer Test _____ gal./min. with _____ ft. drawdown after _____ hrs.

Airtest 5 gal./min. with stem set at 600 ft. for 8 hrs.

Artesian flow _____ g.p.m. Date _____

Temperature of water _____ Was a chemical analysis made? [X] Yes [ ] No

CURRENT

Notice of Intent No. WE07573

Unique Ecology Well ID Tag No. ALA 779

Water Right Permit No. N/A

Property Owner Name Seabold Community Water System

Well Street Address 15375 Harvey Rd NE

City Bainbridge Island County Kitsap

Location SW 1/4-1/4 NW 1/4 Sec 33 Twn 26 R 2 EWM [X] Check Or WWM [ ] One

(s, t, r Still REQUIRED)

Lat/Long Lat Deg _____ Lat Min/Sec _____

Long Deg _____ Long Min/Sec _____

Tax Parcel No. (Required) 33260220242003

CONSTRUCTION OR DECOMMISSION PROCEDURE

Formation: Describe by color, character, size of material and structure, and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of information. (USE ADDITIONAL SHEETS IF NECESSARY.)

MATERIAL		FROM	TO
Gravel pad		0	1
Sand and gravel	Br	1	41
Sandy silt	Gr	41	129
Sand w/ scattered gravels		129	145
Silty sand/sandy silt		145	195
Sand - medium some silt		195	230
Sand w/scattered gravels		230	238
Silty fine sand		238	375
Clayey silt		375	391
Sand and silt interbedded		391	398
Sand		398	420
Sandy silty		420	430
Sand w/some silt		430	495
Clayey silt		495	519
Sand		519	529
Clayey silt		529	570
Sand w/scattered gravels		570	582
Fine sand/silt interbeded		582	630
Fine sand w/silt beds and scattered gravels		630	632
Clay/silt		632	635
Interbeded fine sand/silt w/occasional gravel		635	676
Silty fine sand w/gravel layers and clay layers		676	859
Silty clayey fine sand - dirty		859	919
Gravels -small with silty matrix		919	924
Sand-fine with gravels layers, gravels become		-	-
more abundant with depth		924	969
Sand fine to medium clean		969	1005

RECEIVED

DEC 18 2007

DEPT. OF ECOLOGY

Start Date 10/20/07 Completed Date 11/08/07

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

[X] Driller [ ] Engineer [ ] Trainee Name (Print) Chad N Gregory

Driller/Engineer/Trainee Signature _____

Driller or trainee License No. 2369

IF TRAINEE: Driller's License No: _____

Driller's Signature: _____

Drilling Company Gregory Drilling Inc

Address 17609 NE 70th St

City, State, Zip Redmond , WA , 98052

Contractor's Registration No. GREGODI110JP Date 12/10/07

ECY 050-1-20 (Rev 4/07)

Ecology is an Equal Opportunity Employer

STATE OF WASHINGTON
DEPARTMENT OF CONSERVATION
AND DEVELOPMENT

WELL LOG

No. Appl'n. No. 283
Cert. No. 83-A

Date August, 1946

Record by N. C. Jannsen Drilling Co.

Source Driller report

Location: State of WASHINGTON

County Kitsap

Area

Map

Gov. Lot 4 ¼ ¼ sec. 26 T. 25 N., R 2 E. W.

DIAGRAM OF SECTION

File number 25N/2E-26H

Drilling Co. N. C. Jannsen Drilling & Mfg. Co.

Address 9407 E. Marginal Way, Seattle, Wn.

Method of Drilling Date Aug. 1946

Owner Housing Authority of City Seattle

Address 825 Yesler Way, Seattle 4, Wn.

Land surface, datum ft. above / below

CORRELATION	MATERIAL	THICKNESS (feet)	DEPTH (feet)
	Hardpan	20	20
	Gray shale	6	26
	Sand	2	28
	Blue shale with shells	18	46
	Gray shale	10	56
	Fine sand and gravel	17	73
	Sand and clay	8	81
	Blue shale and gravel	33	114
	Blue shale	38	152
	Gravel with water	11	163

(Transcribe driller's terminology literally but paraphrase as necessary, in parentheses If material water-bearing, so state and record static level if reported Give depths in feet below land-surface datum unless otherwise indicated Correlate with stratigraphic column, if feasible Following log of materials, list all casings, perforations, screens, etc)

(over)

Turn up

Sheet of

of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

WELL LOG.—Continued No_____/_____-_____

CORRELATION	MATERIAL	THICKNESS (feet)	DEPTH (feet)
	Depth forward	———	
	Pump test:		
	Dim: 163' x 12"		
	SWL: 0'		
	Dd: 100'		
	Yield: 40 g.p.m.		
	Casing: 12" from 0 to 156'		
	8" " 141' to 163'		
	Perforations:		
	8" casing perforated 6 rows per ft.		
	¼"x2" from 143' to 163'		

S F 7449-46 REMINGTON INC-20 20 745-24 6

of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

25/02-34Q

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT
STATE OF WASHINGTON

Application No
Permit No

(1) OWNER: Name S. G. Derror Address Rt. 5, Box 5324, Bainbridge Is; 98110

(2) LOCATION OF WELL: County Kitsap SW ¼ SE ¼ Sec 34 T 25 N., R. 2E W.M.

Bearing and distance from section or subdivision corner

(3) PROPOSED USE: Domestic ☒ Industrial ☐ Municipal ☐ Irrigation ☐ Test Well ☐ Other ☐

(4) TYPE OF WORK: Owner's number of well (if more than one)
New well ☒ Method: Dug ☐ Bored ☐
Deepened ☐ Cable ☒ Driven ☐
Reconditioned ☐ Rotary ☐ Jetted ☐

(5) DIMENSIONS: Diameter of well 6 inches.
Drilled 310 ft. Depth of completed well 310 ft.

(6) CONSTRUCTION DETAILS:

Casing installed: 6 " Diam. from +1 ft. to 310 ft.
Threaded ☐ " Diam. from ft. to ft.
Welded ☒ " Diam. from ft. to ft.

Perforations: Yes ☐ No ☒
Type of perforator used
SIZE of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

Screens: Yes ☐ No ☒
Manufacturer's Name
Type Model No.
Diam. Slot size from ft. to ft.
Diam. Slot size from ft. to ft.

Gravel packed: Yes ☐ No ☒ Size of gravel:
Gravel placed from ft. to ft.

Surface seal: Yes ☒ No ☐ To what depth? 18 ft.
Material used in seal Bentonite
Did any strata contain unusable water? Yes ☐ No ☒
Type of water? Depth of strata
Method of sealing strata off

(7) PUMP: Manufacturer's Name
Type: H.P.

(8) WATER LEVELS: Land-surface elevation above mean sea level 250 ft.
Static level 122 ft. below top of well Date 3/14/80
Artesian pressure lbs. per square inch Date
Artesian water is controlled by (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☐ No ☒ If yes, by whom?
Yield: gal./min. with ft. drawdown after hrs.
" " " "
" " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test 7
Bailer test gal./min. with 182 ft. drawdown after 1 hrs.
Artesian flow g.p.m. Date
Temperature of water Was a chemical analysis made? Yes ☐ No ☒

(10) WELL LOG:

Formation: *Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.*

MATERIAL	FROM	TO
Brown clay	0	17
Brown sand, gravel & clay	17	23
Brown sand	23	33
Brown clay	33	42
Blue clay	42	48
Sand & clay	48	95
Blue clay	95	133
Blue clay & silt	133	155
Blue sand & clay	155	283
Gravel & clay	283	288
Hardpan & gravel - W. B.	288	310

Work started 4/3/ 1980 Completed 4/10/ 1980

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME Olympic West Drilling, Inc.
(Person, firm, or corporation) (Type or print)

Address 9512 State Hwy 16 NW; Gig Harbor

[Signed] W. D. Maberry
(Well Driller)

License No. 0286 Date 4/15/ 1980

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT
STATE OF WASHINGTON

24/02E-05B
Application No.

Permit No. ....

(1) **OWNER:** Name VERN SHAGER Address RT. 6 BOX 6257 S. BAINBRIDGE

(2) **LOCATION OF WELL:** County KITSAP ¼ 40 ¼ Sec. 5 T. 29 N., R. 2E W.M.

Bearing and distance from section or subdivision corner NW¼ NE¼ 5

(3) **PROPOSED USE:** Domestic ☒ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

(4) **TYPE OF WORK:** Owner's number of well (if more than one)....
New well ☒ Method: Dug ☐ Bored ☐
Deepened ☐ Cable ☐ Driven ☐
Reconditioned ☐ Rotary ☐ Jetted ☐

(5) **DIMENSIONS:** Diameter of well 6 inches.
Drilled 337 ft. Depth of completed well 320 ft.

(6) **CONSTRUCTION DETAILS:**
Casing installed: 6 " Diam. from 0 ft. to 323 ft.
Threaded ☐ " Diam. from ft. to ft.
Welded ☒ " Diam. from ft. to ft.

Perforations: Yes ☐ No ☒
Type of perforator used
SIZE of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

Screens: Yes ☐ No ☒
Manufacturer's Name
Type Model No.
Diam. Slot size from ft. to ft.
Diam. Slot size from ft. to ft.

Gravel packed: Yes ☒ No ☐ Size of gravel: PEA
Gravel placed from 337 ft. to 320 ft.

Surface seal: Yes ☒ No ☐ To what depth? 20 ft.
Material used in seal Bentonite
Did any strata contain unusable water? Yes ☐ No ☒
Type of water? Depth of strata
Method of sealing strata off

(7) **PUMP:** Manufacturer's Name FLINT-WALLING
Type: Turbine H.P. 3/4

(8) **WATER LEVELS:** Land-surface elevation above mean sea level.... ft.
Static level 101 ft. below top of well Date 5-4-78
Artesian pressure lbs. per square inch Date
Artesian water is controlled by (Cap, valve, etc.)

(9) **WELL TESTS:** Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☐ No ☐ If yes, by whom? BACH
Yield: 4 gal./min. with 80 ft. drawdown after 24 hrs.
" " " "
" " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test
Bailer test 2 gal./min. with 39 ft. drawdown after 4 hrs.
Artesian flow — g.p.m. Date —
Temperature of water — Was a chemical analysis made? Yes ☐ No ☒

(10) **WELL LOG:**
Formation: *Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.*

MATERIAL	FROM	TO
BROWN - SAND + ROCKS	0	4
BROWN - SANDY HARD PAN	4	27
BROWN - SANDY CLAY	27	34
GRAY - HARD PAN	34	44
BROWN - HARD PAN	44	57
GRAY - HARD PAN	57	63
BLUE - CLAY	63	285
GRAY - SANDY CLAY	285	303
BLUE - CLAY	303	309
GRAY - SANDY CLAY	309	323
GRAY - WATER BEARING S.H.	323	337
BROWN CLAY	337	

Work started 4-21, 19 78. Completed 5-4-, 19 78

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME Jim Bach Drilling Co.
(Person, firm, or corporation) (Type or print)

Address P.O. Box 10452 BAINBRIDGE

[Signed] Jim Bach
(Well Driller)

License No. 21 Date 5/15, 19 78

(USE ADDITIONAL SHEETS IF NECESSARY)

S. F. No. 7356—OS—(Rev. 4-71).

25/2 – 3/D

Application No.

File Original and First Copy with Department of Ecology
Second Copy – Owner's Copy
Third Copy – Driller's Copy

WATER WELL REPORT

STATE OF WASHINGTON

Permit No.

(1) OWNER: Name Steven Hart Address 8023 2.E. Hidden Cove Rd. Bremerton

(2) LOCATION OF WELL: County Kitsap NW¼ of NW¼ of NW¼ Sec. 3 T. 25 N., R. 2 E W.M.

Bearing and distance from section or subdivision corner

(3) PROPOSED USE: Domestic [X] Industrial [ ] Municipal [ ]
Irrigation [ ] Test Well [ ] Other [ ]

(4) TYPE OF WORK: Owner's number of well (if more than one)
New well [X] Method: Dug [ ] Bored [ ]
Deepened [ ] Cable [X] Driven [ ]
Reconditioned [ ] Rotary [ ] Jetted [ ]

(5) DIMENSIONS: Diameter of well 6 inches.
Drilled 320 ft. Depth of completed well 320 ft.

(6) CONSTRUCTION DETAILS:

Casing installed:
Threaded [ ] " Diam. from ft. to ft.
Welded [X] 6 " Diam. from 0 ft. to 315 ft.

Perforations: Yes [ ] No [X]
Type of perforator used
SIZE of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

Screens: Yes [X] No [ ]
Manufacturer's Name Johnson
Type Stainless Model No.
Diam. Slot size from ft. to ft.
Diam. 6 Slot size 4 from 315 ft. to 320 ft.

Gravel packed: Yes [ ] No [X] Size of gravel
Gravel placed from ft. to ft.

Surface seal: Yes [X] No [ ] To what depth? 20 ft.
Material used in seal Bentonite
Did any strata contain unusable water? Yes [ ] No [X]
Type of water? Depth of strata
Method of sealing strata off

(7) PUMP: Manufacturer's Name Sta-Rite
Type: Turb. H.P. 3/4

(8) WATER LEVELS: Land-surface elevation above mean sea level 80 ft.
Static level 73 ft. below top of well Date 3-21-83
Artesian pressure lbs. per square inch Date
Artesian water is controlled by (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes [X] No [ ] If yes, by whom? Driller
Yield: 5 gal./min. with 199 ft. drawdown after 7 hrs.

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test
Bailer test 4½ gal./min. with 187 ft. drawdown after 7 hrs.
Artesian flow g.p.m. Date
Temperature of water Was a chemical analysis made? Yes [ ] No [X]

(10) WELL LOG:

Formation: *Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.*

MATERIAL		FROM	TO
Fill		0	1
Top soil	Brown	1	2
Clay	"	2	25
Clay	Blue	25	50
Clay	Grey	50	180
Clay – sandy	"	180	190
Clay – silty	"	190	210
Clay	"	210	300
Clay – sandy	"	300	310
Silt – sandy	"	310	314
Sand – Dirty – fine	"	314	320

Work started Feb. 24, 19 83 Completed March 22, 19 83

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME CRABTREE DRILLING CO, (Person, firm, or corporation) (Type or print)

Address 33349 EGLON RD NE, KINGSTON

[Signed] Jerry Crabtree (Well Driller)

License No. 82 Date March 25, 1983

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

25/02/09 K

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT
STATE OF WASHINGTON

Application No
Permit No

(1) OWNER: Name HAYA SHIDA / HIRO Address Sunset Hill Bainbridge Is., WA.

(2) LOCATION OF WELL: County KITSAP NW ¼ SE ¼ Sec 9 T 25 N., R 2E W.M.

Bearing and distance from section or subdivision corner

(3) PROPOSED USE: Domestic [X] Industrial [ ] Municipal [ ]
Irrigation [ ] Test Well [ ] Other [ ]

(4) TYPE OF WORK: Owner's number of well (if more than one)
New well [X] Method: Dug [ ] Bored [ ]
Deepened [ ] Cable [X] Driven [ ]
Reconditioned [ ] Rotary [ ] Jetted [ ]

(5) DIMENSIONS: Diameter of well 6 inches.
Drilled 202 ft. Depth of completed well 202 ft.

(6) CONSTRUCTION DETAILS:
Casing installed: 6 " Diam. from 0 ft. to 202 ft
Threaded [ ] " Diam. from ft. to ft.
Welded [X] " Diam. from ft. to ft.

Perforations: Yes [ ] No [X]
Type of perforator used
SIZE of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

Screens: Yes [X] No [ ]
Manufacturer's Name JOHNSON
Type STAINLESS Model No
Diam. 6 Slot size .010 from 191 ft. to 202 ft.
Diam. Slot size from ft. to ft.

Gravel packed: Yes [ ] No [X] Size of gravel:
Gravel placed from ft. to ft.

Surface seal: Yes [X] No [ ] To what depth? 18 ft.
Material used in seal BENTONITE
Did any strata contain unusable water? Yes [ ] No [X]
Type of water? Depth of strata
Method of sealing strata off

(7) PUMP: Manufacturer's Name
Type: H.P.

(8) WATER LEVELS: Land-surface elevation above mean sea level / ft.
Static level 155 ft. below top of well Date 12/2/83
Artesian pressure lbs. per square inch Date
Artesian water is controlled by (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes [ ] No [X] If yes, by whom?
Yield: gal./min. with ft. drawdown after hrs.
" " " "
" " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test
Baller test 30 gal./min. with 8 ft. drawdown after 8 hrs.
Artesian flow g.p.m. Date
Temperature of water Was a chemical analysis made? Yes [ ] No [ ]

(10) WELL LOG:

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL	FROM	TO
TOPSOIL	0	2
BRN HARDPAN	2	13
GRAY HARDPAN	13	45
BLUE GRAY HARDPAN	45	74
BRN CLAYEY HARDPAN	74	95
GRAY " "	95	104
BRN. HARDPAN	104	120
BLUE CEMENTED SAND & GRVL.	120	189
BLUE CLAY	189	195
BLUE SAND & GRVL. + H2O	195	202

RECEIVED
SEP 25 1986
DEPARTMENT OF ECOLOGY
NORTHWEST REGION

Work started 11/15 19 83 Completed 11/29 19 83

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME MATHEWS WELL DRILLING (Person, firm, or corporation) (Type or print)
Address P.O. BOX 1643 POULSBO, WA.
[Signed] (Well Driller)
License No. 1132 Date 9/23 19 86

(USE ADDITIONAL SHEETS IF NECESSARY)

EGY 050-1-20

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT
STATE OF WASHINGTON

842-5721 Application No. 26/02-28K
Permit No.

(1) OWNER: Name Steve Hogg Address Rolling Bay

(2) LOCATION OF WELL: County Kitsap NW ¼ SE ¼ Sec 28 T 26 N., R 2E W.M.
Bearing and distance from section or subdivision corner

(3) PROPOSED USE: Domestic [X] Industrial [ ] Municipal [ ]
Irrigation [ ] Test Well [ ] Other [ ]

(4) TYPE OF WORK: Owner's number of well (if more than one)
New well [X] Method: Dug [ ] Bored [ ]
Deepened [ ] Cable [X] Driven [ ]
Reconditioned [ ] Rotary [ ] Jetted [ ]

(5) DIMENSIONS: Diameter of well 6 inches.
Drilled 37 ft. Depth of completed well 36 ft.

(6) CONSTRUCTION DETAILS:
Casing installed: 6 " Diam. from 0 ft. to 31.6 ft.
Threaded [ ] " Diam. from ft. to ft.
Welded [X] " Diam. from ft. to ft.

Perforations: Yes [ ] No [X]
Type of perforator used
SIZE of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

Screens: Yes [X] No [ ] Johnson
Manufacturer's Name
Type Telescoping Model No.
Diam. 5 Slot size 12 from 30.4 ft. to 36' ft.
Diam. Slot size from ft. to ft.

Gravel packed: Yes [ ] No [X] Size of gravel:
Gravel placed from ft. to ft.

Surface seal: Yes [X] No [ ] To what depth? 20' ft.
Material used in seal Bentonite
Did any strata contain unusable water? Yes [ ] No [X]
Type of water? Depth of strata
Method of sealing strata off

(7) PUMP: Manufacturer's Name Flint + Walling
Type: H.P. 1/2

(8) WATER LEVELS: Land-surface elevation above mean sea level ft.
Static level 12 ft. below top of well Date 6-15-77
Artesian pressure lbs. per square inch Date
Artesian water is controlled by (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes [X] No [ ] If yes, by whom? Jim Bach Co
Yield: 4 gal./min. with 10 ft. drawdown after 4 hrs.
" " " "
" " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test
Bailer test 4 gal./min. with 10 ft. drawdown after 4 hrs.
Artesian flow g.p.m. Date
Temperature of water No Was a chemical analysis made? Yes [ ] No [X]

(10) WELL LOG:
Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL	FROM	TO
Top Soil	0	3
Hard Pan	3 -	15
Gravel + Sand (clay filled)	15 -	20
Sand (clay filled)	20 -	32
Sand (Water Bearing) 4 G.P.M	32 -	36
Blue Clay -	36	—

Work started 6-12, 19 77 Completed 6-15-, 19 77

WELL DRILLER'S STATEMENT:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME Jim Bach Drilling
(Person, firm, or corporation) (Type or print)
Address P.O. Box 10952 Bainbridge
[Signed] Jim Bach
(Well Driller)
License No. 21 Date 6-15, 19 77

(USE ADDITIONAL SHEETS IF NECESSARY)

S. F. No. 7356—OS—(Rev. 4-71).

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

ENTERED

File: Orig. & First Copy - Dept of Ecology
Second Copy - Owner; Third Copy - Driller

WATER WELL REPORT
State of Washington

Start Card No. 054282
Unique Well ID ABV746
Water Right Permit No.

(1) OWNER: Name SARA JANE MILLARD Address 10472 BATTLE PT DRIVE B.I. WA 98110 Page 1 of
(2) LOCATION OF WELL: County KITSAP SW 1/4 SW 1/4 Sec 4 T 24 N R 2 E
(2a) STREET ADDRESS OF WELL (or nearest address) 3095 FT. WHITE DRIVE B.I. WA 98110

24-2E-4N

(3) PROPOSED USE: DOMESTIC Owner Well ID
(4) Type of work: NEW WELL
Method: CABLE

(5) DIMENSIONS: Diameter of well 6 inches.
Drilled 151 feet. Depth of completed well 151 ft.

(6) CONSTRUCTION DETAILS:
Casing instld: 6 " Diam. from 0 ft. to 146 ft.
Welded X " Diam. from ft. to ft.
Liner _ " Diam. from ft. to ft.
Threaded _

Perforations: Yes _ No X
Type of perforator used
Size of perforations in. by in.
perforations from ft. to in.
perforations from ft. to in.
perforations from ft. to in.

Screens: Yes X No _
Manufacturer's Name JOHNSON
Type STAINLESS Model No SUPER
Diam 6 Slot size 6 from 146 ft. to 151 ft.
Diam Slot size from ft. to ft.

Gravel packed: Yes _ No X Size of gravel
Gravel placed from ft. to ft.

Surface seal: Yes X No _ To what depth? 20 ft.
Material used in seal BENTONITE
Did any strata contain unusable water? Yes _ No X
Type of water? Depth of strata
Method of sealing strata off

(7) PUMP: Manufacturer's Name GRUNDFOS
Type SUBMERSIBLE H.P. 1.5

(8) WATER LEVELS: Surface elev above mean sea level 100 ft.
Static level 101-1 ft. below top of wall Data 03/22/96
Artesian pressure lbs. per sq. in. Date
Artesian pressure is controlled by

(9) WELL TESTS: Pump test made? YES By whom? DRILLER
Yield 21 gal./min. with 34 ft. drawdown after 4 hrs
Yield 0 gal./min. with ft. drawdown after hrs
Yield 0 gal./min. with ft. drawdown after hrs
Recovery data:

Time	Wtr. Lvl.	Time	Wtr. Lvl.	Time	Wtr. Lvl.
2:00	134-10	2:01	123	2:02	116-6
2:03	112-3	2:04	109-4	2:05	107-3
2:10	103-4				

Date of test 03/22/96
Bailer test 20 gal/min with 25 ft. drawdown after 3 hr
Airtest 0 gal/min with stem set at ft. for hrs
Artesian flow 0 gal/min Date
Temperature of water Was chemical analysis made? YES

(10) WELL LOG or DECOMMISSIONING PROCEDURE DESCRIPTION

Material		From	To
LOAM SANDY	BROWN	0	2
HARDPAN SANDY	BROWN	2	7
HARDPAN ROCKY	BROWN	7	11
HARDPAN	BROWN	11	17
HARDPAN	BLUE	17	20
HARDPAN	BROWN	20	45
HARDPAN ROCKY	BROWN	45	52
HARDPAN SANDY	BROWN	52	63
HARDPAN ROCKY	BROWN	63	77
HARDPAN	BLUE	77	103
HARDPAN	BROWN	103	110
SAND & GRAVEL CEMENTED	BROWN	110	118
HARDPAN SANDY	BLUE	118	131
SILT COMPACT SANDY	BLUE	131	141
SAND SILTY	BLUE	141	144
SAND	GRAY	144	151
SAND & GRAVEL CEMENTED	GRAY	151	

RECEIVED
APR 29 1996
DEPT. OF ECOLOGY

Work Started 03/15/96 Completed 03/22/96

WELL CONSTRUCTOR CERTIFICATION:
I constructed and/or accept responsibility for construction this well, and its compliance with all Washington well construction standards. Materials used and the information report above are true to my best knowledge and belief.
Name CRABTREE DRILLING CO.
Address 23349 Eglon Road NE Kingston WA 98346
(Signed) Jerry Crabtree License No 82
(Well Driller)
Contractor's Registration No. 09702 Date 03/24/
Based on form ECL 050-1-20 (2/93)**f-1329- by Speed Systems Co

25/2-22D 006662

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT

STATE OF WASHINGTON

Application No. .....

Permit No. .....

(1) OWNER: Name Steve Kennel Address P.O. Box 11264 Bainbridge Island Wash 98110

(2) LOCATION OF WELL: County Kitsap — NW¼ NW¼ Sec. 22 T. 25 N., R. 2E W.M.

Bearing and distance from section or subdivision corner

(3) PROPOSED USE: Domestic [X] Industrial [ ] Municipal [ ]
Irrigation [ ] Test Well [ ] Other [ ]

(4) TYPE OF WORK: Owner's number of well (if more than one) .....
New well [X] Method: Dug [ ] Bored [ ]
Deepened [ ] Cable [X] Driven [ ]
Reconditioned [ ] Rotary [ ] Jetted [ ]

(5) DIMENSIONS: Diameter of well 6 inches.
Drilled 230 ft. Depth of completed well 230 ft.

(6) CONSTRUCTION DETAILS:

Casing installed: ..." Diam. from ... ft. to ... ft.
Threaded [ ] ..." Diam. from ... ft. to ... ft.
Welded [X] 6" Diam. from 0 ft. to 225 ft.

Perforations: Yes [ ] No [X]
Type of perforator used .....
SIZE of perforations ... in. by ... in.
... perforations from ... ft. to ... ft.
... perforations from ... ft. to ... ft.
... perforations from ... ft. to ... ft.

Screens: Yes [X] No [ ]
Manufacturer's Name Johnson
Type Stainless Model No. .....
Diam. ... Slot size ... from ... ft. to ... ft.
Diam. 6 Slot size 12 from 225 ft. to 230 ft.

Gravel packed: Yes [ ] No [X] Size of gravel: .....
Gravel placed from ... ft. to ... ft.

Surface seal: Yes [X] No [ ] To what depth? 20 ft.
Material used in seal Bentonite
Did any strata contain unusable water? Yes [ ] No [X]
Type of water? ... Depth of strata ...
Method of sealing strata off .....

(7) PUMP: Manufacturer's Name Sta-Rite
Type: Jet H.P. 1

(8) WATER LEVELS: Land-surface elevation above mean sea level .... 140 ft.
Static level 125 ft. below top of well Date 9-23-88
Artesian pressure ... lbs. per square inch Date .....
Artesian water is controlled by ... (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes [X] No [ ] If yes, by whom? Driller
Yield: 13 gal./min. with 9 ft. drawdown after 2½ hrs.
" " " " " "
Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test .....
Bailer test 32 gal./min. with 12 ft. drawdown after 3½ hrs.
Artesian flow ... g.p.m. Date .....
Temperature of water ... Was a chemical analysis made? Yes [ ] No [X]

(10) WELL LOG:

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL		FROM	TO
Top soil	Brown	0	4
Hard pan	"	4	16
Hard pan	Gray	16	42
Sand & Gravel	"	42	47
Hard pan	"	47	55
Sand & Gravel - Cemented	"	55	64
Hard pan - Loose	"	64	95
Clay - Silty	"	95	115
Silt	"	115	132
Clay	Blue	132	160
Sand & Gravel - Cemented	"	160	163
Clay	"	163	212
Silt - Sandy - Peat	"	212	220
Sand - Dirty	"	220	222
Sand		222	—

RECEIVED
NOV 17 1988
DEPARTMENT OF ECOLOGY
NORTHWEST REGION

Work started Sept 9, 19 88 Completed Sept 23, 19 88

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME CRABTREE DRILLING CO.
(Person, firm, or corporation) (Type or print)

Address 33349 EGLON RD, NE KINGSTON

[Signed] Jerry Crabtree
(Well Driller)

License No. 82 Date Sept. 25, 1988

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

WASHINGTON STATE DEPARTMENT OF ECOLOGY

UNIQUE WELL I.D NUMBER AAA277 (X Y Z 1 2 3)

WELL TAGGING FORM

Date of Field Visit 5/29/92 By BA - PUD #1

RECORD VERIFICATION

- [x] Well Report available *(please attach)*
- [ ] Well Report not available
- [ ] Verification inconclusive

WELL OWNERSHIP

Name Lee Kennel

Street address PO Box 11264

City Bainbridge Is. State WA 98110

LOCATION OF WELL

Well Address 8078 Paulanna Ln

City Bainbridge Is County Kitsap

T. 25 N. R. 02E WM Sec. 22D ¼ NW ¼ NW

GPS Location: Latitude 47 ° 38 ' 93 N "

Longitude 122 ° 32 ' 48 W "

Elevation 186 (feet) meters *(circle one)*

- [x] Digital Altimeter
- [ ] Topographic Map
- [ ] Other

PDOP 1.7
2 11 18
9 9 4

If unable to verify location with GPS equipment:

- [ ] Location marked on topographic map *(please attach if available)*
- [ ] Location marked on air photo *(please attach if available)*

AAA 277

WELL CHARACTERISTICS

Physical Description of Well (size of casing, type of well, housing, etc): drilled with 6" casing in insulated 'dog house' structure

Location of Well Identification Tag: on casing 6" from top

Was Supplemental Tag needed for ease of identifying well?

☒ NO ☐ YES

Scale 1 24,000 (1"=2,000')

D	C	B	A
E	F	G	H
M	L	K	J
N	P	Q	R

SECTION 22D

Indicate the location of the well within the Section by drawing a dot at that point.

COMMENTS:

FOR ECOLOGY USE ONLY

Water Right # _____ Date Issued _____

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

First Copy with Ecology
Owner's Copy
Driller's Copy

AAA277 **WATER WELL REPORT** Application No X

STATE OF WASHINGTON 00115 Permit No

(1) **OWNER:** Name Steve K[illegible] Address [illegible]

(2) **LOCATION OF WELL** County [illegible] NW¼ NW¼ Sec 22 T [illegible] N, R [illegible] W M

Bearing and distance from section or subdivision corner

(3) **PROPOSED USE:** Domestic ☐ Industrial ☐ Municipal ☐ Irrigation ☐ Test Well ☐ Other ☐

(4) **TYPE OF WORK:** Owner's number of well (if more than one)

New well ☒ Method Dug ☐ Bored ☐
Deepened ☐ Cable ☒ Driven ☐
Reconditioned ☐ Rotary ☐ Jetted ☐

(5) **DIMENSIONS.** Diameter of well 6 inches
Drilled 230 ft Depth of completed well 230 ft

(6) **CONSTRUCTION DETAILS:**

Casing installed: Threaded ☐ Welded ☒
6 " Diam from 0 ft to 225 ft
" Diam from ft to ft
" Diam from ft to ft

Perforations: Yes ☐ No ☒
Type of perforator used
SIZE of perforations in by in
perforations from ft to ft
perforations from ft to ft
perforations from ft to ft

Screens: Yes ☒ No ☐
Manufacturer's Name [illegible]
Type Stainless Model No
Diam Slot size from ft to ft
Diam 6 Slot size 12 from 225 ft to 230 ft

Gravel packed: Yes ☐ No ☒ Size of gravel
Gravel placed from ft to ft

Surface seal: Yes ☒ No ☐ To what depth? 20 ft
Material used in seal Cement
Did any strata contain unusable water? Yes ☐ No ☒
Type of water? Depth of strata
Method of sealing strata off

(7) **PUMP:** Manufacturer's Name Ath - Dale
Type Turbine H.P 1

(8) **WATER LEVELS:** Land-surface elevation above mean sea level 140 ft.
Static level 125 ft below top of well Date 7-22-81
Artesian pressure lbs per square inch Date
Artesian water is controlled by (Cap, valve, etc)

(9) **WELL TESTS:** Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☒ No ☐ If yes, by whom? Driller
Yield 12 gal/min with 7 ft drawdown after 2 hrs
" " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test
Bailer test 30 gal/min with 12 ft drawdown after 3½ hrs
Artesian flow g.p.m Date
Temperature of water Was a chemical analysis made? Yes ☐ No ☐

(10) **WELL LOG:**

Formation *Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation*

MATERIAL		FROM	TO
Top soil	Brown	0	4
Hard pan	"	4	16
Hard pan	Clay	16	42
Hard Gravel	"	42	47
Hard pan	"	47	55
Hard Gravel - Water	"	55	64
Hard pan - Lime	"	64	9
Clay - Silty	"	95	115
Silt	"	115	132
Clay	Blue	132	162
Hard Gravel - Water	"	162	163
Clay	"	163	212
Silt - Sandy gravel	"	212	220
Hard - Dirty	"	220	222
Sand	"	222	—

Work started Sept 1 19 81 Completed Sept 2 19 81

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME [illegible] (Person, firm or corporation) (Type or print)

Address [illegible]

[Signed] [illegible] (Well Driller)

License No [illegible] Date Sept 25, 1981

(USE ADDITIONAL SHEETS IF NECESSARY)

EGY 050 1 20

The Department of Ecology does NOT Warrant the Data and/or the Information on this Well Report.

#205

KITSAP COUNTY PUD #1
PRIVATE WELL/CONSERVATION PROGRAM

map 2/56

ACCOUNT NO. _____ DIV. _____

CUSTOMER NAME (PLEASE PRINT) Lee Kennel (FIRST) (LAST)

ADDRESS WHERE SHOWERHEAD INSTALLED: PO Box 11264

STREET 8078 Paulanna LN UNIT # _____

CITY Bainbridge IS STATE WA ZIP 98110

CUSTOMER'S SIGNATURE X Lee Kennel DATE 11/19/91

QUANTITY	BRAND	PROGRAM/DELIVERY METHOD
1	Ondine Showerhead	(4) Business Office
1	Kitchen Aerator	(1) Single Family
1	Bath Aerator	NO (4) Contractor Installed

PUD ACCT # 000330 WELL ID # AAA277 ELEVATION 160' topo (186' altim)

PHONE # 842-2497 TIME BEGAN 10:54 TIME COMPLETED 11:35

LOCAL # 25N/02E-22D LATITUDE/LONGITUDE 47°38.93 / 122°32.48 (5129 47 3900 / 122325)

PDOP 1.7 2 11 18 9 9 4

DESCRIPTION OF MEASURING PT. (MP) top of 'T' on casing

HEIGHT OF MP (ABOVE) BELOW LAND SURFACE 1.6' (5129 125 57) BacT A

DEPTH TO WATER BELOW MP 124.91' DEPTH TO WATER BELOW LS 123.31'

TEMPERATURE 49.4 SPECIFIC CONDUCTIVITY 182 ph 7.82

Nitrate mg/L 0.9 Fe mg/L 0.90 Mn mg/L 0.3

COLOR clear . ODOR metallic APPEARANCE normal

SAMPLING POINT DESCRIPTION Outside hose b.b

REMARKS North of New Brooklyn off Sands Road. Take Hwy 305 to Suquamish Clear Road, turn right to New Brooklyn to Sands to Paulanna LN right 1st House on left ~~to~~ 1st House on left - Green gate

SAMPLING PERSONNEL BA

DISPLACEMENT BAG 1 (YES) _____ NO

NT E Services

Well - North Street (Well House)

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

25/02 - 20K

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy -- Driller's Copy

WATER WELL REPORT
STATE OF WASHINGTON

Application No. .....
Permit No. .....

(1) OWNER: Name Smitty Address P.O. Box 636 Winslow, Wa.

(2) LOCATION OF WELL: County Kitsap — NW ¼ SE ¼ Sec. 20 T. 25 N., R. 02E W.M.

Bearing and distance from section or subdivision corner

(3) PROPOSED USE: Domestic [X] Industrial [ ] Municipal [ ]
Irrigation [ ] Test Well [ ] Other [ ]

(4) TYPE OF WORK: Owner's number of well (if more than one) .....
New well [X] Method: Dug [ ] Bored [ ]
Deepened [ ] Cable [X] Driven [ ]
Reconditioned [ ] Rotary [ ] Jetted [ ]

(5) DIMENSIONS: Diameter of well 6 inches.
Drilled 80 ft. Depth of completed well 80 ft.

(6) CONSTRUCTION DETAILS:

Casing installed: 6 " Diam. from 0 ft. to 76 ft.
Threaded [ ] " Diam. from ft. to ft.
Welded [X] " Diam. from ft. to ft.

Perforations: Yes [ ] No [X]
Type of perforator used .....
SIZE of perforations ..... in. by ..... in.
..... perforations from ..... ft. to ..... ft.
..... perforations from ..... ft. to ..... ft.
..... perforations from ..... ft. to ..... ft.

Screens: Yes [X] No [ ]
Manufacturer's Name Johnson
Type SS Telescoping Model No. Super
Diam. 6 Slot size .012 from 76 ft. to 80 ft.
Diam. Slot size from ft. to ft.

Gravel packed: Yes [ ] No [X] Size of gravel: .....
Gravel placed from ..... ft. to ..... ft.

Surface seal: Yes [X] No [ ] To what depth? 18 ft.
Material used in seal Sodium Bentonite
Did any strata contain unusable water? Yes [ ] No [X]
Type of water? ..... Depth of strata .....
Method of sealing strata off .....

(7) PUMP: Manufacturer's Name Flint & Walling
Type: 4" Submersible H.P. 1/2

(8) WATER LEVELS: Land-surface elevation above mean sea level .... 50 ft.
Static level 66 ft. below top of well Date 8/14/79
Artesian pressure ..... lbs. per square inch Date .....
Artesian water is controlled by ..... (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes [X] No [ ] If yes, by whom? Bach
Yield: 7 gal./min. with 6 ft. drawdown after 1 hrs.
" 12 " " 8 " " 2 "
" " " " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test 9/20/79
Bailer test 10 gal./min. with 8 ft. drawdown after 3 hrs.
Artesian flow ..... g.p.m. Date .....
Temperature of water ..... Was a chemical analysis made? Yes [ ] No [X]

(10) WELL LOG:

Formation: *Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.*

MATERIAL	FROM	TO
Sandy fill	0	3
Hardpan	3	50
Clay; sandy-brown	50	60
Hardpan	60	67
Sand & gravel	67	80

Work started 8/6 19 79 Completed 8/9 19 79

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME Bach Drilling Inc.
(Person, firm, or corporation) (Type or print)

Address P.O. Box 10452 Bainbridge Island

[Signed] ..... (Well Driller)

NOV 5 1979
DEPT. OF ECOLOGY

License No. 599 Date 8/10 , 1979

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

STATE OF WASHINGTON
DEPARTMENT OF CONSERVATION
AND DEVELOPMENT Appli. #6990

WELL LOG No...../.....-.....

Date February 3, 1964

Record by Driller

Source Driller's Record

Location: State of WASHINGTON

County Kitsap

Area

Map

Govt. Lot 8 ¼ sec. 34 T. 26 N., R. 2 E. E. W.

Diagram of Section

Drilling Co. Stoican Drilling Company

Address Route 3, Box 175, Port Orchard, Wash.

Method of Drilling Cable Date ....., 19.....

Owner S. Fred Olsen

Address 6821 50th N.E., Seattle, Washington

Land surface, datum ..... ft. above / below

26/2E-34G
File number

CORRELATION	MATERIAL	THICKNESS (feet)	DEPTH (feet)
	(Transcribe driller's terminology literally but paraphrase as necessary, in parentheses If material water-bearing, so state and record static level if reported Give depths in feet below land-surface datum unless otherwise indicated Correlate with stratigraphic column, if feasible Following log of materials, list all casings, perforations, screens, etc.)		
	Hard pan and clay, brown	0	15
	Hardpan, brown ½ gpm	15	24
	Hardpan, brown ½ gpm	24	46
	Blue clay (stratafied)	46	150
	Blue clay	150	192
	Blue clay (stratafied)	192	200
	Starafied fine sand & tr.gr.	200	309
	Blue clay	309	311
	Casing: 4" from 0 to 210'		
	3" from 210 to 311'		
	Perforated from 284 to 309'		
	No screens		
	Gravel packed from 211 to 311'		
	Surface sealed with clay (blue)		
	SWL: Flows 70 gph		
	November 11, 1963		

Turn up Sheet ... ...of... ..... sheets

WELL LOG.—Continued No...../.....-.....

CORRELATION	MATERIAL	THICKNESS (feet)	DEPTH (feet)
	Depth forward	———	
	Bailer test: 15 gpm with 40' DD after 4 hours		
	November 11, 1964		

S. F No. 7449—OS—6-61—2M

of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

File Original and First Copy with Department of Ecology
Second Copy—Owner's Copy
Third Copy—Driller's Copy

WATER WELL REPORT

STATE OF WASHINGTON

Start Card No. [redacted]253

24/2E/4A

Water Right Permit No. G1-25739

(1) OWNER: Name Morry Blossom Address

(2) LOCATION OF WELL: County Kitsap NE ¼ NE ¼ Sec. 4 T. 24 N., R. 2E W.M.

(2a) STREET ADDDRESS OF WELL (or nearest address) 4738 Lynwood Center Rd NE.

(3) PROPOSED USE: ☐ Domestic ☐ Industrial ☐ Municipal ☐ ☐ Irrigation ☐ Test Well ☐ Other ☐ ☐ DeWater

(4) TYPE OF WORK: Owner's number of well (if more than one)
Abandoned ☐ New well ☑ Method: Dug ☐ Bored ☐ Deepened ☐ Cable ☐ Driven ☐ Reconditioned ☐ Rotary ☐ Jetted ☐

(5) DIMENSIONS: Diameter of well 8 inches. Drilled 191 feet. Depth of completed well 188' 6" ft.

(6) CONSTRUCTION DETAILS:
Casing Installed: 8" Diam. from 0 ft. to 169 ft.
Welded ☑ Liner installed ☐ Threaded ☐
" Diam. from ft. to ft.
" Diam. from ft. to ft.

Perforations: Yes ☐ No ☑
Type of perforator used
SIZE of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

Screens: Yes ☑ No ☐ (22" 10" 11) 168'6" 173'6"
Manufacturer's Name J 12 Model No. 1736
Type TRE H 16 1736
Diam. 8 Slot size J 14 from 178'6" ft. to 183'6" ft.
Diam. Slot size H 16 from 183'6" ft. to 188'6" ft.

Gravel packed: Yes ☐ No ☑ Size of gravel
Gravel placed from ft. to ft.

Surface seal: Yes ☑ No ☐ To what depth? 18 ft.
Material used in seal Bentinite
Did any strata contain unusable water? Yes ☐ No ☑
Type of water? Depth of strata
Method of sealing strata off

(7) PUMP: Manufacturer's Name
Type: H.P.

(8) WATER LEVELS: Land-surface elevation above mean sea level ft.
Static level 79 ft. below top of well Date Jan 28, 19 91
Artesian pressure lbs. per square inch Date
Artesian water is controlled by (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☐ No ☐ If yes, by whom?
Yield: gal./min. with ft. drawdown after hrs.
" " " "
" " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test
Bailer test 30 gal./min. with 1 ft. drawdown after 1 hrs.
Airtest gal./min. with stem set at ft. for hrs.
Artesian flow g.p.m. Date
Temperature of water Was a chemical analysis made? Yes ☐ No ☐

(10) WELL LOG or ABANDONMENT PROCEDURE DESCRIPTION

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of information.

MATERIAL	FROM	TO
Brn Sandy soil	0	6
Brn sand & gravel	6	40
Medium Brn Hardpan	40	60
Brn sand & gravel	60	70
Brn gravely hardpan	70	88
10' dirty brn water & gravel	88	90
Mixed gravel & sand, dirty	90	93
Uniform course Brn sand H20	93	96
Dirty Brn sand H20	96	98
Dirty gravel H20	98	103
fine sand, H20, open hole	103	108
Brn hardpan	108	109
heaving wet gravel	109	111
Dirty BB sands H20	111	136
course grey sand, clay chunks	136	138
Dirty grey sand, H20	138	155
Cemented Brn sand gravel H20	155	187
Brn sand, open hole H20	187	191

RECEIVED
AUG 20 1991
DEPT. OF ECOLOGY

Work started Jan 18, 19 91 completed Jan 28, 19 91

WELL CONSTRUCTOR CERTIFICATION:
I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

NAME Duckworth Pump & Well Drilli (PERSON, FIRM, OR CORPORATION) (TYPE OR PRINT)
Address 18365 Diamond Dr. Poulsbo
(Signed) Donald D Duckworth (WELL DRILLER) License No. 1147
Contractor's Registration No. DUCKWPW148CJ Date 1-10, 19 92

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20 (10/87) -1329-

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

24-2E-4A

WATER WELL REPORT

STATE OF WASHINGTON

Start Card No. W077893
Unique Well I.D. # ACW030
Water Right Permit No. G1-23640C

352952

(1) OWNER: Name BLOSSOM, MORRIE Address 4573 POINT WHITE DR. BAINBRIDGE IS., WA 98110-

(2) LOCATION OF WELL: County KITSAP - NE 1/4 NE 1/4 Sec 4 T 24 N., R 2E WM
(2a) STREET ADDRESS OF WELL (or nearest address) NX2 4728 LYNWOOD CTR RD, BAINBRIDGE IS.

(3) PROPOSED USE: PUBLIC WATER S.

(4) TYPE OF WORK: Owner's Number of well (If more than one) 8
NEW WELL Method: ROTARY

(5) DIMENSIONS: Diameter of well 12 inches
Drilled 203 ft. Depth of completed well 198 ft.

(6) CONSTRUCTION DETAILS:
Casing installed: 12 " Dia. from 0 ft. to 157 ft.
WELDED " Dia. from ft. to ft.
" Dia. from ft. to ft.

Perforations: NO
Type of perforator used
SIZE of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

Screens: YES
Manufacturer's Name JOHNSON
Type STAINLESS Model No.
Diam. 8 slot size 30 from 157.6 ft. to 189 ft.
Diam. slot size from ft. to ft.

Gravel packed: YES Size of gravel 8-12
Gravel placed from 133 ft. to 198 ft.

Surface seal: YES To what depth? 23 ft.
Material used in seal BENTONITE
Did any strata contain unusable water? NO
Type of water? Depth of strata ft.
Method of sealing strata off

(7) PUMP: Manufacturer's Name
Type SUBMERSIBLE H.P.

(8) WATER LEVELS: Land-surface elevation above mean sea level ... ft.
Static level 61.38 ft. below top of well Date 10/06/98
Artesian Pressure lbs. per square inch Date
Artesian water controlled by

(9) WELL TESTS: Drawdown is amount water level is lowered below static level.
Was a pump test made? NO If yes, by whom?
Yield: gal./min with ft. drawdown after hrs.

Recovery data

Time	Water Level	Time	Water Level	Time	Water Level

Date of test / /
Bailer test gal/min. ft. drawdown after hrs.
Air test 120 gal/min. w/ stem set at 130 ft. for 1.5 hrs.
Artesian flow g.p.m. Date
Temperature of water Was a chemical analysis made? NO

(10) WELL LOG

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change in formation.

MATERIAL	FROM	TO
BROWN SANDY CLAY & GRAVEL	0	4
BROWN CLAY	4	9
GREYISH BROWN CLAY	9	15
GREY DIRTY CLAY & SAND	15	22
GREYISH BROWN SANDY CLAY	22	30
BROWN SANDY CLAY	30	124
BROWN DIRTY FINE SAND	124	128
GREYISH BROWN FINE SAND	128	142.5
GREY MEDIUM SAND	142.5	192
GREENISH GREY CLAY & SHALE COARSE SAND	192	196.5
	196.5	

Work started 09/02/98 Completed 10/06/98

WELL CONSTRUCTOR CERTIFICATION:
I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

NAME DUCKWORTH PUMP & DRILLING
(Person, firm, or corporation) (Type or print)

ADDRESS 18365 DIAMOND DRIVE NE

[SIGNED] _____ License No. 1148 1147
Donald D. Duckworth
Registration No. DUCKWPW148CJ Date 11/03/98

JUL 16 2009

Water Resources Program
Department of Ecology

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report

WATER WELL REPORT

Original & 1st copy – Ecology, 2nd copy – owner, 3rd copy – driller

DEPARTMENT OF ECOLOGY State of Washington

Construction/Decommission *("x" in circle)*

☒ Construction

☐ Decommission *ORIGINAL INSTALLATION*

Notice of Intent Number _____

PROPOSED USE: ☐ Domestic ☐ Industrial ☒ Municipal ☐ DeWater ☐ Irrigation ☐ Test Well ☐ Other _____

TYPE OF WORK: Owner's number of well (if more than one) #9

☒ New well ☐ Reconditioned *Method:* ☐ Dug ☐ Bored ☐ Driven ☐ Deepened ☐ Cable ☐ Rotary ☐ Jetted

DIMENSIONS: Diameter of well 12" inches, drilled 184 ft. Depth of completed well 142'8"

CONSTRUCTION DETAILS

Casing ☒ Welded 12" Diam. from +2 ft. to 118'8" ft.

Installed: ☐ Liner installed _____" Diam. from _____ ft. to _____ ft.

☐ Threaded _____" Diam. From _____ ft. to _____ ft.

Perforations: ☐ Yes ☒ No

Type of perforator used _____

SIZE of perfs _____ in. by _____ in. and no. of perfs _____ from _____ ft. to _____ ft.

Screens: ☒ Yes ☐ No ☒ K-Pac Location 114'

Manufacturer's Name Allov

Type Stainless 304SS Model No. _____

Diam. 10" Slot size 10 from 118'8" ft. to 128'8" ft.

Diam. 10" Slot size 12 from 128'8" ft. to 138'8" ft.

Gravel/Filter packed: ☐ Yes ☒ No Size of gravel/sand _____

Materials placed from _____ ft. to _____ ft.

Surface Seal: ☒ Yes ☐ No To what depth? 18 ft.

Material used in seal bentonite grout

Did any strata contain unusable water? ☐ Yes ☒ No

Type of water? _____ Depth of strata _____

Method of sealing strata off _____

PUMP: Manufacturer's Name _____

Type: _____ H.P. _____

WATER LEVELS: Land-surface elevation above mean sea level _____ ft.

Static level 66.5 ft. below top of well Date 4.18.16

Artesian pressure _____ lbs. per square inch Date _____

Artesian water is controlled by _____ (cap, valve, etc.)

WELL TESTS: Drawdown is amount water level is lowered below static level

Was a pump test made? ☒ Yes ☐ No If yes, by whom? driller/KPUD

Yield: 48 gal./min. with 32'8" ft. drawdown after 4 hrs.

Yield: _____ gal./min. with _____ ft. drawdown after _____ hrs.

Yield: _____ gal./min. with _____ ft. drawdown after _____ hrs.

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level
0	104.7	3	95.1	20	81.9
1	104.7	10	87.8		
2	104.7	11	83.4		

Date of test _____

Bailer test _____ gal./min. with _____ ft. drawdown after _____ hrs.

Airtest _____ gal./min. with stem set at _____ ft. for _____ hrs.

Artesian flow _____ g.p.m. Date _____

Temperature of water _____ Was a chemical analysis made? ☒ Yes ☐ No

CURRENT

Notice of Intent No. WE23228

Unique Ecology Well ID Tag No. APP319

Water Right Permit No. G1-23640C

Property Owner Name PUD #1 of Kitsap County

Well Street Address Baker Hill Rd NE

City Bainbridge Is. County Kitsap

Location NE 1/4-1/4 NE 1/4 Sec 4 Twn 24N R 2E (s, t, r Still REQUIRED) EWM ☒ Or WWM ☐

Lat/Long

Lat Deg _____ Lat Min/Sec _____

Long Deg _____ Long Min/Sec _____

Tax parcel No. (Required) 042402110420005

CONSTRUCTION OR DECOMMISSION PROCEDURE

Formation: Describe by color, character, size of material and structure, and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of information. (USE ADDITIONAL SHEETS IF NECESSARY.)

MATERIAL	FROM	TO
Brown silty sand, little gravel and clay	0	17
Brown silty fine sand, little gravel	17	54
Brown silty sand and gravel, some clay, making little water	54	98
Gray silty clay, dirty gravel	98	101
Silty sand w.b., little gravel	101	140
Green clay bound sand, some gravel	140	164
Dark gravel, w.b.	164	167
Gray clay	167	170
Dark green clay bound sand & gravel	170	184

RECEIVED

MAY 23 2016

DEPT OF ECOLOGY NWRO - WR

Start Date 3.16.2016 Completed Date 4.19.16

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

☒ Driller ☐ Engineer ☐ Trainee Name Dave Charon

Driller/Engineer/Trainee Signature Dave Charon

Driller or trainee License No. 1190

IF TRAINEE: Driller's License No: na

Driller's Signature: na

Drilling Company Charon Drilling Inc.

Address 12719 224 St East

City, State, Zip Graham, WA 98338

Contractor's Registration No CHARODI133NF Date 5.1.16

ECY 050-1-20 (Rev 02-2010) To request ADA accommodation including materials in a format for the visually impaired, call Ecology Water Resources Program at 360-407-6872. Persons with impaired hearing may call Washington Relay Service at 711. Persons with speech disability may call TTY at 877-833-6341.

WATER WELL REPORT

DEPARTMENT OF ECOLOGY State of Washington

Original & 1st copy - Ecology, 2nd copy - owner, 3rd copy - driller

Construction/Decommission *("x" in circle)*

☒ Construction

☐ Decommission *ORIGINAL INSTALLATION*

Notice of Intent Number _____

PROPOSED USE: ☐ Domestic ☐ Industrial ☒ Municipal ☐ DeWater ☐ Irrigation ☐ Test Well ☐ Other _____

TYPE OF WORK: Owner's number of well (if more than one) 10

☒ New well ☐ Reconditioned *Method:* ☐ Dug ☐ Bored ☐ Driven ☐ Deepened ☒ Cable ☒ Rotary ☐ Jetted

DIMENSIONS: Diameter of well 8 inches, drilled 322 ft.

Depth of completed well 316.9 ft.

CONSTRUCTION DETAILS

Casing Installed: ☒ Welded 8 " Diam. from +3 ft. to 286.8 ft.

☐ Liner installed _____ " Diam. from _____ ft. to _____ ft.

☐ Threaded _____ " Diam. From _____ ft. to _____ ft.

Perforations: ☐ Yes ☒ No

Type of perforator used _____

SIZE of perfs _____ in. by _____ in. and no. of perfs _____ from _____ ft. to _____ ft.

Screens: ☒ Yes ☐ No ☒ K-Pac Location 281.3

Manufacturer's Name Alloy Machine Works

Type Stainless Steel Model No. Telescoping

Diam. 8" Slot size 20 from 286.3 ft. to _____ ft.

Diam. 8" Slot size 30 from _____ ft. to 312.9 ft.

Gravel/Filter packed: ☐ Yes ☒ No Size of gravel/sand _____

Materials placed from _____ ft. to _____ ft.

Surface Seal: ☒ Yes ☐ No To what depth? 31 ft.

Material used in seal Bentonite Chips

Did any strata contain unusable water? ☐ Yes ☒ No

Type of water? _____ Depth of strata _____

Method of sealing strata off _____

PUMP: Manufacturer's Name _____

Type: _____ H.P. _____

WATER LEVELS: Land-surface elevation above mean sea level 132 ft.

Static level 130.9 ft. below top of well Date 8/22/17

Artesian pressure _____ lbs. per square inch Date _____

Artesian water is controlled by _____ (cap, valve, etc.)

WELL TESTS: Drawdown is amount water level is lowered below static level

Was a pump test made? ☒ Yes ☐ No If yes, by whom? Gresham/KPUD

Yield: 167 gal./min. with 42.5 ft. drawdown after 24 hrs.

Yield: _____ gal./min. with _____ ft. drawdown after _____ hrs.

Yield: _____ gal./min. with _____ ft. drawdown after _____ hrs.

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level
0	173.4	30	133.5		
5	136.3	60	132.7		
10	135.15	120	131.7		

Date of test 8/23/17

Bailer Test _____ gal./min. with _____ ft. drawdown after _____ hrs.

Airtest _____ gal./min. with stem set at _____ ft. for _____ hrs.

Artesian flow _____ g.p.m. Date _____

Temperature of water _____ Was a chemical analysis made? ☐ Yes ☒ No

CURRENT

Notice of Intent No. WE27785

Unique Ecology Well ID Tag No. BIT833

Water Right Permit No. G1-25739 and others

Property Owner Name PUD #1 of Kitsap County

Well Street Address NE Baker Hill Road

City Bainbridge Island County Kitsap

Location NE 1/4-1/4 NE 1/4 Sec 4 Twn 24N R 2E EWM ☒ Check Or WWM ☐ One

(s, t, r Still REQUIRED)

Lat/Long Lat Deg 47 Lat Min/Sec 36'23.5"N

Long Deg 122 Long Min/Sec 32'40.09"W

Tax Parcel No. (Required) 042402-1-054-2005

CONSTRUCTION OR DECOMMISSION PROCEDURE

Formation: Describe by color, character, size of material and structure, and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of information. (USE ADDITIONAL SHEETS IF NECESSARY.)

MATERIAL	FROM	TO
Brown claybound silty sand & gravel	0	10
Gray silty clay with gravel	10	12
Black sharp gravel, black sand w/gray clay binder	12	20
Gray sticky clay w/gravel	20	21
Black sharp gravel, black sand w/silt binder	21	38
Gray fine to medium sand, some black gravel,	38	
loose, silty		54
Gray silty clay	54	67
Gray sticky clay	67	96
Gray sticky clay w/lenses of black peagravel& sand	96	134
Black claybound sand & gravel, silty	134	174
Gray fine to medium sand w/wood	174	181
Black medium gravel, fine to medium gray sand	181	182
Gray fine to medium sand, H20	182	199
Gray medium to coarse sand, gravel, H20	199	202
Black medium gravel, medium to coarse black	202	
sand, H20		213
Gray fine to medium sand, H20	213	244
Gray fine to medium sand,some gravel&wood,H20	244	279
Gray fine to coarse sand, gravel,some silt, H20	279	320
Gray fine silt	320	322
"Total Screen Assembly 35' 7 1/2"		
5.4' Riser w/packer		
20 Slot		
30 Slot		
30 Slot		
20 Slot		
30 Slot		
4' Tailpipe		

RECEIVED NOV 21 2017 DEPT OF ECOLOGY NWRO - WR

Start Date 06/06/17 Completed Date 8/4/17

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

☒ Driller ☐ Engineer ☐ Trainee Name (Print) CHAD A GRESHAM

Driller/Engineer/Trainee Signature _____

Driller or trainee License No. 3150

IF TRAINEE: Driller's License No: _____

Driller's Signature: _____

Drilling Company GRESHAM PUMP AND DRILLING INC

Address P O BOX 1600

City, State, Zip POULSBO , WA , 98370

Contractor's Registration No. GRESHPD871B8 Date 9/22/17

ECY 050-1-20 (Rev 06/08) If you need this document in an alternate format, please call the Water Resources Program at 360-407-6600. Persons with hearing loss can call 711 for Washington Relay Service. Persons with a speech disability can call 877-833-6341.

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

File Original and First Copy with Department of Ecology
Second Copy—Owner's Copy
Third Copy—Driller's Copy

WATER WELL REPORT

STATE OF WASHINGTON

Start Card No. [redacted]

Water Right Permit No. 27/2/35K

(1) **OWNER:** Name Kitsap PUD No. 1 Address 1431 Finn Hill Rd., Poulsbo, WA 98370

(2) **LOCATION OF WELL:** County Kitsap NW ¼ of SE ¼ Sec. 35 T 27 N., R 2E W.M.

(2a) **STREET ADDDRESS OF WELL** (or nearest address) off Hillbend Lane, south of Kingston, WA

(3) **PROPOSED USE:** ☐ Domestic ☐ Irrigation ☐ DeWater ☐ Industrial ☐ Test Well ☒ Municipal ☐ Other

(4) **TYPE OF WORK:** Owner's number of well (if more than one) South Kingston Well

Abandoned ☐ New well ☒ Deepened ☐ Reconditioned ☐ Method: Dug ☐ Cable ☐ Rotary ☒ Bored ☐ Driven ☐ Jetted ☐

(5) **DIMENSIONS:** Diameter of well 16x10 inches.
Drilled 812 feet. Depth of completed well 809 ft.

(6) **CONSTRUCTION DETAILS:**

Casing Installed: 16 " Diam. from +2 ft. to 708 ft.
Welded ☒ Liner Installed ☐ Threaded ☐ 10 " Diam. from 659* ft. to 809* ft.
12 " Diam. from 808 ft. to 812 ft.

Perforations: Yes ☐ No ☒
Type of perforator used
SIZE of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

Screens: Yes ☒ No ☐
Manufacturer's Name Houston
Type V shape wire wrap Model No. 304SS
Diam. Slot size from ft. to ft.
Diam. Slot size from ft. to ft.

Gravel packed: Yes ☒ No ☐ Size of gravel
Gravel placed from ft. to ft.

Surface seal: Yes ☒ No ☐ To what depth? 22 ft.
Material used in seal cement
Did any strata contain unusable water? Yes ☐ No ☐
Type of water? Depth of strata
Method of sealing strata off

(7) **PUMP:** Manufacturer's Name
Type: H.P.

(8) **WATER LEVELS:** Land-surface elevation above mean sea level approx 125 ft.
Static level 106 ft. below top of well Data 8/6/92
Artesian pressure lbs. per square inch Data
Artesian water is controlled by (Cap, valve, etc.)

(9) **WELL TESTS:** Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☒ No ☐ If yes, by whom? SEI
Yield: 1110 gal./min. with 16 ft. drawdown after 1 hrs.
" 1110 " 20 " 4 "
" 1110 " 24 " 5 "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test 8/6/92
Bailer test gal./min. with ft. drawdown after hrs.
Airtest gal./min. with stem set at ft. for hrs.
Artesian flow g.p.m. Date
Temperature of water 52°F Was a chemical analysis made? Yes ☒ No ☐

(10) **WELL LOG or ABANDONMENT PROCEDURE DESCRIPTION**

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of information.

MATERIAL	FROM	TO
See attached log		
*except at screens		
screen locations:		
10" PS .060 slot	742	752
10" PS .100 slot	762	772
10" PS .080 slot	772	782
10" PS .100 slot	782	807

RECEIVED
SEP 14 1992
DEPT. OF ECOLOGY

Work started 5/11/92, 19. Completed 8/7, 1992

WELL CONSTRUCTOR CERTIFICATION:

I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

NAME Schneider Equipment, Inc. (PERSON, FIRM, OR CORPORATION) (TYPE OR PRINT)
Address 21881 River Road NE St. Paul, OR 97137
(Signed) Stephen Schneider (WELL DRILLER) Driller License No. 0643
Contractor's Registration No. SCHNEI*226LG Date August 28, 1992

(USE ADDITIONAL SHEETS IF NECESSARY)

by R & N SEI 9220

ECY 050-1-20 (10/87) -1329-

The Dep. The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

RECEIVED
SEP 14 1992
DEPT. OF ECOLOGY

KITSAP PUD NO. 1
South Kingston Well
by Schneider Drilling Co.
WA S.C. #026513

From	To	Description
0	5	Clay, brown, silty, med-soft
5	16	Clay, gray, silty, med with wood
16	18	Clay, dark brown, med-hard with wood
18	30	Clay, gray, silty, med-hard with wood
30	45	Clay, gray, silty, soft
45	65	Clay, gray, silty, soft, some wood
65	71	Clay, brown, silty, soft, some wood
71	78	Sand, coarse, some pea gravel & some wood
78	95	Clay, gray, silty, med, some wood
95	110	Clay, gray, silty, soft
110	146	Clay, brown, silty, soft, some wood
146	149	Clay, gray, silty, soft, some wood
149	189	Clay, brown & gray, silty, soft
189	225	Clay, gray, silty, soft, some wood
225	253	Coarse sand/pea grvl, some clay, gray, silty, some wood
253	264	Clay, gray, silty, soft, with wood
264	272	Clay, gray, silty, coarse, sand, pea grvl, wood
272	320	Clay, gray, soft
320	380	Clay, gray, silty, soft
380	414	Clay, gray, silty, soft, some small gravel
414	468	Clay, gray, silty, soft, some hard clay layers
468	529	Clay, gray, silty, soft, some sandy clay
529	532	Clay, gray, soft, silty, sandy
532	556	Sand, coarse, with clay & some wood & pea gravel
556	589	Clay, gray, sandy, silty, some gravel, some wood
589	610	Clay, gray, sandy, silty, some gravel
610	622	Clay, gray, with gravel
622	638	Clay, gray
638	667	Gravel, med, with clay, gray, & sand
667	696	Clay, gray
696	708	Clay, gray, silty, with gravel
708	718	Clay, brown, silty, with gravel
718	722	Silt, gray, sand, fine
722	730	Clay, gray
730	739	Gravel, 1/2 to 2", some sand
739	742	Gravel, large, some sand, coarse
742	750	Sand, med-coarse, gravel, coarse
750	761	Gravel, med, sand, coarse
761	797	Gravel, med-large, some sand
797	798	Sand, med, gravel, med
798	812	Gravel, med-large, sand, coarse

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

Bruner, Marian (ECY)

From: Marty Sebren [marty@kpud.org]
Sent: Tuesday, February 23, 2010 3:05 PM
To: Bruner, Marian (ECY)
Subject: Well Logs contact

To Whom It May Concern:

In the table below I have associated **well_log_id** with **well_tag_nr** for a number of older Kitsap PUD well logs where your system currently lacks the well_tag_nr. Please update your system with the **well_tag_nr** provided here.

well_log_id	well_tag_nr	well_depth_qt	well_diameter_qt	well_owner_nm
66900	AAA106	212	12	KITSAP COUNTY PUD
66901	AAC799	364	12	KITSAP COUNTY PUD #1
66902	AAA111	1030	6	KITSAP COUNTY PUD #1
66903	AAA110	402	8	KITSAP COUNTY PUD #1
66904	AAA012	805	10	KITSAP COUNTY PUD #1
66905	AAA014	338	12	KITSAP COUNTY PUD NO. 1
66910	AAC340	1070	6	KITSAP PUD #1
66912	ACK363	375	6	KITSAP PUD #1
66913	AAA102	466	6	KITSAP PUD #1
66914	AAA015	329	12	KITSAP PUD #1
66915	AAA710	330	22	KITSAP PUD NO. 1
66916	AAA013	335	16	KITSAP PUD NO. 1
278452	AAA707	809	16	KITSAP PUD NO. 1
69371	AAB416		8	PUD #1, KITSAP COUNTY
69372	AAB471	239	12	PUD NO 1 OF KITSAP COUNTY
69373	AAA717	587	8	PUD NO 1 OF KITSAP COUNTY
69374	AAB406	414	12	PUD NO. 1 OF KITSAP CO.
70898	AAA713	473	8	SUQUAMISH WELL NO. 2 (KPUD)

Martin B. Sebren, L.H.G.

Public Utility District No. 1 of Kitsap County

PO Box 1989

Poulsbo, WA 98370

Office: (360) 626-7722

Cell: (360) 265-6553

Fax: (360) 697-4197

e-mail: sebe@kpud.org

26/N2 — 23/E

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT
STATE OF WASHINGTON

Application No. .....
Permit No. 98110

(1) **OWNER:** Name Steve Pyke Address 16500 Agate Pass Rd. Bainbridge Island

(2) **LOCATION OF WELL:** County Kitsap NW¼ SW¼ ¼ Sec. 28 T. 26 N., R. 2E W.M.

Bearing and distance from section or subdivision corner

(3) **PROPOSED USE:** Domestic [X] Industrial [ ] Municipal [ ]
Irrigation [ ] Test Well [ ] Other [ ]

(4) **TYPE OF WORK:** Owner's number of well (if more than one) .....
New well [X] Method: Dug [ ] Bored [ ]
Deepened [ ] Cable [X] Driven [ ]
Reconditioned [ ] Rotary [ ] Jetted [ ]

(5) **DIMENSIONS:** Diameter of well 6 inches.
Drilled 217 ft. Depth of completed well 217 ft.

(6) **CONSTRUCTION DETAILS:**

Casing installed: ..." Diam. from ... ft. to ... ft.
Threaded [ ] ..." Diam. from ... ft. to ... ft.
Welded [X] 6" Diam. from 0 ft. to 212 ft.

Perforations: Yes [ ] No [X]
Type of perforator used .....
SIZE of perforations ... in. by ... in.
... perforations from ... ft. to ... ft.
... perforations from ... ft. to ... ft.
... perforations from ... ft. to ... ft.

Screens: Yes [X] No [ ]
Manufacturer's Name Johnson
Type Stainless Model No. .....
Diam. ... Slot size ... from ... ft. to ... ft.
Diam. 6 Slot size 6 from 212 ft. to 217 ft.

Gravel packed: Yes [ ] No [X] Size of gravel: .....
Gravel placed from ... ft. to ... ft.

Surface seal: Yes [X] No [ ] To what depth? 20 ft.
Material used in seal Bentonite
Did any strata contain unusable water? Yes [ ] No [X]
Type of water? ... Depth of strata ...
Method of sealing strata off .....

(7) **PUMP:** Manufacturer's Name Ite - Aze
Type: Jet H.P. 1

(8) **WATER LEVELS:** Land-surface elevation above mean sea level .... 160 ft.
Static level 138 ft. below top of well Date 1-19-83
Artesian pressure ... lbs. per square inch Date .....
Artesian water is controlled by ... (Cap, valve, etc.)

(9) **WELL TESTS:** Drawdown is amount water level is lowered below static level
Was a pump test made? Yes [X] No [ ] If yes, by whom? Driller
Yield: gal./min. with ft. drawdown after hrs.

14½	"	16	"	3	"
"	"	"	"	"	"

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test .....
Bailer test 15 gal./min. with 12 ft. drawdown after 3 hrs.
Artesian flow ... g.p.m. Date .....
Temperature of water ... Was a chemical analysis made? Yes [ ] No [X]

(10) **WELL LOG:**

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL		FROM	TO
Clay	Brown	0	18
Clay	Blue	18	60
Silt	"	60	94
Clay - Sandy	Brown	94	96
Sand & gravel - Coarse	"	96	101
Sand - Clayband	Gray	101	120
Silt + sand	"	120	126
Silt + sand	"	126	137
Silt	"	137	194
Silty sand	"	194	201
Silt + fine sand	"	201	203
Clay	Blue	203	206
Silty fine sand	"	206	210
Sand - Fine	"	210	216
Sand - Dirty	"	216	—

Work started Jan. 7, 1983 Completed Jan. 19, 1983

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME CRABTREE DRILLING CO.
(Person, firm, or corporation) (Type or print)

Address 33349 EGLON RD. NE KINGSTON

[Signed] Jerry Crabtree
(Well Driller)

License No. 82 Date Jan. 24, 1983

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

WASHINGTON STATE DEPARTMENT OF ECOLOGY

UNIQUE WELL I D. NUMBER A A A 2 9 8
X Y Z 1 2 3

WELL TAGGING FORM

Date of Field Visit 6/5/92 By BA - PUD #1

RECORD VERIFICATION

- ☒ Well Report available *(please attach)*
- ☐ Well Report not available
- ☐ Verification inconclusive

WELL OWNERSHIP

Name Stephen Pyke

Street address 16500 Agate Pass Rd NE

City Bainbridge Is State WA 98110

Is this information: ☒ Current, to the best of your knowledge
☐ Copied from the *Well Report*

LOCATION OF WELL

Well Address 16500 Agate Pass Rd NE

City Bainbridge Is County Kitsap

T. 26 N. R. 02E WM Sec. 28K NW ¼ of the SE ¼

GPS Location: Latitude 47 ° 42 ' 76 N "

Longitude 122 ° 33 ' 19 W "

Elevation at land surface ~~190~~ 140 (feet) meters *(circle one)*

- ~~☒~~ Digital Altimeter
- ☒ Topographic Map
- ☐ Other

If unable to verify location with GPS equipment:

- ☐ Location marked on topographic map *(please attach if available)*
- ☐ Location marked on air photo *(please attach if available)*

Please attach this form to the Well Report and submit it to the Department of Ecology Regional Office in your area.

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

AAA298

WELL CHARACTERISTICS

Physical Description of Well (size of casing, type of well, housing, etc.): drilled, 6" casing in 'dog house' structure attached to side of shed

Location of Well Identification Tag: on casing 1" from top

Was Supplemental Tag needed for ease of identifying well?

☒ NO ☐ YES

If yes, where was tag placed? _____

Scale 1:24,000 (1"=2,000')

D	C	B	A
E	F	G	H
M	L	K •	J
N	P	Q	R

SECTION 28K

Indicate the location of the well within the Section by drawing a dot at that point.

COMMENTS: _____

FOR ECOLOGY WATER RESOURCES PROGRAM USE ONLY

Water Right # _____ Date Issued _____

Circle one: Application Permit Certificate Claim Exempt

Send First Copy with Report of Ecology
Copy — Owner's Copy
Copy — Driller's Copy

AAA298

WATER WELL REPORT
STATE OF WASHINGTON

Application No .....
Permit No 98110

(1) OWNER: Name Steve Pyke Address 16500 Agate Pass Rd. Bainbridge Isl
(2) LOCATION OF WELL: County Kitsap NW¼ NW¼ SW¼ Sec 28 T 26 N. R. 2 E W M
Bearing and distance from section or subdivision corner

(3) PROPOSED USE: Domestic [X] Industrial [ ] Municipal [ ]
Irrigation [ ] Test Well [ ] Other [ ]

(4) TYPE OF WORK: Owner's number of well (if more than one) ....
New well [X] Method Dug [ ] Bored [ ]
Deepened [ ] Cable [X] Driven [ ]
Reconditioned [ ] Rotary [ ] Jetted [ ]

(5) DIMENSIONS: Diameter of well 6 inches
Drilled 217 ft Depth of completed well 215 ft

(6) CONSTRUCTION DETAILS:
Casing installed: .... " Diam from .... ft to .... ft
Threaded [ ] " Diam from .... ft to .... ft
Welded [X] 6 " Diam from 0 ft to 212 ft

Perforations: Yes [ ] No [X]
Type of perforator used ....
SIZE of perforations .... in by .... in
.... perforations from .... ft to .... ft
.... perforations from .... ft to .... ft
.... perforations from .... ft to .... ft

Screens: Yes [X] No [ ]
Manufacturer's Name Johnson
Type Stainless Model No. ....
Diam .... Slot size .... from .... ft to .... ft
Diam 6 Slot size 6 from 212 ft. to 217 ft.

Gravel packed: Yes [ ] No [X] Size of gravel ....
Gravel placed from .... ft to .... ft

Surface seal: Yes [X] No [ ] To what depth? 20 ft.
Material used in seal Bentonite
Did any strata contain unusable water? Yes [ ] No [X]
Type of water? .... Depth of strata ....
Method of sealing strata off ....

(7) PUMP: Manufacturer's Name Sta-Rite
Type Jet H.P. 1

(8) WATER LEVELS: Land-surface elevation above mean sea level 160 ft
Static level 138 ft below top of well Date 1-19-83
Artesian pressure .... lbs per square inch Date ....
Artesian water is controlled by .... (Cap, valve etc)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes [X] No [ ] If yes, by whom? Driller

Yield	gal/min with	ft drawdown after	hrs
14½	16	3	"
"	"	"	"

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test ....
Bailer test 15 gal/min with 12 ft drawdown after 3 hrs
Artesian flow .... g.p.m. Date ....
Temperature of water .... Was a chemical analysis made? Yes [ ] No [X]

(10) WELL LOG:
Formation Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation

MATERIAL		FROM	TO
Clay	Brown	0	18
Clay	Blue	18	60
Silt	"	60	94
Clay - sandy	Brown	94	96
Sand & gravel - Cemented	"	96	101
Sand - Clay bound	Gray	101	120
Silt & sand	"	120	126
Silt & sand	"	126	137
Silt	"	137	194
Silty sand	"	194	201
Silt & fine sand	"	201	203
Clay	Blue	203	206
Silty fine sand	"	206	210
Sand - Fine	"	210	216
Sand - Dirty	"	216	—

Work started Jan. 7, 1983 Completed Jan. 19, 1983

WELL DRILLER'S STATEMENT:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief

NAME CRABTREE DRILLING CO.
(Person firm or corporation) (Type or print)
Address 33349 EGLON RD. NE KINGSTON
[Signed] Jerry Crabtree
(Well Driller)
License No 82 Date Jan. 24, 1983

(USE ADDITIONAL SHEETS IF NECESSARY)

The Department of Ecology does NOT Warrant the Data and/or the Information on this Well Report.

KITSAP COUNTY PUD #1
PRIVATE WELL/CONSERVATION PROGRAM

LAB NO. 866 map 2/46

ACCOUNT NO. _____ DIV. _____

CUSTOMER NAME (PLEASE PRINT) Stephen Pyke (FIRST) (LAST)

ADDRESS WHERE SHOWERHEAD INSTALLED:

STREET 16500 Agate Pass Rd NE UNIT # _____

CITY Bainbridge Is STATE WA ZIP 98110

CUSTOMER'S SIGNATURE no one home no devices left DATE 6/5/92 requested 5/26/92

QUANTITY	BRAND	PROGRAM/DELIVERY METHOD
	Ondine Showerhead	(4) Business Office
	Kitchen Aerator	(1) Single Family
_____	Bath Aerator	_____ (4) Contractor Installed

PUD ACCT # 001029 WELL ID # AAA 298 LOCAL # 26N/02E-28K

ELEVATION 140' topo LATITUDE/LONGITUDE 47°42.76N/122°33.19W

PDOP 1.4 12 13 15 9 79

DUG) _____ DRILLED(W) _____ SPRING(S) _____

ORIGINAL OWNER Pyke DRILLER Crabtree

YEAR DRILLED 1983 WELL DEPTH 212

PHONE # 842-1566 home 842-1212 work TIME BEGAN 12:39 TIME COMPLETED 1:30

DESCRIPTION OF MEASURING PT. (MP) top of seal on casing

HEIGHT OF MP ABOVE/BELOW LAND SURFACE 1.60 BacT P

DEPTH TO WATER BELOW MP 141.13 DEPTH TO WATER BELOW LS 139.53

TEMPERATURE 54.4 SPECIFIC CONDUCTIVITY 199 ph 8.18

Nitrate mg/L 0.8 Fe mg/L 0.19 Mn mg/L 0.004

COLOR clear ODOR metallic APPEARANCE normal

SAMPLING POINT DESCRIPTION outside hose bib

REMARKS mobile home

SAMPLING PERSONNEL BA

DISPLACEMENT BAG INSTALLED _____ YES _____ (NO)

conf Fr: 6/5/92

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

VENICE LOOP RD

WATER WELL REPORT

STATE OF WASHINGTON

25/02-08 J
Application No. G1-23823
Permit No. .....

(1) OWNER: Name STEVE TURNER Address 15142 SALTAIR DR., POULSBO, WA 98370

(2) LOCATION OF WELL: County KITSAP NE¼ NE¼ SE¼ Sec. 8 T. 25 N., R. 2 E. W.M.

Bearing and distance from section or subdivision corner

(3) PROPOSED USE: Domestic ☒ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

(4) TYPE OF WORK: Owner's number of well (if more than one) .....
New well ☒ Method: Dug ☐ Bored ☐
Deepened ☐ Cable ☒ Driven ☐
Reconditioned ☐ Rotary ☐ Jetted ☐

(5) DIMENSIONS: Diameter of well 6 inches.
Drilled 200 ft. Depth of completed well 198 ft.

(6) CONSTRUCTION DETAILS:

Casing installed: ..." Diam. from ... ft. to ... ft
Threaded ☐ ..." Diam. from ... ft. to ... ft.
Welded ☒ 6" Diam. from 10 ft. to 198 ft.

Perforations: Yes ☐ No ☒
Type of perforator used .....
SIZE of perforations ... in. by ... in.
... perforations from ... ft. to ... ft.
... perforations from ... ft. to ... ft.
... perforations from ... ft. to ... ft.

Screens: Yes ☒ No ☐
Manufacturer's Name JOHNSON SS
Type SLOT Model No. SUPER
Diam. 5 Slot size 6 from 194 ft. to 198 ft.
Diam. ... Slot size ... from ... ft. to ... ft.

Gravel packed: Yes ☐ No ☒ Size of gravel: .....
Gravel placed from ... ft. to ... ft.

Surface seal: Yes ☒ No ☐ To what depth? 19 ft.
Material used in seal BENTONITE
Did any strata contain unusable water? Yes ☐ No ☒
Type of water? ... Depth of strata ...
Method of sealing strata off .....

(7) PUMP: Manufacturer's Name WAYNE ROK
Type: SUB H.P. ¾

(8) WATER LEVELS: Land-surface elevation above mean sea level .... ft.
Static level 60 ft. below top of well Date 3-25-81
Artesian pressure ... lbs. per square inch Date ...
Artesian water is controlled by ... (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☒ No ☐ If yes, by whom? .....
Yield: 20 gal./min. with 35 ft. drawdown after 4 hrs.
" " " "
" " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test 3-25-81
Baller test 15 gal./min. with 25 ft. drawdown after 4 hrs.
Artesian flow ... g.p.m. Date 3-26-81
Temperature of water ... Was a chemical analysis made? Yes ☐ No ☐

(10) WELL LOG:

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL	FROM	TO
TOP SOIL	0	2
CLAY BR	2	31
CLAY GREY	31	88
CLAY FINE SAND GR-	88	94
CLAY SILTY GREY	94	159
FINE SAND WATER	159	198
CLAY GREY	198	200

Work started 3-12 19 81 Completed 3-25 19 81

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME McCoy Drilling & Well Development Co. (Person, firm, or corporation) (Type or print)

Address 2801 S. Bayview St Seattle, Wa. 98144

[Signed] Walter N. Singer (Well Driller)

License No. 0120 Date 3-25 19 81

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

File Original and First Copy with Department of Ecology
Second Copy—Owner's Copy
Third Copy—Driller's Copy

WATER WELL REPORT

STATE OF WASHINGTON

Start Card No. _____

Water Right Permit No. G1-26704

(1) **OWNER:** Name CITY OF BAINBRIDGE ISLAND Address 625 WINSLOW WAY EAST

(2) **LOCATION OF WELL:** County KITSAP SW¼ NE¼ Sec 35 T 25 N., R 2E W.M.

(2a) **STREET ADDDRESS OF WELL** (or nearest address) NO END OF TAYLOR RD. 25 | 2 | 35G

(3) **PROPOSED USE:** ☐ Domestic ☐ Irrigation ☐ DeWater ☐ Industrial ☐ Test Well ☒ Municipal ☐ Other

(4) **TYPE OF WORK:** Owner's number of well (if more than one) _____
Abandoned ☐ New well ☒ Deepened ☐ Reconditioned ☐ Method: Dug ☐ Cable ☐ Rotary ☒ Borad ☐ Driven ☐ Jetted ☐

(5) **DIMENSIONS:** Diameter of well 12 inches.
Drilled 694 feet. Depth of completed well 594 ft.

(6) **CONSTRUCTION DETAILS:**
Casing installed: 16" Diam. from +.75 ft. to 327 ft.
Welded ☒ 12" Diam. from +1.9 ft. to 558 ft.
Liner installed ☐ 6" Diam. from 527 ft. to 594 ft.
Threaded ☐
Perforations: Yes ☐ No ☒
Type of perforator used _____
SIZE of perforations _____ in. by _____ in.
_____ perforations from _____ ft. to _____ ft.
_____ perforations from _____ ft. to _____ ft.
_____ perforations from _____ ft. to _____ ft.
Screens: Yes ☒ No ☐
Manufacturer's Name JOHNSON
Type 304 STAINLESS Model No. _____
Diam. 6 Slot size .010" from 544 ft. to 579 ft.
Diam. 6 Slot size .010" from 557 ft. to 584 ft.
Gravel packed: Yes ☒ No ☐ Size of gravel 6X9
Gravel placed from 594 ft. to 527 ft.
Surface seal: Yes ☒ No ☐ To what depth? 332 ft.
Material used in seal CEMENT GROUT
Did any strata contain unusable water? Yes ☒ No ☐
Type of water? 30-57', 78-108' Depth of strata 136-163
Method of sealing strata off PRESSURE GROUT

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MAR 25 1994
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(7) **PUMP:** Manufacturer's Name NA
Type: _____ H.P. _____

(8) **WATER LEVELS:** Land-surface elevation above mean sea level 15 ft.
Static level L.S. ft. below top of well Date 1/19/94
Artesian pressure _____ lbs. per square inch Date _____
Artesian water is controlled by _____ (Cap, valve, etc.)

(9) **WELL TESTS:** Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☒ No ☐ If yes, by whom? HT, R+N
Yield: 80 gal./min. with 148 ft. drawdown after 24 hrs.
" " " " " "
" " " " " "
Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level
10 MIN	56.4				
32 MIN	11.				
60 MIN	7.1				

Date of test 1/19/94
Bailer test _____ gal./min. with _____ ft. drawdown after _____ hrs.
Airtest _____ gal./min. with stem set at _____ ft. for _____ hrs.
Artesian flow _____ g.p.m. Date _____
Temperature of water _____ Was a chemical analysis made? Yes ☒ No ☐

(10) **WELL LOG or ABANDONMENT PROCEDURE DESCRIPTION**

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of information.

MATERIAL	FROM	TO
GRAY BROWN SANDY SILT SOME GVL	0	18
GRAY CLAYEY SILT, SOME SMALL GVL	18	30
GRAY SILTY SAND AND GRAVEL	30	57
GRAY SILTY CLAY AND GRAVEL	57	68
GRAY SILTY SAND AND GRAVEL	68	78
GRAY SILTY SAND AND GVL, COBBLES	78	108
GRAY BROWN SILT SAND GVL	108	117
BROWN SANDY SILT	117	136
SILT WITH LAYERS OF BROWN SND	136	163
GRAY SILT BOUND SAND AND GRAVEL	169	178
GRAY AND BROWN SANDY SILT, SAND	178	186
FINE TO COARSE, SAND AND GRAVEL, SILT	186	194
HARD TILL	194	204
GRAVEL, COBBLES AND SILT	204	215
BROWN SAND SILT	215	260
GRAY SILT	260	293
DARK GRAY SILT WITH BROWN SAND	293	307
SANDY SILT WITH GRAVEL	307	332
GRAY SILT WITH SANDY LAYERS	332	382
SANDY SILTY CLAY	382	430
TILL	430	440
GRAY SILTY SAND	440	455
SAND AND GRAVEL	455	460
SILTY SAND WITH GRAVEL, SILT LAYERS	460	530
TAN GRAY SILT	530	557
SAND AND GRAVEL	557	566
CEMENTED SAND AND GRAVEL	566	574
SAND AND GRAVEL	574	581
CEMENTED SAND AND GRAVEL	581	584
SILTY CLAY WITH GRAVEL	584	593
SILTY CLAY WITH SAND LAYERS	593	607
GRAY FINE SILT	607	616
GRAY SILTY SAND	616	641
GRAY SILTY CLAY	641	694

Work started 8/10/93, 19. Completed 1/28/94, 19

WELL CONSTRUCTOR CERTIFICATION:

I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

NAME HOLT TESTING (PERSON, FIRM, OR CORPORATION) (TYPE OR PRINT)

Address 10621 TODD RD. EAST, 98372

(Signed) Ray Holt (WELL DRILLER) License No. 1099

Contractor's Registration No. HOLTTI*087QJ Date 2-8, 1994

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20 (10/87) -1329

The Department of Ecology does NOT Warrant the Data and/or the Information on this Well Report.

WATER WELL REPORT

DEPARTMENT OF ECOLOGY State of Washington

Original & 1st copy - Ecology, 2nd copy - owner, 3rd **copy - driller**

Construction/Decommission *("x" in circle)*

☒ Construction

☐ Decommission *ORIGINAL INSTALLATION*

Notice of Intent Number _____

PROPOSED USE: ☒ Domestic ☐ Industrial ☐ Municipal ☐ DeWater ☐ Irrigation ☐ Test Well ☐ Other _____

TYPE OF WORK: Owner's number of well (if more than one) _____

☒ New well ☐ Reconditioned *Method:* ☐ Dug ☐ Bored ☐ Driven ☐ Deepened ☐ Cable ☒ Rotary ☐ Jetted

DIMENSIONS: Diameter of well 6 inches, drilled 295 ft.

Depth of completed well 293 ft.

CONSTRUCTION DETAILS

Casing Installed: ☒ Welded 6 " Diam. from +1.5 ft. to 290 ft.

☐ Liner installed _____ " Diam. from _____ ft. to _____ ft.

☐ Threaded _____ " Diam. From _____ ft. to _____ ft.

Perforations: ☐ Yes ☒ No

Type of perforator used _____

SIZE of perfs _____ in. by _____ in. and no. of perfs _____ from _____ ft. to _____ ft.

Screens: ☒ Yes ☒ No ☐ K-Pac Location 287'

Manufacturer's Name Alloy Machine Works

Type Stainless Steel Model No. Telescoping

Diam. 5" Slot size .010 from 288 ft. to 293 ft.

Diam. _____ Slot size _____ from _____ ft. to _____ ft.

Gravel/Filter packed: ☐ Yes ☒ No Size of gravel/sand _____

Materials placed from _____ ft. to _____ ft.

Surface Seal: ☒ Yes ☐ No To what depth? 19 ft.

Material used in seal Bentonite Chips

Did any strata contain unusable water? ☐ Yes ☒ No

Type of water? _____ Depth of strata _____

Method of sealing strata off _____

PUMP: Manufacturer's Name Goulds

Type: Submersible 10CS15 H.P. 1 1/2

WATER LEVELS: Land-surface elevation above mean sea level 250 ft.

Static level 215.7 ft. below top of well Date 1/26/18

Artesian pressure _____ lbs. per square inch Date _____

Artesian water is controlled by _____ (cap, valve, etc.)

WELL TESTS: Drawdown is amount water level is lowered below static level

Was a pump test made? ☒ Yes ☐ No If yes, by whom? Gresham

Yield: 14 gal./min. with 25.7 ft. drawdown after 1+ hrs.

Yield: _____ gal./min. with _____ ft. drawdown after _____ hrs.

Yield: _____ gal./min. with _____ ft. drawdown after _____ hrs.

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level
FULL	RECOV	20MI			

Date of test 1/26/18

Bailer Test _____ gal./min. with _____ ft. drawdown after _____ hrs.

Airtest 12 gal./min. with stem set at 260 ft. for 1 hrs.

Artesian flow _____ g.p.m. Date _____

Temperature of water 50 Was a chemical analysis made? ☒ Yes ☐ No

CURRENT

Notice of Intent No. WE27981

Unique Ecology Well ID Tag No. BKY883

Water Right Permit No. N/A

Property Owner Name Thomas Blackmore

Well Street Address 7200 NE Dolphin DR

City Bainbridge Island County Kitsap

Location SW 1/4-1/4 SE 1/4 Sec 28 Twn 26N R 2E EWM ☒ Check Or WWM ☐ One

(s, t, r Still REQUIRED)

Lat/Long Lat Deg 47 Lat Min/Sec 42'30"N

Long Deg 122 Long Min/Sec 33'7"W

Tax Parcel No. (Required) 4131-000-043-0102

CONSTRUCTION OR DECOMMISSION PROCEDURE

Formation: Describe by color, character, size of material and structure, and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of information. (USE ADDITIONAL SHEETS IF NECESSARY.)

MATERIAL	FROM	TO
Brown silty sand & gravel, loose	0	4
Brown fine to medium sand, some gravel, loose	4	33
Gray silt	33	50
Gray sticky clay	50	67
Brown fine silty sand, wet	67	69
Gray silt	69	104
Brown silty clay with lenses of gravel	104	130
Brown sticky clay	130	137
Gray sitly clay	137	198
Gray fine to mediums and	198	204
Gray sticky clay	204	215
Gray silt	215	228
Brown silt	228	232
Black gravel, medium gray sand, silt	232	238
Gray sticky clay	238	280
Fine gray sand, H2O	280	295

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DEPT OF ECOLOGY
MAY 03 2018
WATER RESOURCES PROGRAM
NORTHWEST REGIONAL OFFICE

Start Date 1/22/18 Completed Date 1/24/18

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

☒ Driller ☐ Engineer ☐ Trainee Name (Print) JOSH KOEPP

Driller/Engineer/Trainee Signature _____

Driller or trainee License No. 2874

IF TRAINEE: Driller's License No: _____

Driller's Signature: _____

Drilling Company GRESHAM PUMP AND DRILLING INC

Address P O BOX 1600

City, State, Zip POULSBO , WA , 98370

Contractor's Registration No. GRESHPD871B8 Date 1/29/18

ECY 050-1-20 (Rev 06/08) If you need this document in an altenate format, please call the Water Resources Program at 360-407-6600. Persons with hearing loss can call 711 for Washington Relay Service. Persons with a speech disability can call 877-833-6341.

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report

26/2E/33 Q

File Original and First Copy with Department of Ecology
Second Copy—Owner's Copy
Third Copy—Driller's Copy

WATER WELL REPORT

STATE OF WASHINGTON

Start Card No. 072092

Water Right Permit No. _____

(1) OWNER: Name Tom Bockelman Address 14778 SILVERTON, B.I. 98110

(2) LOCATION OF WELL: County Kitsap SW ¼ SE ¼ Sec 33 T. 26 N., R. 2E W.M.

(2a) STREET ADDRESS OF WELL (or nearest address) 14778 Silverton

(3) PROPOSED USE: [X] Domestic [ ] Industrial [ ] Municipal [ ] Irrigation [ ] Test Well [ ] Other [ ] DeWater

(4) TYPE OF WORK: Owner's number of well (if more than one) _____

Abandoned [ ] New well [X] Method: Dug [ ] Bored [ ] Deepened [ ] Cable [X] Driven [ ] Reconditioned [ ] Rotary [ ] Jetted [ ]

(5) DIMENSIONS: Diameter of well 6 inches. Drilled 242 feet. Depth of completed well 242 ft.

(6) CONSTRUCTION DETAILS:

Casing installed: 6 " Diam. from 0 ft. to 232 ft.
Welded [X] _____ " Diam. from _____ ft. to _____ ft.
Liner installed [ ]
Threaded [ ] _____ " Diam. from _____ ft. to _____ ft.

Perforations: Yes [ ] No [X]
Type of perforator used _____
SIZE of perforations _____ in. by _____ in.
_____ perforations from _____ ft. to _____ ft.
_____ perforations from _____ ft. to _____ ft.
_____ perforations from _____ ft. to _____ ft.

Screens: Yes [X] No [ ]
Manufacturer's Name JOhnson
Type stainless steel Model No. _____
Diam. 6 Slot size 4 from 232 ft. to 242 ft.
Diam. _____ Slot size _____ from _____ ft. to _____ ft.

Gravel packed: Yes [ ] No [X] Size of gravel _____
Gravel placed from _____ ft. to _____ ft.

Surface seal: Yes [X] No [ ] To what depth? 18 ft.
Material used in seal Bentonite
Did any strata contain unusable water? Yes [ ] No [X]
Type of water? _____ Depth of strata _____
Method of sealing strata off _____

(7) PUMP: Manufacturer's Name None at time
Type: _____ H.P. _____

(8) WATER LEVELS: Land-surface elevation above mean sea level XXX 120 ft.
Static level 129 ft. below top of well Date 9/26/90
Artesian pressure _____ lbs. per square inch Date _____
Artesian water is controlled by _____ (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes [ ] No [ ] If yes, by whom? _____
Yield: _____ gal./min. with _____ ft. drawdown after _____ hrs.
" " " "
" " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test _____
Bailer test 20+ gal./min. with 35 ft. drawdown after 2 hrs.
Airtest _____ gal./min. with stem set at _____ ft. for _____ hrs.
Artesian flow _____ g.p.m. Date _____
Temperature of water 50 Was a chemical analysis made? Yes [ ] No [X]

(10) WELL LOG or ABANDONMENT PROCEDURE DESCRIPTION

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of information.

MATERIAL	FROM	TO
Overburden	0	2
Brown gravelly hardpan	2	15
Grey gravelly till	15	50
Blue gravelly till	50	65
Blue gritty clay	65	75
Blue sticky clay	75	95
Blue gravelly clay	95	108
Blue sandy clay	108	113
Blue silty sand & clay	113	141
Blue gritty clay	141	180
" " " w/gravel	180	187
Blue silty sand & clay	187	215
" " " w/gravel	215	226
Silty sand & H20	226	233
Fine sand & H20	233	242

RECEIVED
OCT 17 1990
DEPT. OF ECOLOGY

Work started 9/18/90, 19. Completed 9/26/90, 19

WELL CONSTRUCTOR CERTIFICATION:

I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

NAME GRESHAM WELL DRILLING (PERSON, FIRM, OR CORPORATION) (TYPE OR PRINT)

Address 3105 N.W. LAKENESS ROAD, POULSBO 98370

(Signed) _____ (WELL DRILLER) License No. 0761

Contractor's Registration No. GRESHWD206NF Date 10/02/90, 19

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20 (10/87) -1329-

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

25/24/35G

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT
STATE OF WASHINGTON

Application No. G1-24877
Permit No. ....

(1) **OWNER:** Name PORT BLAKELY MILL CO. Address 830 LOGAN BLDG SEATTLE, WA. 98101

(2) **LOCATION OF WELL:** County KITSAP — SW¼ NE¼ Sec. 35 T. 25 N., R. 2E W.M.
Bearing and distance from section or subdivision corner APPROX 950' N, AND 700' E FROM CENTER SEC 35

(3) **PROPOSED USE:** Domestic ☐ Industrial ☐ Municipal ☐ Irrigation ☐ Test Well ☒ Other ☐

(4) **TYPE OF WORK:** Owner's number of well (if more than one) TEST WELL 2
New well ☒ Method: Dug ☐ Bored ☐ Deepened ☐ Cable ☐ Driven ☐ Reconditioned ☐ Rotary ☒ Jetted ☐

(5) **DIMENSIONS:** Diameter of well 8 inches. Drilled 1027 ft. Depth of completed well 1027 ft.

(6) **CONSTRUCTION DETAILS:**
Casing installed: 6 " Diam. from +1 ft. to 320 ft.
Threaded ☐ ..." Diam. from ... ft. to ... ft.
Welded ☒ ..." Diam. from ... ft. to ... ft.

Perforations: Yes ☐ No ☒
Type of perforator used ...
SIZE of perforations ... in. by ... in.
... perforations from ... ft. to ... ft.
... perforations from ... ft. to ... ft.
... perforations from ... ft. to ... ft.

Screens: Yes ☐ No ☒
Manufacturer's Name ...
Type ... Model No ...
Diam. ... Slot size ... from ... ft. to ... ft.
Diam. ... Slot size ... from ... ft. to ... ft.

Gravel packed: Yes ☐ No ☒ Size of gravel: ...
Gravel placed from ... ft. to ... ft.

Surface seal: Yes ☐ No ☒ To what depth? ... ft.
Material used in seal ...
Did any strata contain unusable water? Yes ☐ No ☐
Type of water? ... Depth of strata ...
Method of sealing strata off ...

(7) **PUMP:** Manufacturer's Name NA
Type: ... H.P. ...

(8) **WATER LEVELS:** Land-surface elevation above mean sea level .... ft.
Static level ... ft. below top of well Date ...
Artesian pressure ... lbs. per square inch Date ...
Artesian water is controlled by ... (Cap, valve, etc.)

(9) **WELL TESTS:** Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☐ No ☒ If yes, by whom? ...
Yield: ... gal./min. with ... ft. drawdown after ... hrs.
" " " "
" " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test ...
Bailer test ... gal./min. with ... ft. drawdown after ... hrs.
Artesian flow ... g.p.m. Date ...
Temperature of water ... Was a chemical analysis made? Yes ☐ No ☐

(10) **WELL LOG:**
Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL	FROM	TO
SAND AND GRAVEL	0	5
GRAY SANDY SILT	5	23
TAN FINE TO MEDIUM SAND + SILTY SAND, SOME FINE GRAVEL	23	55
BROWN MED TO COARSE SAND	55	61
BROWN FINE TO COARSE MOD. SILTY TO VERY SILTY SAND	61	94
BROWN FINE TO COARSE SLIGHTLY SILTY TO MOD. SILTY SAND	94	117
BROWN SILTY SANDY GRAVEL	117	130
BROWN SLIGHTLY TO MOD. SILTY SAND AND GRAVEL, H_2O-FRESH	130	169
BROWN SILTY GRAVELLY SAND SOME WATER. TILL?	169	204
BROWN FINE TO MED SILTY SAND	204	238
BROWN MOD. SILTY SAND	238	259
BROWN SANDY GRAVEL, SALTY WATER	259	270
BROWN SILTY SANDY GRAVEL	270	290
BROWN PEBBLY SILT. H_2O OFF.	290	298
COARSE SAND + FINE GRAVEL, THIN LAYERS BLUE SILT. H_2O	298	313
BLUE GRAY CLAYEY SILT	313	332
GRAY GRITTY CLAYEY SILT WITH SANDY STREAKS BELOW 350'	332	356
GRAY CLAYEY SILT WITH FEW TAN LAYERS	356	372
GRAY SILTY CLAY	372	390
VERY CLAYEY COARSE SAND	390	395
BLUE GRAY CLAY, GRITTY IN PLACES.	395	448
SAND AND GRAVEL	448	457
BROWNISH GRAY CLAYEY SILT	457	473
BROWN GRAY CLAYEY SILT WITH GRAVELLY LAYERS	473	484
CONT.		

RECEIVED
DEC 0 1986
DEPARTMENT OF ECOLOGY
NORTHWEST REGION

Work started ... 19 Completed Nov ... 19 86

WELL DRILLER'S STATEMENT:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME OELKE DRILLING CO (Person, firm, or corporation) (Type or print)
Address 10804 32nd ST E. Puyallup
[Signed] Roger Oelke (Well Driller)
License No. 0327 Date 12-23, 19 86

ORIGINAL SIGNED BY DRILLER

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT
STATE OF WASHINGTON

Application No. A

Permit No.

(1) OWNER: Name Tad Fairbanks Address 1425 Silven ave - S.I. Wash 98110

(2) LOCATION OF WELL: County Kitsap — NE ¼ NE ¼ Sec. 5 T. 25 N., R. 2E W.M.

Bearing and distance from section or subdivision corner

(3) PROPOSED USE: Domestic [X] Industrial [ ] Municipal [ ]
Irrigation [ ] Test Well [ ] Other [ ]

(4) TYPE OF WORK: Owner's number of well (if more than one)
New well [X] Method: Dug [ ] Bored [ ]
Deepened [ ] Cable [X] Driven [ ]
Reconditioned [ ] Rotary [ ] Jetted [ ]

(5) DIMENSIONS: Diameter of well 6 inches.
Drilled 158 ft. Depth of completed well 158 ft.

(6) CONSTRUCTION DETAILS:

Casing installed: " Diam. from ft. to ft.
Threaded [ ] " Diam. from ft. to ft.
Welded [X] 6 " Diam. from 153 ft. to 158 ft.

Perforations: Yes [ ] No [X]
Type of perforator used
SIZE of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

Screens: Yes [X] No [ ]
Manufacturer's Name Johnson
Type Stainless Model No.
Diam. Slot size from ft. to ft.
Diam. 6 Slot size 10 from 153 ft. to 158 ft.

Gravel packed: Yes [ ] No [X] Size of gravel:
Gravel placed from ft. to ft.

Surface seal: Yes [X] No [ ] To what depth? 20 ft.
Material used in seal Bentonite
Did any strata contain unusable water? Yes [ ] No [X]
Type of water? Depth of strata
Method of sealing strata off

(7) PUMP: Manufacturer's Name Ste-Rite
Type: Jet H.P. 1

(8) WATER LEVELS: Land-surface elevation above mean sea level 60 ft.
Static level 74 ft. below top of well Date 10-4-82
Artesian pressure lbs. per square inch Date
Artesian water is controlled by (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes [X] No [ ] If yes, by whom? Driller
Yield: gal./min. with ft. drawdown after hrs.
15 " 30 " 3 "
" " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test
Bailer test 15 gal./min. with 20 ft. drawdown after 3 hrs.
Artesian flow g.p.m. Date
Temperature of water Was a chemical analysis made? Yes [ ] No [X]

(10) WELL LOG:

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL		FROM	TO
Rocky soil	Brown	0	5
Hard pan	"	5	60
Clay	Blue	60	71
Clay, silt + gravel	"	71	73
Clay	"	73	92
Clay	Brown	92	97
Clay	Blue	97	115
Clay + rocks	"	115	140
Silt + sand	"	140	147
Sand	"	147	158

RECEIVED DEC 9 1982 DEPT. OF ECOLOGY

Work started Sept. 22, 1982 Completed Oct. 4, 1982

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME CRABTREE ~~DRILLING~~ DRILLING CO.
(Person, firm, or corporation) (Type or print)

Address 33349 EGLON RD N.E. KINGSTON

[Signed] Jerry Crabtree
(Well Driller)

License No. 82 Date Oct. 11, 1982

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

25/12-27L

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT
STATE OF WASHINGTON

Application No.

Permit No.

(1) OWNER: Name Tom Johnston Address

(2) LOCATION OF WELL: County Kitsap & Government lot — ¼ — ¼ Sec. 29 T. 25 N., R. 2 W.M.

Bearing and distance from section or subdivision corner Parcel A of NE¼, NW¼

(3) PROPOSED USE: Domestic ☐ Industrial ☐ Municipal ☐ Irrigation ☐ Test Well ☐ Other ☐

(4) TYPE OF WORK: Owner's number of well (if more than one)

New well ☒ Method: Dug ☐ Bored ☐
Deepened ☐ Cable ☒ Driven ☐
Reconditioned ☐ Rotary ☐ Jetted ☐

(5) DIMENSIONS: Diameter of well 6" inches.
Drilled 314 ft. Depth of completed well 314 ft.

(6) CONSTRUCTION DETAILS:

Casing installed: 6" Diam. from 0 ft. to 308'6" ft.
Threaded ☐ " Diam. from ft. to ft.
Welded ☒ " Diam. from ft. to ft.

Perforations: Yes ☐ No ☒
Type of perforator used
SIZE of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

Screens: Yes ☒ No ☐ Johnson (7' 3½")
Manufacturer's Name
Type Super Model No.
Diam. 5 Slot size 14 from 308 ft. to 314 ft.
Diam. Slot size from ft. to ft.

Gravel packed: Yes ☐ No ☒ Size of gravel:
Gravel placed from ft. to ft.

Surface seal: Yes ☒ No ☐ To what depth? 18' ft.
Material used in seal Bentonite & Pudding Clay
Did any strata contain unusable water? Yes ☐ No ☒
Type of water? Depth of strata
Method of sealing strata off

(7) PUMP: Manufacturer's Name
Type: H.P.

(8) WATER LEVELS: Land-surface elevation above mean sea level ft.
Static level 235 ft. below top of well Date Feb 12, 1981
Artesian pressure lbs. per square inch Date
Artesian water is controlled by (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☐ No ☐ If yes, by whom?
Yield: gal./min. with ft. drawdown after hrs.
" " " "
" " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test Feb 12, 1981
Bailer test 20-25 gal./min. with 15 ft. drawdown after 6½ hrs.
Artesian flow g.p.m. Date
Temperature of water Was a chemical analysis made? Yes ☐ No ☐

(10) WELL LOG:

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL	FROM	TO
Large gravely hard pan	0	15
Brn Hard pan	15	48
Blue Hard pan	48	72
Dark Blue Sandy Clay	72	83
Pea size gravel (Water)	83	85
Brn gravely hard pan	85	107
grey clay & gravel	107	113
Brn gravely hard pan	113	168
grey clay & gravel	168	170
Dry grey clay filled silt	170	190
mushy silty grey clay silt sand & Brn pan	190	192
grey clay filled gravel	192	194
cement gravel (grey)	194	204
mushy silty grey clay sand & Brn Rock	204	207
cement gravel (grey)	207	208
cement gravel (Brn) hard!	208	214
Sticky Blue grey Clay	214	309
coarse sand STRIPS & water	309	314
clay & gravel (dry)	314	

Work started Jan 6, 1981, 19 Completed Feb 12, 1981

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME Puget Sound Well Drilling (Person, firm, or corporation) (Type or print)
Address 365 Diamond Dr Poulsbo WA.
[Signed] Donald D Duckworth (Well Driller)
License No. 1147 Date Feb 13, 1981

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

152944 Please print, sign and return to the Department of Ecology 24-2E-2R

Water Well Report

Original – Ecology, 1st copy – owner, 2nd copy – driller

Construction/Decommission

☑ Construction

☑ Decommission *ORIGINAL INSTALLATION Notice of Intent Number* WE02018

PROPOSED USE: ☐ Domestic ☐ Industrial ☐ Municipal ☐ DeWater ☑ Irrigation ☐ Test Well ☐ Other

TYPE OF WORK: Owner's number of well (if more than one)

☑ New well ☐ Reconditioned *Method:* ☐ Dug ☐ Bored ☐ Driven ☐ Deepened ☐ Cable ☑ Rotary ☐ Jetted

DIMENSIONS: Diameter of well 6 inches, drilled 200 ft.

Depth of completed well 0 ft.

CONSTRUCTION DETAILS

Casing Installed: ☐ Welded ____" Diam. from ____ ft. to ____ ft.

☐ Liner installed ____" Diam. from ____ ft. to ____ ft.

☐ Threaded ____" Diam. from ____ ft. to ____ ft.

Perforations: ☐ Yes ☑ No

Type of perforator used

SIZE of perfs ____ in. by ____ in. and no. of perfs ____ from ____ ft. to ____ ft.

Screens: ☐ Yes ☑ No ☐ K-Pac Location

Manufacturer's Name

Type Model No.

Diam. Slot size from ft. to ft.

Diam. Slot size from ft. to ft.

Gravel/Filter packed: ☐ Yes ☑ No ☐ Size of gravel/sand

Materials placed from ft. to ft.

Surface Seal: ☑ Yes ☐ No To what depth? 30 ft.

Material used in seal BENTONITE

Did any strata contain unusable water? ☐ Yes ☑ No

Type of water? Depth of strata

Method of sealing strata off

PUMP: Manufacturer's Name

Type: H.P.

WATER LEVELS: Land-surface elevation above mean sea level ft.

Static level DRY ft. below top of well Date 7/19/04

Artesian pressure lbs. per square inch Date

Artesian water is controlled by (cap, valve, etc.)

WELL TESTS: Drawdown is amount water level is lowered below static level

Was a pump test made? ☐ Yes ☑ No If yes, by whom?

Yield: gal./min. with ft. drawdown after hrs.

Yield: gal./min. with ft. drawdown after hrs.

Yield: gal./min. with ft. drawdown after hrs.

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test

Bailer test NA gal./min. with ft. drawdown after hrs.

Airtest gal./min. with stem set at ft. for hrs.

Artesian flow g.p.m. Date

Temperature of water Was a chemical analysis made? ☐ Yes ☑ No

Current

Notice of Intent No. AE00976

Unique Ecology Well ID Tag No. NA

Water Right Permit No.

Property Owner Name TOM MORGAN

Well Street Address 10768 COUNTRY CLUB RD

City BAINBRIDGE ISLAND **County** KITSAP

Location SE 1/4-1/4 SE 1/4 **Sec** 2 **Twn** 24 **R** 2E EWM ☑ or WWM ☐ circle one

Lat/Long (s, t, r still REQUIRED) Lat Deg Lat Min/Sec

Long Deg Long Min/Sec

Tax Parcel No. 02240240172007

CONSTRUCTION OR DECOMMISSION PROCEDURE

Formation: Describe by color, character, size of material and structure, and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of information indicate all water encountered. (USE ADDITIONAL SHEETS IF NECESSARY.)

MATERIAL	FROM	TO
BROWN SAND GRAVEL CLAY	0	2
WET BROWN CLAY	2	9
BROWN GRAY SAND GRAVEL CLAY	9	12
GRAY SHALE DRY	12	200
DECOMMISSIONED PER WAC173-160-381	0	200
FILLED WITH BENTONITE HOLE PLUG	0	200

RECEIVED
AUG 0 2 2004
DEPT OF ECOLOGY

Start Date 07/13/04 Completed Date 07/19/04

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

Driller/Engineer/Trainee Name (Print) JAMES M WILEY

Driller/Engineer/Trainee Signature

Driller or trainee License No. 0519

Drilling Company NICHOLSON DRILLING INC

Address PO BOX 123

City, State, Zip PORT ORCHARD

Contractor's Registration No. NICHODI1370M Date 7/23/04

If TRAINEE,

Driller's Licensed No.

Driller's Signature

Ecology is an Equal Opportunity Employer. ECY 050-1-20 (Rev 2/03)

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

The reported location data of this well was incorrect and has been changed in Ecology's well report database. In most cases, the original T/R/S data plotted this well offshore. The Well Construction and Licensing Office used address, tax parcel, and other information to more accurately map this well report in the Well Report Viewer database. This well report location was updated in April-2018.

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT
STATE OF WASHINGTON

Application No. 26/02-34C

Permit No. .....

(1) OWNER: Name Mr. Tollifson Address .....

(2) LOCATION OF WELL: County Kitsap NE ¼ NW ¼ Sec 34 T 26 N., R 02E W.M.

Bearing and distance from section or subdivision corner

(3) PROPOSED USE: Domestic ☒ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

(4) TYPE OF WORK: Owner's number of well (if more than one) 2
New well ☒ Method: Dug ☐ Bored ☐
Deepened ☐ Cable ☐ Driven ☐
Reconditioned ☐ Rotary ☐ Jetted ☐

(5) DIMENSIONS: Diameter of well 6" inches.
Drilled 195 ft. Depth of completed well 165 ft.

(6) CONSTRUCTION DETAILS:
Casing installed: 6 " Diam. from 0 ft. to 167 ft.
Threaded ☐ " Diam. from ft. to ft.
Welded ☐ " Diam. from ft. to ft.

Perforations: Yes ☐ No ☒
Type of perforator used
SIZE of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

Screens: Yes ☐ No ☒
Manufacturer's Name
Type Model No
Diam. Slot size from ft. to ft.
Diam. Slot size from ft. to ft.

Gravel packed: Yes ☒ No ☐ Size of gravel: ¼
Gravel placed from 195 ft. to 165 ft.

Surface seal: Yes ☒ No ☐ To what depth? 20 ft.
Material used in seal Bentonite
Did any strata contain unusable water? Yes ☐ No ☒
Type of water? Depth of strata
Method of sealing strata off

(7) PUMP: Manufacturer's Name Flint + Walling
Type: H.P. 3/4

(8) WATER LEVELS: Land-surface elevation above mean sea level .... ft
Static level 50 ft. below top of well Date 8-2-77
Artesian pressure lbs. per square inch Date
Artesian water is controlled by (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☒ No ☐ If yes, by whom? Jim Bach Drlg Co
Yield: 4 gal./min. with 10 ft. drawdown after 4 hrs.
" " " "
" " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test
Bailer test 4 gal./min. with 10 ft. drawdown after 4 hrs.
Artesian flow g.p.m. Date
Temperature of water NO Was a chemical analysis made? Yes ☐ No ☒

(10) WELL LOG:

Formation: *Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.*

MATERIAL	FROM	TO
Gumbo Black	0	1
Sandy Clay Brown	1	4
Brown Clay	4	8
Hard Pan	8	15
Blue Clay	15	20
Sand + Gravel Blue ½ G.P.M	20	46
Blue Clay	46	50
Gravel ½ G.P.M	50	52
Blue Clay	52	155
Silt Grey 2 G.P.M	155	160
Blue Clay	160	173
Silt - Grey - Water Bearing 4 G.P.M	173	195

Work started 8-25 19 77 Completed 9-2 19 77

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME Jim Bach Drilling (Person, firm, or corporation) (Type or print)

Address P.O. Box 10452 Bainbridge

[Signed] Jim Bach (Well Driller)

License No. 21 Date 8/25, 19 77

(USE ADDITIONAL SHEETS IF NECESSARY)

S. F. No. 7356—OS—(Rev. 4-71).

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

26-2E-33E

WATER WELL REPORT

Original & 1st copy – Ecology, 2nd copy – owner, 3rd copy – driller

Construction/Decommission ("x" in circle) 212141

● Construction

○ Decommission *ORIGINAL INSTALLATION Notice of Intent Number* _____

CURRENT

Notice of Intent No. WE 05810

Unique Ecology Well ID Tag No. AES495

Water Right Permit No. N/A

Property Owner Name NEZAM Toolee

Well Street Address 6600 NE SEABOLD Rd.

City Bainbridge Is County 18-NWR Kitsap

Location SW 1/4-1/4 NW 1/4 Sec 33 Twn 26 R 2E (EWM or WWM) circle one

Lat/Long (s, t, r Still **REQUIRED**) Lat Deg — Lat Min/Sec —

Long Deg — Long Min/Sec —

Tax Parcel No. 332602202820009

PROPOSED USE: ● Domestic ☐ Industrial ☐ Municipal ☐ DeWater ☐ Irrigation ☐ Test Well ☐ Other _____

TYPE OF WORK: Owner's number of well (if more than one) _____

● New well ☐ Reconditioned *Method*: ☐ Dug ☐ Bored ☐ Driven ● Deepened ☐ Cable ● Rotary ☐ Jetted

DIMENSIONS: Diameter of well 5 7/8 inches, drilled 1015 ft. Depth of completed well 1015 ft.

CONSTRUCTION DETAILS

Casing Installed: ● Welded 6" Diam. from +2 ft. to 640 ft. ● Liner installed 4" Diam. from 620 ft to 973 ft. ☐ Threaded _____" Diam. from _____ ft. to _____ ft.

Perforations: ☐ Yes ● No

Type of perforator used _____

SIZE of perfs _____ in by _____ in and no. of perfs _____ from _____ ft. to _____ ft.

Screens: ● Yes ☐ No ● K-Pac Location 620

Manufacturer's Name Johnson

Type SS Model No _____

Diam. 3 Slot size .008 from 973 ft. to 995 ft.

Diam. _____ Slot size _____ from _____ ft. to _____ ft.

Gravel/Filter packed: ☐ Yes ● No ☐ Size of gravel/sand _____

Materials placed from _____ ft. to _____ ft.

Surface Seal: ● Yes ☐ No To what depth? 18 ft

Material used in seal BENTONITE chips

Did any strata contain unusable water? ☐ Yes ● No

Type of water? _____ Depth of strata _____

Method of sealing strata off _____

PUMP: Manufacturer's Name N/A

Type: _____ H.P. _____

WATER LEVELS: Land-surface elevation above mean sea level 136 ft.

Static level 93 ft below top of well Date 11/29/06

Artesian pressure _____ lbs. per square inch Date _____

Artesian water is controlled by _____ (cap, valve, etc.)

WELL TESTS: Drawdown is amount water level is lowered below static level

Was a pump test made? ☐ Yes ● No If yes, by whom? _____

Yield: _____ gal./min. with _____ ft. drawdown after _____ hrs.

Yield: _____ gal./min. with _____ ft. drawdown after _____ hrs.

Yield: _____ gal./min. with _____ ft. drawdown after _____ hrs.

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test _____

Bailer test _____ gal./min. with _____ ft. drawdown after _____ hrs.

Airtest 10 gal./min. with stem set at 600 ft. for 4 hrs.

Artesian flow _____ g.p.m. Date _____

Temperature of water _____ Was a chemical analysis made? ☐ Yes ☐ No

CONSTRUCTION OR DECOMMISSION PROCEDURE

Formation: Describe by color, character, size of material and structure, and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of information. (USE ADDITIONAL SHEETS IF NECESSARY.)

MATERIAL	FROM	TO
This well was deepend from 640' TO 1015'		
SILT, Sandy, Gray	645	710
SILT, Gray	710	795
SILT Sandy, Gray	795	810
SILT, Gray	810	973
Sand Medium, Some Fine's, Some occasional Gravel's	973	995
Sandy SILT, gray	995	1012
SILT, Gray	1012	1015

RECEIVED
DEC 12 2006
DEPT. OF ECOLOGY

Start Date 10/18/06 Completed Date 11/4/06

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

● Driller ☐ Engineer ☐ Trainee Name (Print) CHRIS V GREGORY

Driller/Engineer/Trainee Signature _____

Driller or trainee License No 2534

Drilling Company GREGORY DRILLING

Address 17609 NE 70th St

City, State, Zip REDMOND WA 98052

Contractor's Registration No. GREGOD111057P Date 11/28/06

If TRAINEE, Driller's Licensed No. _____ Driller's Signature _____

Ecology is an Equal Opportunity Employer.

ECY 050-1-20 (Rev 3/05) **The Department of Ecology does NOT warranty the Data and/or Information on this Well Report.**

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

200665

26-2E-33E

☑ Construction ☐ Decommission — Original Installation Notice of Intent Number:

Washington State Dept. of Ecology Water Well Report

Original-Ecology, Copy 1-Owner, Copy 2-Driller

Proposed Use: ☑ Domestic ☐ Industrial ☐ Municipal ☐ DeWater ☐ Irrigation ☐ Test Well ☐ Other

Type of Work:

Owners number of well (if more than one):

☑ New Well ☐ Reconditioned ☐ Dug ☐ Bored ☐ Driven ☐ Deepened ☑ Cable ☐ Rotary ☐ Jetted

Dimensions

Diameter of well inches: 6 Feet Drilled: 648

Depth of Completed Well Ft: 639

Construction Details: **Casing Installed:**

☑ Welded 6 " Diam. from 0 ft to: 639 ft

☐ Liner " Diam from 0 ft to 0 ft

☐ Threaded 0 " Diam from 0 ft to 0 ft

Perforations: ☐ Ye ☑ No

Type of perforator used:

Perf Size 0 in by 0 in and no of perfs 0 from 0 ft to 0

Screens: ☐ Ye ☑ No ☐ K-Pac Location:

Manufacuters Name:

Type: Model No:

Diam 0 Slot Size: 0 from 0 ft to 0 ft

Diam 0 Slot Size: 0 from 0 ft to 0 ft

Gravel/Filter Packed: ☐ Ye ☑ No Size of Gravel/Sand:

Materials placed from: 0 ft to 0 ft

Surface Seal ☑ Ye ☐ No To what depth? 23 ft

Material Used in Seal: bentonite

Did any strata contain unusable water? ☐ Ye ☑ No

Type of Water? Depth of strata 0 ft

Method of sealing strata off:

Pump: Manufacturers Name:

Type: HP:

Water Levels: Land-surface elvation above mean sea level 80 ft

Static level 0 ft below top of well. Date:

Artesian pressure 0 lbs per square in. Date

Artesian water is controlled by:

Well Tests:

Was a pump test made? ☐ Ye ☑ No If yes by whom?

Yield: 0 gal/min with 0 ft drawdown after 0 hrs

Yield: 0 gal/min with 0 ft drawdown after 0 hrs

Yield: 0 gal/min with 0 ft drawdown after 0 hrs

Time	Water Level	Time	Water Level	Time	Water Level
	0		0		0
	0		0		0
	0		0		0

Pump Test Date:

Bailer Test 0 gal/min with 0 ft drawdown after 0 hrs

Airtest 0 w/stem set at 0ft for 0 hrs

Artesian flow 0g.p.m Date

Temp of Water: Was a chemical analysis made? ☐ Ye ☑ No

Current:

Notice of Intent No: W208534

Unique Ecology Well ID Tag No AES495

Water Right Permit No:

Property Owner Name: Mezam Tooloee

Well Street Address: 6600 NE Seabold Rd

City B.I. County: #18 KITSAP

Location SW 1/4-1/4 NW 1/4 Sec 33 Twn: 26N R: 2

Lat Deg: Lat Min/Sec: ☑ EWM

Long Deg: Long Deg/Sec: ☐ WWM

Tax Parcel No: 33260220282009

Construction or Decommission Procedure

Formation: Describe by color, character. size of material and structure, and the kind and nature of material in each stratum penetrated, with at least one entry for each change of information indicate all the water encountered.

Material		From	T
Loam rocky clay	brown	0	4
Sand claybound	brown	4	26
Silt compact hard sandy	blue	26	61
Silt compact	blue	61	126
Silt compact sandy w/ peat	blue	126	154
Silt compact	gray	154	207
Silt compact w/ grits	gray	207	221
Silt compact hard	gray	221	435
Silt compact sandy	gray	435	477
Silt compact hard	gray	477	519
Silt compact sandy hard	gray	519	589
Silt compact hard	gray	589	645
Silt compact sandy w/rocks	gray	645	
		0	0
		0	0
		0	0
to be completed by a mud rotary		0	0
		0	0
		0	0
		0	0
		0	0
		0	0
		0	0
		0	0
		0	0
		0	0
		0	0
		0	0
		0	0
		0	0
		0	0

RECEIVED
JUL 12 2006
DEPT. OF ECOLOGY

Start Date: 6/15/2006 Completed Date: 7/7/2006

Well Construction Certification: I constructed and/or accept responsibility for the construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

☑ Driller ☐ Engineer ☐ Trainee Name: Glen Crabtree

Driller/Engineer/Trainee Signature

Driller or Trainee License No: 1443

If trainee, licensed driller's

Signature and License No.

Drill Co Name: Crabtree Well Drilling

Address: 33349 Eglon Rd NE

City,State,Zip: Kingston, WA 98346-

Contractors Registration No: CRABTDC09702 Date: 7/7/2006

25/02-04L

File Original and First Copy with Department of Ecology
Second Copy -- Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT

STATE OF WASHINGTON

Application No.

Permit No.

(1) OWNER: Name Ted Stanek Address 13398 Manzanita Rd. N.E.

(2) LOCATION OF WELL: County Kitsap NW¼-NW¼-SE¼-NW¼ SW¼ Sec. 4 T. 25 N., R. 2E W.M.

Bearing and distance from section or subdivision corner

(3) PROPOSED USE: Domestic [X] Industrial [ ] Municipal [ ]
Irrigation [ ] Test Well [ ] Other [ ]

(4) TYPE OF WORK: Owner's number of well (if more than one)
New well [X] Method: Dug [ ] Bored [ ]
Deepened [ ] Cable [X] Driven [ ]
Reconditioned [ ] Rotary [ ] Jetted [ ]

(5) DIMENSIONS: Diameter of well 6 inches.
Drilled 163 ft. Depth of completed well 163 ft.

(6) CONSTRUCTION DETAILS:

Casing installed: 6" Diam. from 0 ft. to 153 ft.
Threaded [ ] " Diam. from ft. to ft.
Welded [X] " Diam. from ft. to ft.

Perforations: Yes [ ] No [X]
Type of perforator used
SIZE of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

Screens: Yes [X] No [ ] Johnson
Manufacturer's Name
Type Stainless Model No.
Diam. 6 Slot size 12 from 153 ft. to 158 ft.
Diam. 6 Slot size 14 from 158 ft. to 163 ft.

Gravel packed: Yes [ ] No [X] Size of gravel:
Gravel placed from ft. to ft.

Surface seal: Yes [X] No [ ] To what depth? 20 ft.
Material used in seal Bentonite
Did any strata contain unusable water? Yes [ ] No [X]
Type of water? Depth of strata
Method of sealing strata off

(7) PUMP: Manufacturer's Name Sta-Rite
Type: Jet H.P. 1

(8) WATER LEVELS: Land-surface elevation above mean sea level ft.
Static level 40 ft. below top of well Date 8/5/77
Artesian pressure lbs. per square inch Date
Artesian water is controlled by (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes [X] No [ ] If yes, by whom? Driller
Yield: 17 gal./min. with 70 ft. drawdown after 3 hrs.
" " " "
" " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test
Bailer test gal./min. with ft. drawdown after hrs.
Artesian flow g.p.m. Date
Temperature of water Was a chemical analysis made? Yes [ ] No [X]

(10) WELL LOG:

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL	FROM	TO
Sandy gravel	0	14
Hard pan Gray	14	35
Hardpacked sand	35	60
Sand & gravel	60	65
Cemented sand & gravel	65	91
Sand & gravel	91	96
Cemented sand & gravel	96	104
Much silt Gray	104	106
Hard pan	106	114
Sand & gravel water	114	119
Dirty sand & gravel	119	126
Sand & gravel	126	131
Hard packed sand	131	154
Sand & gravel	154	163

Work started July 14, 19 77 Completed Aug. 8, 19 77

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME CRABTREE DRILLING CO.
(Person, firm, or corporation) (Type or print)

Address 33349 Egan Rd. N.E., Kingston

[Signed] Jerry D. Crabtree
(Well Driller)

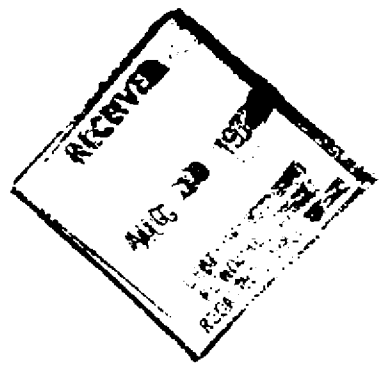
License No. 223-02 Date Aug. 8, 19 77

(USE ADDITIONAL SHEETS IF NECESSARY)

S. F. No. 7356—OS—(Rev. 4-71).

The Department of Ecology does NOT Warrant the Data and/or the Information on this Well Report.

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.



File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy 25/2E/20/B

WATER WELL REPORT

STATE OF WASHINGTON

Application No. 25/02-20B
Permit No.

(1) OWNER: Name Tom Wright Address Rt. 5 Box 5783 Bainbridge Island

(2) LOCATION OF WELL: County Kitsap NW ¼ NE ¼ Sec. 20 T. 25 N., R. 2 E W.M.

Bearing and distance from section or subdivision corner E. 125 ft. ∥ W. 201.2 ft. ∥ S. 40 ft. Patton Dev. Lot 3

(3) PROPOSED USE: Domestic ☒ Industrial ☐ Municipal ☐ Irrigation ☐ Test Well ☐ Other ☐

(4) TYPE OF WORK: Owner's number of well (if more than one)
New well ☒ Method: Dug ☐ Bored ☐
Deepened ☐ Cable ☒ Driven ☐
Reconditioned ☐ Rotary ☐ Jetted ☐

(5) DIMENSIONS: Diameter of well 6 inches. Drilled 80 ft. Depth of completed well 80 ft.

(6) CONSTRUCTION DETAILS:

Casing installed: 6 " Diam. from 0 ft. to 75 ft.
Threaded ☐ " Diam. from ft. to ft.
Welded ☒ " Diam. from ft. to ft.

Perforations: Yes ☐ No ☒
Type of perforator used
SIZE of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

Screens: Yes ☒ No ☐
Manufacturer's Name Johnson
Type Stainless Model No.
Diam. 6 Slot size 18 from 75 ft. to 80 ft.
Diam. Slot size from ft. to ft.

Gravel packed: Yes ☐ No ☒ Size of gravel:
Gravel placed from ft. to ft.

Surface seal: Yes ☒ No ☐ To what depth? 25 ft.
Material used in seal Bentonite & Cement
Did any strata contain unusable water? Yes ☐ No ☒
Type of water? Depth of strata.
Method of sealing strata off

(7) PUMP: Manufacturer's Name Star Rite
Type: Jet H.P. ½

(8) WATER LEVELS: Land-surface elevation above mean sea level 50 ft.
Static level 46 ft. below top of well Date Dec. 4 19 74
Artesian pressure lbs. per square inch Date
Artesian water is controlled by (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☐ No ☐ If yes, by whom? Driller
Yield: 15 gal./min. with 17 ft. drawdown after 2½ hrs.
" " " "
" " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test
Baller test 10 gal./min. with ft. drawdown after 2 hrs.
Artesian flow g.p.m. Date
Temperature of water Was a chemical analysis made? Yes ☐ No ☒

(10) WELL LOG: NW¼ NE¼ (Cont Lot 3)

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL		FROM	TO
Gravel loose		0	6
H.P.	Brown	6	31
H.P.	Blue	31	45
H.P.	Brown	45	57
Gravel		57	58
H.P.	Brown	58	74
Sand & gravel layers	- water	74	79

Work started Nov. 19 19 74 Completed Dec. 5 19 74

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME CRABTREE DRILLING CO. (Person, firm, or corporation) (Type or print)

Address Rt. #2 Box 301 Kingston

[Signed] Jerry Crabtree (Well Driller)

License No. 223-02-8007 Date Dec. 5, 1974

(USE ADDITIONAL SHEETS IF NECESSARY)

S. F. No. 7356—OS—(Rev. 4-71).

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

File Original and First Copy with the Division of Water Management
Second Copy — Owner's Copy
Third Copy — Driller's Copy 25/2E/20C 1P

WATER WELL REPORT
STATE OF WASHINGTON

USRC 18023 Application No.
25/02-20P Permit No. NONE

(1) OWNER: Name Vincent R. and Audrey H. Larson Address Route 4, Box 4767, Bainbridge Island, Wash.

(2) LOCATION OF WELL: County Kitsap; Government Lot 6 SE ¼ SW ¼ Sec. 20 T. 25 N., R 2 E W.M.

Bearing and distance from section or subdivision corner 910 feet South and 115 feet west of NE corner of Gov. Lot 6;

(3) PROPOSED USE: Domestic [X] Industrial [ ] Municipal [ ]
Irrigation [ ] Test Well [ ] Other [ ]

(4) TYPE OF WORK: Owner's number of well (if more than one)
New well [X] Method: Dug [ ] Bored [ ]
Deepened [ ] Cable [X] Driven [ ]
Reconditioned [ ] Rotary [ ] Jetted [ ]

(5) DIMENSIONS: Diameter of well 6 inches.
Drilled 139 ft. Depth of completed well 139 ft.

(6) CONSTRUCTION DETAILS:
Casing installed: 6 " Diam. from 0 ft. to 134 ft.
Threaded [ ] " Diam. from ft. to ft.
Welded [X] " Diam. from ft. to ft.

Perforations: Yes [ ] No [X]
Type of perforator used
SIZE of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

Screens: Yes [X] No [ ]
Manufacturer's Name Johnson
Type Model No.
Diam. 6 Slot size 18 from 134 ft. to 139 ft.
Diam. Slot size from ft. to ft.

Gravel packed: Yes [ ] No [X] Size of gravel:
Gravel placed from ft. to ft.

Surface seal: Yes [ ] No [X] To what depth? ft.
Material used in seal
Did any strata contain unusable water? Yes [ ] No [ ]
Type of water? Depth of strata
Method of sealing strata off

(7) PUMP: Manufacturer's Name
Type: Submerged H.P. ½

(8) WATER LEVELS: Land-surface elevation above mean sea level 220 ft.
Static level 125 ft. below top of well Date June 2, 1971
Artesian pressure lbs. per square inch Date
Artesian water is controlled by (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes [ ] No [X] If yes, by whom?
Yield: gal./min. with ft. drawdown after hrs.
" " " "
" " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test
Bailer test 5 gal./min. with 2 ft. drawdown after 3 hrs.
Artesian flow g.p.m. Date
Temperature of water Was a chemical analysis made? Yes [ ] No [X]

(10) WELL LOG: 25/02-20P

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL	FROM	TO
Clay loam	0	5
Brown hard pan	5	29
Blue hard pan	29	42
Brown hard pan	42	127
Gravel & sand	127	139
Blue clay	139	

Work started May 13, 19 71 Completed June 2, 19 71

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME GRABTREE DRILLING CO.
(Person, firm, or corporation) (Type or print)

Address St. Rt. Box 301 Kingston Wash.

[Signed] Jerry Crabtree
(Well Driller)

License No. 223-02-50007 Date June 5, 19 71

(USE ADDITIONAL SHEETS IF NECESSARY)

S. F. No. 7356—OS—(Rev. 5-69)—5-69.

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

WASHINGTON STATE DEPARTMENT OF ECOLOGY

UNIQUE WELL I.D. NUMBER A A A 1 9 2
X Y Z 1 2 3

WELL TAGGING FORM

Date of Field Visit 4/24/92 By BA - PUD #1

RECORD VERIFICATION

- [X] Well Report available *(please attach)*
- [ ] Well Report not available
- [ ] Verification inconclusive

WELL OWNERSHIP

Name Audrey Larson

Street address 8153 Hansen Rd NE

City Bainbridge Is State WA 98110

LOCATION OF WELL

Well Address 8153 Hansen Rd NE

City Bainbridge Is County Kitsap

T. 25 N. R. 02E W M. Sec. 20 P ¼ SE ¼ SW

GPS Location: Latitude 47 ° 38 ' 19N "

Longitude 122 ° 34 ' 52W "

Elevation 210' (feet) meters *(circle one)*

- [ ] Digital Altimeter
- [X] Topographic Map
- [ ] Other

PDOP 2.1

If unable to verify location with GPS equipment:

- [ ] Location marked on topographic map *(please attach if available)* 16 18 19
- [ ] Location marked on air photo *(please attach if available)* 3 5 6

AAA 192

WELL CHARACTERISTICS

Physical Description of Well (size of casing, type of well, housing, etc.): drilled well with 6" casing located in a small 'dog house' structure

Location of Well Identification Tag: on casing 3" from top

Was Supplemental Tag needed for ease of identifying well?

☒ NO ☐ YES

Scale 1:24,000 (1" =2,000')

D	C	B	A
E	F	G	H
M	L	K	J
N	P	Q	R

Indicate the location of the well within the Section by drawing a dot at that point.

SECTION 20P

COMMENTS:

FOR ECOLOGY USE ONLY

Water Right #

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

8153 Hansen Rd NE 842-5759 WEC 1402.5

First Copy with Water Management
Owner's Copy
Driller's Copy

WATER WELL REPORT

STATE OF WASHINGTON

Application No. 25/02-20
Permit No.

(1) OWNER: Name Vincent R. and Audrey H. Larson Address Rt 2 Box 4767, Bainbridge Island, Wash.

(2) LOCATION OF WELL: County Kitsap Government Lot 6 Sec. 20 T. 25 N. R. 2 E. W.M.
Street and distance from section or subdivision corner 91 feet South and 45 feet west of NE corner of Govt Lot 6

(3) PROPOSED USE: Domestic ☒ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

(4) TYPE OF WORK: Owner's number of well (if more than one)
New well ☒ Method: Dug ☐ Bored ☐
Deepened ☐ Cable ☒ Driven ☐
Reconditioned ☐ Rotary ☐ Jetted ☐

(5) DIMENSIONS: Diameter of well 6 inches
Drilled 139 ft. Depth of completed well 139 ft.

(6) CONSTRUCTION DETAILS:
Casing installed: 6" Diam. from 0 ft. to 139 ft.
Threaded ☐ Diam. from ft. to ft.
Welded ☒ Diam. from ft. to ft.

Perforations: Yes ☐ No ☒
Type of perforator used
SIZE of perforations in by in
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

Screens: Yes ☒ No ☐
Manufacturer's Name
Type Model No.
Diam. 6 Slot size 18 from 131 ft. to 139 ft.
Diam. Slot size from ft. to ft.

Gravel packed: Yes ☐ No ☒ Size of gravel
Gravel placed from ft. to ft.

Surface seal: Yes ☐ No ☒ To what depth? ft.
Material used in seal
Did any strata contain unusable water? Yes ☐ No ☐
Type of water? Depth of strata
Method of sealing strata off

(7) PUMP: Manufacturer's Name
Type: H.P.

(8) WATER LEVELS: Land-surface elevation above mean sea level
Static level 112.5 ft. below top of well Date June 8, 1971
Artesian pressure lbs. per square inch Date
Artesian water is controlled by (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☐ No ☒ If yes, by whom?
Yield: gal/min with ft drawdown after hrs

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Bailer test 5 gal/min with 2 ft drawdown after 3 hrs
Artesian flow g.p.m. Date
Temperature of water Was a chemical analysis made? Yes ☐ No ☒

(10) WELL LOG:
Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL	FROM	TO
Clay brown	0	10
Medium hard pan	10	35
Hard hard pan	35	92
Broken hard pan	92	112
Broken hard pan water bearing	112	131
Blue clay	131	139
Hard hard pan		

Work started May 13 19 71 Completed June 12 19 71

WELL DRILLER'S STATEMENT:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME CRABTREE DRILLING CO. (Person, firm, or corporation) (Type or print)
Address Rt 6 Box 301 Kingston Wash.
[Signed] Jerry Carlton (Well Driller)
License No 223-02-8007 Date June 8 19 71

(USE ADDITIONAL SHEETS IF NECESSARY)

AAA192

WPCC No 7356—OS—(Rev. 5-60)—5-69

USGS

KITSAP COUNTY PUD #1
PRIVATE WELL/CONSERVATION PROGRAM

map 2/44

LAB NO. _____

ACCOUNT NO. _____ DIV. _____

CUSTOMER NAME (PLEASE PRINT) Audrey (FIRST) Larson (LAST)

ADDRESS WHERE SHOWERHEAD INSTALLED:

STREET 8153 Hansen Rd NE UNIT # _____

CITY Bainbridge IS STATE Wa ZIP 98110

CUSTOMER'S SIGNATURE owner had to leave no devices left DATE 4/24/92

QUANTITY	BRAND	PROGRAM/DELIVERY I
	Ondine Showerhead	(4) Bus
	Kitchen Aerator	(1) Si
_____	Bath Aerator	_____ (4) Co

BOB — OK leave static level results for MRS. Larson Corona note) at door

PUD ACCT # 000607 WELL ID # AAA192 LOCAL # 25/02E-20P

ELEVATION 210' LATITUDE/LONGITUDE 47° 38.19N / 122° 34.52W

PDOP 2.1
16 18 19
3 5 6

DUG(D) ____ DRILLED(W) ____ SPRING(S) ____

ORIGINAL OWNER _____ DRILLER _____

YEAR DRILLED _____ WELL DEPTH _____

PHONE # 842-5939 TIME BEGAN 12:21 TIME COMPLETED 1:13

DESCRIPTION OF MEASURING PT. (MP) top of seal on casing

HEIGHT OF MP ABOVE/BELOW LAND SURFACE 0.80' BacT P

DEPTH TO WATER BELOW MP 123.46' DEPTH TO WATER BELOW LS 122.66'

TEMPERATURE 50.6 SPECIFIC CONDUCTIVITY 130.8 ph 7.25

Nitrate mg/L 2.9 Fe mg/L 0.04 Mn mg/L 0.011

COLOR clear ODOR none APPEARANCE normal

SAMPLING POINT DESCRIPTION outside hose bib

REMARKS Right at Day Rd (intersec to Ves bridge/n intersec. turn right at stne (intersec) and left Spring Ridge Rd South - top of Hill 1st right to house

SAMPLING PERSONNEL BH

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

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25/2E/27 D

File Original and First Copy Department of Ecology
Second Copy—Owner's Copy
Third Copy—Driller's Copy

APR 16 1991
DEPT. OF ECOLOGY

WATER WELL REPORT

STATE OF WASHINGTON

Start Card No. 035550

Water Right Permit No. _____

(1) **OWNER:** Name Vince Sellen Address 8089 Hyhsch Rd. Bl. 98110

(2) **LOCATION OF WELL:** County Kitsap NW¼ NW¼ Sec 27 T. 25 N., R. 2E W.M.

(2a) **STREET ADDRESS OF WELL** (or nearest address) _____

(3) **PROPOSED USE:** [X] Domestic [ ] Industrial [ ] Municipal [ ] Irrigation [ ] Test Well [ ] Other [ ] DeWater

(4) **TYPE OF WORK:** Owner's number of well (if more than one) _____
Abandoned [ ] New well [X] Method: Dug [ ] Bored [ ] Deepened [ ] Cable [X] Driven [ ] Reconditioned [ ] Rotery [ ] Jetted [ ]

(5) **DIMENSIONS:** Diameter of well 6 inches.
Drilled 117 feet. Depth of completed well 117 ft.

(6) **CONSTRUCTION DETAILS:**
Casing installed: _____ " Diam. from _____ ft. to _____ ft.
Welded [X] 6 " Diam. from 0 ft. to 113 ft.
Liner installed [ ]
Threaded [ ] _____ " Diam. from _____ ft. to _____ ft.

Perforations: Yes [ ] No [X]
Type of perforator used _____
SIZE of perforations _____ in. by _____ in.
_____ perforations from _____ ft. to _____ ft.
_____ perforations from _____ ft. to _____ ft.
_____ perforations from _____ ft. to _____ ft.

Screens: Yes [X] No [ ]
Manufacturer's Name Houston
Type Stainless Model No. _____
Diam. 6 Slot size 10 from 113 ft. to 117 ft.
Diam. _____ Slot size _____ from _____ ft. to _____ ft.

Gravel packed: Yes [ ] No [X] Size of gravel _____
Gravel placed from _____ ft. to _____ ft.

Surface seal: Yes [X] No [ ] To what depth? 20 ft.
Material used in seal Bentonite
Did any strata contain unusable water? Yes [ ] No [X]
Type of water? _____ Depth of strata _____
Method of sealing strata off _____

(7) **PUMP:** Manufacturer's Name Sta-Rite
Type: Sub. H.P. 3/4

(8) **WATER LEVELS:** Land-surface elevation above mean sea level 180 ft.
Static level 11'-6" ft. below top of well Date 3-22-91
Artesian pressure _____ lbs. per square inch Date _____
Artesian water is controlled by _____ (Cap, valve, etc.)

(9) **WELL TESTS:** Drawdown is amount water level is lowered below static level
Was a pump test made? Yes [X] No [ ] If yes, by whom? Driller
Yield: _____ gal./min. with _____ ft. drawdown after _____ hrs.
" 6 " 76 " 4 "
" " " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test _____
Bailer test 6 gal./min. with 83 ft. drawdown after 3 hrs.
Airtest _____ gal./min. with stem set at _____ ft. for _____ hrs.
Artesian flow _____ g.p.m. Date _____
Temperature of water _____ Was a chemical analysis made? Yes [ ] No [X]

(10) **WELL LOG or ABANDONMENT PROCEDURE DESCRIPTION**

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of information.

MATERIAL		FROM	TO
Top soil	Brown	0	3
Clay - sandy	"	3	12
Hard pan	"	12	25
Hard pan - Hard	Grey	25	72
Sand & Gravel - Cemented	"	72	112
Sand & Gravel	"	112	117

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APR 18 1991
DEPT. OF ECOLOGY

Work started March 12, 19. Completed March 22, 1991

WELL CONSTRUCTOR CERTIFICATION:

I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

NAME CRABTREE DRILLING CO
(PERSON, FIRM, OR CORPORATION) (TYPE OR PRINT)

Address 33349 EGLON RD. NE. KINGSTON

(Signed) Jerry Crabtree License No. 82
(WELL DRILLER)

Contractor's Registration No. CRABTD 255O2 Date April 1, 1991

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20 (10/87) -1329-

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT
STATE OF WASHINGTON

24/02E-05B
Application No.

Permit No. ....

(1) **OWNER:** Name VERN SHAGER Address RT. 6 BOX 6257 S. BAINBRIDGE

(2) **LOCATION OF WELL:** County KITSAP ¼ 40 ¼ Sec 5 T. 29 N., R. 2E W.M.

Bearing and distance from section or subdivision corner NW¼ NE¼ 5

(3) **PROPOSED USE:** Domestic ☒ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

(4) **TYPE OF WORK:** Owner's number of well (if more than one)....
New well ☒ Method: Dug ☐ Bored ☐
Deepened ☐ Cable ☐ Driven ☐
Reconditioned ☐ Rotary ☐ Jetted ☐

(5) **DIMENSIONS:** Diameter of well 6 inches.
Drilled 337 ft. Depth of completed well 320 ft.

(6) **CONSTRUCTION DETAILS:**
Casing installed: 6 " Diam. from 0 ft. to 323 ft.
Threaded ☐ " Diam. from ft. to ft.
Welded ☒ " Diam. from ft. to ft.

Perforations: Yes ☐ No ☒
Type of perforator used
SIZE of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

Screens: Yes ☐ No ☒
Manufacturer's Name
Type Model No.
Diam. Slot size from ft. to ft.
Diam. Slot size from ft. to ft.

Gravel packed: Yes ☒ No ☐ Size of gravel: PEA
Gravel placed from 337 ft. to 320 ft.

Surface seal: Yes ☒ No ☐ To what depth? 20 ft.
Material used in seal Bentonite
Did any strata contain unusable water? Yes ☐ No ☒
Type of water? Depth of strata
Method of sealing strata off

(7) **PUMP:** Manufacturer's Name FLINT-WALLING
Type: Turbine H.P. 3/4

(8) **WATER LEVELS:** Land-surface elevation above mean sea level.... ft.
Static level 101 ft. below top of well Date 5-4-78
Artesian pressure lbs. per square inch Date
Artesian water is controlled by (Cap, valve, etc.)

(9) **WELL TESTS:** Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☐ No ☐ If yes, by whom? BACH
Yield: 4 gal./min. with 80 ft. drawdown after 24 hrs.
" " " "
" " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test
Bailer test 2 gal./min. with 39 ft. drawdown after 4 hrs.
Artesian flow — g.p.m. Date —
Temperature of water — Was a chemical analysis made? Yes ☐ No ☒

(10) **WELL LOG:**

Formation: *Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.*

MATERIAL	FROM	TO
BROWN - SAND + ROCKS	0	4
BROWN - SANDY HARD PAN	4	27
BROWN - SANDY CLAY	27	34
GRAY - HARD PAN	34	44
BROWN - HARD PAN	44	57
GRAY - HARD PAN	57	63
BLUE - CLAY	63	285
GRAY - SANDY CLAY	285	303
BLUE - CLAY	303	309
GRAY - SANDY CLAY	309	323
GRAY - WATER BEARING S.H.	323	337
BROWN CLAY	337	

Work started 4-21, 19 78. Completed 5-4-, 19 78

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME Jim Bach Drilling Co.
(Person, firm, or corporation) (Type or print)

Address P.O. Box 10452 BAINBRIDGE

[Signed] Jim Bach
(Well Driller)

License No. 21 Date 5/15, 19 78

(USE ADDITIONAL SHEETS IF NECESSARY)

S. F. No. 7356—OS—(Rev. 4-71).

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

ENTERED

25/2-13 K

344002

WATER WELL REPORT
STATE OF WASHINGTON

Start Card No. W32906
Water Right Permit No.

(1) OWNER: Name BIGGS, WADE Address 10764 BROOMGERRIE RD. BAINBRIDGE IS., WA 98110-

(2) LOCATION OF WELL: County KITSAP - NW 1/4 SE 1/4 Sec 13 T 25 N., R 2E WM
(2a) STREET ADDRESS OF WELL (or nearest address) 10764 BROOMGERRIE RD.

(3) PROPOSED USE: DOMESTIC

(4) TYPE OF WORK: Owner's Number of well (If more than one)
NEW WELL Method: ROTARY

(5) DIMENSIONS: Diameter of well 6 inches
Drilled 129.5 ft. Depth of completed well 129.5 ft.

(6) CONSTRUCTION DETAILS:
Casing installed: 6 " Dia. from 0 ft. to 121 ft.
WELDED " Dia. from ft. to ft.
" Dia. from ft. to ft.

Perforations: NO
Type of perforator used
SIZE of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

Screens: YES
Manufacturer's Name HOUSTON
Type STAINLESS Model No.
Diam. 5 slot size 10 from 119.5 ft. to 124.5 ft.
Diam. 5 slot size 12 from 124.5 ft. to 129.5 ft.

Gravel packed: NO Size of gravel
Gravel placed from ft. to ft.

Surface seal: YES To what depth? 20 ft.
Material used in seal BENTONITE
Did any strata contain unusable water? NO
Type of water? Depth of strata ft.
Method of sealing strata off

(7) PUMP: Manufacturer's Name STA-RITE
Type SUBMERSIBLE H.P.

(8) WATER LEVELS: Land-surface elevation above mean sea level ... ft.
Static level 40 ft. below top of well Date 10/01/93
Artesian Pressure lbs. per square inch Date
Artesian water controlled by

(10) WELL LOG

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change in formation.

MATERIAL	FROM	TO
SAND GRAVEL & CLAY	0	32
BROWN SAND & CLAY	32	34
GRAY SILTY CLAY	34	66
GRAY STICKY CLAY	66	112
GRAY FINE SAND SILT	112	116
COURSE SAND GRAVEL	116	125
GRAVEL	125	129.5
FINE SAND & CLAY	129.5	

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JUN 9 1994
DEPT. OF ECOLOGY

Work started 09/30/93 Completed 10/01/93

(9) WELL TESTS: Drawdown is amount water level is lowered below static level.
Was a pump test made? NO If yes, by whom?
Yield: gal./min with ft. drawdown after hrs.

Recovery data
Time Water Level Time Water Level Time Water Level

Date of test / /
Bailer test gal/min. ft. drawdown after hrs.
Air test 7-12 gal/min. w/ stem set at 125 ft. for .25 hrs.
Artesian flow g.p.m. Date
Temperature of water Was a chemical analysis made? YES

WELL CONSTRUCTOR CERTIFICATION:
I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

NAME DUCKWORTH PUMP & DRILLING
(Person, firm, or corporation) (Type or print)

ADDRESS 18365 DIAMOND DRIVE NE

[SIGNED] Donald Duckworth License No. 1148 1147

Contractor's
Registration No. DUCKWPW148CJ Date 10/05/93

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

ENTERED

3440002

25/2/13 14

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MAY 26 2009
Water Resources Program
Department of Ecology

WATER WELL REPORT
STATE OF WASHINGTON

Start Card No.
Water Right Permit No. G32906

1) OWNER: Name BIGGS, WADE Address 10764 BROOMGERRIE RD. BAINBRIDGE IS., WA 98110-

2) LOCATION OF WELL: County KITSAP NE NW 1/4 SE 1/4 Sec 13 T 25 N., R 2E WM R 23

2a) STREET ADDRESS OF WELL (or nearest address) 10764 BROOMGERRIE RD.

(3) PROPOSED USE: DOMESTIC

(4) TYPE OF WORK: Owner's Number of well (If more than one)
NEW WELL Method: ROTARY

(5) DIMENSIONS: Diameter of well 6 inches
Drilled 129.5 ft. Depth of completed well 129.5 ft.

(6) CONSTRUCTION DETAILS:
Casing installed: 6 " Dia. from 0 ft. to 121 ft.
WELDED " Dia. from ft. to ft.
" Dia. from ft. to ft.

Perforations: NO
Type of perforator used
SIZE of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

Screens: YES
Manufacturer's Name HOUSTON
Type STAINLESS Model No.
Diam. 5 slot size 10 from 119.5 ft. to 124.5 ft.
Diam. 5 slot size 12 from 124.5 ft. to 129.5 ft.

Gravel packed: NO Size of gravel
Gravel placed from ft. to ft.

Surface seal: YES To what depth? 20 ft.
Material used in seal BENTONITE
Did any strata contain unusable water? NO
Type of water? Depth of strata ft.
Method of sealing strata off

(7) PUMP: Manufacturer's Name STA-RITE
Type SUBMERSIBLE H.P.

(8) WATER LEVELS: Land-surface elevation above mean sea level ... ft.
Static level 40 ft. below top of well Date 10/01/93
Artesian Pressure lbs. per square inch Date
Artesian water controlled by

(9) WELL TESTS: Drawdown is amount water level is lowered below static level.
Was a pump test made? NO If yes, by whom?
Yield: gal./min with ft. drawdown after hrs.

Recovery data

Time	Water Level	Time	Water Level	Time	Water Level

Date of test / /
Bailer test gal/min. ft. drawdown after hrs.
Air test 7-12 gal/min. w/ stem set at 125 ft. for .25 hrs.
Artesian flow g.p.m. Date
Temperature of water Was a chemical analysis made? YES

(10) WELL LOG

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with and nature of the material in each stratum penetrated, with at least one entry for each change in formation.

MATERIAL	FROM	TO
SAND GRAVEL & CLAY	0	32
BROWN SAND & CLAY	32	34
GRAY SILTY CLAY	34	66
GRAY STICKY CLAY	66	112
GRAY FINE SAND SILT	112	116
COURSE SAND GRAVEL	116	125
GRAVEL	125	129.5
FINE SAND & CLAY	129.5	

RECEIVED
JUN 9 1994
DEPT. OF ECOLOGY

Work started 09/30/93 Completed 10/01/93

WELL CONSTRUCTOR CERTIFICATION:
I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

NAME DUCKWORTH PUMP & DRILLING
(Person, firm, or corporation) (Type or print)

ADDRESS 18365 DIAMOND DRIVE NE

[SIGNED] Donald Duckworth License No. 1148 1147

Contractor's Registration No. DUCKWPW148CJ Date 10/05/93

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

WELL LOG CHANGE FORM

Instructions: Record any change made to the well log record on this form. Then always append this form to the well log image. File with the original.

WCL Log ID (Required) 344002 Well Log ID 589961

Regional Office: ☐CRO ☐ERO ☒NWRO ☐SWRO

Type of Well: ☑ Water ☐ Resource
Notice of Intent: W032906 Ecology Well ID Tag No. _____
Property (Well) Owner's Name Wade Biggs
Well Street Address 10764 Broadgeorge Rd
City _____ County _____ Zip Code _____
Location: NE 1/4-1/4 SE 1/4 Sec 23 Twn 25N R 2 (E) or W (Circle One)
Lat./Long: (Required) Lat. Deg. _____ Lat. Min/Sec _____
Long. Deg. _____ Long. Min/Sec _____
Horizontal Collection Method Code _____

Tax Parcel No _____
Type of Work: ☒ New Well ☐ Reconditioned ☐ Deepened
Well Log Received Date 6/19/94
Well Diameter 6 (in inches) Well Depth 129.5 (in feet) Well Completed Date 10/1/93
Driller's Ecology License No. 1147
Trainee's Ecology License No. _____

Reason/Source of Change (Required)
Per Kitsap county, correct section for well location is section 23. correct 1/4 1/4 is NE/SE

Signature of Well Log Tracker (Required) Arlene Hanks Date 1/12/10

ECY-WR-WLCF Rev. 10/02/02

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

406887

24-2E-31

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Water Resources Program
Department of Ecology

WATER WELL REPORT

Original & 1st copy – Ecology, 2nd copy – owner, 3rd copy – driller

DEPARTMENT OF ECOLOGY State of Washington

Construction/Decommission *("x" in circle)*

☒ Construction

☐ Decommission *ORIGINAL INSTALLATION*

Notice of Intent Number WE11328

PROPOSED USE: ☐ Domestic ☐ Industrial ☒ Municipal ☐ DeWater ☐ Irrigation ☐ Test Well ☐ Other ____

TYPE OF WORK: Owner's number of well (if more than one) 22

☒ New well ☐ Reconditioned *Method:* ☐ Dug ☐ Bored ☐ Driven ☐ Deepened ☐ Cable ☒ Rotary ☐ Jetted

DIMENSIONS: Diameter of well 16 inches, drilled 1525 ft. Depth of completed well 1497 ft.

CONSTRUCTION DETAILS

Casing Installed: ☒ Welded 16" Diam. from +1 ft. to 1,324 ft. ☐ Liner installed ____" Diam. from ____ ft. to ____ ft. ☐ Threaded ____" Diam. From ____ ft. to ____ ft.

Perforations: ☐ Yes ☒ No

Type of perforator used ____

SIZE of perfs ____ in. by ____ in. and no. of perfs ____ from ____ ft. to ____ ft.

Screens: ☒ Yes ☐ No ☐ K-Pac Location ____

Manufacturer's Name Johnson - See attached as-builts

Type 304 SS Model No. ____

Diam. 10 " Slot size 30 from 1337 ft. to 1476 ft.

Diam. ____ Slot size ____ from ____ ft. to ____ ft.

Gravel/Filter packed: ☒ Yes ☐ No Size of gravel/sand ____

Materials placed from 1271 ft. to 1500 ft.

Surface Seal: ☒ Yes ☐ No To what depth? 40 ft.

Material used in seal Neat cement

Did any strata contain unusable water? ☐ Yes ☒ No

Type of water? ____ Depth of strata ____

Method of sealing strata off ____

PUMP: Manufacturer's Name ____

Type: ____ H.P. ____

WATER LEVELS: Land-surface elevation above mean sea level 363 ft.

Static level 316 ft. below top of well Date 1/5/11

Artesian pressure ____ lbs. per square inch Date ____

Artesian water is controlled by ____ (cap, valve, etc.)

WELL TESTS: Drawdown is amount water level is lowered below static level

Was a pump test made? ☒ Yes ☐ No If yes, by whom? Contractor

Yield: 354 gal./min. with 79 ft. drawdown after 2 hrs.

Yield: 354 gal./min. with 93 ft. drawdown after 8 hrs.

Yield: 354 gal./min. with 100 ft. drawdown after 30 hrs.

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level
60 min	345.69		480 min	328.97	
120min	340.48	960 min	323.88		
240min	334.72	1920 min	320.23		

Date of test 1/5-6/11

Bailer test ____ gal./min. with ____ ft. drawdown after ____ hrs.

Airtest ____ gal./min. with stem set at ____ ft. for ____ hrs.

Artesian flow ____ g.p.m. Date ____

Temperature of water ____ Was a chemical analysis made? ☒ Yes ☐ No

CURRENT

Notice of Intent No. WE11328

Unique Ecology Well ID Tag No. ALK135

Water Right Permit No. CG1-*0023C (shared w/ Wells 17,20,21)

Property Owner Name West Sound Utility District

Well Street Address 2924 SE Lund Avenue

City Port Orchard County Kitsap

Location SE1/4-1/4 SW1/4 Sec 31 Twn 24 R 2 **(s, t, r Still REQUIRED)** EWM ☒ Or WWM ☐

Lat/Long Lat Deg 47 Lat Min/Sec 31/21 Long Deg 122 Long Min/Sec 36/09

Tax Parcel No. (Required) 312402300320000

CONSTRUCTION OR DECOMMISSION PROCEDURE

Formation: Describe by color, character, size of material and structure, and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of information. (USE ADDITIONAL SHEETS IF NECESSARY.)

MATERIAL	FROM	TO
SEE ATTACHED FOR WELL DETAILS		

Start Date ____ Completed Date 1/14/11

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

☒ Driller ☐ Engineer ☐ Trainee Name (Print) RUSTY OTTO

Driller/Engineer/Trainee Signature [signature]

Driller or trainee License No. 2660

IF TRAINEE: Driller's License No:

Driller's Signature:

Drilling Company BOART LONGYEAR COMPANY

Address 11277 SW CLAY ST, SUITE A

City, State, Zip SHERWOOD, OR 97140

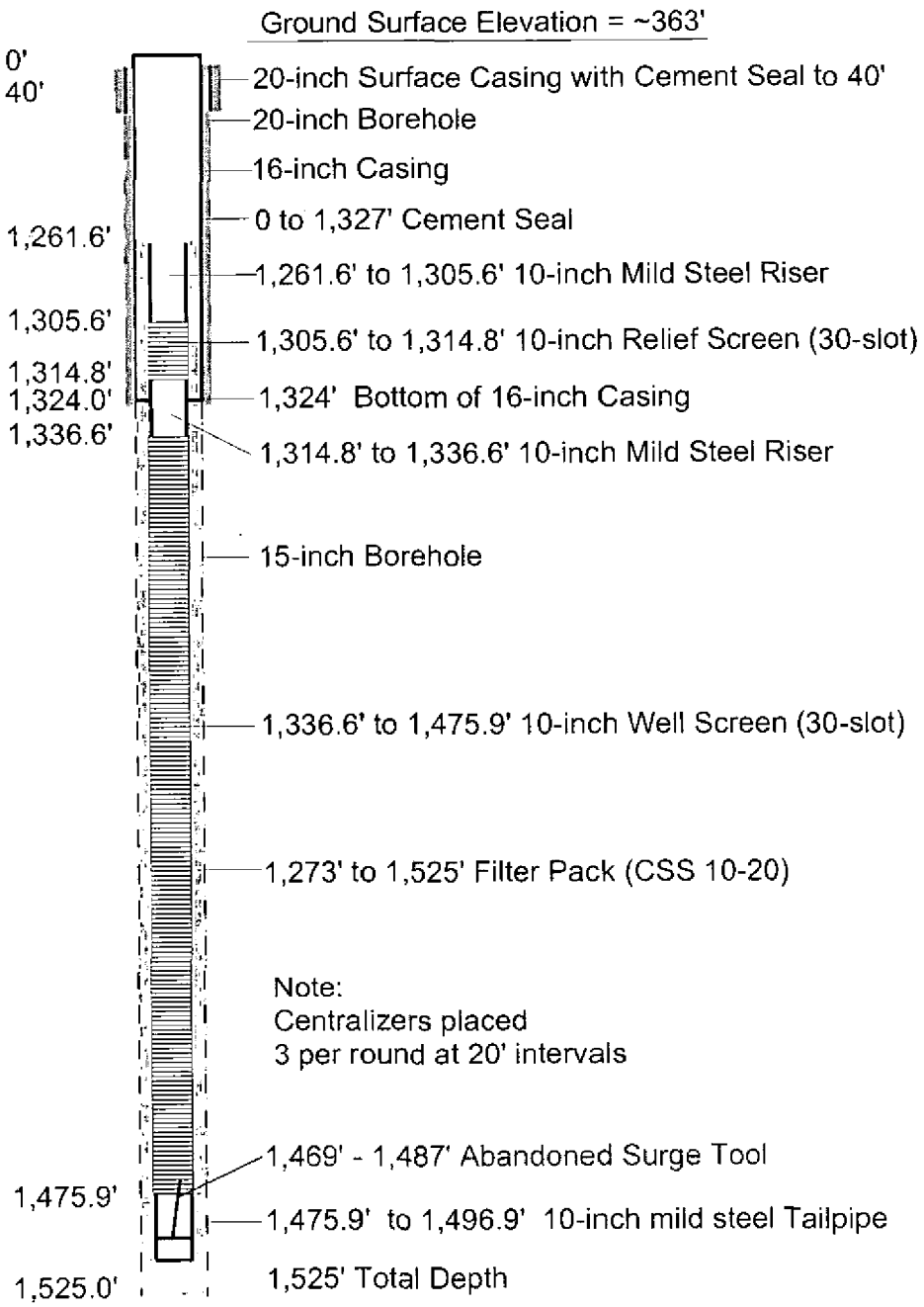
Contractor's Registration No. BOARTLC941RA Date ____

ECY 050-1-20 (Rev 02/10) *If you need this document in an alternate format, please call the Water Resources Program at 360-407-6872. Persons with hearing loss can call 711 for Washington Relay Service. Persons with a speech disability can call 877-833-6341.*

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

24-2E-31A

WSUD Well 22
As-built Completion Design



Not to Scale

CR	WSUD Production Well 22 WSUD\Well22\As-builtdsnf.grf	WSUD Well 22 As-built Completion Design	Figure 1

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

WSUD Well 9 Original Log

From	To	Lithology	Thickness
0	2	Brown Clay & Stones	2
2	15	Gry-Brn Clay & Stones	13
15	22	Gry-Brn Cemented S&G	7
22	63	Gry-Brn Sand,Clay,Grvl,Dry	41
63	87	Gry-Brn Sand,Clay,Grvl,WB	24
87	92	Cream Colored Clay	5
92	100	Brn Clay,Fine Sand, Weeps	8
100	117	Gry-Brn Clay,S&G,Hard Packed	17
117	145	Gray Clay, Sand, Small Stones	28
145	161	Gray S&G, Cemented, WB	16
161	169	Gray Fine Sand, Big Gravel, WB	8
169	170	Blu-Gray Clay	1
170	188	Gray Fine S&G, WB	18
188	236	Gray Silty Clay	48
236	320	Gray Clay, some Silty Streaks	84
320	348	Gray Clay & Fine Sand, Packed	28
348	356	Gray Fine Sand, WB	8
356	373	Brn-Gray Sand, WB	17
373	382	Gray Sand, WB	9
382		Gray Clay & Big Stones	

WSUD Well 9 Deepened Log

From	To	Lithology	Thickness
352	397	Gray Sand and Gravel	45
397	470	Gray Clay	73
470	492	Gray Sand and Gravel	22
492	504	Gray Sand	12
504	511	Gray Sand and Gravel	7
511	523	Gray Clay	12
523	531	Gray Sand	8
531	554	Gray Sand and Gravel	23
554	563	Gray Clay	9
563	584	Gray Sand	21
584	602	Gray Sand and Gravel	18
602	605	Gray Clay	3
605	623	Gray Sand and Gravel	18
623	625	Gray Clay	2
625	682	Gray Coarse S&G	57
682	705	Gray Sand	23
705	734	Gray Gravel	29
734	743	Gray Sand	9
743	753	Gray Clay	10
753	780	Gray Sand	27
780	849	Gray Silty Sand	69
849	852	Gray Gravel	3
852	859	Gray Silty Sand some Gravel	7
859	916	Gray Silty Sand	57
916	918	Gray Clay	2
918	942	Gray Silty Sand	24
942	943	Gray Silty Sand some Gravel	1
943	953	Gray Silty Sand	10
953	954	Gray Silty Sand w/ Gravel	1
954	978	Gray Silty Sand	24
978	999	Gray Clay	21
999	1004	Gray Silty Sand w/ Gravel	5
1004	1056	Gray Silty Sand	52
1056	1062	Gray Clay	6
1062	1075	Gray Silty Sand	13
1075	1122	Gray Clay	47
1122	1167	Gray Small Gravel	45
1167	1190	Gray Silty Sand	23
1190	1193	Gray Small Gravel	3
1193	1197	Gray Silty Sand	4
1197	1213	Gray Clay	16
1213	1218	Gray Small Gravel	5
1218	1222	Gray Clay	4
1222	1244	Coarse Sand	22
1244	1252	Gry Clay	8
1252	1296	Gray Silty Sand	44
1296	1311	Gry Clay	15
1311	1365	Gray Silty Sand	54
1365	1382	Gray Clay	17
1382	1458	Compact Silty Sand /w Wood	76
1458	1540	Brown Peat w/ Gray Clay	82

Figure 1

The Department of Ecology does NOT Warrant the Data and/or the Information on this Well Report.

File Original and First Copy with Department of Ecology
Second Copy—Owner's Copy
Third Copy—Driller's Copy

WATER WELL REPORT

STATE OF WASHINGTON

Start Card No. 026511

Water Right Permit No. G1-25976

(1) **OWNER:** Name Silverdale Water District # 16 Address P.O. Box 493, WA 98383

(2) **LOCATION OF WELL:** County Kitsap SE ¼ NE ¼ Sec. 18 T. 25 N. R. 1E W.M.

(2a) **STREET ADDDRESS OF WELL** (or nearest address) Westwind Estates, Anderson Hill Rd, Silverdale, WA

(3) **PROPOSED USE:** ☐ Domestic ☐ Irrigation ☐ DeWater ☐ Industrial ☐ Test Well ☒ ☐ Municipal ☐ Other

(4) **TYPE OF WORK:** Owner's number of well (if more than one) Westwind

Abandoned ☐ New well ☒ Deepened ☐ Reconditioned ☐ Method: Dug ☐ Cable ☒ Rotary ☒ Bored ☐ Driven ☐ Jetted ☐

(5) **DIMENSIONS:** Diameter of well 8 inches. Drilled 1064 feet. Depth of completed well 868 ft.

(6) **CONSTRUCTION DETAILS:**

Casing installed: 8 " Diam. from +2 ft. to 888 ft.
Welded ☐ Liner installed ☐ Threaded ☐ except al screens Diam. from ft. to ft.
" Diam. from ft. to ft.

Perforations: Yes ☐ No ☒
Type of perforator used
SIZE of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

Screens: Yes ☒ No ☐
Manufacturer's Name Houston
Type V shape wire wrap Model No 30455
Diam. 8 ps Slot size .035 from 750* ft. to 850* ft.
Diam. Slot size from ft. to ft.

Gravel packed: Yes ☐ No ☐ Size of gravel
Gravel placed from ft. to ft.

Surface seal: Yes ☒ No ☐ To what depth? 95 ft.
Material used in seal gran. bentonite
Did any strata contain unusable water? Yes ☐ No ☐
Type of water? Depth of strata
Method of sealing strata off

(7) **PUMP:** Manufacturer's Name
Type: H.P.

(8) **WATER LEVELS:** Land-surface elevation above mean sea level approx. 305 ft.
Static level 283.7 ft. below top of well Date 7/24/91
Artesian pressure lbs. per square inch Date
Artesian water is controlled by (Cap, valve, etc.)

(9) **WELL TESTS:** Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☒ No ☐ If yes, by whom? SEI
Yield: 520 gal./min with 29.7 ft drawdown after 1 hrs.
" " " 30.7 " 8 "
" 515 " 32.1 " 24 "
Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level
5 min.	287.4	40 min.	286.4	120 min.	286.7
10 min.	287.0	60 min	287.1		
20 min.	286.7	100 min	285.8		

Date of test 7/24/-25/91
Bailer test gal./min. with ft. drawdown after hrs.
Airtest gal./min. with stem set at ft. for hrs.
Artesian flow g.p.m. Date
Temperature of water Was a chemical analysis made? Yes ☐ No ☐

(10) **WELL LOG or ABANDONMENT PROCEDURE DESCRIPTION**

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of information.

MATERIAL	FROM	TO
Fill	0	2
Clay, brn, & grvl, 2" minus	2	15
Grvl & sand, med-crse w/clay, grey	15	27
Grvl; sand, med & clay, grey & brn	27	65
Sand, crse w/grvl, med & silt, grey	65	74
Grvl, med; clay, grey & sand, m-crse	74	133
Clay, grey w/sand, med & grvl.	133	138
Grvl, med-lg & sand, crse w/ clay	138	158
Grvl, lg & sand, crse	158	202
Clay, brn w/ grvl.	202	214
Grvl, lg, loose	214	230
Sand, med. w/clay brn.	230	260
Clay, grey, brn w/grvl, small-med	260	318
Clay, grey, w/sand & some grvl.	318	474
Cong, hd-grvl; clay, brn & sand	474	545
Grvl, med & sand, med-crse, brn& blk	545	624
Clay, grey w/grvl. & sand, med.	624	712
Grvl, med, multi-clrd w/sand	712	895
Clay, grey w/grvl, med.	895	1024
Clay, grey, silty w/ grvl, med.	1024	1064

*There is only 75' of screen from 750' to 850'. It consists of 5-12.5' long screens with 5' long casing between each screen.

RECEIVED
AUG 19 1991
DEPT. OF ECOLOGY

Work started 2/19/91 19. Completed 7/31/ 19 91

WELL CONSTRUCTOR CERTIFICATION:

I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

NAME Schneider Equipment, Inc. (PERSON, FIRM, OR CORPORATION) (TYPE OR PRINT)
Address 21881 River Rd NE, St. Paul OR 97137
(Signed) Stephen Schneider (WELL DRILLER) License No. 0643
Contractor's Registration No. SCHNEI*226LG Date 8/12 19 91

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20 (10/87) -1329- 3

The Department of Ecology does NOT Warrant the Data and/or the Information on this Well Report.

File Original and First Copy with Department of Ecology
Second Copy—Owner's Copy
Third Copy—Driller's Copy

WATER WELL REPORT

STATE OF WASHINGTON

Start Card No. 026511

Water Right Permit No. 2/1E/1F J G1-25976

(1) **OWNER:** Name Silverdale Water District # 16 Address P.O. Box 493, WA 98383

(2) **LOCATION OF WELL:** County Kitsap SE ¼ NE ¼ Sec. 18 T. 25 N. R. 1E W.M.

(2a) **STREET ADDDRESS OF WELL** (or nearest address) Westwind Estates, Anderson Hill Rd, Silverdale, WA

(3) **PROPOSED USE:** ☐ Domestic ☐ Irrigation ☐ DeWater ☐ Industrial ☐ Test Well ☒ ☐ Municipal ☐ Other

(4) **TYPE OF WORK:** Owner's number of well (if more than one) Westwind
Abandoned ☐ New well ☒ Deepened ☐ Reconditioned ☐ Method: Dug ☐ Cable ☒ Rotary ☒ Bored ☐ Driven ☐ Jetted ☐

(5) **DIMENSIONS:** Diameter of well 8 inches. Drilled 1064 feet. Depth of completed well 868 ft.

(6) **CONSTRUCTION DETAILS:**
Casing installed: 8 " Diam. from +2 ft. to 888 ft.
Welded ☐ Liner installed ☐ Threaded ☐ except al screens Diam. from ft. to ft.
" Diam. from ft. to ft.

Perforations: Yes ☐ No ☒
Type of perforator used
SIZE of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

Screens: Yes ☒ No ☐
Manufacturer's Name Houston
Type V shape wire wrap Model No 30455
Diam. 8 ps Slot size .035 from 750* ft. to 850* ft.
Diam. Slot size from ft. to ft.

Gravel packed: Yes ☐ No ☐ Size of gravel
Gravel placed from ft. to ft.

Surface seal: Yes ☒ No ☐ To what depth? 95 ft.
Material used in seal gran. bentonite
Did any strata contain unusable water? Yes ☐ No ☐
Type of water? Depth of strata
Method of sealing strata off

(7) **PUMP:** Manufacturer's Name
Type: H.P.

(8) **WATER LEVELS:** Land-surface elevation above mean sea level approx. 305 ft.
Static level 283.7 ft. below top of well Date 7/24/91
Artesian pressure lbs. per square inch Date
Artesian water is controlled by (Cap, valve, etc.)

(9) **WELL TESTS:** Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☒ No ☐ If yes, by whom? SEI
Yield: 520 gal./min with 29.7 ft drawdown after 1 hrs.
" " 30.7 " 8 "
" 515 " 32.1 " 24 "
Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level
5 min.	287.4	40 min.	286.4	120 min.	286.7
10 min.	287.0	60 min	287.1		
20 min.	286.7	100 min	285.8		

Date of test 7/24/-25/91
Bailer test gal./min. with ft. drawdown after hrs.
Airtest gal./min. with stem set at ft. for hrs.
Artesian flow g.p.m. Date
Temperature of water Was a chemical analysis made? Yes ☐ No ☐

(10) **WELL LOG or ABANDONMENT PROCEDURE DESCRIPTION**

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of information.

MATERIAL	FROM	TO
Fill	0	2
Clay, brn, & grvl, 2" minus	2	15
Grvl & sand, med-crse w/clay, grey	15	27
Grvl; sand, med & clay, grey & brn	27	65
Sand, crse w/grvl, med & silt, grey	65	74
Grvl, med; clay, grey & sand, m-crse	74	133
Clay, grey w/sand, med & grvl.	133	138
Grvl, med-lg & sand, crse w/ clay	138	158
Grvl, lg & sand, crse	158	202
Clay, brn w/ grvl.	202	214
Grvl, lg, loose	214	230
Sand, med. w/clay brn.	230	260
Clay, grey, brn w/grvl, small-med	260	318
Clay, grey, w/sand & some grvl.	318	474
Cong, hd-grvl; clay, brn & sand	474	545
Grvl, med & sand, med-crse, brn& blk	545	624
Clay, grey w/grvl. & sand, med.	624	712
Grvl, med, multi-clrd w/sand	712	895
Clay, grey w/grvl, med.	895	1024
Clay, grey, silty w/ grvl, med.	1024	1064

*There is only 75' of screen from 750' to 850'. It consists of 5-12.5' long screens with 5' long casing between each screen.

RECEIVED
AUG 19 1991
DEPT. OF ECOLOGY

Work started 2/19/91, 19. Completed 7/31/, 19 91

WELL CONSTRUCTOR CERTIFICATION:

I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

NAME Schneider Equipment, Inc. (PERSON, FIRM, OR CORPORATION) (TYPE OR PRINT)
Address 21881 River Rd NE, St. Paul OR 97137
(Signed) Stephen Schneider (WELL DRILLER) License No. 0643
Contractor's Registration No. SCHNEI*226LG Date 8/12, 19 91

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20 (10/87) -1329- 3

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT
STATE OF WASHINGTON 25/2-5

Application No.
Permit No.

(1) **OWNER:** Name Weston Hall Address P.O. Box 11315 Bainbridge Isl, Wa. 98110

(2) **LOCATION OF WELL:** County Kitsap NE ¼ SW ¼ Sec. 5 T. 25 N., R. 2E W.M.
Bearing and distance from section or subdivision corner: North ½ of North ½ of South ½ Gov Lot #3

(3) **PROPOSED USE:** Domestic ☒ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

(4) **TYPE OF WORK:** Owner's number of well (if more than one)
New well ☒ Method: Dug ☐ Bored ☐
Deepened ☐ Cable ☒ Driven ☐
Reconditioned ☐ Rotary ☐ Jetted ☐

(5) **DIMENSIONS:** Diameter of well 6 inches.
Drilled 114 ft. Depth of completed well 114 ft.

(6) **CONSTRUCTION DETAILS:**
Casing installed: 6 " Diam. from 0 ft. to 114 ft.
Threaded ☐ " Diam. from ft. to ft.
Welded ☒ " Diam. from ft. to ft.

Perforations: Yes ☐ No ☒
Type of perforator used
SIZE of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

Screens: Yes ☒ No ☐
Manufacturer's Name Johnson
Type Stainless Steel Model No.
Diam. 6" Slot size #12 from 109 ft. to 114 ft.
Diam. Slot size from ft. to ft.

Gravel packed: Yes ☐ No ☒ Size of gravel:
Gravel placed from ft. to ft.

Surface seal: Yes ☒ No ☐ To what depth? 22 ft.
Material used in seal Bentonite
Did any strata contain unusable water? Yes ☐ No ☐
Type of water? Depth of strata
Method of sealing strata off

(7) **PUMP:** Manufacturer's Name Flint & Walling
Type: Submersible H.P. ½

(8) **WATER LEVELS:** Land-surface elevation above mean sea level ft.
Static level 56 ft. below top of well Date 6-21-84
Artesian pressure lbs. per square inch Date
Artesian water is controlled by (Cap, valve, etc.)

(9) **WELL TESTS:** Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☐ No ☐ If yes, by whom?
Yield: 6 gal./min. with 36 ft. drawdown after 2 hrs.
" " "
" " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test
Bailer test gal./min. with ft. drawdown after hrs.
Artesian flow g.p.m. Date
Temperature of water Was a chemical analysis made? Yes ☐ No ☐

(10) **WELL LOG:**
Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL	FROM	TO
Clay & Gravel	0	12
Yellow Hardpan	12	85
Sand & Gravel (dirty)	85	90
Yellow Hardpan	90	106
Water, Sand & Gravel	106	114

Work started 6-18 19 84 Completed 6-21 19 84

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME Burt Well Drilling, Inc. (Person, firm, or corporation) (Type or print)
Address 19282 N.E. Lincoln Rd. Poulsbo Wa. 98370
[Signed] George Burt (Well Driller)
License No. CC48 Date 7-10, 1984

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

WASHINGTON STATE DEPARTMENT OF ECOLOGY

UNIQUE WELL I.D. NUMBER AAA677 (X Y Z 1 2 3)

WELL TAGGING FORM

Date of Field Visit 07/07/1992 By MM-PUD#1

RECORD VERIFICATION

- ☒ Well Report available *(please attach)*
- ☐ Well Report not available
- ☐ Verification inconclusive

WELL OWNERSHIP

Name Susan Palmer

Street address 13491 Manzanita Rd.

City Bainbridge Is. State WA 98110

LOCATION OF WELL

Well Address 13491 Manzanita Rd.

City Bainbridge Is. County Kitsap

T. 25 N. R. 02E W.M. Sec. 05 ¼ NE ¼ SE

GPS Location: Latitude 47 ° 41 ' 07 "

Longitude 122 ° 33 ' 84 "

Elevation 83 (feet)/meters *(circle one)*

- ☒ Digital Altimeter
- ☐ Topographic Map
- ☐ Other

If unable to verify location with GPS equipment:

- ☐ Location marked on topographic map *(please attach if available)*
- ☐ Location marked on air photo *(please attach if available)*

PDOP 15
02 11 19
9 9 7

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

WELL CHARACTERISTICS

Physical Description of Well (size of casing, type of well, housing, etc.): drilled well; 6" casing, no housing.

Location of Well Identification Tag: 2" below top of casing

Was Supplemental Tag needed for ease of identifying well?

☒ NO ☐ YES

Scale 1:24,000 (1"=2,000')

D	C	B	A
E	F	G	H
M	L	K	J
N	P	Q	R

Indicate the location of the well within the Section by drawing a dot at that point.

SECTION 05 J

COMMENTS:

FOR ECOLOGY USE ONLY

Water Right # _____ Date Issued _____

Circle one: Application Permit Certificate Claim Exempt

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

AAA677

WATER WELL REPORT

STATE OF WASHINGTON 25/2-5

Application No
Permit No

(1) OWNER: Name Weston Hall Address P.O. Box 11315 Bainbridge Isl, Wa.

(2) LOCATION OF WELL: County Kitsap — NE ¼ SW ¼ Sec 5 T 25 N R 2E WM

Bearing and distance from section or subdivision corner: North ½ of North ½ of South ½ Gov Lot #3

(3) PROPOSED USE: Domestic ☒ Industrial ☐ Municipal ☐ Irrigation ☐ Test Well ☐ Other ☐

(4) TYPE OF WORK. Owner's number of well (if more than one)
New well ☒ Method Dug ☐ Bored ☐
Deepened ☐ Cable ☒ Driven ☐
Reconditioned ☐ Rotary ☐ Jetted ☐

(5) DIMENSIONS
Drilled 114 ft Diameter of well 6 inches
Depth of completed well 114 ft

(6) CONSTRUCTION DETAILS:

Casing installed: 6 " Diam from 0 ft to 114 ft
Threaded ☐ Diam from ft to ft
Welded ☒ Diam from ft to ft

Perforations: Yes ☐ No ☒
Type of perforator used
SIZE of perforations in by in
perforations from ft to ft
perforations from ft to ft
perforations from ft to ft

Screens: Yes ☒ No ☐
Manufacturer's Name Johnson
Type Stainless Steel Model No
Diam 6" Slot size #12 from 109 ft to 114 ft
Diam Slot size from ft. to ft.

Gravel packed: Yes ☐ No ☒ Size of gravel
Gravel placed from ft to ft

Surface seal. Yes ☒ No ☐ To what depth? 22 ft.
Material used in seal Bentonite
Did any strata contain unusable water? Yes ☐ No ☐
Type of water? Depth of strata
Method of sealing strata off

(7) PUMP: Manufacturer's Name Flint & Walling
Type Submersible HP ½

(8) WATER LEVELS: Land-surface elevation above mean sea level ft
Static level 56 ft below top of well Date 6-21-84
Artesian pressure lbs per square inch Date
Artesian water is controlled by (Cap, valve, etc)

(9) WELL TESTS Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☐ No ☐ If yes by whom?
Yield 6 gal/min with 34 ft drawdown after 2 hrs
" "
" "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test
Bailer test gal/min with ft drawdown after hrs
Artesian flow g.p.m Date
Temperature of water Was a chemical analysis made? Yes ☐ No ☐

(10) WELL LOG:

Formation Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated with at least one entry for each change of formation

MATERIAL	FROM	TO
Clay & Gravel	0	12
Yellow Hardpan	12	85
Sand & Gravel (dirty)	85	90
Yellow Hardpan	90	106
Water, Sand & Gravel	106	114

JUL 23 1984
DEPARTMENT OF ECOLOGY
NORTHWEST REGION

Work started 6-18, 1984 Completed 6-21, 1984

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief

NAME Burt Well Drilling, Inc. (Person firm or corporation) (Type or print)

Address 19782 N.E. Lincoln Rd. Poulsbo, '98

[Signed] George Burt (Well Driller)

License No 0048 Date 7-10, 1984

(USE ADDITIONAL SHEETS IF NECESSARY)

#570

map 1/45

1

KITSAP COUNTY PUD #1
PRIVATE WELL/CONSERVATION PROGRAM

ACCOUNT NO. _____ DIV. _____

CUSTOMER NAME (PLEASE PRINT) Susan Palmer (FIRST) (LAST)

ADDRESS WHERE SHOWERHEAD INSTALLED:

STREET 13491 Manzanita RD UNIT # _____

CITY Bainbridge IS STATE WA ZIP 98110

CUSTOMER'S SIGNATURE Susan Palmer DATE 2/10/92

QUANTITY	BRAND	PROGRAM/DELIVERY METHOD
2	Ondine Showerhead	(4) Business Office
1	Kitchen Aerator	(1) Single Family
Ø	Bath Aerator	No (4) Contractor Installed

PUD ACCT # 000268 WELL ID # AAA677 ELEVATION ~~80'~~ 83'

PHONE # 842-4689 TIME BEGAN 10:14 TIME COMPLETED 10:

LOCAL # 25N/02E-5J LATITUDE/LONGITUDE 47410~~47~~84 12233~~7~~84 no signal

DESCRIPTION OF MEASURING PT. (MP) top of casing (drilled)

HEIGHT OF MP (ABOVE)/BELOW LAND SURFACE 0.36' BacT A

DEPTH TO WATER BELOW MP 56.0' 54.06 07/07/92 DEPTH TO WATER BELOW LS 55.64' PDoP 1.5

TEMPERATURE 51.3 SPECIFIC CONDUCTIVITY 199.2 ph 7.56 02 11 19 9 9 7

Nitrate mg/L 1.7 Fe mg/L 0.03 Mn mg/L 0.001

COLOR clear ODOR none APPEARANCE normal

SAMPLING POINT DESCRIPTION outside hose b.b on house

REMARKS Go north on 305 West(Right) on Hidden Cove RD. turn left on Manzanita, Go 3/10 mile, turn rite onto Paved Road. Take left Branch - Mail Box with number.

SAMPLING PERSONNEL BA

DISPLACEMENT BAG 2 (YES) _____ NO Well near Mail Box (Well Head).

Devices E / NT 2/7/92 contacted

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

25/2e/26 B

File Original and First Copy with Department of Ecology
Second Copy—Owner's Copy
Third Copy—Driller's Copy

WATER WELL REPORT

STATE OF WASHINGTON

Start Card No. 026508

Water Right Permit No. _____

(1) OWNER: Name Wing Point Golf & Country Club Address 811 Cherry, Bainbridge Island, WA 98110

(2) LOCATION OF WELL: County Kitsap NW ¼ of NE ¼ Sec. 26 T. 25 N., R. 2E W.M.

(2a) STREET ADDDRESS OF WELL (or nearest address) owner

(3) PROPOSED USE: ☐ Domestic ☒ Irrigation ☐ DeWater ☐ Industrial ☐ Test Well ☐ Municipal ☐ Other ☐

(4) TYPE OF WORK: Owner's number of well (if more then one) _____
Abandoned ☐ New well ☒ Deepened ☐ Reconditioned ☐ Method: Dug ☐ Cable ☐ Rotary ☐ Bored ☐ Driven ☐ Jetted ☐

(5) DIMENSIONS: Diameter of well 10/6/5 inches.
Drilled 1203 feet. Depth of completed well 250 ft.

(6) CONSTRUCTION DETAILS:
Casing installed: 10 " Diam. from +1 ft. to 167 ft.
Welded ☒ Liner installed ☐ Threaded ☐ 6 " Diam. from +1.5 ft. to 170 ft.
*5 " Diam. from 170 ft. to 250 ft.
Perforations: Yes ☐ No ☒ *except at screen
Type of perforator used _____
SIZE of perforations _____ in. by _____ in.
_____ perforations from _____ ft. to _____ ft.
_____ perforations from _____ ft. to _____ ft.
_____ perforations from _____ ft. to _____ ft.
Screens: Yes ☒ No ☐
Manufacturer's Name Johnson
Type 304SS Model No. _____
Diam. 6TS Slot size .035 from 170 ft. to 180 ft.
Diam. _____ Slot size _____ from 188 ft. to 198 ft.
230 ft. to 240 ft.
Gravel packed: Yes ☒ No ☐ Size of gravel 8-12
Gravel placed from 147 ft. to 250 ft.
Surface seal: Yes ☒ No ☐ To what depth? 20 ft.
Material used in seal cement w/ bent.
Did any strata contain unusable water? Yes ☐ No ☐
Type of water? _____ Depth of strata _____
Method of sealing strata off _____

(7) PUMP: Manufacturer's Name _____
Type: _____ H.P. _____

(8) WATER LEVELS: Land-surface elevation above mean sea level approx. 100 ft.
Static level 69.5 ft. below top of well Date 8/28/90
Artesian pressure _____ lbs. per square inch Date _____
Artesian water is controlled by _____ (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☒ No ☐ If yes, by whom? Schneider
Yield: 93 gal./min. with 48.5 ft. drawdown after 1 hrs.
" 93 " 60.4 " 4 "
" 93 " 69.0 " 24 "
Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level
1 min	104.3	20	96.8	120	87.7
5 min	102.6	30	94.9	240	83.6
10 min	99.9	60	91.5	1440	74.5

Date of test 8/28 & 29/90
Bailer test _____ gal./min. with _____ ft. drawdown after _____ hrs.
Airtest _____ gal./min. with stem set at _____ ft. for _____ hrs.
Artesian flow _____ g.p.m. Date _____
Temperature of water 49°F Was a chemical analysis made? Yes ☐ No ☐

(10) WELL LOG or ABANDONMENT PROCEDURE DESCRIPTION

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of information.

MATERIAL	FROM	TO
Top soil	0	1
Sand & Gravel w/ clay, silty, brown	1	12
Clay, grey, silty & some sand & grvl	12	43
Gravel, 3"- & clay, grey	43	168
Gravel, 3"-	168	183
Clay, brown	183	186
Gravel & SS, white	186	198
Clay, grey	198	211
Clay, blue, soft	211	227
Clay, grey-blue w/ SS, white, grvl&wd	227	242
Clay, grey, silty, soft w/wood	242	290
Clay, grey & brn, silty, soft	290	370
Clay, grey, soft, some wood	370	394
Clay, grey, silty, soft	394	456
Clay, grey, soft	456	522
Clay, grey, silty, soft	522	765
Clay, grey, sandy, soft	765	793
Clay, light grey	793	802
Clay, grey	802	897
Clay, grey, some silty & rock	897	1003
Clay, grey, soft	1003	1203

hole from 250'-260' had cement plug
from 260'-300' drain rock backfill
from 300'-1203' thick mud

RECEIVED
OCT 01 1990
DEPT. OF ECOLOGY

Work started 7/23/90, 19. Completed 8/29, 1990

WELL CONSTRUCTOR CERTIFICATION:
I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

NAME Schneider Equipment, Inc. (PERSON, FIRM, OR CORPORATION) (TYPE OR PRINT)
Address 21881 River Road NE St. Paul, OR 97137
(Signed) Stephen Schneider (WELL DRILLER) License No. 0643
Contractor's Registration No. SCHNEI*226LG Date 9/27, 1990

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20 (10/87) 1329-3

SEI #9017

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

77

STATE OF WASHINGTON
DEPARTMENT OF CONSERVATION AND DEVELOPMENT

WELL LOG #1 No. Appli. #4780

Date ..... 19.....

Record by well driller

Source driller's record

Location: State of WASHINGTON

County Kitsap

Area .....

Map .....

NW¼NW ¼ SE¼ sec. 27 T. 25 N., R. 2 E. W.

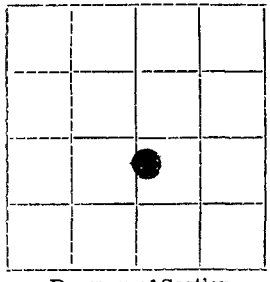


Diagram of Section

25/2E-27K

File number

Drilling Co. Parker & Hill

Address Seattle, Wash.

Method of Drilling ..... Date ..... 19.....

Owner Town of Winslow, Wash.

Address .....

Land surface, datum ..... ft. above / below .....

CORRELATION	MATERIAL	THICKNESS (feet)	DEPTH (feet)
	(Transcribe driller's terminology literally but paraphrase as necessary, in parentheses. If material water-bearing, so state and record static level if reported. Give depths in feet below land-surface datum unless otherwise indicated. Correlate with stratigraphic column, if feasible. Following log of materials, list all casings, perforations, screens, etc.)		
	Cemented sand gr. & boulders	0	109
	Blue clay	52	161
	Fine sand	9	170
	Gravel, sand w/water	15	185
	Clay	65	250
	Clay with gravel	20	270
	Sandy clay	30	320
	Silt with streaks of clay	110	430
	Clay	40	470
	Clay & silt	230	700
	Clay	10	710
	Coarse sand	12	722
	Fine sand	35	757
	Sand & gravel w/water	39	796
	Clay	5	801
	(over)		

Turn up

Sheet ..... of ..... sheets

WELL LOG.—Continued No...../.....-.. .....

CORRELATION	MATERIAL	THICKNESS (feet)	DEPTH (feet)
	Depth forward	———	
	72 ft. of 12-inch casing		
	755 ft. of 8-inch "		
	39 ft. of 6-inch " perf.		
	743 to 782 - perforations		

S. F. No. 7449—12-54—3M. 49108.

of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy 25/2E/27/K

WATER WELL REPORT
STATE OF WASHINGTON

25/2E-27K
Application No.
Permit No. 4520
3170-AC

(1) OWNER: Name City of Winslow Address

(2) LOCATION OF WELL: County Kitsap NW¼ SE¼ Sec. 27 T. 25 N., R. 2E W.M.
Bearing and distance from section or subdivision corner

(3) PROPOSED USE: Domestic ☐ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

(4) TYPE OF WORK: Owner's number of well (if more than one)
New well ☒ Method: Dug ☐ Bored ☐
Deepened ☐ Cable ☒ Driven ☐
Reconditioned ☐ Rotary ☐ Jetted ☐

(5) DIMENSIONS: Diameter of well 12 inches.
Drilled 190 ft. Depth of completed well 149'6" ft.

(6) CONSTRUCTION DETAILS:
Casing installed: 12" Diam. from 0 ft. to 124 ft.
Threaded ☐ 8" Diam. from 99 ft. to 149'6" ft.
Welded ☒ " Diam. from ft. to ft.

Perforations: Yes ☐ No ☒
Type of perforator used
SIZE of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

Screens: Yes ☒ No ☐
Manufacturer's Name Johnson
Type Stainless Steel Model No.
Diam. 8" Slot size #40 from 134 ft. to 144 ft.
Diam. Slot size from ft. to ft.

Gravel packed: Yes ☐ No ☒ Size of gravel:
Gravel placed from ft. to ft.

Surface seal: Yes ☒ No ☐ To what depth? 35 ft.
Material used in seal Cement Grout
Did any strata contain unusable water? Yes ☐ No ☐
Type of water? Depth of strata
Method of sealing strata off

(7) PUMP: Manufacturer's Name
Type: H.P.

(8) WATER LEVELS: Land-surface elevation above mean sea level ft.
Static level plus 8 ft. below top of well Date 8-6-76
Artesian pressure lbs. per square inch Date
Artesian water is controlled by (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☒ No ☐ If yes, by whom? Driller & Robinson & Noble
Yield: gal./min. with ft. drawdown after hrs.
" (See Attached) " "
" " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test
Bailer test gal./min. with ft. drawdown after hrs.
Artesian flow g.p.m. Date
Temperature of water Was a chemical analysis made? Yes ☐ No ☐

(10) WELL LOG:
Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL	FROM	TO
Fill	0	7
Brown gravely Hardpan	7	19
Blue Hardpan	19	111
Blue Clay	111	114
Blue Hardpan	114	132
Medium to Fine Blue Sand	132	145
Blue Silty Clay	145	190

Work started July 7, 19 76 Completed Aug. 6, 19 76

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME Burt Well Drilling
(Person, firm, or corporation) (Type or print)
Address Route 1, Box 283 Poulsbo, Wa. 98370
[Signed] George E. Burt
(Well Driller)
License No. 223-02-6084 Date Aug. 12, 19 76

(USE ADDITIONAL SHEETS IF NECESSARY)

S. F. No. 7356—OS—(Rev. 4-71).

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

File Original and First Copy with Department of Ecology
Second Copy—Owner's Copy
Third Copy—Driller's Copy

WATER WELL REPORT

STATE OF WASHINGTON

Start Card No. 024506

Water Right Permit No. G1-25492

(1) OWNER: Name Silverdale Water District #16 Address P.O. Box 493 Silverdale, WA. 98383

(2) LOCATION OF WELL: County Kitsap SE ¼ of SW ¼ Sec. 19 T. 25 N., R. 1E W.M

(2a) STREET ADDDRESS OF WELL (or nearest address) approx. 150 yds NW of Dickey Rd - Newberry Hill Rd. intersection

(3) PROPOSED USE: ☐ Domestic ☐ Industrial ☐ Municipal ☐ ☐ Irrigation ☐ Test Well ☒ Other ☐ ☐ DeWater

(4) TYPE OF WORK: Owner's number of well (if more than one) ~~Dickey~~ Wixson Road No. 1

Abandoned ☐ New well ☒ Method: Dug ☐ Bored ☐ Deepened ☐ Cable ☐ Driven ☐ Reconditioned ☐ Rotery ☒ Jetted ☐

(5) DIMENSIONS: Diameter of well 8 inches. Drilled 1200 feet. Depth of completed well 988 ft.

(6) CONSTRUCTION DETAILS:

Casing Installed: 8 " Diam. from +3.5 ft. to 995.5 ft. except at screens
Welded ☒ Liner installed ☐ Threaded ☐ " Diam. from ft. to ft.
" Diam. from ft. to ft.

Perforations: Yes ☐ No ☒
Type of perforator used
SIZE of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

Screens: Yes ☒ No ☐
Manufacturer's Name Johnson Filtration
Type Model No.
Diam. 8 ps Slot size .050 from 835 ft. to 865 ft.
Diam. 8 ps Slot size .020 from 890 ft. to 910 ft.
Diam 8 ps slot .050 from 940 to 970
Gravel packed: Yes ☐ No ☒ Size of gravel
Gravel placed from ft. to ft.

Surfece seal: Yes ☒ No ☐ To what depth? 20 ft.
Material used in seal cement w/bent
Did any strata contain unusable water? Yes ☐ No ☐
Type of water? Depth of strata
Method of sealing strata off

(7) PUMP: Manufacturer's Name
Type: H.P.

(8) WATER LEVELS: Land-surface elevation above mean sea level approx. 540 ft.
Static level 481.2 ft. below top of well Date 2/19/90
Artesian pressure lbs. per square inch Date
Artesian water is controlled by (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☒ No ☐ If yes, by whom? SEI
Yield: 160 gal./min. with 19.2 ft. drawdown after 1 hrs.
" 160 " 20.5 " 8 "
" 160 " 21.0 " 24 "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level
5 min	486.7	28	483.5	90	481.9
10	485.7	40	482.9	120	481.7
16	484.8	60	482.3	160	481.6

Date of test 2/19 - 20/90
Bailer test gal./min. with ft. drawdown after hrs.
Airtest gal./min. with stem set at ft. for hrs.
Artesian flow g.p.m. Date
Temperature of water 55-60° Was a chemical analysis made? Yes ☐ No ☒

(10) WELL LOG or ABANDONMENT PROCEDURE DESCRIPTION

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of information.

MATERIAL	FROM	TO
Gvl, 3"- & sand w/clay	0	3
Gvl & sand, cem	3	10
Gvl, 3"- & sand w/clay	10	15
Clay, tan w/gvl & sand	15	39
Gvl, 2"- & sand, crse	39	273
Sand, crse w/ some gvl	273	281
Clay, silty-sandy, brown	281	298
Sand & gvl, some cem & occ. clay - silt	298	532
Clay, grey	532	550
Gvl & sand, cem w/clay, brown	550	585
Clay, grey & brown, soft	585	597
Gvl & sand, cem, some clay	597	614
Gvl, loose	614	620
Gvl & sand, cem, some clay	620	655
Clay, grey & gvl & sand	655	668
Clay, grey, silty w/some gvl	668	688
Gvl & sand, cem, some clay	688	697
Clay, grey & claystone, blue & gvl	697	729
Clay, blue w/some gvl	729	765
Gvl w/clay, brown & claystone	765	795
Gvl, 1"- & sand,crse	795	814
Sand, brn, crse - med w/clay & gvl	814	954
(fluid loss 834 - 844 & 895 - 954)		
Gvl & sand, crse, brn	954	984
Gvl & sand crse, brn w/clay	984	1014
Clay, soft, grey w/some gvl & sand	1014	1025
Clay, grey, soft	1025	1085
Clay, brn & grey, soft, occ. gvl & sand	1085	1154
Clay, grey w/some sand	1154	1174
Clay, grey	1174	1200

Work started 1/2/90 19. Completed 2/21 19 90

WELL CONSTRUCTOR CERTIFICATION:

I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

NAME Schneider Equipment, Inc. (PERSON, FIRM, OR CORPORATION) (TYPE OR PRINT)
Address 21881 River Road NE. St. Paul, OR. 97137
(Signed) Stephen Schneider (WELL DRILLER) License No. 0643
Contractor's Registration No. SCHNEI*226LG Date 3/5 19 90

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20 (10/87) -1329- 3

SEI 9002

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

Property of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

STATE OF WASHINGTON
DEPARTMENT OF CONSERVATION
DIVISION OF WATER RESOURCES

GWP-8951

WELL LOG

Record by Driller
Source Driller's Record

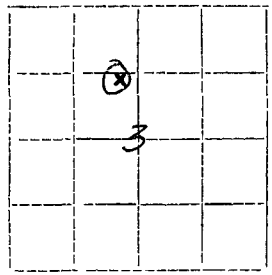


Diagram of Section

24/2E-3F
File number

Location State of WASHINGTON
County Kitsap
Area
Map
SE ¼ NW ¼ sec 3 T 24 N, R 2 E

Drilling Co Reliable Well Drilling Inc.
Address Rt 1 Box 1512, Bremerten WA,
Method of Drilling Cable, Drivem Date 7/16-9/25, 19 67
Owner West Port Blakely Water Assn
Address Rt 4 Box 4507, Bainbridge Island
Land surface, datum Approx ft above ~~below~~ Sea Level
SWL 65' Date 300' 9/25/67, 19 Dims 6" X 750'

CORRELATION	MATERIAL	From (feet)	To (feet)
	Domestic		

(Transcribe driller's terminology literally but paraphrase as necessary in parentheses. If material water bearing so state and record static level if reported. Give depths in feet below land surface datum unless otherwise indicated. Correlate with stratigraphic column if feasible. Following log of materials list all casings perforations screens etc.)

	Soil	0	1
	Clay, Yellow	1	15
	Clay, Blue	15	45
	Sand, Clay & Trace of water	45	47
	Clay, Blue & some water	47	210
	Sand, Clay & Water	210	215
	Clay, Blue & Sand & Water	215	600
	Clay, Blue - Dry	600	750
	Casing 6" from 0 to 750'		
	Perforations Mills Knife, from 100' to 600'		
	Pump, Fairbanks Morse, Submersible, 3 HP		
	Well Test 5 8 gpm, 600' DD, 72 Hr		

Turn up

Sheet 1 of 1 sheets

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy 26/2E/33/P

WATER WELL REPORT
STATE OF WASHINGTON

Application No. 26/02-33P
Permit No.

(1) OWNER: Name William RASOR Address Rt 8 8921 Bainbridge, WA.

(2) LOCATION OF WELL: County Kitsap SW¼ - SE¼ SW¼ Sec. 33 T. 26 N., R. 02E W.M.
Bearing and distance from section or subdivision corner

(3) PROPOSED USE: Domestic ☒ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

(4) TYPE OF WORK: Owner's number of well (if more than one) 3
New well ☒ Method: Dug ☐ Bored ☐
Deepened ☐ Cable ☒ Driven ☐
Reconditioned ☐ Rotary ☐ Jetted ☐

(5) DIMENSIONS: Diameter of well 6 inches.
Drilled 127 ft. Depth of completed well 127 ft.

(6) CONSTRUCTION DETAILS:
Casing installed: 6" Diam. from 0 ft. to 123 ft.
Threaded ☐ " Diam. from ft. to ft.
Welded ☒ " Diam. from ft. to ft.

Perforations: Yes ☐ No ☒
Type of perforator used
SIZE of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

Screens: Yes ☒ No ☐ JOHNSON
Manufacturer's Name
Type Telescope Model No
Diam. 6" Slot size 12 from 121 ft. to 127 ft.
Diam. Slot size from ft. to ft.

Gravel packed: Yes ☐ No ☒ Size of gravel:
Gravel placed from ft. to ft.

Surface seal: Yes ☒ No ☐ To what depth? 18 ft.
Material used in seal Bentonite
Did any strata contain unusable water? Yes ☒ No ☐
Type of water? Nat. Gas Depth of strata 130'
Method of sealing strata off Pulled pipe back.

(7) PUMP: Manufacturer's Name Flint - Waling
Type: Submersible H.P. ½

(8) WATER LEVELS: Land-surface elevation above mean sea level 100 ft.
Static level 50 ft. below top of well Date
Artesian pressure lbs. per square inch Date
Artesian water is controlled by (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☒ No ☐ If yes, by whom? Bach
Yield: 3 gal./min. with 70 ft. drawdown after 24 hrs.
" " " "
" " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test
Bailer test 3 gal./min. with ft. drawdown after hrs.
Artesian flow NONE ? g.p.m. Date
Temperature of water ? Was a chemical analysis made? Yes ☒ No ☐

(10) WELL LOG:
Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL	FROM	TO
Topsoil	0	3
Blue clay	3	120
Fine sand - water	121	127

Work started NOV. 19 73 Completed NOV. 19 73

WELL DRILLER'S STATEMENT:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME Jim Bach Drilling Co.
(Person, firm, or corporation) (Type or print)
Address Rt. 8 8811 Bainbridge, WA.
[Signed] Jim Bach (Well Driller)
License No. 21 Date NOV. 19 73

(USE ADDITIONAL SHEETS IF NECESSARY) ph 842-5555

S. F. No. 7358—OS—(Rev. 4-71).

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

Property of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

Reg # 1357

STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY

WELL LOG

Record by Unknown

Source Well Report

Location: State of WASHINGTON

County Kitsap

Area –

Map –

SW ¼ NW ¼ sec 35 T 26 N., R 2 E. W.

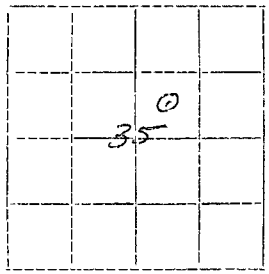


Diagram of Section

Drilling Co. UNK

Address

Method of Drilling Driven Date 5-27-70 19

Owner Conrad Van Wyck MAHNKEN

Address Rt 7 Bx 2692 Bainbridge Is. 98110

Land surface, datum ft. above / below

SWL: 56' Date 5-27-70, 19 Dims.: 6" x 100'

File number 26/2E-35E

CORRELATION	Domestic + Irrigation MATERIAL	From (feet)	To (feet)
	Topsoil	0	3'
	Sand, brown, silty & gravel	3	32'
	Sand, (w.b.)	32	56'
	Clay	56	70'
	Sand, fine w.b.	70	80'
	Sand, med-coarse	80	86'
	Silts & clay	86	100'
	Casing: 6" Dia.	0	86'
	Screen. Hydrophilic Industries		
	Plastic II 10 gpm slot size	76	86'
	Surface seal: 6" ??		
	Pump: Barnes ½ HP.		
	Baiter Test: 10 gpm w/ 10' DD @ 2hr.		

(Transcribe driller's terminology literally but paraphrase as necessary, in parentheses If material water-bearing, so state and record static level if reported. Give depths in feet below land-surface datum unless otherwise indicated Correlate with stratigraphic column, if feasible Following log of materials, list all casings, perforations, screens, etc.)

Turn up

Sheet ... of ... sheets

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

le Original and First Copy with
partment of Ecology
cond Copy — Owner's Copy
ird Copy — Driller's Copy

110575

WATER WELL REPORT

STATE OF WASHINGTON

Start Card No. W137550

UNIQUE WELL I.D. # AFR 832

Water Right Permit No. 25-2E-35 H

) OWNER: Name Environmental Protection Agency Address Wyckoff/Eagle Harbor Superfund Site

) LOCATION OF WELL: County Kitsap SE 1/4 NE 1/4 Sec 35 T. 25 N.R. 2E W.M.

a) STREET ADDRESS OF WELL (or nearest address) 5350 Creosote Lane NE Bainbridge Island, WA 98110

) PROPOSED USE: ☐ Domestic ☐ Industrial XX ☐ Municipal XX ☐ Irrigation ☐ Test Well ☐ Other ☐ ☐ DeWater

) TYPE OF WORK: Owner's number of well (if more than one) 01-CT01

Abandoned ☐ New well ☒ Method: Dug ☐ Bored ☐ Deepened ☐ Cable ☒ Driven ☐ Reconditioned ☐ Rotary ☐ Jetted ☐

5) DIMENSIONS: Diameter of well 16 inches. Drilled 823 feet. Depth of completed well 508 ft.

6) CONSTRUCTION DETAILS:

Casing installed: 16 " Diam. from +2.5 ft. to 460 ft.
Welded XX " Diam. from ft. to ft.
Liner installed ☐ Threaded ☐ " Diam. from ft. to ft.

Perforations: Yes ☐ No XX
Type of perforator used
SIZE of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

Screens: Yes ☒ No ☐
Manufacturer's Name Johnson
Type Pipe Size Stainless Steel Model No.
Diam 10 Slot size 0.040 from 460 ft. to 500 ft.
Diam. Slot size from ft. to ft.

Gravel packed: Yes ☒ No ☐ Size of gravel CSS 8-12
Gravel placed from 405 ft. to 505 ft.

Surface seal: Yes ☒ No ☐ To what depth? 39 ft.
Material used in seal Cement
Did any strata contain unusable water? Yes ☐ No ☒
Type of water? Depth of strata
Method of sealing strata off

(7) PUMP: Manufacturer's Name
Type: H.P.

(8) WATER LEVELS: Land-surface elevation above mean sea level ft.
Static level +9 ft Above grnd Date 1-2-02
Artesian pressure lbs. per square inch Date
Artesian water is controlled by cap and valve (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☒ No ☐ If yes, by whom? CDM
Yield: 200 gal./min. with 180 ft. drawdown after 24 hrs

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level
1	141.94	10	43.83	40	3.49
3	110.00	20	12.72	50	2.66
5	86.43	30	5.30	60	1.98

Date of test 1-9 to 10-02
Bailer test gal./min. with ft. drawdown after hrs
Airtest gal./min. with stem set at ft. for hrs.
Artesian flow 15 g.p.m. Date 1-9-02
Temperature of water 51°F Was a chemical analysis made? Yes ☒ No ☐

(10) WELL LOG or ABANDONMENT PROCEDURE DESCRIPTION

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of information.

MATERIAL	FROM	TO
Sand, some grvl, silty brown	0	40
Sand w/grvl, brown, water	40	49
Gravel, sand, brown, water	49	70
Sand w/grvl, brown, water	70	120
Gravel, clay, glacial till, brown	120	150
Sand, silty, brown	150	167
Gravel, sand, silty	167	180
Sand, somegravel, brown, water	180	282
Clay, gray	282	328
Sand, gray, silty, some water	328	343
Clay, gray green	343	376
Sand, some grvl, brown, water	376	410
Gravel, sand, brown, water	410	420
Sand, some grvl & silt, brown	420	458
Grvl, sand, cobbles, brown, water	458	560
Sand, some grvl, silt, brn, water	560	628
Clay, gray, silty	628	832

RECEIVED
MAR 06 2002
DEPARTMENT OF ECOLOGY
WELL DRILLING UNIT

Work Started 8-20-01 19 Completed 1-14-02 19

WELL CONSTRUCTOR CERTIFICATION:

I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

NAME Holt Drilling, Inc. (PERSON, FIRM, OR CORPORATION) (TYPE OR PRINT)

Address PO Box 1890, Milton, WA 98354

(Signed) (WELL DRILLER) License No. 1099

Contractor's Registration No HOLTDI*360G Date 2/28/02 19

(USE ADDITIONAL SHEETS IF NECESSARY)

Ecology is an Equal Opportunity and Affirmative Action employer. For special accommodation needs, contact the Water Resources Program at (206) 407-6600. The TDD number is (206) 407-6006.

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

WATER WELL REPORT

STATE OF WASHINGTON

Start Card No. W077972
Unique Well I.D. # ACW043
Water Right Permit No.

(1) OWNER: Name ZWICKER, BRUCE Address 3907 EL CIMO LN. N.E. BAINBRIDGE IS., WA 98110-

(2) LOCATION OF WELL: County KITSAP - NW 1/4 SW 1/4 Sec 35 T 25 N., R 2E WM
(2a) STREET ADDRESS OF WELL (or nearest address) NX2 5166 ROSE AVE. N.E., BAINBRIDGE IS. 25-2E-35 M

(3) PROPOSED USE: DOMESTIC

(4) TYPE OF WORK: Owner's Number of well (If more than one)
NEW WELL Method: ROTARY

(5) DIMENSIONS: Diameter of well 6 inches
Drilled 280 ft. Depth of completed well 280 ft.

(6) CONSTRUCTION DETAILS:
Casing installed: 6 " Dia. from 0 ft. to 270.2 ft.
WELDED " Dia. from ft. to ft.
" Dia. from ft. to ft.

Perforations: NO
Type of perforator used
SIZE of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

Screens: YES
Manufacturer's Name JOHNSON
Type STAINLESS Model No.
Diam. 5 slot size 12 from 270 ft. to 275 ft.
Diam. 5 slot size 10 from 275 ft. to 280 ft.

Gravel packed: NO Size of gravel
Gravel placed from ft. to ft.

Surface seal: YES To what depth? 18 ft.
Material used in seal BENTONITE
Did any strata contain unusable water? NO
Type of water? Depth of strata ft.
Method of sealing strata off

(7) PUMP: Manufacturer's Name
Type SUBMERSIBLE H.P.

(8) WATER LEVELS: Land-surface elevation above mean sea level ... ft.
Static level 91 ft. below top of well Date 03/11/99
Artesian Pressure lbs. per square inch Date
Artesian water controlled by

(9) WELL TESTS: Drawdown is amount water level is lowered below static level.
Was a pump test made? NO If yes, by whom?
Yield: gal./min with ft. drawdown after hrs.

Recovery data

Time	Water Level	Time	Water Level	Time	Water Level

Date of test / /
Bailer test 10+ gal/min. 2 ft. drawdown after .25 hrs.
Air test 12+ gal/min. w/ stem set at 270 ft. for .25 hrs.
Artesian flow g.p.m. Date
Temperature of water Was a chemical analysis made? NO

(10) WELL LOG

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change in formation.

MATERIAL	FROM	TO
BROWN CLAY SOIL	0	20
BROWN HARDPAN	20	39
BROWN COARSE SAND SOME GRAVEL	39	44
BROWN SILTY SAND	44	69
BROWN SILTY CLAY	69	81
BROWN GRAVELLY HARDPAN	81	94
BROWN STICKY CLAY	94	139
BROWN SILTY CLAY	139	161
GREYISH BROWN STICKY CLAY	161	177
DIRTY GRAVEL	177	180
DIRTY SAND & GRAVEL	180	186
MUDDY BROWN SAND GRAVEL & CLAY	186	192
GREYISH BROWN STICKY CLAY	192	215
GREY SHALE SILT & WATER WOOD	215	220
GREY SILT FINE SAND WATER	220	255
COARSE SAND WATER .012	255	280
SILTY FINE SAND	280	

RECEIVED
DEC 7 1999
NWRO-WR
DEPT OF ECOLOGY

Work started 03/08/99 Completed 03/11/99

WELL CONSTRUCTOR CERTIFICATION:
I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

NAME DUCKWORTH PUMP & DRILLING
(Person, firm, or corporation) (Type or print)

ADDRESS 18365 DIAMOND DRIVE NE

[SIGNED] Donald D. Duckworth License No. 1148 1147

Contractor's Registration No. DUCKWPW148CJ Date 03/17/99

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

File Original and First Copy with Department of Ecology
Second Copy -- Owner's Copy
Third Copy -- Driller's Copy

25/02-35 J
Application No.

WATER WELL REPORT
STATE OF WASHINGTON

25/2E/35/J

Permit No. G1-00375P

(1) OWNER: Name GRECCO UTILITIES Address Bainbridge Island, Wa. 98110

(2) LOCATION OF WELL: County Kitsap (Tract K, Plat) NE¼ SE¼ Sec. 35 T. 25 N., R 2E W.M.

Bearing and distance from section or subdivision corner ~~NE~~ 1000' W & 800' S of E¼ Cor. Sec 35

(3) PROPOSED USE: Domestic [X] Industrial [ ] Municipal [ ]
Irrigation [ ] Test Well [ ] Other [ ]

(4) TYPE OF WORK: Owner's number of well (if more than one) 3
New well [X] Method: Dug [ ] Bored [ ]
Deepened [ ] Cable [X] Driven [ ]
Reconditioned [ ] Rotary [ ] Jetted [ ]

(5) DIMENSIONS: Diameter of well 8 inches.
Drilled 160 ft. Depth of completed well 160 ft.

(6) CONSTRUCTION DETAILS:

Casing installed: 8" Diam. from 0 ft. to 160 ft.
Threaded [ ] " Diam. from ft. to ft.
Welded [X] " Diam. from ft. to ft.

Perforations: Yes [ ] No [X]
Type of perforator used
SIZE of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

Screens: Yes [X] No [ ]
Manufacturer's Name Johnson
Type Stainless Steel Model No.
Diam. 8" Slot size 12 from 150 ft. to 160 ft.
Diam. Slot size from ft. to ft.

Gravel packed: Yes [ ] No [X] Size of gravel:
Gravel placed from ft. to ft.

Surface seal: Yes [X] No [ ] To what depth? 23 ft.
Material used in seal Bentonite
Did any strata contain unusable water? Yes [ ] No [ ]
Type of water? Depth of strata
Method of sealing strata off

(7) PUMP: Manufacturer's Name Flint and Walling
Type: Submersible H.P. 3

(8) WATER LEVELS: Land-surface elevation above mean sea level 140 ft.
Static level 120 ft. below top of well Date 9-74
Artesian pressure lbs. per square inch Date
Artesian water is controlled by (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes [X] No [ ] If yes, by whom? Driller
Yield: 33 gal./min. with 14'6" ft. drawdown after 7 hrs.
" " " "
" " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level
(Recovery 2½ minutes)					

Date of test
Bailer test gal./min. with ft. drawdown after hrs.
Artesian flow g.p.m. Date
Temperature of water Was a chemical analysis made? Yes [ ] No [ ]

(10) WELL LOG:

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL	FROM	TO
Top Soil	0	2
Hardpan	2	23
Brown Sandy Clay	23	124
Blue Hardpan	124	130
Sand and Water	130	160

Work started 8-25, 19 75 Completed 9-4, 19 74

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME Burt Well Drilling
(Person, firm, or corporation) (Type or print)

Address Route 1, Box 283 Poulsbo, Wa. 9837

[Signed] Maurice Burt
(Well Driller)

License No. 223-02-6084 Date 12-4, 19 75

DNR 12/10/75

(USE ADDITIONAL SHEETS IF NECESSARY)

S. F. No. 7356—OS—(Rev. 4-71).

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

25/2E/35/J

WATER WELL REPORT

STATE OF WASHINGTON

25/02E-35 J
Application No.

AAA238
Permit No. G1-003157

(1) OWNER: Name GRECCO UTILITIES Address Bainbridge Island, Wa. 98110

(2) LOCATION OF WELL: County Kitsap (Tract K, B/L Pt.) NE¼ SE¼ Sec. 35 T. 25 N., R. 2E W.M.

ng and distance from section or subdivision corner ~~NE SE~~ 1000'W & 80'S of E¼ cor. Sec 35

(3) PROPOSED USE: Domestic ☒ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

(4) TYPE OF WORK: Owner's number of well (if more than one).... 3
New well ☒ Method: Dug ☐ Bored ☐
Deepened ☐ Cable ☒ Driven ☐
Reconditioned ☐ Rotary ☐ Jetted ☐

(5) DIMENSIONS: Diameter of well 8 inches.
Drilled 160 ft. Depth of completed well 160 ft.

(6) CONSTRUCTION DETAILS:
Casing installed: 8" Diam. from 0 ft. to 160 ft.
Threaded ☐ ____" Diam. from ____ ft. to ____ ft.
Welded ☒ ____" Diam. from ____ ft. to ____ ft.

Perforations: Yes ☐ No ☒
Type of perforator used
SIZE of perforations ____ in. by ____ in.
____ perforations from ____ ft. to ____ ft.
____ perforations from ____ ft. to ____ ft.
____ perforations from ____ ft. to ____ ft.

Screens: Yes ☒ No ☐
Manufacturer's Name Johnson
Type Stainless Steel Model No.
Diam. 8" Slot size 12 from 150 ft. to 160 ft.
Diam. ____ Slot size Elev ± from -11 ft. to -21 ft.

Gravel packed: Yes ☐ No ☒ Size of gravel:
Gravel placed from ____ ft. to ____ ft.

Surface seal: Yes ☒ No ☐ To what depth? 23 ft.
Material used in seal Bentonite
Did any strata contain unusable water? Yes ☐ No ☐
Type of water? ____ Depth of strata
Method of sealing strata off

(7) PUMP: Manufacturer's Name Flint and Walling
Type: Submersible H.P. 3

(8) WATER LEVELS: Land-surface elevation above mean sea level.... Unk. ft.
Static level 120 ft. below top of well Date 9-74
Artesian pressure ____ lbs. per square inch Date
Artesian water is controlled by (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☒ No ☐ If yes, by whom? Driller
Yield: 33 gal./min. with 146' ft. drawdown after 7 hrs.
" " " "
" " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level
(Recovery 2½ minutes)					

Date of test
Baller test ____ gal./min. with ____ ft. drawdown after ____ hrs.
Artesian flow ____ g.p.m. Date
Temperature of water ____ Was a chemical analysis made? Yes ☐ No ☐

(10) WELL LOG:

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL	FROM	TO
Top Soil	0	2
Hardpan	2	23
Brown Sandy Clay	23	124
Blue Hardpan	124	130
Sand and Water	130	160
Elev ± -11 to -21		
139' KPUD ALTIMETER		

Work started 8-25 19 74 Completed 9-4 19 74

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME Burt Well Drilling
(Person, firm, or corporation) (Type or print)

Address Route 1, Box 283 Poulsbo, Wa. 983

[Signed] Merle Burt
(Well Driller)

License No. 223-02-6084 Date 12-4, 19 75

D.O.E. 12/10/75

(USE ADDITIONAL SHEETS IF NECESSARY)

S. F. No. 7256—OS—(Rev. 1-71)

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

WASHINGTON STATE DEPARTMENT OF ECOLOGY

ENTERED IN WELL LOG

UNIQUE WELL I.D. NUMBER A A A 2 3 8
X Y Z 1 2 3

PARCEL 4137 0000 8300 08

WELL TAGGING FORM

Date of Field Visit 6/3/92 By JZ

RECORD VERIFICATION

- ☐ Well Report available *(please attach)*
- ☑ Well Report not available
- ☐ Verification inconclusive

WELL OWNERSHIP

Name Bill Point Water Co.

Street address 2915 N.E. Day Road

City Bainbridge Island State WA 98110

LOCATION OF WELL

Well Address _____

City Winslow County Kitsap

T. 25 N. R. 02E W.M. Sec. 35 ¼ NE ¼ SE

GPS Location: Latitude 47 ° 36 ' 49.65 ~~00~~ " N

GOOGLE EARTH 8/16/11 Longitude 122 ° 30 ' 14.16 ~~00~~ " W

PDOP 2.3

Elevation 139' (feet) meters *(circle one)*

- ☑ Digital Altimeter
- ☐ Topographic Map
- ☐ Other _____

If unable to verify location with GPS equipment:

PDOP 2.1

- ☑ Location marked on topographic map *(please attach if available)* 16 19 28
- ☐ Location marked on air photo *(please attach if available)* 9 9 9

25/02-35J

File Original and First Copy with Department of Ecology
Second Copy—Owner's Copy
Third Copy—Driller's Copy

WATER WELL REPORT

STATE OF WASHINGTON

Start Card No. _____

Water Right Permit No. _____

(1) OWNER: Name HOWARD ANGELL Address 9915 DAY RD. BAINBRIDGE IS.

(2) LOCATION OF WELL: County KITSAP NE ¼ SE ¼ Sec 35 T. 25 N., R. 2E W.M.

(2a) STREET ADDDRESS OF WELL (or nearest address) _____

(3) PROPOSED USE: [ ] Domestic [ ] Industrial [✓] Municipal
[ ] Irrigation [ ] Test Well [ ] Other [ ]
[ ] DeWater

(4) TYPE OF WORK: Owner's number of well (if more than one) _____
Abandoned [ ] New well [✓] Method: Dug [ ] Bored [ ]
Deepened [ ] Cable [ ] Driven [ ]
Reconditioned [ ] Rotary [✓] Jetted [ ]

(5) DIMENSIONS: Diameter of well 6 inches.
Drilled 160-11 feet. Depth of completed well 160-11 ft.

(6) CONSTRUCTION DETAILS:
Casing installed: 6 " Diam. from 0 ft. to 152 ft.
Welded [✓] " Diam. from _____ ft. to _____ ft.
Linar installed [ ]
Threaded [ ] " Diam. from _____ ft. to _____ ft.

Perforations: Yes [ ] No [✓]
Type of perforator used _____
SIZE of perforations _____ in. by _____ in.
_____ perforations from _____ ft. to _____ ft.
_____ perforations from _____ ft. to _____ ft.
_____ perforations from _____ ft. to _____ ft.

Screens: Yes [✓] No [ ]
Manufacturer's Name JOHNSON
Type STAINLESS Model No. _____
Diam. 5 Slot size 12 from 152 ft. to 161 ft.
Diam. _____ Slot size _____ from _____ ft. to _____ ft.

Gravel packed: Yes [ ] No [✓] Size of gravel _____
Gravel placed from _____ ft. to _____ ft.

Surface seal: Yes [✓] No [ ] To what depth? 20 ft.
Material used in seal BENTONITE
Did any strata contain unusable water? Yes [ ] No [✓]
Type of water? _____ Depth of strata _____
Method of sealing strata off _____

(7) PUMP: Manufacturer's Name Berkley
Type: SUB H.P. 3

(8) WATER LEVELS: Land-surface elevation above mean sea level _____ ft.
Static level 122 ft. below top of well Date 7-6-88
Artesian pressure _____ lbs. per square inch Date _____
Artesian water is controlled by _____ (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes [✓] No [ ] If yes, by whom? Driller
Yield: 30 gal./min. with 29 ft. drawdown after 4 hrs.
" " " "
" " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test _____
Bailer test 14 gal./min. with 10 ft. drawdown after 4 hrs.
Airtest _____ gal./min. with stem set at _____ ft. for _____ hrs.
Artesian flow _____ g.p.m. Date _____
Temperature of water _____ Was a chemical analysis made? Yes [ ] No [✓]

(10) WELL LOG or ABANDONMENT PROCEDURE DESCRIPTION

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of information.

MATERIAL	FROM	TO
SAND + CLAY BROWN	0	20
CLAY BOUND SAND + GRAVEL - BROWN	20	120
SAND + GRAVEL CLAY BOUND - GREY	120	130
CLAY BOUND GRAVEL GREY - BLACK	130	137
WATER SAND + GRAVEL GREY BLACK	137	160
FINER SAND BROWN GREY	160	

Work started 6-13, 19 88 Completed 7-5, 19 88

WELL CONSTRUCTOR CERTIFICATION:

I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

NAME McCOY DRILLING & WELL DEVELOPMENT CO. (TYPE OR PRINT)
(PERSON, FIRM, OR CORPORATION)
Address 9070 N.E. SPARGUR LOOP RD. BAINBRIDGE IS., WA. 98110

(Signed) Mark McCoy License No. 1328
(WELL DRILLER)
Contractor's Registration No. MCCOYDW137Q3 Date 7/6/88, 19

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20 (10-87) -1329- 3

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

File Original and First Copy with Department of Ecology
Second Copy—Owner's Copy
Third Copy—Driller's Copy

WATER WELL REPORT

STATE OF WASHINGTON

Start Card No. 026510

Water Right Permit No. G1-26055 25/1E/15 D

(1) OWNER: Name Silverdale Water District #16 Address P.O. Box 493, Silverdale, WA 98383

(2) LOCATION OF WELL: County Kitsap NW ¼ NW ¼ Sec. 15 T. 25 N., R. 1E W.M.

(2a) STREET ADDDRESS OF WELL (or nearest address) Ridgetop Blvd, Silverdale, WA

(3) PROPOSED USE: ☐ Domestic ☐ Irrigation ☐ DeWater ☐ Industrial ☒ Test Well ☐ Municipal ☐ Other

(4) TYPE OF WORK: Owner's number of well (if more than one) Ridgetop
Abandoned ☐ New well ☒ Deepened ☐ Reconditioned ☐ Method: Dug ☐ Cable ☒ Rotary ☒ Bored ☐ Driven ☐ Jetted ☐

(5) DIMENSIONS: Diameter of well 8x6 inches. Drilled 1194 feet. Depth of completed well 984 ft.

(6) CONSTRUCTION DETAILS:
Casing Installed: 8 " Diam. from +1 ft. to 842 ft.
Welded ☒ Liner installed ☐ Threaded ☐ 6 " Diam. from +2 ft. to 999.5 ft. except at screens
" Diam. from ft. to ft.

Perforations: Yes ☐ No ☒
Type of perforator used
SIZE of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

Screens: Yes ☒ No ☐
Manufacturer's Name Houston
Type V shape wire wrap Model No. 30455
Diam. 8 ps Slot size .030 from 797 ft. to 822 ft.
Diam. 6 ps Slot size .030 from 954 ft. to 979 ft.

Gravel packed: Yes ☐ No ☒ Size of gravel
Gravel placed from ft. to ft.

Surface seal: Yes ☒ No ☐ To what depth? 100 ft.
Material used in seal gran. bentonite
Did any strata contain unusable water? Yes ☐ No ☐
Type of water? Depth of strata
Method of sealing strata off

(7) PUMP: Manufacturer's Name
Type: H.P.

(8) WATER LEVELS: Land-surface elevation above mean sea level approx. 320 ft.
Static level 269.4 ft. below top of well Date 6/12/91
Artesian pressure lbs. per square inch Date
Artesian water is controlled by (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☒ No ☐ If yes, by whom? SEI
Yield: 225 gal./min. with 63 ft. drawdown after 1 hrs.
" 225 " 65 " 10 "
" 225 " 66 " 24 "
Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level
5 min.	272.7	50 min.	271.7	120 min.	27.3
10 min.	272.5	60 min.	271.6	480 min.	270.3
30 min.	272.0	90 min.	271.4	1360min.	269.7

Date of test 6/12-13/91
Bailer test gal./min. with ft. drawdown after hrs.
Airtest gal./min. with stem set at ft. for hrs.
Artesian flow g.p.m. Date
Temperature of water Was a chemical analysis made? Yes ☐ No ☐

(10) WELL LOG or ABANDONMENT PROCEDURE DESCRIPTION

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of information.

MATERIAL	FROM	TO
Top soil, brn.	0	3
Sand & grvl, 4" minus	3	10
Sand, med-crse & grvl, 1/2"-	10	14
Grvl & clay, tan & grey	14	20
Grvl, 2"-& sand, crse, w/clay binder	20	39
Sand, crse & grvl, slightly cemented	39	70
Sand, crse & grvl, cem w/clay	70	90
Sand, crse & grvl.	90	220
Clay, brn, silty, soft	220	234
Clay, grey, layered soft & hard	234	398
Clay, grey, silty w/peat	398	432
Grvl & sand, crse.	432	456
Clay, grey, soft	456	464
Grvl & sand, crse.	464	472
Clay, grey, soft	472	818
Clay, grey, soft w/grvl & wood	818	914
Clay, sandy w/some grvl.	914	984
Grvl, large & clay, sandy, green	984	1034
Clay, sandy, grn & grey, w/some grvl.	1034	1089
Sand, grvl. & clay, cem, hard	1089	1140
Clay, grey, soft	1140	1149
Grvl, sand & clay	1149	1154
Clay, brn & grey w/wood & grvl	1154	1176
Clay, grey, soft	1176	1194

RECEIVED
AUG 19 1991
DEPT. OF ECOLOGY

Work started 2/13/91 19. Completed 7/29/ 19 91

WELL CONSTRUCTOR CERTIFICATION:
I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

NAME Schneider Equipment, Inc. (PERSON, FIRM, OR CORPORATION) (TYPE OR PRINT)
Address 21881 River Rd NE, St. Paul OR 97137
(Signed) (WELL DRILLER) License No. 0643
Contractor's Registration No. SCHNEI*226LG Date 8/12 19 91

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20 (10/87) -1329-

The Department of Ecology does NOT Warrant the Data and/or the Information on this Well Report.

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

ENTERED

WATER WELL REPORT

STATE OF WASHINGTON

Start Card No. W07385

UNIQUE WELL I.D. # AAS284

Water Right Permit No. 25-01E-15D

(1) **OWNER:** Name Silverdale WD #16 Address PO Box 493 Silverdale, WA 98467

(2) **LOCATION OF WELL:** County Kitsap NW 1/4 NW 1/4 Sec 15 T. 25 N. R 01E W.M.

(2a) **STREET ADDRESS OF WELL** (or nearest address) None assigned- NW of intersection Ridgetop@Boardwalk Silverdale,

(3) **PROPOSED USE:** ☐ Domestic ☐ Industrial ☐ Municipal ☒ ☐ Irrigation ☐ Test Well ☐ Other ☐ ☐ DeWater

(4) **TYPE OF WORK:** Owner's number of well (if more than one) Ridgetop Production

Abandoned ☐ New well ☒ Method: Dug ☐ Bored ☐ Deepened ☐ Cable ☐ Driven ☐ Reconditioned ☐ Rotary ☐ Jetted ☐

(5) **DIMENSIONS:** Diameter of well 12 inches. Drilled 1170 feet. Depth of completed well 1165 ft.

(6) **CONSTRUCTION DETAILS:**

Casing installed: 12 " Diam. from +2.5 ft. to 842 ft.
Welded ☒ 8/6 " Diam. from SEE ft. to (10) ft.
Liner installed ☒
Threaded ☐ " Diam. from ft. to ft.

Perforations: Yes ☐ No ☒
Type of perforator used
SIZE of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

Screens: Yes ☒ No ☐
Manufacturer's Name Houston
Type V shape wire wrap Model No.
Diam. 8/6 Slot size .035 from SEE ft. to (10) ft.
Diam. Slot size from ft. to ft.

Filter Pack **Gravel packed:** Yes ☒ No ☐ Size of gravel Pack CSSI8X12
Gravel placed from 734 ft. to 1170 ft.

Surface seal: Yes ☒ No ☐ To what depth? 842 ft.
Material used in seal Cement
Did any strata contain unusable water? Yes ☐ No ☐
Type of water? Depth of strata
Method of sealing strata off

(7) **PUMP:** Manufacturer's Name
Type: H.P.

(8) **WATER LEVELS:** Land-surface elevation above mean sea level approx. 320 ft.
Static level 270 ft. below top of well Date 5/10/99
Artesian pressure lbs. per square inch Date
Artesian water is controlled by (Cap, valve, etc.)

(9) **WELL TESTS:** Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☒ No ☐ If yes, by whom? SEI
Yield: 1000 gal./min. with * ft. drawdown after * hrs.
" *SEE ATTACHED GRAPH " "
" " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level
	SEE ATTACHED GRAPH				

Date of test 5/10/99
Bailer test gal./min. with ft. drawdown after hrs.
Airtest gal./min. with stem set at ft. for hrs.
Artesian flow g.p.m. Date
Temperature of water 54 F Was a chemical analysis made? Yes ☒ No ☐

(10) **WELL LOG or ABANDONMENT PROCEDURE DESCRIPTION**

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of information.

MATERIAL	FROM	TO
SEE ATTACHED LOG		
Liner & screen assembly:		
8" X .250 Blank liner(MNPT on top)	731	814
8" screen(relief)	814	819
8" blank	819	839
8" X 6" bell reducer	839	840
6" X .250 blank	840	880
6" screen	880	890
6" blank	890	901
6" screen	901	911
6" blank	911	925
6" screen	925	935
6" blank	935	946
6" screen	946	956
6" blank	956	962
6" screen	962	972
6" blank	972	1002
6" screen	1002	1012
6" blank	1012	1053
6" screen	1053	1063
6" blank	1063	1099
6" screen	1099	1109
6" blank	1109	1120
6" screen	1120	1130
6" blank	1130	1170

Work Started 2/9/99 19. Completed 5/19/99 19

WELL CONSTRUCTOR CERTIFICATION:

I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

NAME Schneider Equipment, Inc. (PERSON, FIRM, OR CORPORATION) (TYPE OR PRINT)

Address 21881 River Rd. NE St.Paul, OR 97137

(Signed) Stephen Schneider (WELL DRILLER) License No. 0643

Contractor's Registration No. SCHNEI*226LG Date June 4 19 99

(USE ADDITIONAL SHEETS IF NECESSARY)

Ecology is an Equal Opportunity and Affirmative Action employer. For special accommodation needs, contact the Water Resources Program at (206) 407-6600. The TDD number is (206) 407-6006.

ECY 050-1-20 (9/93) * * f

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

Silverdale WD #16 - Ridgetop Production Well

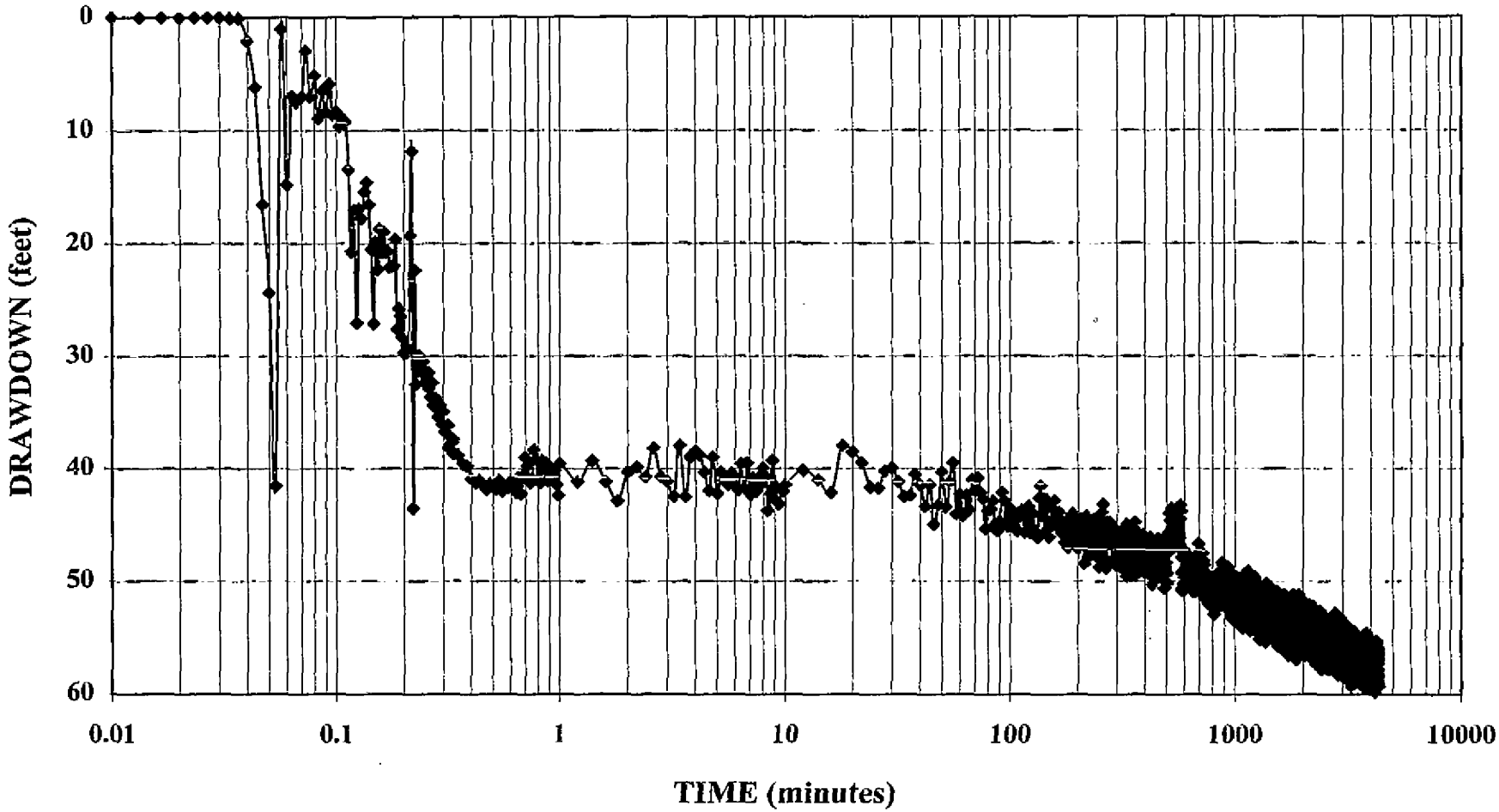
By Schneider Drilling Co.

Start Card #W07385 - Well Label #AAS284

Depth From	Depth To	Description
0	1	Fill
1	18	Sand & gravel, some cobbles, and wood
18	92	Sand & gravel w/cobbles and clay, tan, silty
92	122	Sand, medium-fine & gravel, occasional cobble
122	155	Sand, medium-fine w/gravel layers
155	162	Sand & gravel w/some clay, silty
162	216	Sand & gravel, large, slightly cemented w/some silty clay and cobbles
216	222	Clay, grey, silty & occasional gravel
222	262	Clay, grey, silty soft-hard & some gravel
262	320	Clay, grey, silty, soft-hard & wood w/occasional gravel
320	335	Clay, grey, hard, silty & gravel
335	416	Clay, silty, grey w/ layers of hard, grey clay
416	421	Sand w/some gravel
421	439	Gravel w/sand & some clay, grey, silty
439	469	Clay, grey, silty, occasional gravel
469	814	Clay, grey, silty w/layers of clay, grey, hard
814	821	Clay, grey, hard, silty & some gravel
821	855	Clay, grey, silty, hard
855	856	Clay, grey, occasional gravel
856	858	Sand, grey, medium-fine
858	865	Clay, grey, occasional gravel
865	870	Clay, grey, silty, some gravel
870	912	Clay, grey, silty w/some wood
912	956	Clay, grey, silty w/gravel & sand-silt
956	974	Gravel, 2" minus w/layers of silt, cemented
974	1053	Gravel, 2" minus w/clay, green, sandy, medium
1053	1058	Clay, green, hard-soft, silty w/some gravel
1058	1064	Gravel, medium w/sand
1064	1074	Clay, dark grey, silty
1074	1076	Gravel, 1" minus w/sand
1076	1078	Clay, dark grey & brown w/wood
1078	1090	Clay, light grey, occasional wood
1090	1096	Gravel w/clay, grey
1096	1115	Gravel, 2" minus w/sand
1115	1116	Clay, dark grey & peat
1116	1142	Gravel, 1" minus w/clay, grey
1142	1152	Clay, grey, silty, medium
1152	1154	Gravel, 1" minus w/some wood & clay
1154	1156	Clay, grey, medium
1156	1160	Clay, dark grey-brown w/peat
1160	1170	Clay, grey, medium w/some wood

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

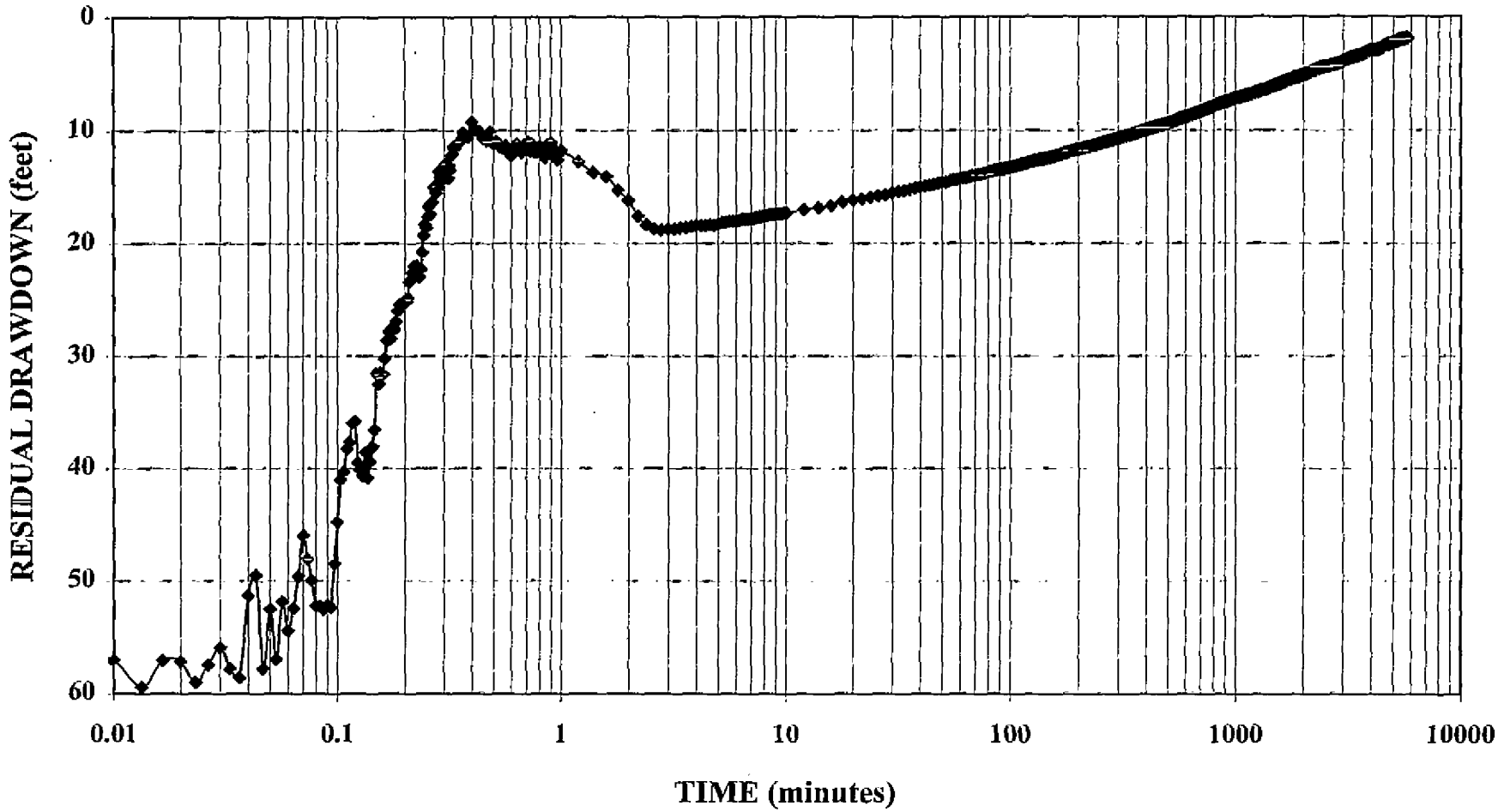
SILVERDALE W.D. RIDGETOP PRODUCTION WELL
Constant Rate 1000 GPM Test beginning 5/10/99



Schneider Drilling Co.

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

SILVERDALE W.D. RIDGETOP PRODUCTION WELL
Recovery beginning 5/13/99



File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT
STATE OF WASHINGTON

Application No. AND 61-2292
Permit No.

(1) **OWNER:** Name SILVERDALE WATER DIST Address SILVERDALE WA

(2) **LOCATION OF WELL:** County KITSAP NW ¼ SW ¼ Sec. 3 T. 25 N., R. 1E W.M.
Bearing and distance from section or subdivision corner 50'S & 80'E OF W ¼ COR OF SEC 3

(3) **PROPOSED USE:** Domestic ☐ Industrial ☐ Municipal ☑
Irrigation ☐ Test Well ☐ Other ☐

(4) **TYPE OF WORK:** Owner's number of well (if more than one) SPIRIT RIDGE #3
New well ☒ Method: Dug ☐ Bored ☐
Deepened ☐ Cable ☒ Driven ☐
Reconditioned ☐ Rotary ☐ Jetted ☐

(5) **DIMENSIONS:** Diameter of well 12 inches.
Drilled 330 ft. Depth of completed well 328 ft.

(6) **CONSTRUCTION DETAILS:**
Casing installed: 12 " Diam. from +2 ft. to 285 ft.
Threaded ☐ " Diam. from ft. to ft.
Welded ☐ " Diam. from ft. to ft.

Perforations: Yes ☐ No ☒
Type of perforator used
SIZE of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

Screens: Yes ☒ No ☐
Manufacturer's Name
Type Model No
Diam. 10 Slot size 30/100 from 285 ft. to 297 ft.
Diam. 10 Slot size 40/100 from 304 ft. to 324 ft.

Gravel packed: Yes ☐ No ☒ Size of gravel:
Gravel placed from ft. to ft.

Surface seal: Yes ☒ No ☐ To what depth? 13 ft.
Material used in seal CONCRETE
Did any strata contain unusable water? Yes ☐ No ☒
Type of water? Depth of strata
Method of sealing strata off

(7) **PUMP:** Manufacturer's Name
Type: H.P.

(8) **WATER LEVELS:** Land-surface elevation above mean sea level ft.
Static level 151 ft. below top of well Date 9/16/77
Artesian pressure lbs. per square inch Date
Artesian water is controlled by (Cap, valve, etc.)

(9) **WELL TESTS:** Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☒ No ☐ If yes, by whom?
Yield: 880 gal./min. with 51 ft. drawdown after 2 hrs.
" " " "
" " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test
Bailer test gal./min. with ft. drawdown after hrs.
Artesian flow g.p.m. Date
Temperature of water Was a chemical analysis made? Yes ☒ No ☐

(10) **WELL LOG:** 25/01-03M

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL	FROM	TO
TILL, GRAY	0	16
SANDY CLAY	16	20
SAND, FINE, SILTY	20	62
BRN SILTY CLAY	62	108
BRN SILTY SAND	108	133
" COARSE TO MED SND	133	176
RHYTMICALLY BEDDED (FINE TO COARSE) BROWN SAND WITH ZONES OF GRAVEL	176	296
GRAY-BRN SILTY CLAY	296	302
FINE TO MED SND W/ GRAVEL, GRADED FINE TO COARSE	302	324
GRAY COMPACT TILL	324	327
GRAY STICKY CLAY	327	330

Work started 8/24, 19 77 Completed 9/16, 19 77

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME STORY & ARMSTRONG DRILLING
(Person, firm, or corporation) (Type or print)

Address PUYALLUP WA

[Signed] John B Noble geologist
(Well Driller)

License No. Date 10/26, 19 77

ROBINSON & NOBLE, INC.
10318 Gravelly Lake Drive S.W
Tacoma, Wash. 98499

(USE ADDITIONAL SHEETS IF NECESSARY)

Ground water App. made 10/28/77-TBH

S. F. No. 7356—OS—(Rev. 4-71).

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

t of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

RECEIVED
OCT 28 1977
DEPT. OF ECOLOGY

25/01-3E
Application No

File Original and First Copy with Department of Ecology
Second Copy - Owner's Copy
Third Copy - Driller's Copy

WATER WELL REPORT
STATE OF WASHINGTON

Permit No.

(1) OWNER: Name SILVERDALE WATER DISTRICT Address SILVERDALE, WA.

(2) LOCATION OF WELL: County KITSAP SW¼ NW¼ Sec. 3 E T. 25 N., R. 1E W.M.

Bearing and distance from section or subdivision corner APPROX 2600' N AND 300' E OF SW COR OF SEC 3

(3) PROPOSED USE: Domestic ☐ Industrial ☐ Municipal ☒
Irrigation ☐ Test Well ☐ Other ☐

(4) TYPE OF WORK: Owner's number of well (if more than one) SPIRIT RIDGE WELL 4
New well ☒ Method: Dug ☐ Bored ☐
Deepened ☐ Cable ☒ Driven ☐
Reconditioned ☐ Rotary ☐ Jetted ☐

(5) DIMENSIONS: Diameter of well 16 inches.
Drilled 337 ft. Depth of completed well 336 ft.

(6) CONSTRUCTION DETAILS:
Casing installed: 16" Diam. from +1.5 ft. to 290.1 ft.
Threaded ☐ " Diam. from ft. to ft.
Welded ☒ " Diam. from ft. to ft.

Perforations: Yes ☐ No ☒
Type of perforator used
SIZE of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

Screens: Yes ☒ No ☐
Manufacturer's Name JOHNSON
Type STAINLESS Model No WATERMARK
Diam. 10" PS Slot size 60 from 290.1 ft. to 331.1 ft.
Diam. Slot size from ft. to ft.

Gravel packed: Yes ☒ No ☐ Size of gravel: MONTEREY F-5
Gravel placed from 264 ft. to 336 ft.

Surface seal: Yes ☒ No ☐ To what depth? 18 ft.
Material used in seal CEMENT
Did any strata contain unusable water? Yes ☐ No ☒
Type of water? Depth of strata
Method of sealing strata off

(7) PUMP: Manufacturer's Name N.A.
Type: H.P.

(8) WATER LEVELS: Land-surface elevation above mean sea level 360 ± ft.
Static level 165.4 ft. below top of well Date 5/22/85
Artesian pressure lbs. per square inch Date
Artesian water is controlled by (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☒ No ☐ If yes, by whom? ROBINSON & NOBLE
Yield: 1590 gal./min. with 46 ft. drawdown after 24 hrs.
" " " "
" " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level
0	211.4	22	166.52	160	166.35
3	167.0	65	166.40		
10	166.62	108	166.37		

Date of test 5/22-23/85
Bailer test gal./min. with ft. drawdown after hrs.
Artesian flow g.p.m. Date
Temperature of water Was a chemical analysis made? Yes ☒ No ☐

(10) WELL LOG:
Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL	FROM	TO
BROWN SAND, GRAVEL AND SILT	0	19
BROWN SAND	19	38
BROWN SILT AND SAND, SOME GRAVEL	38	95
BROWN SILTY CLAY	95	112
BROWN F. + M. SAND, SILTY ABOVE 230 AND COARSER BELOW 230, OCC. SMALL GRAVEL, WATER BEARING	112	281
BROWN F to M SAND, SOME GRAVEL, H_2O	281	286
BROWN SAND AND GRAVEL, VARIABLY GRADED, INTER-LAYERED WITH TILL-LIKE SAND AND GRAVEL FROM 321 WITH INCREASING LAYERS BELOW 330, WATER BEARING	286	337

PREPARED BY:
ROBINSON + NOBLE, INC.

RECEIVED
JUN 19
DEPARTMENT OF ECOLOGY
NORTHWEST REGION

Work started 4/27/85 19 Completed 5/29/85 19

WELL DRILLER'S STATEMENT:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME ARMSTRONG & CHARON, INC.
(Person, firm, or corporation) (Type of print)
Address 10215 16th Ave East
[Signed] John E. Charon
(Well Driller)
License No. 1190 Date 6-17- 19 85

ORIGINAL SIGNED BY DRILLER

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

File Original and First Copy with Department of Ecology
Second Copy—Owner's Copy
Third Copy—Driller's Copy

WATER WELL REPORT

STATE OF WASHINGTON

Start Card No. 026511

Water Right Permit No. 2/1E/1F J G1-25976

(1) **OWNER:** Name Silverdale Water District # 16 Address P.O. Box 493, WA 98383

(2) **LOCATION OF WELL:** County Kitsap SE ¼ NE ¼ Sec. 18 T. 25 N. R. 1E W.M.

(2a) **STREET ADDDRESS OF WELL** (or nearest address) Westwind Estates, Anderson Hill Rd, Silverdale, WA

(3) **PROPOSED USE:** ☐ Domestic ☐ Irrigation ☐ DeWater ☐ Industrial ☐ Test Well ☒ ☐ Municipal ☐ Other

(4) **TYPE OF WORK:** Owner's number of well (if more than one) Westwind

Abandoned ☐ New well ☒ Deepened ☐ Reconditioned ☐ Method: Dug ☐ Cable ☒ Rotary ☒ Bored ☐ Driven ☐ Jetted ☐

(5) **DIMENSIONS:** Diameter of well 8 inches. Drilled 1064 feet. Depth of completed well 868 ft.

(6) **CONSTRUCTION DETAILS:**

Casing installed: 8 " Diam. from +2 ft. to 888 ft.
Welded ☐ except al screens Diam. from ft. to ft.
Liner installed ☐ " Diam. from ft. to ft.
Threaded ☐

Perforations: Yes ☐ No ☒
Type of perforator used
SIZE of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

Screens: Yes ☒ No ☐
Manufacturer's Name Houston
Type V shape wire wrap Model No 30455
Diam. 8 ps Slot size .035 from 750* ft. to 850* ft.
Diam. Slot size from ft. to ft.

Gravel packed: Yes ☐ No ☐ Size of gravel
Gravel placed from ft. to ft.

Surface seal: Yes ☒ No ☐ To what depth? 95 ft.
Material used in seal gran. bentonite
Did any strata contain unusable water? Yes ☐ No ☐
Type of water? Depth of strata
Method of sealing strata off

(7) **PUMP:** Manufacturer's Name
Type: H.P.

(8) **WATER LEVELS:** Land-surface elevation above mean sea level approx. 305 ft.
Static level 283.7 ft. below top of well Date 7/24/91
Artesian pressure lbs. per square inch Date
Artesian water is controlled by (Cap, valve, etc.)

(9) **WELL TESTS:** Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☒ No ☐ If yes, by whom? SEI
Yield: 520 gal./min with 29.7 ft drawdown after 1 hrs.
" " " 30.7 " 8 "
" 515 " 32.1 " 24 "
Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level
5 min.	287.4	40 min.	286.4	120 min.	286.7
10 min.	287.0	60 min	287.1		
20 min.	286.7	100 min	285.8		

Date of test 7/24/-25/91
Bailer test gal./min. with ft. drawdown after hrs.
Airtest gal./min. with stem set at ft. for hrs.
Artesian flow g.p.m. Date
Temperature of water Was a chemical analysis made? Yes ☐ No ☐

(10) **WELL LOG or ABANDONMENT PROCEDURE DESCRIPTION**

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of information.

MATERIAL	FROM	TO
Fill	0	2
Clay, brn, & grvl, 2" minus	2	15
Grvl & sand, med-crse w/clay, grey	15	27
Grvl; sand, med & clay, grey & brn	27	65
Sand, crse w/grvl, med & silt, grey	65	74
Grvl, med; clay, grey & sand, m-crse	74	133
Clay, grey w/sand, med & grvl.	133	138
Grvl, med-lg & sand, crse w/ clay	138	158
Grvl, lg & sand, crse	158	202
Clay, brn w/ grvl.	202	214
Grvl, lg, loose	214	230
Sand, med. w/clay brn.	230	260
Clay, grey, brn w/grvl, small-med	260	318
Clay, grey, w/sand & some grvl.	318	474
Cong, hd-grvl; clay, brn & sand	474	545
Grvl, med & sand, med-crse, brn& blk	545	624
Clay, grey w/grvl. & sand, med.	624	712
Grvl, med, multi-clrd w/sand	712	895
Clay, grey w/grvl, med.	895	1024
Clay, grey, silty w/ grvl, med.	1024	1064

*There is only 75' of screen from 750' to 850'. It consists of 5-12.5' long screens with 5' long casing between each screen.

RECEIVED
AUG 19 1991
DEPT. OF ECOLOGY

Work started 2/19/91, 19. Completed 7/31/, 19 91

WELL CONSTRUCTOR CERTIFICATION:

I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

NAME Schneider Equipment, Inc. (PERSON, FIRM, OR CORPORATION) (TYPE OR PRINT)
Address 21881 River Rd NE, St. Paul OR 97137
(Signed) Stephen Schneider (WELL DRILLER) License No. 0643
Contractor's Registration No. SCHNEI*226LG Date 8/12, 19 91

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20 (10/87) -1329- 3

File Original and First Copy with Department of Ecology
Second Copy—Owner's Copy
Third Copy—Driller's Copy

WATER WELL REPORT

STATE OF WASHINGTON

024506 Start Card No.

Water Right Permit No. G1-25492

(1) OWNER: Name Silverdale Water District #16 Address P.O. Box 493 Silverdale, WA. 98383

(2) LOCATION OF WELL: County Kitsap SE ¼ of SW ¼ Sec. 19 T. 25 N., R. 1E W.M

(2a) STREET ADDDRESS OF WELL (or nearest address) approx. 150 yds NW of Dickey Rd - Newberry Hill Rd. intersection

(3) PROPOSED USE: ☐ Domestic ☐ Industrial ☐ Municipal ☐ ☐ Irrigation ☐ Test Well ☒ Other ☐ ☐ DeWater

(4) TYPE OF WORK: Owner's number of well (if more than one) ~~Dickey~~ Wixson Road No. 1

Abandoned ☐ New well ☒ Method: Dug ☐ Bored ☐ Deepened ☐ Cable ☐ Driven ☐ Reconditioned ☐ Rotery ☒ Jetted ☐

(5) DIMENSIONS: Diameter of well 8 inches. Drilled 1200 feet. Depth of completed well 988 ft.

(6) CONSTRUCTION DETAILS:

Casing Installed: 8 " Diam. from +3.5 ft. to 995.5 ft. except at screens
Welded ☒ Liner installed ☐ Threaded ☐
" Diam. from ft. to ft.
" Diam. from ft. to ft.

Perforations: Yes ☐ No ☒
Type of perforator used
SIZE of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

Screens: Yes ☒ No ☐
Manufacturer's Name Johnson Filtration
Type Model No.
Diam. 8 ps Slot size .050 from 835 ft. to 865 ft.
Diam. 8 ps Slot size .020 from 890 ft. to 910 ft.
Diam 8 ps slot .050 from 940 to 970
Gravel packed: Yes ☐ No ☒ Size of gravel
Gravel placed from ft. to ft.

Surfece seal: Yes ☒ No ☐ To what depth? 20 ft.
Material used in seal cement w/bent
Did any strata contain unusable water? Yes ☐ No ☐
Type of water? Depth of strata
Method of sealing strata off

(7) PUMP: Manufacturer's Name
Type: H.P.

(8) WATER LEVELS: Land-surface elevation above mean sea level approx. 540 ft.
Static level 481.2 ft. below top of well Date 2/19/90
Artesian pressure lbs. per square inch Date
Artesian water is controlled by (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☒ No ☐ If yes, by whom? SEI
Yield: 160 gal./min. with 19.2 ft. drawdown after 1 hrs.
" 160 " 20.5 " 8 "
" 160 " 21.0 " 24 "
Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level
5 min	486.7	28	483.5	90	481.9
10	485.7	40	482.9	120	481.7
16	484.8	60	482.3	160	481.6

Date of test 2/19 - 20/90
Bailer test gal./min. with ft. drawdown after hrs.
Airtest gal./min. with stem set at ft. for hrs.
Artesian flow g.p.m. Date
Temperature of water 55-60° Was a chemical analysis made? Yes ☐ No ☒

(10) WELL LOG or ABANDONMENT PROCEDURE DESCRIPTION

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of information.

MATERIAL	FROM	TO
Gvl, 3"- & sand w/clay	0	3
Gvl & sand, cem	3	10
Gvl, 3"- & sand w/clay	10	15
Clay, tan w/gvl & sand	15	39
Gvl, 2"- & sand, crse	39	273
Sand, crse w/ some gvl	273	281
Clay, silty-sandy, brown	281	298
Sand & gvl, some cem & occ. clay - silt	298	532
Clay, grey	532	550
Gvl & sand, cem w/clay, brown	550	585
Clay, grey & brown, soft	585	597
Gvl & sand, cem, some clay	597	614
Gvl, loose	614	620
Gvl & sand, cem, some clay	620	655
Clay, grey & gvl & sand	655	668
Clay, grey, silty w/some gvl	668	688
Gvl & sand, cem, some clay	688	697
Clay, grey & claystone, blue & gvl	697	729
Clay, blue w/some gvl	729	765
Gvl w/clay, brown & claystone	765	795
Gvl, 1"- & sand,crse	795	814
Sand, brn, crse - med w/clay & gvl	814	954
(fluid loss 834 - 844 & 895 - 954)		
Gvl & sand, crse, brn	954	984
Gvl & sand crse, brn w/clay	984	1014
Clay, soft, grey w/some gvl & sand	1014	1025
Clay, grey, soft	1025	1085
Clay, brn & grey, soft, occ. gvl & sand	1085	1154
Clay, grey w/some sand	1154	1174
Clay, grey	1174	1200

Work started 1/2/90 19. Completed 2/21 19 90

WELL CONSTRUCTOR CERTIFICATION:

I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

NAME Schneider Equipment, Inc. (PERSON, FIRM, OR CORPORATION) (TYPE OR PRINT)
Address 21881 River Road N.E. St. Paul, OR. 97137
(Signed) Stephen Schneider (WELL DRILLER) License No. 0643
Contractor's Registration No. SCHNEI*226LG Date 3/5 19 90

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20 (10/87) -1329-

SEI 9002

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

STATE OF WASHINGTON
DEPARTMENT OF CONSERVATION
DIVISION OF WATER RESOURCES

WELL LOG

Record by Driller
Source Well Report

Location State of WASHINGTON
County KITSAP
Area —
Map —

NW¼ SE¼ ¼ NE¼ sec 20 T. 26 N., R. 2 E. W.

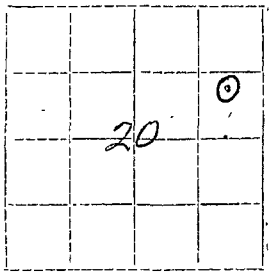


Diagram of Section

26/2E-20H
File number

Drilling Co. Burt Well Drilling
Address Rt # 1, Box 283 Poulsbo, Wa
Method of Drilling Unk Date 11-6, 19 70
Owner City of Squamish, Squamish Wa
Address
Land surface, datum ft. above / below
SWL: 230' Date 11-6-70, 19 Dims: 8" x 466

CORRELATION	Municipal MATERIAL	From (feet)	To (feet)
	Clay, yellow-br, sandy	0	49'
	Sand, dry, brown, (compact)	49	60'
	Sand, brown, w/ clay binder	60	95'
	Clay, brown	95'	100'
	Sand, brown (seep)	100	101'
	Clay, blue	101	127'
	Sand, brown & clay (seep)	127	130'
	Hardpan, blue	130	135'
	Clay, blue	135'	140'
	Clay, blue	140	190'
	Clay, blue	190	195'
	Clay, brown – silty (Str.)	195	200'
	Clay, blue	200	240'
	Clay, blue	240	271
	Silt, blue	271	275

(Transcribe driller's terminology literally but paraphrase as necessary, in parentheses If material water-bearing, so state and record static level if reported Give depths in feet below land-surface datum unless otherwise indicated Correlate with stratigraphic column, if feasible Following log of materials, list all casings, perforations, screens, etc.)

Turn up

Sheet . . . of . . . sheets

artment of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

WELL LOG.—Continued No. 26/2E-20H

CORRELATION	MATERIAL	From (feet)	To (feet)
	Depth forward	275	
	Silt, blue	275	276
	Sand, fine & water-bearing	276	282
	Clay & sand stringers	282	290
	Clay & sand stringers	290	300
	Clay & sand stringers	300	309
	Sand, fine (W.B)	309	311
	Sand, cemented gray	311	329
	Sand, cemented, gray	329	349
	Clay, blue	349	351
	" "	351	377
	Silt, blue	377	380
	Clay, blue	380	385
	Silt, blue	385	405
	" "	405	408
	Clay, blue, silty	408	415
	Sand, W.B	415	460
	Casing: 8"	0	460
	Screens: Cook-SS		
	8" Slot Size 14	445	460
	Surface Seal - cement	0	10'
	Pump Test: Yield:		
	196 gpm, 138' DD @ 11 hrs		
	Recovery Data		
	1 min - 30 sec - 230'	11/6/70	

S. F. No. 7449—OS—12-65.

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT
STATE OF WASHINGTON AAA712

Application No. ....
Permit No. ....

(1) **OWNER:** Name City of Sunnanish Address Sunnanish, Washington 98292

(2) **LOCATION OF WELL:** County Kitsap — SE ¼ NE ¼ Sec. 20 T. 26 N., R. 02E W.M.

Bearing and distance from section or subdivision corner

(3) **PROPOSED USE:** Domestic ☐ Industrial ☐ Municipal ☒
Irrigation ☐ Test Well ☐ Other ☐

(4) **TYPE OF WORK:** Owner's number of well (if more than one) Pine St. #1
New well ☒ Method: Dug ☐ Bored ☐
Deepened ☐ Cable ☐ Driven ☐
Reconditioned ☐ Rotary ☐ Jetted ☐

(5) **DIMENSIONS:** Diameter of well 8 inches.
Drilled 460 ft. Depth of completed well 460 ft.

(6) **CONSTRUCTION DETAILS:**

Casing installed: 8 " Diam. from 0 ft. to 460 ft.
Threaded ☐ " Diam. from ft. to ft.
Welded ☒ " Diam. from ft. to ft.

Perforations: Yes ☐ No ☒
Type of perforator used
SIZE of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

Screens: Yes ☒ No ☐
Manufacturer's Name Cook
Type Stainless Steel Model No.
Diam. 8 Slot size 14 from 440 ft. to 460 ft.
Diam. Slot size from ft. to ft.

Gravel packed: Yes ☐ No ☒ Size of gravel:
Gravel placed from ft. to ft.

Surface seal: Yes ☒ No ☐ To what depth? 10 ft.
Material used in seal Cement
Did any strata contain unusable water? Yes ☐ No ☒
Type of water? Depth of strata
Method of sealing strata off

(7) **PUMP:** Manufacturer's Name
Type: H.P.

(8) **WATER LEVELS:** Land-surface elevation above mean sea level ≈303 ft.
Static level 130 ft. below top of well Date 11-6-70
Artesian pressure lbs. per square inch Date
Artesian water is controlled by (Cap, valve, etc.)

(9) **WELL TESTS:** Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☒ No ☐ If yes, by whom? Driller
Yield: 196 gal./min. with 138 ft. drawdown after 1 hrs.
" " "
" " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level
1 Min. 30 Sec.	back to static				

Date of test 11-6-70
Bailer test gal./min. with ft. drawdown after hrs.
Artesian flow g.p.m. Date
Temperature of water Was a chemical analysis made? Yes ☐ No ☐

(10) **WELL LOG:**

Formation: *Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.*

MATERIAL	FROM	TO
Sandy Yellow Brown Clay	0	49
Dry Brown Sand (compacted)	49	60
Brown sand, clay binder	60	95
Brown Clay	95	100
Brown Sand (seep)	100	101
Blue Clay	101	127
Brown Sand Clay (seep)	127	130
Blue hardpan	130	135
Blue Clay	135	140
Blue Clay	140	190
Blue Clay	190	195
Brown Clay - silt stringers	195	200
Blue Clay	200	240
Blue Clay	240	271
Blue Silt	271	275
Blue Silt	275	276
Fine Sand Water	276	280
Clay & Sand Stringers	280	290
Clay & Sand Stringers	290	300
Clay & Sand stringers	300	309
Fine Sand & Water	309	311
Grey cemented Sand	311	329
Grey cemented Sand	329	349
Blue Clay	349	351
Blue Clay	351	377
Blue Silt	377	380
Blue Clay	380	385
Blue Silt	385	405
Blue Silt	405	408
Silty Blue Clay	408	415
Sand Water	415	480

Work started Sept. 10, 1970 Completed Nov. 6, 1970

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME Burt Well Drilling
(Person, firm, or corporation) (Type or print)

Address Route 1, Box 283 Poulsbo, Wash.

[Signed] George D. Burt
(Well Driller)

License No. 223-02-6084 Date Nov. 9, 1970

(USE ADDITIONAL SHEETS IF NECESSARY)

S. F. No. 7356—(Rev. 2-66)—2-66—5M, 4516.

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

X KPUD - Suquamish
Pine St. #1 (SU1)(SO3)

WASHINGTON STATE DEPARTMENT OF ECOLOGY

ENTERED
6/2 M
updated

AAN 387018021000 2
UNIQUE WELL I.D. NUMBER A A A 7 1 2
X Y Z 1 2 3

WELL TAGGING FORM

Date of Field Visit 9/25/92 By JRL, KPUD

RECORD VERIFICATION

- ☐ Well Report available *(please attach)*
- ☐ Well Report not available
- ☐ Verification inconclusive

WELL OWNERSHIP

Name Kitsap County PUD #1

Street address 1431 Finn Hill Road

City Poulsbo State WA 98370

Is this information: ☑ Current, to the best of your knowledge
☐ Copied from the *Well Report*

LOCATION OF WELL

Well Address Pine St. : Lot 27, Block 18

City Suquamish County Kitsap

T. 26 N. R. 02E W.M. Sec. 20H SE ¼ of the NE ¼

GPS Location: Latitude 47° 43' 56.91" N
GOOGLE EARTH 8/16/11 Longitude 122° 34' 0.75" W

Elevation at land surface ≈303 (feet)/meters *(circle one)*
FROM ALIMETER READING FOR WELL #2 AAA713

- ☑ Digital Altimeter
- ☐ Topographic Map
- ☐ Other

If unable to verify location with GPS equipment:

- ☐ Location marked on topographic map *(please attach if available)*
- ☐ Location marked on air photo *(please attach if available)*

Please attach this form to the Well Report and submit it to the Department of Ecology Regional Office in your area.

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

26/02-20H

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT
STATE OF WASHINGTON

Application No. .....
Permit No .....

(1) OWNER: Name Suquamish Well No. 2 (PINE) (KPUD) Address Port Orchard, Washington 98366

(2) LOCATION OF WELL: County Kitsap SE ¼ NE ¼ Sec. 20 T. 26 N., R. 2E W.M.

Bearing and distance from section or subdivision corner .....

(3) PROPOSED USE: Domestic ☐ Industrial ☐ Municipal ☒
Irrigation ☐ Test Well ☐ Other ☐

(4) TYPE OF WORK: Owner's number of well (if more than one) No. 2
New well ☒ Method: Dug ☐ Bored ☐
Deepened ☐ Cable ☒ Driven ☐
Reconditioned ☐ Rotary ☐ Jetted ☐

(5) DIMENSIONS: Diameter of well 8 inches.
Drilled 473 ft. Depth of completed well 473 ft.

(6) CONSTRUCTION DETAILS:

Casing installed: 12 " Diam. from 0 ft. to 293 ft.
Threaded ☐ 8 " Diam. from 0 ft. to 473 ft.
Welded ☒ " Diam. from ft. to ft.

Perforations: Yes ☐ No ☒
Type of perforator used .....
SIZE of perforations ..... in. by ..... in.
..... perforations from ..... ft. to ..... ft.
..... perforations from ..... ft. to ..... ft.
..... perforations from ..... ft. to ..... ft.

Screens: Yes ☒ No ☐
Manufacturer's Name Johnson
Type Stainless steel Model No. .....
Diam. 8 Slot size 15 from 426 ft. to 441 ft.
Diam. 8 Slot size 80 from 454 ft. to 459 ft.

Gravel packed: Yes ☐ No ☒ Size of gravel: .....
Gravel placed from ..... ft. to ..... ft.

Surface seal: Yes ☒ No ☐ To what depth? 19 ft.
Material used in seal Bentonite
Did any strata contain unusable water? Yes ☐ No ☒
Type of water? ..... Depth of strata .....
Method of sealing strata off .....

(7) PUMP: Manufacturer's Name .....
Type: ..... H.P. .....

(8) WATER LEVELS: Land-surface elevation above mean sea level ~302 ft.
Static level 234 ft. below top of well Date 10/21/85
Artesian pressure ..... lbs. per square inch Date .....
Artesian water is controlled by ..... (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☒ No ☐ If yes, by whom? Burt
Yield: 100 gal./min. with 9 ft. drawdown after 0.3 hrs.
" 200 " " 17 " " 1.5 "
" 300 " " 28 " " 4.0 "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level
12:33	Pump off	12:39	239.9	12:50	239.3
12:37	240.2	12:43	239.5		
12:38	240.0	12:47	239.4		

Date of test 10/18/85
Baller test ..... gal./min. with ..... ft. drawdown after ..... hrs.
Artesian flow ..... g.p.m. Date .....
Temperature of water 49° Was a chemical analysis made? Yes ☒ No ☐

(10) WELL LOG:

Formation: *Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.*

MATERIAL	FROM	TO
Brown sand, dry	0	7
Brown silty sand	7	19
Gray silty clay	19	23
Brown silty sand	23	45
Brown sand	45	77
Brown silty sand	77	85
Brown sand	85	90
Brown sandy clay	90	97
Gray clay	97	122
Gray sandy silt	122	233
Gray clayey silt	233	258
Gray silty sand	258	325
Gray silt	325	385
Gray silty fine sand	385	400
Gray silt, silty sand	400	418
Gray sand, trace gravel	418	453
Sand and gravel	453	459
Gray gravelly sand	459	462
Gray fine sand, trace silt	462	473

Work started 8/23, 19 85 Completed 10/1, 1985

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME Burt Well Drilling, Inc. (Person, firm, or corporation) (Type or print)

Address 19282 N.E. Lincoln Rd. Poulsbo Wa. 98370

[Signed] George D. Burt (Well Driller)

License No. 0048 Date Nov., 19 85

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

Bruner, Marian (ECY)

From: Marty Sebren [marty@kpud.org]
Sent: Tuesday, February 23, 2010 3:05 PM
To: Bruner, Marian (ECY)
Subject: Well Logs contact

To Whom It May Concern:

In the table below I have associated **well_log_id** with **well_tag_nr** for a number of older Kitsap PUD well logs where your system currently lacks the well_tag_nr. Please update your system with the **well_tag_nr** provided here.

well_log_id	well_tag_nr	well_depth_qt	well_diameter_qt	well_owner_nm
66900	AAA106	212	12	KITSAP COUNTY PUD
66901	AAC799	364	12	KITSAP COUNTY PUD #1
66902	AAA111	1030	6	KITSAP COUNTY PUD #1
66903	AAA110	402	8	KITSAP COUNTY PUD #1
66904	AAA012	805	10	KITSAP COUNTY PUD #1
66905	AAA014	338	12	KITSAP COUNTY PUD NO. 1
66910	AAC340	1070	6	KITSAP PUD #1
66912	ACK363	375	6	KITSAP PUD #1
66913	AAA102	466	6	KITSAP PUD #1
66914	AAA015	329	12	KITSAP PUD #1
66915	AAA710	330	22	KITSAP PUD NO. 1
66916	AAA013	335	16	KITSAP PUD NO. 1
278452	AAA707	809	16	KITSAP PUD NO. 1
69371	AAB416		8	PUD #1, KITSAP COUNTY
69372	AAB471	239	12	PUD NO 1 OF KITSAP COUNTY
69373	AAA717	587	8	PUD NO 1 OF KITSAP COUNTY
69374	AAB406	414	12	PUD NO. 1 OF KITSAP CO.
70898	AAA713	473	8	SUQUAMISH WELL NO. 2 (KPUD)

Martin B. Sebren, L.H.G.

Public Utility District No. 1 of Kitsap County

PO Box 1989

Poulsbo, WA 98370

Office: (360) 626-7722

Cell: (360) 265-6553

Fax: (360) 697-4197

e-mail: sebe@kpud.org

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT
STATE OF WASHINGTON

26/2-8Q

Application No.

Permit No. GI-23789P

(1) OWNER: Name P.U.D. NO 1 OF KITSAP COUNTY Address PO Box 641 PORT ORCHARD, WA.

(2) LOCATION OF WELL: County KITSAP SW ¼ SE ¼ Sec 8Q T 26 N., R 2E W.M.

Bearing and distance from section or subdivision corner ~1400'W, ~70'N OF SE COR OF SEC 8

(3) PROPOSED USE: Domestic ☐ Industrial ☐ Municipal ☒
Irrigation ☐ Test Well ☒ Other ☐

(4) TYPE OF WORK: Owner's number of well (if more than one) 5
New well ☒ Method: Dug ☐ Bored ☐
Deepened ☐ Cable ☒ Driven ☐
Reconditioned ☐ Rotary ☐ Jetted ☐

(5) DIMENSIONS: Diameter of well 8 inches.
Drilled 605 ft. Depth of completed well 590.4 ft.

(6) CONSTRUCTION DETAILS:

Casing installed: 8 " Diam. from +2 ft. to 362 ft.
Threaded ☐ 6 " Diam. from 336 ft. to 570 ft.
Welded ☒ " Diam. from ft. to ft.

Perforations: Yes ☐ No ☒
Type of perforator used
SIZE of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

Screens: Yes ☒ No ☐
Manufacturer's Name JOHNSON
Type 304 STAINLESS Model No. WATERMARK
Diam. 6" TEL Slot size 15 from 567.7 ft. to 583.5 ft.
Diam. Slot size from ft. to ft.

Gravel packed: Yes ☐ No ☒ Size of gravel:
Gravel placed from ft. to ft.

Surface seal: Yes ☒ No ☐ To what depth? 19.5 ft.
Material used in seal CONCRETE
Did any strata contain unusable water? Yes ☐ No ☒
Type of water? Depth of strata
Method of sealing strata off

(7) PUMP: Manufacturer's Name NONE YET
Type: H.P.

(8) WATER LEVELS: Land-surface elevation above mean sea level ≃230 ft.
Static level 188.7 ft. below top of well Date 11/12/81
Artesian pressure lbs. per square inch Date
Artesian water is controlled by (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level ROBINSON
Was a pump test made? Yes ☒ No ☐ If yes, by whom? NOBLE
Yield: 243 gal./min. with 67.1 ft. drawdown after 24 hrs.
" " " "
" " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level
10 MIN	210.8	59	208.1	4310.	187.5
20	209.9	120	206.4		
40	208.8	357	201.7		

Date of test 11/12/81
Bailer test gal./min. with ft. drawdown after hrs.
Artesian flow g.p.m. Date
Temperature of water 52 Was a chemical analysis made? Yes ☒ No ☐

(10) WELL LOG:

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL	FROM	TO
BROWN SAND AND GRAVEL	0	30
GRAY SAND	30	41
GRAY SAND AND GRAVEL	41	67
GRAY CLAY, SLIGHTLY SILTY	67	154
GRAY PEBBLY SILT	154	182
GRAY CLAYEY SILT	182	256
GRAY THINNLY BEDDED SILT	256	387
GRAY PEBBLY SILT	387	392
GRAY SILTY SAND WITH OCCASIONAL GRAVEL, WATER BEARING	392	413
SANDY SILT WITH LAYERS OF DARK GRAY SILTY CLAY WITH PEAT	413	448
GRAY MEDIUM SAND WITH OCCASIONAL GRAVEL, WATER BEARING, ZONES OF WOOD FLECKS	448	579
GRAY MEDIUM SAND WITH PEA GRAVEL, WATER BEARING	579	581
GRAY MEDIUM SAND WITH CLAY AND PEA GRAVEL, WATER BEARING	581	583
GRAY MEDIUM SAND WITH OCCASIONAL GRAVEL, WATER BEARING	583	592
GRAY SAND, SILT, CLAY WITH OCCASIONAL GRAVEL, WATER BEARING.	592	597
GRAY TILL	597	605

DEC 21 1982
DEPT. OF ECOLOGY

PREPARED BY:
MARTIN B SEBREN
ROBINSON & NOBLE, INC.

Work started 8/18 19 81 Completed 2/16 19 82

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME Burt Well Drilling Inc.
(Person, firm, or corporation) (Type or print)

Address Rt 1 Box 283 Poulsbo Wa. 98370

[Signed] George D. Burt
(Well Driller)

License No. 0048 Date Feb 24, 1982

(USE ADDITIONAL SHEETS IF NECESSARY)

S. F. No. 7356—OS—(Rev. 4-71).

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

WASHINGTON STATE DEPARTMENT OF ECOLOGY

Site I.D 475231223402 02

X ~~NW~~ SW Lincoln Rd. (SOUTH) WELL 1

ENTERED EVS 01-30-97 later

UNIQUE WELL I.D. NUMBER AAA716 (X Y Z 1 2 3)

WELL TAGGING FORM

Date of Field Visit 9/25/92 By JKL

RECORD VERIFICATION

- ☑ Well Report available *(please attach)*
- ☐ Well Report not available
- ☐ Verification inconclusive

WELL OWNERSHIP

Name Kitsap County PUD #1

Street address 1421 Finn Hill Road

City Poulsbo State WA 98370

LOCATION OF WELL

Well Address 1100' E. 500' S. N. of E¼ corner Sec. 7

City Suquamish County Kitsap

T. 26 N. R. 02E W.M. Sec. 08Q ¼ SW ¼ SE

GPS Location: Latitude 47° 45' 12.04 ~~13~~" N

GOOGLE EARTH 8/16/11 Longitude 122° 34' 10.86 ~~08~~" W

Elevation 230' feet/meters *(circle one)*

LIDAR ~ 235'

- ☐ Digital Altimeter
- ☐ Topographic Map
- ☑ Other Engineer Report

If unable to verify location with GPS equipment:

- ☐ Location marked on topographic map *(please attach if available)*
- ☐ Location marked on air photo *(please attach if available)*

26/02-10K

File Original and First Copy with Department of Ecology
Second Copy -- Owner's Copy
Third Copy -- Driller's Copy

WATER WELL REPORT
STATE OF WASHINGTON

Application No. .....
Permit No .....

(1) OWNER: Name PUD No. 1 of KITSAP Co. Address .....

(2) LOCATION OF WELL: County KITSAP — SE ¼ SE ¼ Sec 10 R. T. 2E N., R. 26 W.M.

Bearing and distance from section or subdivision corner 1250' W AND 350' N OF SE COR SEC 10.

(3) PROPOSED USE: Domestic ☐ Industrial ☐ Municipal ☑
Irrigation ☐ Test Well ☐ Other ☐

(4) TYPE OF WORK: Owner's number of well (if more than one) WELL 1A
New well ☑ Method: Dug ☐ Bored ☐
Deepened ☐ Cable ☑ Driven ☐
Reconditioned ☐ Rotary ☐ Jetted ☐

(5) DIMENSIONS: Diameter of well 12 inches.
Drilled 415 ft. Depth of completed well 414.6 ft.

(6) CONSTRUCTION DETAILS:

Casing installed: 12" Diam. from +2 ft. to 273 ft.
Threaded ☐ ..." Diam. from ... ft. to ... ft.
Welded ☑ ..." Diam. from ... ft. to ... ft.

Perforations: Yes ☐ No ☑
Type of perforator used .....
SIZE of perforations ... in. by ... in.
... perforations from ... ft. to ... ft.
... perforations from ... ft. to ... ft.
... perforations from ... ft. to ... ft.

Screens: Yes ☑ No ☐
Manufacturer's Name UOP JOHNSON
Type WATERMARK, S.S. Model No .....
Diam. 6"PS Slot size 35 from 271.3 ft. to 302.0 ft.
Diam. 6"PS Slot size 35 from 355.5 ft. to 371.0 ft.
6"PS 35 386.0 396.0

Gravel packed: Yes ☑ No ☐ Size of gravel: F-9 SAND
Gravel placed from 241 ft. to 414.6 ft.

Surface seal: Yes ☑ No ☐ To what depth? 65 ft.
Material used in seal NEAT CEMENT
Did any strata contain unusable water? Yes ☐ No ☑
Type of water? ... Depth of strata. ...
Method of sealing strata off .....

(7) PUMP: Manufacturer's Name .....
Type: ... H.P. ...

(8) WATER LEVELS: Land-surface elevation above mean sea level 110 ft.
Static level 81.5 ft. below top of well Date 12/6/84
Artesian pressure ... lbs. per square inch Date ...
Artesian water is controlled by ... (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level ROBINSON
Was a pump test made? Yes ☐ No ☐ If yes, by whom? + NOBLE
Yield: 300 gal./min. with 96.4 ft. drawdown after 24 hrs.
" " " "
" " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level
0	177.8	30	101.5	180	94.6
10 MIN	106.4	60	98.9	4,320	81.5
20	103.0	124	96.1		

Date of test 12/6-7/84
Baller test ... gal./min. with ... ft. drawdown after ... hrs.
Artesian flow ... g.p.m. Date ...
Temperature of water 50½ Was a chemical analysis made? Yes ☑ No ☐

(10) WELL LOG:

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL	FROM	TO
BROWN M. SAND	0	4
GRAY CLAY, SAND AND GRAVEL	4	8
GRAY F. SILTY SAND	8	12
BROWN M. SAND, SILTY, OCCASIONAL SMALL GRAVEL	12	27
GRAY SANDY PEBBLEY SILT AND SANDY SILTY CLAY.	27	52
GRAY M. SILTY SAND, LAYERED WITH SILT, W.B.	52	63
GRAY F. to M. SILTY SAND, OCC. GRAVEL AND WOOD. W.B.	63	69
DARK GRAY PEBBLEY, PEATY, SANDY SILT.	69	74
GRAY SILTY CLAY	74	90
GRAY CLAY WITH PEA GRAVEL	90	96
GRAY CLAY, OCC. WOOD OR PEAT	96	123
GRAY CLAY W/ VARIABLE GRAVEL OCC. WOOD OR PEAT FROM 123 TO 148. SOME SAND SEAMS 172 to 185. GRADE TO SILT BY 210'.	123	233
GRAY M. SAND, GRADES TO F.-M. SAND W/ SILT LAYERS.	233	243
GRAY SAND, GRAVEL, SILT AND CLAY, TILL-LIKE. INTERLAYERED W/ THIN W.B. SAND AND GRAVEL	243	324
GRAY, SANDY, CLAYEY SILT.	324	328
GRAY, SILTY CLAY.	328	347
GRAY CLAY AND GRAVEL	347	353
SAME AS 243 TO 324'	353	397
LAYER OF PEAT	397	
GRAY SAND GRAVEL AND CLAY	397+	415

PREPARED BY:
ROBINSON & NOBLE, INC.
mbs

Work started SEPT, 1984 Completed DEC. 1984

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME RICHARDSON WELL DRILLING
(Person, firm, or corporation) (Type or print)

Address .....

[Signed] ... (Well Driller) JAN 11 1985

License No. 0411 Date 12/26, 1984

ORIGINAL SIGNED BY DRILLER

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

Bruner, Marian (ECY)

From: Marty Sebren [marty@kpud.org]
Sent: Tuesday, February 23, 2010 3:05 PM
To: Bruner, Marian (ECY)
Subject: Well Logs contact

To Whom It May Concern:

In the table below I have associated **well_log_id** with **well_tag_nr** for a number of older Kitsap PUD well logs where your system currently lacks the well_tag_nr. Please update your system with the **well_tag_nr** provided here.

well_log_id	well_tag_nr	well_depth_qt	well_diameter_qt	well_owner_nm
66900	AAA106	212	12	KITSAP COUNTY PUD
66901	AAC799	364	12	KITSAP COUNTY PUD #1
66902	AAA111	1030	6	KITSAP COUNTY PUD #1
66903	AAA110	402	8	KITSAP COUNTY PUD #1
66904	AAA012	805	10	KITSAP COUNTY PUD #1
66905	AAA014	338	12	KITSAP COUNTY PUD NO. 1
66910	AAC340	1070	6	KITSAP PUD #1
66912	ACK363	375	6	KITSAP PUD #1
66913	AAA102	466	6	KITSAP PUD #1
66914	AAA015	329	12	KITSAP PUD #1
66915	AAA710	330	22	KITSAP PUD NO. 1
66916	AAA013	335	16	KITSAP PUD NO. 1
278452	AAA707	809	16	KITSAP PUD NO. 1
69371	AAB416		8	PUD #1, KITSAP COUNTY
69372	AAB471	239	12	PUD NO 1 OF KITSAP COUNTY
69373	AAA717	587	8	PUD NO 1 OF KITSAP COUNTY
69374	AAB406	414	12	PUD NO. 1 OF KITSAP CO.
70898	AAA713	473	8	SUQUAMISH WELL NO. 2 (KPUD)

Martin B. Sebren, L.H.G.

Public Utility District No. 1 of Kitsap County

PO Box 1989

Poulsbo, WA 98370

Office: (360) 626-7722

Cell: (360) 265-6553

Fax: (360) 697-4197

e-mail: sebe@kpud.org

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

273030

26-2E-10N

WATER WELL REPORT

Original & 1st copy – Ecology, 2nd copy – owner, 3rd copy – driller

Construction/Decommission *("x" in circle)*

☒ Construction

☐ Decommission *ORIGINAL INSTALLATION*

Notice of Intent Number _____

PROPOSED USE: ☐ Domestic ☐ Industrial ☒ Municipal ☐ DeWater ☐ Irrigation ☐ Test Well ☐ Other _____

TYPE OF WORK: Owner's number of well (if more than one) Indianola Well 7

☒ New well ☐ Reconditioned *Method:* ☐ Dug ☐ Bored ☐ Driven ☐ Deepened ☒ Cable ☐ Rotary ☐ Jetted

DIMENSIONS: Diameter of well 8 inches, drilled 503 ft. Depth of completed well 495.5 ft.

CONSTRUCTION DETAILS

Casing ☒ Welded 12 " Diam. from -3.5 ft. to 337 ft.

Installed: ☒ Welded 8 " Diam. from +1.9 ft. to 475.5 ft.

☐ Threaded _____ " Diam. From _____ ft. to _____ ft.

Perforations: ☐ Yes ☒ No

Type of perforator used _____

SIZE of perfs _____ in. by _____ in. and no. of perfs _____ from _____ ft. to _____ ft.

Screens: ☒ Yes ☐ No ☒ K-Pac Location 469.4

Manufacturer's Name Alloy Machine Works

Type SS Model No. _____

Diam. 8 TS Slot size 25 from 473.8 ft. to 489.5 ft.

Gravel/Filter packed: ☐ Yes ☒ No Size of gravel/sand _____

Materials placed from ____ ft. to ____ ft.

Surface Seal: ☒ Yes ☐ No To what depth? 18 ft.

Material used in seal Bentonite

Did any strata contain unusable water? ☐ Yes ☒ No

Type of water? _____ Depth of strata _____

Method of sealing strata off _____

PUMP: Manufacturer's Name Gould

Type: SUB H.P. 15

WATER LEVELS: Land-surface elevation above mean sea level 182 ft.

Static level 162.7 ft. below MP Date 7/23/07

MP is 3.1 ft above ground.

Artesian water is controlled by _____ (cap, valve, etc.)

WELL TESTS: Drawdown is amount water level is lowered below static level

Was a pump test made? ☒ Yes ☐ No If yes, by whom? KPUD

Yield: 115 gal./min. with 112 ft. drawdown after 24 hrs.

Yield: _____ gal./min. with _____ ft. drawdown after _____ hrs.

Yield: _____ gal./min. with _____ ft. drawdown after _____ hrs.

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level
0	274.5	10	204.8	1264	174.2
1	202.8	20	203.3	2580	167.3
5	206.0	67	200.0	4200	164.2

Date of test 7/23/07

Bailer test _____ gal./min. with _____ ft. drawdown after _____ hrs.

Airtest _____ gal./min. with stem set at _____ ft. for _____ hrs.

Artesian flow _____ g.p.m. Date _____

Temperature of water _____ Was a chemical analysis made? ☒ Yes ☐ No

CURRENT

Notice of Intent No. W210108

Unique Ecology Well ID Tag No. AEC948

Water Right Permit No. G1-24394C

Property Owner Name PUD NO. 1 OF KITSAP COUNTY

Well Street Address _____

City Kingston County Kitsap

Location SW1/4-1/4 SW1/4 Sec 10 Twn 26 R 2E EWM ☒ Or WWM ☐

(s, t, r Still REQUIRED)

Lat/Long Lat Deg ____ Lat Min/Sec ____

Long Deg ____ Long Min/Sec ____

Tax Parcel No. (Required) 10260230512004

CONSTRUCTION OR DECOMMISSION PROCEDURE

Formation: Describe by color, character, size of material and structure, and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of information. (USE ADDITIONAL SHEETS IF NECESSARY.)

MATERIAL	FROM	TO
Gray brown sandy till some gravel	0	23
Gray silty sand some gravel	23	68
Gray fine to med silty sand some gravel WB	68	78
Gray silty clay	78	110
Gray silty sand some water	110	112
Gray silty sand and sandy silt, layers of water	112	123
Gray silty clay, occasional sandy layers with water,	123	294
shells and peaty sandy silt layers from 270		
Gray silty sand WB	294	298
Gray fine sandy silt, some silty fine sand with water	298	337
Gray silty clay	337	365
Gray clay gravelly	365	378
Gray/green gray sand gravel and silt some water	378	386
Light green/Gray green sandy silt and sandy clay	386	400
Gray silty sand and gravel, some water	400	410
Green gray sand gravel and clay, hard (till?)	410	413
Gray fine sandy silt, some sand seams with water	413	429
Gray silt bound sand and gravel to 3"	429	451
Gray silty clay	451	460
Gray sandy silt, layer of water at 465	460	465
Gray peaty sandy silt, thin water seams	465	475
Gray silty sand and gravel WB	475	492
Green gray silty clay	492	503

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SEP 07 2007

DEPT. OF ECOLOGY

Start Date 4/9/07 Completed Date 7/27/07

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

☒ Driller ☐ Engineer ☐ Trainee Name (Print) Dave Charon

Driller/Engineer/Trainee Signature Dave Charon

Driller or trainee License No. 1190

IF TRAINEE: Driller's License No: —

Driller's Signature: —

Drilling Company Charon Drilling, Inc.

Address 12719 224th Street East

City, State, Zip Graham , WA, 98354

Contractor's Registration No. CHARODI133NF Date 9-4-07

ECY 050-1-20 (Rev 4/07)

Ecology is an Equal Opportunity Employer

WATER WELL REPORT

DEPARTMENT OF ECOLOGY
State of Washington

page 1

Type of Work:
☒ Construction
☐ Decommission ⟹ Original installation NOI No. _____

Proposed Use: ☐ Domestic ☐ Industrial ☒ Municipal
☐ Dewatering ☐ Irrigation ☐ Test Well ☐ Other _____

Construction Type: **Method:**
☒ New well ☐ Alteration ☐ Driven ☐ Jetted ☒ Cable Tool
☐ Deepening ☐ Other _____ ☐ Dug ☐ Air- ☐ Mud-Rotary

Dimensions: Diameter of boring 12"/8" in., to 451 ft.
Depth of completed well 451 ft.

Construction Details:

Casing	Liner	Diameter	From	To	Wall Thickness	Steel	PVC	Welded	Thread
☒	☐	12 in.	+2	316	375 in.	☒	☐	☒	☐
☒	☐	8 in.	+2	438	322 in.	☒	☐	☒	☐
☐	☐	_____ in.	____	____	_____ in.	☐	☐	☐	☐
☐	☐	_____ in.	____	____	_____ in.	☐	☐	☐	☐

Perforations: ☐ Yes ☒ No Type of perforator used _____
No. of perforations _____ Size of perforations _____ in. by _____ in.
Perforated from _____ ft. to _____ ft. below ground surface

Screens: ☐ Yes ☒ No ☐ K-Packer ⟹ Depth _____ ft.
Manufacturer's Name _____
Type _____ Model No. _____
Diameter _____ in. Slot size _____ in. from _____ ft. to _____ ft.
Diameter _____ in. Slot size _____ in. from _____ ft. to _____ ft.

Sand/Filter pack: ☐ Yes ☒ No Size of pack material _____ in.
Materials placed from _____ ft. to _____ ft.

Surface Seal: ☒ Yes ☐ No To what depth? 18 ft.
Material used in seal BENTONITE
Did any strata contain unusable water? ☐ Yes ☒ No
Type of water? _____ Depth of strata _____
Method of sealing strata off _____

Pump: Manufacturer's Name _____ Type: _____
H.P. _____ Pump intake depth: _____ ft. Designed flow rate: _____ gpm

Water Levels: Land-surface elevation above mean sea level 245 ft.
Stick-up of top of well casing _____ ft. above ground surface
Static water level _____ ft. below top of well casing Date _____
Artesian pressure _____ lbs. per square inch Date _____
Artesian water is controlled by _____ (cap, valve, etc.)

Well Tests:
Was a pumping test performed? ☒ No ☐ Yes ⟹ by whom? _____
Yield _____ gpm with ____ ft. drawdown after _____ hrs.
Yield _____ gpm with ____ ft. drawdown after _____ hrs.
Yield _____ gpm with ____ ft. drawdown after _____ hrs.
Recovery data (time = zero when pump is turned off – water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

Date of pumping test _____
Bailer test _____ gpm with ____ ft. drawdown after ____ hrs.
Air test _____ gpm with stem set at _____ ft. for _____ hrs. } Date _____
Artesian flow _____ gpm
Temperature of water _____ ° F Was a chemical analysis made? ☐ Yes ☒ No

Notice of Intent No. WE32877
Unique Ecology Well ID Tag No. APP324
Site Well Name (if more than one well): Indianola Well #8
Water Right Permit/Certificate No. G1-24801 C
Property Owner Name PUD #1 of Kitsap County
Well Street Address Division Street Reservoir Property
City Indianola County Kitsap
Tax Parcel No. 4360-060-001-0108
Was a variance approved for this well? ☐ Yes ☒ No
If yes, what was the variance for? _____

Location (see instructions on page 2): ☐ WWM or ☒ EWM
SE ¼-¼ of the SE ¼; Section 10 Township 26N Range 2
Latitude (Example: 47.12345) 47.75318
Longitude (Example: -120.12345) -122.52075

Driller's Log/Construction or Decommission Procedure
Formation: Describe by color, character, size of material and structure, and the kind and nature of the material in each layer penetrated, with at least one entry for each change of information. Use additional sheets if necessary.

Material	From	To
Brown silty sand	0	16
Brown silty sand w/gravel & clay	16	44
Gray clay	44	63
Brown silty sand w/clay	63	102
Dark brown silty sand	102	119
Gray clay	119	123
Silty sand, little water	123	140
Hard gray clay, some gravel	140	150
Gray silty sand, some small black gravel	150	159
Gray silty sand, some small black gravel,w.b.	159	163
Fine silty sand, with wood, w.b.	163	183
Brown silt	183	187
Brown-gray clay with wood	187	201
Gray, green clay	201	217
Gray sticky clay & silt	217	219
Brown silty fine sand, w.b.	219	220
Gray silt	220	227
Gray clay, some gravel	227	228
Silty fine sand, w.b.	228	233
Clay w/gravel & sand	233	242
Gray clay	242	268
Fine silt & sand, w.b.	268	269
Silt & gray clay, w.b.	269	278
Gray clay	278	296
Fine silty sand, w.b.	296	305
Gray clay, wood & gravel	305	316
Gray clay	316	364
continued next page		

Start Date 9/18/18 Completed Date 1/15/19

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DEPT OF ECOLOGY
FEB 14 2019
WATER RESOURCES PROGRAM
NORTHWEST REGIONAL OFFICE

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

☒ Driller ☐ Trainee ☐ PE – Print Name Dave Charon
Signature Dave Charon
License No. 1190
IF TRAINEE: Sponsor's License No.
Sponsor's Signature

Drilling Company Charon Drilling, Inc.
Address 12719 - 224th Street East
City, State, Zip Graham, WA 98338
Contractor's
Registration No. CHARODi133NF Date 2/4/19

ECY 050-1-20 (Rev 11/18) *If you need this document in an alternate format, please call the Water Resources Program at 360-407-6872. Persons with hearing loss can call 711 for Washington Relay Service. Persons with a speech disability can call 877-833-6341.*

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report

WATER WELL REPORT

DEPARTMENT OF ECOLOGY
State of Washington

Page 2

Type of Work:
☒ Construction
☐ Decommission ⟹ Original installation NOI No. _____

Proposed Use: ☐ Domestic ☐ Industrial ☒ Municipal ☐ Dewatering ☐ Irrigation ☐ Test Well ☐ Other _____

Construction Type: ☒ New well ☐ Alteration ☐ Deepening ☐ Other _____

Method: ☐ Driven ☐ Jetted ☒ Cable Tool ☐ Dug ☐ Air- ☐ Mud-Rotary

Dimensions: Diameter of boring 12"/8" in., to 451 ft.
Depth of completed well 451 ft.

Construction Details:

Casing	Liner	Diameter	From	To	Wall Thickness	Steel	PVC	Welded	Thread
☒	☐	12 in.	+2	316	375 in.	☒	☐	☒	☐
☒	☐	8 in.	+2	438	322 in.	☒	☐	☒	☐
☐	☐	____ in.	____	____	____ in.	☐	☐	☐	☐
☐	☐	____ in.	____	____	____ in.	☐	☐	☐	☐

Perforations: ☐ Yes ☒ No Type of perforator used _____
No. of perforations _____ Size of perforations _____ in. by _____ in.
Perforated from _____ ft. to _____ ft. below ground surface

Screens: ☐ Yes ☒ No ☐ K-Packer ⟹ Depth _____ ft.
Manufacturer's Name _____
Type _____ Model No. _____
Diameter _____ in. Slot size _____ in. from _____ ft. to _____ ft.
Diameter _____ in. Slot size _____ in. from _____ ft. to _____ ft.

Sand/Filter pack: ☐ Yes ☒ No Size of pack material _____ in.
Materials placed from _____ ft. to _____ ft.

Surface Seal: ☒ Yes ☐ No To what depth? 18 ft.
Material used in seal BENTONITE
Did any strata contain unusable water? ☐ Yes ☒ No
Type of water? _____ Depth of strata _____
Method of sealing strata off _____

Pump: Manufacturer's Name _____ Type: _____
H.P. _____ Pump intake depth: _____ ft. Designed flow rate: _____ gpm

Water Levels: Land-surface elevation above mean sea level _____ ft.
Stick-up of top of well casing _____ ft. above ground surface
Static water level _____ ft. below top of well casing Date _____
Artesian pressure _____ lbs. per square inch Date _____
Artesian water is controlled by _____ (cap, valve, etc.)

Well Tests:
Was a pumping test performed? ☒ No ☐ Yes ⟹ by whom? _____
Yield _____ gpm with _____ ft. drawdown after _____ hrs.
Yield _____ gpm with _____ ft. drawdown after _____ hrs.
Yield _____ gpm with _____ ft. drawdown after _____ hrs.
Recovery data (time = zero when pump is turned off – water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

Date of pumping test _____
Bailer test _____ gpm with _____ ft. drawdown after _____ hrs.
Air test _____ gpm with stem set at _____ ft. for _____ hrs. } Date _____
Artesian flow _____ gpm
Temperature of water _____ ° F Was a chemical analysis made? ☐ Yes ☒ No

Notice of Intent No. WE 32877
Unique Ecology Well ID Tag No. App 324
Site Well Name (if more than one well): Indianola We;; #8 contin
Water Right Permit/Certificate No. G1-24801 C
Property Owner Name PUD #1 of Kitsap County
Well Street Address Division Street Reservoir Property
City Indianola County Kitsap
Tax Parcel No. 4360-060-001-0108
Was a variance approved for this well? ☐ Yes ☒ No
If yes, what was the variance for? _____

Location (see instructions on page 2): ☐ WWM or ☒ EWM
SE ¼-¼ of the SE ¼; Section 10 Township 26N Range 2
Latitude (Example: 47.12345) _____
Longitude (Example: -120.12345) _____

Driller's Log/Construction or Decommission Procedure
Formation: Describe by color, character, size of material and structure, and the kind and nature of the material in each layer penetrated, with at least one entry for each change of information. Use additional sheets if necessary.

Material	From	To
continued from page one		
Gray silt, fine sand	364	392
Gray clay	392	395
Fine silty sand, w.b.	395	409
Clay	409	413
Fine silty sand & clay, w.b.	413	431
Gray fine silty sand, seashells, w.b.	431	451

Start Date 9/18/18 Completed Date 1/15/19

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

☒ Driller ☐ Trainee ☐ PE – Print Name Dave Charon
Signature Dave Charon
License No. 1190
IF TRAINEE: Sponsor's License No.
Sponsor's Signature

Drilling Company Charon Drilling, Inc.
Address 12719 - 224th Street East
City, State, Zip Graham, WA 98338
Contractor's Registration No. CHARODi133NF Date 2/4/19

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of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

STATE OF WASHINGTON
DEPARTMENT OF CONSERVATION
AND DEVELOPMENT

Appli. 6683
No Permit 6277

WELL LOG

Date , 19

Record by Owner

Source

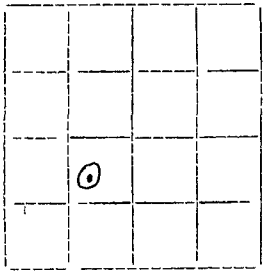


Diagram of Section

25/1E-25K1
File number

Location State of WASHINGTON

County Kitsap

Area 800' W and 900' S of

Map center of Sec. 25

SW¼NE¼ SW¼ sec 25 T 25 N R 1 E W

Drilling Co

Address

Method of Drilling Driven Date July 27 1965

Owner City of Bremerton

Address City Hall, Bremerton, Washington

Land surface, datum ft above below

CORRELATION	MATERIAL	THICKNESS (feet)	DEPTH (feet)
	(Transcribe driller's terminology literally but paraphrase as necessary in parentheses If material water bearing so state and record static level if reported Give depths in feet below land surface datum unless otherwise indicated Correlate with stratigraphic column if feasible Following log of materials list all casings perforations screens etc)		
	Municipal use		
	DIMS. 12" x 749'		
	Sand	8	8
	Gravel and clay	2	10
	Clay, brown and sand	54	64
	Clay, blue	20	84
	Clay, blue and sand	16	100
	Clay, blue, sand and pea gravel	15	115
	Hardpan	21	136
	Sand and gravel	5	141
	Clay, gray and gravel	4	145
	Hardpan	7	152
	Clay, light brown, fine gravel	18	170
	Clay, blue	136	306

Turn up Sheet of sheets

WELL LOG —Continued No / -

CORRELATION	MATERIAL	THICKNESS (feet)	DEPTH (feet)
	Depth forward	———	
	Clay and silt	8	314
	Clay	161	475
	Clay, blue	3	478
	Clay, gravel and sand	2	480
	Clay	1	481
	Sand, water bearing	15	496
	Sand and pea gravel	5	501
	Sand and gravel, water bearing	24	525
	Clay	55	580
	Gravel and sand	15	595
	Sand, gravel mixed	15	610
	Sand, fine with silt	2	612
	Sand, coarse, some pea gravel, water saturated	100	712
	Sand, coarse, mixed gravel	712	744
	Water to static level 269'		
	Sand, gravel, rocks	1	745
	Sand, gravel hard packed	4	749
	Casing. 12" from 0-552'		
	8" from 552-749'		
	Perforated from 739-749'		
	Screen installed from 724-739'		
	SWL. 266'		
	Yield 250 gpm with 63' DD after 8 hrs.		
	Recovery instantaneous		
	Pump Pamona 75 h.p. - 8" deep well turbine		

S F No 7449—OS—6 61—2M

of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

File Original and First Copy with the Division of Water Resources
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT
STATE OF WASHINGTON

Start Application No. 006789
Permit No. 25/1/26 H

(1) OWNER: Name City of Bremerton Address 3027 Olympus Dr., Bremerton WA 98310

(2) LOCATION OF WELL: County Kitsap – SE ¼ NE ¼ Sec. 26N T. 25 N., R. 1E W.M.

Bearing and distance from section or subdivision corner

(3) PROPOSED USE: Domestic ☐ Industrial ☐ Municipal ☒
Irrigation ☐ Test Well ☒ Other ☐

(4) TYPE OF WORK: Owner's number of well (if more than one) ....
New well ☒ Method: Dug ☐ Bored ☐
Deepened ☐ Cable ☒ Driven ☐
Reconditioned ☐ Rotary ☐ Jetted ☐

(5) DIMENSIONS: Diameter of well 12 inches.
Drilled 582 ft. Depth of completed well 380 ft.

(6) CONSTRUCTION DETAILS:
Casing installed: 12" Diam. from +2.9 ft. to 352.9 ft.
Threaded ☐ ." Diam. from ft. to ft.
Welded ☒ ." Diam. from ft. to ft.

Perforations: Yes ☐ No ☒
Type of perforator used
SIZE of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

Screens: Yes ☒ No ☐
Manufacturer's Name Houston Well Screens
Type Stainless Model No.
Diam. 10-8.5 Slot size 80 from 349.5 ft. to 370.0 ft.
Diam. Slot size from ft. to ft.

Gravel packed: Yes ☐ No ☒ Size of gravel:
Gravel placed from ft. to ft.

Surface seal: Yes ☒ No ☐ To what depth? 18 ft.
Material used in seal Pea gvl and Cement
Did any strata contain unusable water? Yes ☐ No ☒
Type of water? Depth of strata
Method of sealing strata off

(7) PUMP: Manufacturer's Name
Type: H.P.

(8) WATER LEVELS: Land-surface elevation above mean sea level ± 160 ft.
Static level [redacted] 120.5 ft. below top of well Date 7/26/89
Artesian pressure lbs. per square inch Date
Artesian water is controlled by (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☒ No ☐ If yes, by whom? R+N
Yield: 508 gal./min. with 59.0 ft. drawdown after 1 hrs.
" 508 " 70.2 " 10 "
" 508 " 75.8 " 24 "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level
0	196.3	60	130.4	6284	122.4
10	133.1	452	127.1		
30	131.5	1552	124.2		

Date of test 7/26 - 7/27/89
Bailer test gal./min. with ft. drawdown after hrs.
Artesian flow g.p.m. Date
Temperature of water 43° Was a chemical analysis made? Yes ☒ No ☐

(10) WELL LOG:
Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL	FROM	TO
Gray sandy clay + gvl	0	33
Gray clay, occ. gvl	33	66
Blue-gray, sandy clay	60	71
Brwn sandy clay, occ. gvl	71	93
Brwn sand and gvl	93	107
Blue-gray sand, gvl & silt (till?)	107	109
Gray fine silty sand & sandy silt, water	109	185
Gray silty clay and clayey silt	185	336
Gray sand & gvl with silt layers, water	336	356
Brwn sand & gvl with silt layers, water	356	376
Brwn med sand, occ gvl, silty, water	376	394
Poorly sorted sand and gvl, water	394	398
Brwn f-m sand, some organics, water	398	414
Gray-brwn silt & f sand	414	445
Gray clay and silt	445	469
Gray brwn clayey silt with peat	469	482
Gray silty sand and gvl, water	482	487
Gray silty clay with sand & some gvl	487	490
Gray m-c sand with some gvl, water	490	495
Gray sand & gvl, layer with silt & clay, water	495	510
Gray v silty med sand with some gvl, some water	510	517
Gray silt & sand, occ. gvl, some water	517	525
Brwn med sand with some gvl, minor water	525	582

Attached Geology log completed by Robinson & Noble, Inc.

Work started Nov 17, 1988. Completed July 28, 1989

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME Burt Well Drilling, Inc. (Person, firm, or corporation) (Type or print)
Address 19782 N.E. Lincoln Rd. Poulsbo, Wa. 98370
[Signed] George D. Burt (Well Driller)
License No. 0048 Date August, 1989

(USE ADDITIONAL SHEETS IF NECESSARY)

S. F. No. 7356—(Rev. 2-66)—2-66—5M. 4516.

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

Please print, sign and return to the Department of Ecology

Water Well Report

Original – Ecology, 1st copy – owner, 2nd copy – driller

Construction/Decommission

☒ Construction

☐ Decommission *ORIGINAL INSTALLATION Notice of Intent Number* _____

Current Notice of Intent No. _____

Unique Ecology Well ID Tag No. _____

Water Right Permit No. _____

Property Owner Name PORT MADISON ENTERPRISES

Well Street Address SUQUAMISH CLEARWATER CASINO

City SUQUAMISH County KITSAP

Location SW 1/4-1/4 SE 1/4 Sec 29 Twn 26 R 2E GWM ☒ or SWM ☐ circle one

Lat/Long (s, t, r still REQUIRED) Lat Deg ___ Lat Min/Sec ___ Long Deg ___ Long Min/Sec ___

Tax Parcel No. _____

PROPOSED USE: ☒ Domestic ☐ Industrial ☐ Municipal ☐ DeWater ☐ Irrigation ☐ Test Well ☐ Other _____

TYPE OF WORK: Owner's number of well (if more than one) WELL #2

☒ New well ☐ Reconditioned ☐ Deepened

Method: ☐ Dug ☐ Bored ☐ Driven ☒ Cable ☐ Rotary ☐ Jetted

DIMENSIONS: Diameter of well 10 inches, drilled 402 ft. Depth of completed well 397.3 ft.

CONSTRUCTION DETAILS

Casing Installed: ☒ Welded 10" Diam. from +2 ft. to 328.4 ft. ☐ Liner installed ___" Diam. from ___ ft. to ___ ft. ☐ Threaded ___" Diam. from ___ ft. to ___ ft.

Perforations: ☐ Yes ☒ No

Type of perforator used _____

SIZE of perfs ___ in. by ___ in. and no. of perfs ___ from ___ ft. to ___ ft.

Screens: ☒ Yes ☐ No ☐ K-Pac Location _____

Manufacturer's Name ALPHA

Type STAINLESS STEEL Model No. TELESCOPING

Diam 6 Slot size 35 from 322.9 ft. to 368.3 ft.

Diam 6 Slot size 30 from 377 ft. to 392.3 ft.

Gravel/Filter packed: ☒ Yes ☐ No ☐ Size of gravel/sand #10-20

Materials placed from 280.7 ft. to 402 ft.

Surface Seal: ☒ Yes ☐ No To what depth? 18 ft.

Material used in seal BENTONITE

Did any strata contain unusable water? ☐ Yes ☒ No

Type of water? _____ Depth of strata _____

Method of sealing strata off _____

PUMP: Manufacturer's Name BERKELEY

Type: SUBMERSIBLE 6120-155 H.P 20

WATER LEVELS: Land-surface elevation above mean sea level ___ ft.

Static level 15.2 ft. below top of well Date 10/02/06

Artesian pressure _____ lbs. per square inch Date _____

Artesian water is controlled by _____ (cap, valve, etc.)

WELL TESTS: Drawdown is amount water level is lowered below static level

Was a pump test made? ☒ Yes ☐ No If yes, by whom? GRESHAM

Yield: 217 gal./min. with 160.2 ft. drawdown after 24 hrs.

Yield: ___ gal./min. with ___ ft. drawdown after ___ hrs.

Yield: ___ gal./min. with ___ ft. drawdown after ___ hrs.

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level
RECOVERY TO 30.4 AFTER 6 HRS. 40 MIN.					

Date of test 10/02/06

Bailer test ___ gal./min. with ___ ft. drawdown after ___ hrs.

Airtest ___ gal./min. with stem set at ___ ft. for ___ hrs.

Artesian flow ___ g.p.m. Date ___

Temperature of water ___ Was a chemical analysis made? ☒ Yes ☐ No

CONSTRUCTION OR DECOMMISSION PROCEDURE

Formation: Describe by color, character, size of material and structure, and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of information indicate all water encountered. (USE ADDITIONAL SHEETS IF NECESSARY.)

MATERIAL	FROM	TO
OVERBURDEN	0	1
BROWN GRAVELLY HARDPAN	1	17
GRAY GRAVELLY HARDPAN	17	50
GRAY SILTY SAND & GRAVEL	50	74
GRAY GRAVELLY SILTY CLAY	74	82
GRAY FINE SAND, SILT, CLAY	82	88
GRAY FINE SAND	88	98
GRAY GRAVELLY HARDPAN	98	106
GRAY GRAVELLY CLAY	106	115
GRAY STICKY SANDY CLAY	115	144
GRAY SILT	144	147
GRAY CLAY	147	243
GRAY SANDY CLAY	243	264
GRAY FINE SAND & SILT, H2O	264	266
GRAY FINE SAND & CLAY	266	275
GRAY FINE SAND & SILT, H2O	275	280
GRAY SANDY SILTY CLAY	280	289
GRAY FINE SAND & SILT, "SULPHUR"	289	290
GRAY SILTY SANDY CLAY	290	329
GRAY FINE SAND, H2O	329	349
GRAY CLAY	349	372
GRAY SILTY SAND, GRAVEL, & CLAY	372	
W/STEAMS H2O		374
GRAY SANDY SILT & HARDPAN	374	379
GRAY FINE/MED SAND & GRAVEL, H2O	379	387
GRAY FINE/MED SAND, LITTLE GRAVEL, H2O	387	393
GRAY CLAY BOUND SAND & GRAVEL	393	398
GRAY SANDY CLAY	398	402
**NOTE SAND PACK 10-20 280.7-402		
"TOTAL SCREEN ASSEMBLY 119.9"		

Start Date 08/25/06 Completed Date 09/29/06

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

Driller/Engineer/Trainee Name (Print) CRAIG A. GRESHAM

Driller/Engineer/Trainee Signature _____

Driller or trainee License No. 0761

IF TRAINEE, Driller's Licensed No. _____

Driller's Signature _____

Drilling Company GRESHAM WELL DRILLING INC

Address P.O. BOX 1600

City, State, Zip POULSBO, WA 98370-0195

Contractor's Registration No. GRESHWD055BC Date 10/19/06

Ecology is an Equal Opportunity Employer. ECY 050-1-20 (Rev 2/03)

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

WASHINGTON STATE DEPARTMENT OF ECOLOGY

Parcel ID #

UNIQUE WELL I.D. NUMBER A A C 1 0 7
X Y Z 1 2 3

WELL TAGGING FORM

Date of Field Visit 6/28/12 By John O'Leary, Martin Seboren

ADDITIONAL WELL IDENTIFIERS

Department of Health System ID Number _____ Source Number SO____

USGS Site Identification 474245122342201 26N/02E-29K01

RECORD VERIFICATION

☒ Well Report available *(please attach)*
☐ Well Report not available
☐ Verification inconclusive

WELL OWNERSHIP, IF DIFFERENT FROM WELL REPORT

Name Port Madison Enterprises

Street address 15347 Suquamish Way NE

City Suquamish State Washington

LOCATION OF WELL, IF DIFFERENT FROM WELL REPORT

Well Address Parcel # 292602-4-007-206

City _____ County _____

T. 26 N. R. 2 E W.M. Sec. 29 NW* ¼ of the SE

* original well log incorrectly states SW 1/4 of the SE 1/4

Latitude 47.7126 ° ____ ' ____ "
Longitude -122.573 ° ____ ' ____ "

☐ GPS (raw data)
☐ GPS (corrected)
☐ Topographic Map
☐ Survey
☐ Computer generated
☒ Other USGS

Elevation at land surface 36 ft feet/meters *(circle one)*

☐ Digital Altimeter
☐ Topographic Map
☒ Other USGS

File Original and First Copy with Department of Ecology
Second Copy -- Owner's Copy
Third Copy -- Driller's Copy

WATER WELL REPORT

STATE OF WASHINGTON

Application No. G1 22416

Permit No. ... P

(1) **OWNER:** Name KITSAP COUNTY PUD #1 Address PORT ORCHARD

(2) **LOCATION OF WELL:** County KITSAP NW ¼ SW ¼ Sec 36 T. 26 N., R. 1E W.M.

Bearing and distance from section or subdivision corner 250'E & 250'S of W¼ cor of 36

(3) **PROPOSED USE:** Domestic ☐ Industrial ☐ Municipal ☒
Irrigation ☐ Test Well ☐ Other ☐

(4) **TYPE OF WORK:** Owner's number of well (if more than one) .... KEYPORT #1
New well ☒ Method: Dug ☐ Bored ☐
Deepened ☐ Cable ☒ Driven ☐
Reconditioned ☐ Rotary ☐ Jetted ☐

(5) **DIMENSIONS:** Diameter of well 16 & 12 inches.
Drilled 783 ft. Depth of completed well 746 ft.

(6) **CONSTRUCTION DETAILS:**

Casing installed: 16 " Diam. from 0 ft. to 488 ft.
Threaded ☐ 12 " Diam. from 0 ft. to 699 ft.
Welded ☐ 10 " Diam. from 691 ft. to 702 ft.
10 741 746

Perforations: Yes ☐ No ☒
Type of perforator used
SIZE of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

Screens: Yes ☒ No ☐
Manufacturer's Name JOHNSON
Type SS V SLOT Model No.
Diam. Slot size from ft. to ft.
Diam. 12 T Slot size VARIES from 702 ft. to 741 ft.

Gravel packed: Yes ☐ No ☒ Size of gravel:
Gravel placed from ft. to ft.

Surface seal: Yes ☒ No ☐ To what depth? 23 ft.
Material used in seal CONCRETE
Did any strata contain unusable water? Yes ☐ No ☐
Type of water? Depth of strata
Method of sealing strata off

(7) **PUMP:** Manufacturer's Name
Type: H.P.

(8) **WATER LEVELS:** Land-surface elevation above mean sea level .... 15 ± ft.
Static level + 29.9 ft. below top of well Date 7/1/75
Artesian pressure 12.9 lbs. per square inch Date 4
Artesian water is controlled by VALVE (Cap, valve, etc.)

(9) **WELL TESTS:** Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☒ No ☐ If yes, by whom? R&N
Yield: 345 gal./min. with 184 ft. drawdown after 25 hrs.
" " " "
" " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level
	ON FILE				

Date of test 7/3/1975
Bailer test gal./min. with ft. drawdown after hrs.
Artesian flow not measured g.p.m. Date
Temperature of water 54°F Was a chemical analysis made? Yes ☒ No ☐

(10) **WELL LOG:**

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL	FROM	TO
BRN C & S	0	12
S & G	12	14
BLU C w/ PEAT & WOOD, Snd layers	14	101
S & G w/ b	101	106
BLU C w/ PEAT & WOOD	106	123
S & G w/ b	123	142
BLU C	142	223
S & G w/ c layers	223	239
Sandy clay - peaty	239	260
GRAY Snd, some Grl	260	276
Gray & green C	276	287
GREENISH Snd, w/ b	287	322
BLUE-GRAY CLAY	322	352
LAYERED TIGHT & LOOSER S & G	352	380
CLAY - SNDY TOWARD BTM	380	434
S & G w/ b	434	438
CLAY - layered w/ S & G	438	465
DK GRAY S & G w/ b	465	481
Blue-gray clay - some sand seams, some peat nr top	481	689
S w/ S & G, dirty	689	701
WIDELY SORTED S & G w/ b	701	735
Coarse G & S w/ clay binder	735	740
SILT, SND - grading finer to silty clay	740	783 TD

Work started 4/14 19 75 Completed 7/3 19 75

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME STORY & ARMSTRONG DR CO
(Person, firm, or corporation) (Type or print)

Address Puyallup

[Signed] [illegible] GEOLOGIST
(Well Driller)

License No. Date 12/31 19 75

(USE ADDITIONAL SHEETS IF NECESSARY)

S. F. No. 7356—OS—(Rev. 4-71).

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

26/1E-36M KPUD
KEYPORT WELL 1

WASHINGTON STATE DEPARTMENT OF ECOLOGY

RECEIVED 12/16/96
VSB
dated 6/16/97

AAN 362601300/2006
UNIQUE WELL I.D. NUMBER A A A 0 0 1
X Y Z 1 2 3

WELL TAGGING FORM

Date of Field Visit 2/14/92 By JRL / MLL

RECORD VERIFICATION

☑ Well Report available *(please attach)*
☐ Well Report not available
☐ Verification inconclusive

WELL OWNERSHIP

Name Kitsap County P.U.D. #1.

Street address 1431 Finn Hill Road

City Poulsbo State WA 98370

LOCATION OF WELL

Well Address

City Keyport County Kitsap

T. 26 N. R. 01E W.M. Sec. 36M ¼ NW ¼ SW

GPS Location: Latitude 47° 42' 2.73 (04) "N PLOT 2.1

GOOGLE EARTH 8/16/11 MBS

Longitude 122° 37' 35 (38.75) "W 4/25/95

Elevation 13' feet/meters *(circle one)*

LIDAR = 15 to 17'

☑ Digital Altimeter
☐ Topographic Map
☐ Other

If unable to verify location with GPS equipment:

☑ Location marked on topographic map *(please attach if available)*

☐ Location marked on air photo *(please attach if available)*

MBS
TOPO CALCULATED
LAT/LONG
47 42 03 / 122 37 32
3/24/03

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

26/1E-36M

JULY 4th, 1975
S.W.L. = +29.88 (FLOWING ARTESIAN)

GROUND SURFACE

2 - TOPSOIL

10 - BROWN CLAY AND SAND

12 - SAND WITH SOME GRAVEL

34 - BLUE CLAY WITH PEAT AND WOOD
SOME LAYERS OF WATER BEARING SAND

53 - BLUE SILTY CLAY WITH WOOD
SOME LAYERS OF WATER BEARING SAND

5 - DIRTY SAND AND GRAVEL - WATER BEARING

17 - SILTY BLUE CLAY WITH SOME PEAT AND WOOD

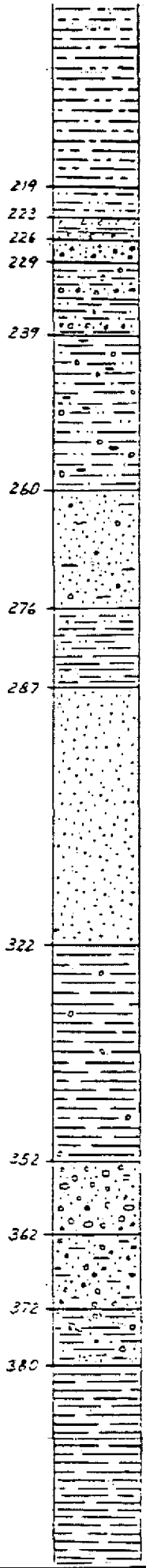
19 - SAND AND GRAVEL - WATER BEARING

51 - STICKY BLUE CLAY, GRITTY WITH SAND AND FINE GRAVEL

2
12
14
48
101
106
123
142
193

Samples held for 90 days

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.



26 - SILTY BLUE CLAY

219

4 - SILTY BLUE CLAY WITH SAND

223

3 - LAYERS OF BLUE CLAY AND SAND AND GRAVEL - SOME WATER

226

3 - SAND AND GRAVEL - WATER BEARING

229

10 - SANDY AND GRAVELLY CLAY WITH LAYERS OF SAND & GRAVEL

239

21 - BROWNISH GRAY PEATY SANDY AND GRAVELLY CLAY

260

16 - GRAY, DIRTY, MEDIUM TO COARSE SAND WITH SOME GRAVEL WATER BEARING

276

11 - GRAY SANDY CLAY AND GREEN CLAY

287

35 - GREENISH GRAY MEDIUM SAND - WATER BEARING

322

30 - BLUE-GRAY CLAY WITH SOME FINE GRAVEL

352

10 - DARK GRAY, LOOSE, FINE GRAVEL AND SAND - WATER BEARING

362

10 - CLAY-BOUND SAND AND GRAVEL

372

8 - HARD COMPACTED, CLAYEY SAND AND GRAVEL

380

44 - DARK GRAY, FINE TEXTURED STICKY CLAY

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

424 — 3 - GRAY SANDY CLAY

427 — 7 - COMPACTED GRAVELLY AND SANDY CLAY

434 — 4 - LOOSE, FINE GRAVEL AND SAND - SOME WATER

438 — 13 - BLUE - GRAY CLAY

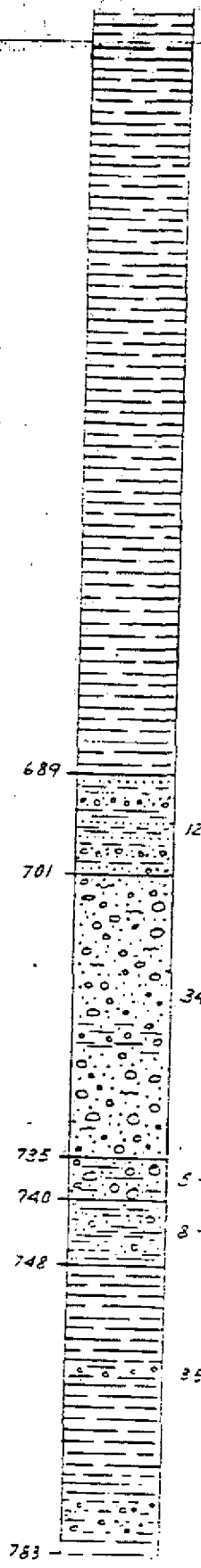
451 — 9 - LAYERS OF CLAY BOUND SAND AND GRAVEL AND BLUE CLAY SOME WATER

460 — 5 - CLAY BOUND SAND AND GRAVEL - TIGHT

465 — 16 - DARK GRAY SAND AND GRAVEL - WATER BEARING

481 — 208 - BLUE - GRAY, STICKY, FINE TEXTURED CLAY WITH A FEW SANDY AND SILTY INTERBEDS AND BROWN PEATY CLAY LAYERS IN UPPER PART.

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.



689

12 - LAYERS OF DIRTY SAND AND SAND AND GRAVEL - WATER BEARING

701

34 - GRAY, LOOSE, SOMEWHAT DIRTY GRAVEL AND SAND
TIGHT ZONE 719 - 722 - WATER BEARING

735

5 - CLAY BOUND COARSE GRAVEL AND SAND - SOME WATER

740

8 - SILTY AND SANDY CLAY WITH SOME GRAVEL

748

35 - GRAY STICKY CLAY WITH PEBBLES [illegible] - 743 AND SILTY CLAY
WITH PEBBLES 776 - 781

783

HOLE BOTTOMED AT 783

KITSAP COUNTY P.U.D. NO. 1
PORT ORCHARD, WASHINGTON

ROBINSON AND NOBLE, INC.
GROUND WATER GEOLOGISTS
TACOMA, WASHINGTON

JULY 8, 1975
GEOLOGY BY H.N.

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT
STATE OF WASHINGTON

Intent
~~Application~~ No. OC6753
Permit No. 25-01-02J

(1) OWNER: Name Kitsap County P.U.D. #1 Address PO Box 1989 Poulsbo 98370

(2) LOCATION OF WELL: County Kitsap NE ¼ SE ¼ Sec 2 T. 25 N., R. 1E W.M.

Bearing and distance from section or subdivision corner

(3) PROPOSED USE: Domestic ☐ Industrial ☐ Municipal ☒
Irrigation ☐ Test Well ☐ Other ☐

(4) TYPE OF WORK: Owner's number of well (if more than one) 2
New well ☒ Method: Dug ☐ Bored ☐
Deepened ☐ Cable ☒ Driven ☐
Reconditioned ☐ Rotary ☐ Jetted ☐

(5) DIMENSIONS: Diameter of well 20, 16, 12 inches.
Drilled 1049 ft. Depth of completed well 1032 ft.

(6) CONSTRUCTION DETAILS:
Casing installed: 20 " 24" Diam. from 0' ft. to 28' 469 ft.
Threaded ☐ 16 " Diam. from 0 ft. to 853 ft.
Welded ☒ 12 " Diam. from +2.5 ft. to 950 ft.

Perforations: Yes ☐ No ☒
Type of perforator used
SIZE of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

Screens: Yes ☒ No ☐
Manufacturer's Name UOP JOHNSON
Type 304 SS Model No.
Diam. 6 Slot size .030" from 938 ft. to 977 ft.
Diam. 6 Slot size from 983 ft. to 1023 ft.

Gravel packed: Yes ☒ No ☐ Size of gravel AQUA 8
Gravel placed from 882 ft. to 1049 ft.

Surface seal: Yes ☒ No ☐ To what depth? 28 ft.
Material used in seal CEMENT GROUT
Did any strata contain unusable water? Yes ☐ No ☒
Type of water? Depth of strata
Method of sealing strata off

(7) PUMP: Manufacturer's Name NA
Type H.P.

(8) WATER LEVELS: Land-surface elevation above mean sea level ~250 ft.
Static level 190 ft below top of well Date 8-29-88
Artesian pressure lbs per square inch Date
Artesian water is controlled by (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☒ No ☐ If yes, by whom? BWD
Yield 805 gal./min with 20 ft. drawdown after .33 hrs.
" 805 " " 74 " " 4 "
" 805 " " 80 " " 24 "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level
10 MIN	199.55	2233 MIN	192.04		
30 MIN	198.8				
61 MIN	198.1				

Date of test 8/30/88
Baller test gal./min. with ft drawdown after hrs.
Artesian flow g.p.m. Date
Temperature of water 54°F Was a chemical analysis made? Yes ☒ No ☐

(10) WELL LOG:

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL	FROM	TO
SANDY TOP SOIL	0	9
GRAY SILT AND CLAY	9	28
GRAY CLAY	28	140
GRAY CLAY AND SILT	140	160
GRAY SILTY CLAY	160	198
GRAY SILT AND CLAY	198	226
GRAY SILTY CLAY	226	325
GRAY SILTY CLAY WITH GRAVEL	325	358
GRAY SILTY CLAY	358	432
GRAY SILT	432	454
GRAY SILTY CLAY	454	580
GRAY SILTY CLAY AND GRAVEL, WOOD	580	592
GRAY CLAY WITH SAND	592	635
GRAY SILTY SAND, WOOD CHIPS	635	913
GRAY SILT	913	915
GRAY SAND AND SILT	915	917
GRAY SILT	917	940
GRAY MEDIUM TO COARSE SAND	940	1026
GRAY MEDIUM TO COARSE SAND WITH SOME GRAVEL	1026	1049

RECEIVED
OCT 24 1988
DEPARTMENT OF ECOLOGY
NORTHWEST REGION

Work started MARCH, 19 88 Completed SEPT, 19 88

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME BURT WELL DRILLING (Person, firm, or corporation) (Type or print)
Address 19782 NE LINCOLN Rd., POULSBO
[Signed] George Burt (Well Driller)
License No. 0048 Date 10-20, 19 88

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT
STATE OF WASHINGTON

AAA002 25/1E-2K X
Application No.

Permit No.

(1) OWNER: Name KITSAP COUNTY P.U.D. #1 Address PO BOX 1989 POULSBO 98370

LOCATION OF WELL: County KITSAP NE¼ SE¼ NW¼ Sec. 2 T. 25 N., R. 1E W.M.

Bearing and distance from section or subdivision corner

(3) PROPOSED USE: Domestic ☐ Industrial ☐ Municipal ☒
Irrigation ☐ Test Well ☐ Other ☐

(4) TYPE OF WORK: Owner's number of well (if more than one) 2 KEYPORT
New well ☒ Method: Dug ☐ Bored ☐
Deepened ☐ Cable ☒ Driven ☐
Reconditioned ☐ Rotary ☐ Jetted ☐

(5) DIMENSIONS: Diameter of well 20, 16, 12 inches.
Drilled 1049 ft. Depth of completed well 1032 ft.

(6) CONSTRUCTION DETAILS:
Casing installed: 20" (24" Diam.) from 0 ft. to 28' 469 ft.
Threaded ☐ 16" Diam. from 0 ft. to 853 ft.
Welded ☒ 12" Diam. from +2.5 ft. to 950 ft.

Perforations: Yes ☐ No ☒
Type of perforator used
SIZE of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

Screens: Yes ☒ No ☐
Manufacturer's Name UOP JOHNSON
Type 304SS Model No.
Diam. 6 Slot size .030" from 928 ft. to 974 ft.
Diam. 6 Slot size from 983 ft. to 1023 ft.

Gravel packed: Yes ☒ No ☐ Size of gravel: AQUA 8
Gravel placed from 882 ft. to 1049 ft.

Surface seal: Yes ☒ No ☐ To what depth? 28 ft.
Material used in seal CEMENT GROUT
Did any strata contain unusable water? Yes ☐ No ☒
Type of water? Depth of strata
Method of sealing strata off

(7) PUMP: Manufacturer's Name NA
Type: H.P.

(8) WATER LEVELS: Land-surface elevation above mean sea level ~ 220 ft.
Static level 190 ft. below top of well Date 8-29-88
Artesian pressure lbs. per square inch Date
Artesian water is controlled by (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☒ No ☐ If yes, by whom? BWD
Yield: 805 gal./min. with 70 ft. drawdown after 33 hrs.
" 805 " 74 " 4 "
" 805 " 80 " 24 "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level
10 MIN	199.35	2233 MIN	197.04		
30 MIN	198.8				
MIN	198.1				

Date of test 8/30/88
Bailer test gal./min. with ft. drawdown after hrs.
Artesian flow g.p.m. Date
Temperature of water 54°F Was a chemical analysis made? Yes ☒ No ☐

(10) WELL LOG:
Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL	FROM	TO
SANDY TOP SOIL	0	9
GRAY SILT AND CLAY	9	78
GRAY CLAY	78	140
GRAY CLAY AND SILT	140	160
GRAY SILTY CLAY	160	198
GRAY SILT AND CLAY	198	226
GRAY SILTY CLAY	226	325
GRAY SILTY CLAY WITH GRAVEL	325	358
GRAY SILTY CLAY	358	432
GRAY SILT	432	454
GRAY SILTY CLAY	454	580
GRAY SILTY CLAY AND GRAVEL, WOOD	580	592
GRAY CLAY WITH SAND	592	635
GRAY SILTY SAND, WOOD CHIPS	635	912
GRAY SILT	912	915
GRAY SAND AND SILT	915	917
GRAY SILT	917	940
GRAY MEDIUM TO COARSE SAND	940	1026
GRAY MEDIUM TO COARSE SAND WITH SOME GRAVEL	1026	1049

220 220
-928 -1023
-708 -803
LOG BY CHANDLER ELLIS
ROBINSON & NOBLE, INC
9/15/88
230 KPUD ALTIMETER
220 LIDAR

Work started MARCH 19 88 Completed SEPT 19 88

WELL DRILLER'S STATEMENT:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME BART WELL DRILLING
(Person, firm, or corporation) (Type or print)
Address 19782 NE LINCOLN RD., POULSBO

[Signed]
(Well Driller)

License No. Date 19

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

AAA002

X

Test	Result
Selenium	less than 0.005
Silica	50
Silver	less than 0.01
Sodium	17
Specific Conductivity*	230
pH*	8.1
Sulfate	less than 1
Total Dissolved Solids	174
Total Hardness*	88
Turbidity*	0.1
Zinc	less than 0.1

*All results are in milligrams per liter except color, which is in color units, pH which is in pH units, specific conductivity which is in micromho/cm, and turbidity which is in nephelometric units. Bicarbonate carbonate and total hardness are in milligrams per liter as calcium carbonate.

Sample was analyzed according to Standard Methods for the Examination of Water and Wastewater, 16th Edition.

Chemistry Lab # 89-02188

Sincerely,

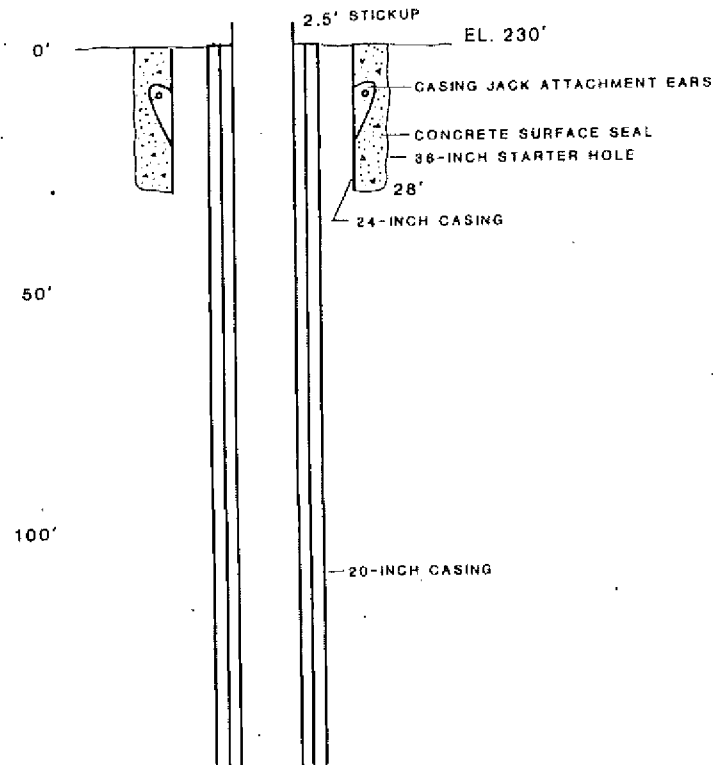
George P. Schonhard
Chemist

Alan T. Aplin
Chemist

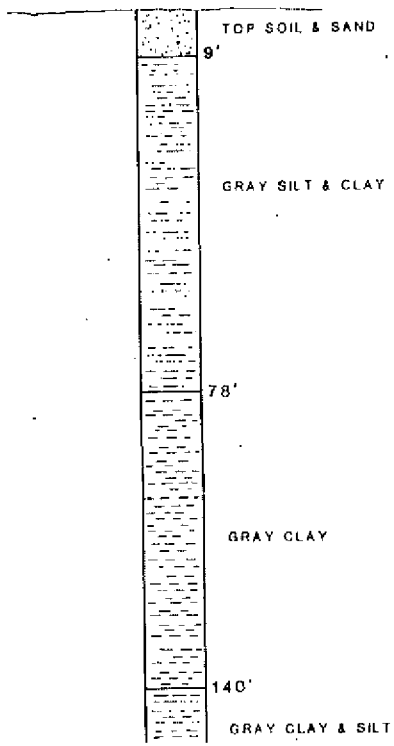
KEYPORT PRODUCTION WELL 2

SEPTEMBER, 1988

CONSTRUCTION DETAILS



GEOLOGIC LOG



The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

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25/1E-02K

KPUD KEYPORT WELL 2

WASHINGTON STATE DEPARTMENT OF ECOLOGY

ENTERED 12/16/96 VSB

UNIQUE WELL I.D. NUMBER A A A 0 0 2
X Y Z 1 2 3

PARCEL 022501404720001

WELL TAGGING FORM

Date of Field Visit 2/24/98 By IKE / MIKE

RECORD VERIFICATION

☑ Well Report available *(please attach)*
☐ Well Report not available
☐ Verification inconclusive

WELL OWNERSHIP

Name P.U.D. #1 of Kitsap County

Street address 321 Fair Hill Road

City Poulsbo State WA 98370

LOCATION OF WELL

Well Address Old Military Road

City Keyport County Kitsap

T. 25 N. R. 01E W.M. Sec. 02K ¼ NW ¼ SE

GPS Location: Latitude 47° 41' 4.83 ~~25~~" N
GOOGLE EARTH 6/18/11 MBS

Longitude 122° 38' 1.65 ~~46~~" W 02

Elevation 222' feet/meters *(circle one)*
LIDAR ~ 220

☑ Digital Altimeter
☐ Topographic Map
☐ Other

If unable to verify location with GPS equipment:

☑ Location marked on topographic map *(please attach if available)*

☐ Location marked on air photo *(please attach if available)*

~~TOPO~~ MBS CALCULATED LAT/LONG
47 41 08 122 37 56
3/24/03

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT 25/1-2J

STATE OF WASHINGTON

Application No. ...

Permit No. 61-23792

(1) OWNER: Name KITSAP PUD #1 Address P.O. BOX 641, PORT ORCHARD, WA 98366

(2) LOCATION OF WELL: County KITSAP NE ¼ SE ¼ Sec. 2 T. 25 N., R. 1E W.M

Bearing and distance from section or subdivision corner

(3) PROPOSED USE: Domestic ☐ Industrial ☐ Municipal ☐ Irrigation ☐ Test Well ☒ Other ☐

(4) TYPE OF WORK: Owner's number of well (if more than one) KEYPORT #2
New well ☒ Method: Dug ☐ Bored ☐ Deepened ☐ Cable ☐ Driven ☐ Reconditioned ☐ Rotary ☒ Jetted ☐

(5) DIMENSIONS: Diameter of well 6 inches. Drilled 1147 ft. Depth of completed well 1070 ft.

(6) CONSTRUCTION DETAILS:

Casing installed: 6 " Diam. from 0 ft. to 1080 ft.
Threaded ☐ " Diam. from ft. to ft.
Welded ☒ " Diam. from ft. to ft.

Perforations: Yes ☒ No ☐
Type of perforator used TORCH
SIZE of perforations 1/4 in. by 4" in.
1020 perforations from 1020 ft. to 1060 ft.
perforations from ft. to ft.
perforations from ft. to ft.

Screens: Yes ☐ No ☒
Manufacturer's Name
Type Model No.
Diam. Slot size from ft. to ft.
Diam. Slot size from ft. to ft.

Gravel packed: Yes ☐ No ☒ Size of gravel:
Gravel placed from ft. to

Surface seal: Yes ☒ No To what depth? 18.5 ft.
Material used in seal BENTONITE
Did any strata contain unusable water? Yes ☐ No ☒
Type of water? Depth of strata
Method of sealing strata off

(7) PUMP: Manufacturer's Name
Type: H.P.

(8) WATER LEVELS: Land-surface elevation above mean sea level ~230 ft.
Static level 190.8 ft. below top of well Date 7-10-81
Artesian pressure lbs. per square inch Date
Artesian water is controlled by (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level ROBINSON & ASSOC.
Was a pump test made? Yes ☒ No ☐ If yes, by whom?
Yield: 206 gal./min. with 66.5 ft. drawdown after 4 hrs.
" " " "
" " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level
1 MIN	191.5				
2 "	190.8				

Date of test 7-10-81
Bailer test gal./min. with ft. drawdown after hrs.
Artesian flow g.p.m. Date
Temperature of water Was a chemical analysis made? Yes ☒ No ☐

(10) WELL LOG:

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL	FROM	TO
BROWN SAND	0	41
GRAY CLAYEY SILT	41	105
GRAY SILTY CLAY	105	205
GRAY SANDY SILT	205	228
SILTY FINE SAND WITH PEAT AND WOOD	228	232
GRAY SILTY CLAY	232	275
GRAY CLAY	275	306
GRAY CLAYEY SILT	306	326
SAND AND GRAVEL	326	329
INTERBEDDED GRAY SILT & SAND	329	435
SILTY SAND AND GRAVEL	435	448
SAND AND GRAVEL	448	465
INTERBEDDED GRAY SILT & SAND	465	486
SAND AND GRAVEL	486	499
GRAY PEBBLY SILT	499	520
SAND AND GRAVEL	520	527
GRAY PEBBLY SILT	527	556
SANDY	556	560
INTERBEDDED SILT & SAND	560	592
PEBBLY SAND	592	603
SILTY SAND AND GRAVEL	603	628
GRAY SANDY SILT	628	670
GRAY SILTY CLAY W/ PEBBLES	670	750
SILTY SAND	750	770
POORLY SORTED SILTY SAND AND GRAVEL	770	982
SILTY CLAY	982	986
SAND W/ SILT & PEBBLES	986	1010
SAND AND GRAVEL	1010	1080
PEBBLY SAND	1080	1140
SAND AND GRAVEL	1140	1144
GRAY SILTY CLAY	1144	1147

Prepared by: Robinson & Mackey Smith Noble, Inc.

Work started 6-2 19 81 Completed 7-10 19 81

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME ROBINSON WELL DRILLING (Person, firm, or corporation) (Type or print)

Address P. O. BOX 44427 TACOMA, WA 98444

[Signed] (Well Driller)

License No. 0419 Date 11/20 19 81

(USE ADDITIONAL SHEETS IF NECESSARY)

S. F. No. 7356—OS—(Rev. 4-71).

NOV 2

DEPARTMENT OF NATURAL RESOURCES

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

Bruner, Marian (ECY)

From: Marty Sebren [marty@kpud.org]
Sent: Tuesday, February 23, 2010 3:05 PM
To: Bruner, Marian (ECY)
Subject: Well Logs contact

To Whom It May Concern:

In the table below I have associated **well_log_id** with **well_tag_nr** for a number of older Kitsap PUD well logs where your system currently lacks the well_tag_nr. Please update your system with the **well_tag_nr** provided here.

well_log_id	well_tag_nr	well_depth_qt	well_diameter_qt	well_owner_nm
66900	AAA106	212	12	KITSAP COUNTY PUD
66901	AAC799	364	12	KITSAP COUNTY PUD #1
66902	AAA111	1030	6	KITSAP COUNTY PUD #1
66903	AAA110	402	8	KITSAP COUNTY PUD #1
66904	AAA012	805	10	KITSAP COUNTY PUD #1
66905	AAA014	338	12	KITSAP COUNTY PUD NO. 1
66910	AAC340	1070	6	KITSAP PUD #1
66912	ACK363	375	6	KITSAP PUD #1
66913	AAA102	466	6	KITSAP PUD #1
66914	AAA015	329	12	KITSAP PUD #1
66915	AAA710	330	22	KITSAP PUD NO. 1
66916	AAA013	335	16	KITSAP PUD NO. 1
278452	AAA707	809	16	KITSAP PUD NO. 1
69371	AAB416		8	PUD #1, KITSAP COUNTY
69372	AAB471	239	12	PUD NO 1 OF KITSAP COUNTY
69373	AAA717	587	8	PUD NO 1 OF KITSAP COUNTY
69374	AAB406	414	12	PUD NO. 1 OF KITSAP CO.
70898	AAA713	473	8	SUQUAMISH WELL NO. 2 (KPUD)

Martin B. Sebren, L.H.G.

Public Utility District No. 1 of Kitsap County

PO Box 1989

Poulsbo, WA 98370

Office: (360) 626-7722

Cell: (360) 265-6553

Fax: (360) 697-4197

e-mail: sebe@kpud.org

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT
STATE OF WASHINGTON

25/01-14Q
Application No. [redacted]
Permit No. G1-23781C

(1) OWNER: Name NORTH PERRY AVE WATER DIST. Address 2921 PERRY AVE., BREM., WA. 98310

(2) LOCATION OF WELL: County KITSAP — SW ¼ SE ¼ Sec. 14 T. 25 N., R. 1E W.M.
Bearing and distance from section or subdivision corner 2800' E AND 200' N FROM SW CORNOR OF SECTION 14

(3) PROPOSED USE: Domestic ☐ Industrial ☐ Municipal ☒
Irrigation ☐ Test Well ☐ Other ☐

(4) TYPE OF WORK: Owner's number of well (if more than one)....
New well ☒ Method: Dug ☐ Bored ☐
Deepened ☐ Cable ☐ Driven ☐
Reconditioned ☐ Rotary ☐ Jetted ☐

(5) DIMENSIONS: Diameter of well 12 inches.
Drilled 1009 ft. Depth of completed well 560 ft.

(6) CONSTRUCTION DETAILS:
Casing installed: 20" Diam. from L.S. ft. to 18 ft.
Threaded ☐ 16" Diam. from L.S. ft. to 401 ft.
Welded ☒ 12" Diam. from L.S. ft. to 509 ft.

Perforations: Yes ☐ No ☒
Type of perforator used
SIZE of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

Screens: Yes ☒ No ☐
Manufacturer's Name JOHNSON
Type STAINLESS, TELESCOPE Model No.
Diam. 12" Slot size 30 from 500 ft. to 550 ft.
Diam. Slot size from ft. to ft.

Gravel packed: Yes ☐ No ☒ Size of gravel:
Gravel placed from ft. to ft.

Surface seal: Yes ☒ No ☐ To what depth? 18 ft.
Material used in seal CEMENT GROUT
Did any strata contain unusable water? Yes ☐ No ☒
Type of water? Depth of strata
Method of sealing strata off

(7) PUMP: Manufacturer's Name NOT INSTALLED
Type: H.P.

(8) WATER LEVELS: Land-surface elevation above mean sea level.... 80 ft.
Static level 34.4 ft. below top of well Date 6/11/80
Artesian pressure lbs. per square inch Date
Artesian water is controlled by (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level ROBINSON
Was a pump test made? Yes ☐ No ☐ If yes, by whom? NOBLE + CARR
Yield: 307 gal./min. with 93.5 ft. drawdown after 5 hrs.
" " " "
" " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test JUNE 11, 1980
Bailer test gal./min. with ft. drawdown after hrs.
Artesian flow g.p.m. Date
Temperature of water 49.5 Was a chemical analysis made? Yes ☒ No ☐

(10) WELL LOG:
Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL	FROM	TO
LIGHT BROWN SANDY CLAY	0	37
BLUE SILTY CLAY	37	63
SAND + GRAVEL/W CLAY, SOME WAT.	63	80
BLUE SILTY SAND	80	117
FINE BLACK SAND, WATER	117	132
SILTY BLUE CLAY	132	187
BLUE CLAY	187	288
GRAVEL AND SILTY SAND	288	290
GRAY SILT	290	310
DARK SAND + GRAVEL	310	327
DARK, M-C SAND + GRAVEL, WOODY	327	356
CLAY AND GRAVEL	356	368
BLUE CLAY	368	385
TILL	385	391
VARVED BLUE CLAY WITH PEAT	391	420
GRAVEL/W SAND AND CLAY, SHELLS	420	429
SAND + GRAVEL, PEATY, WATER	429	440
BLUE CLAY/W GRAVEL	440	447
GRAY TO GREENISH GRAY SILTY CLAY	447	485
GRAY SAND + GRAVEL	485	489
TILL	489	510
SILTY SAND/W GRAVEL WATER	510	546
BROWN SAND AND GRAVEL	546	553
BROWN FINE SILTY SAND	553	568
GRAVELLY TILL	568	574
FINE SILTY GRAY SAND	574	662
DRY BLUE VARVED SILT	662	838
M-F GRAY SAND WATER	838	841
BLEIE SILTY CLAY	841	901
M. GRAY SILT/W SILTY BLUE CLAY	901	938
SAND + GRAVEL/W CLAY	938	949
SANDY BLUE CLAY	949	957
BLACK SAND AND GRAVEL	957	969
BLUE CLAY	969	980
DARK GRAY M-F. SILTY SAND	980	997
CLAY AND GRAVEL	997	998
SILTY SAND AND GRAVEL	998	1000
GRAY SILTY SAND, GRAD: TO CLAY	1000	1009

Work started AUG 23, 1979 Completed JUNE 11, 1980

WELL DRILLER'S STATEMENT:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME BURT WELL DRILLING (Person, firm, or corporation) (Type or print)
Address Rt 1 Box 283 POULSBO, WA. 98307
[Signed] George Burt (Well Driller)
License No. 0048 Date JULY 11, 1980

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

Appli: No. 9891
Per: No.
Cert: No.

STATE OF WASHINGTON
DEPARTMENT OF CONSERVATION
DIVISION OF WATER RESOURCES

25/2E-19M
File number

WELL LOG

Record by Driller
Source Drillers Record

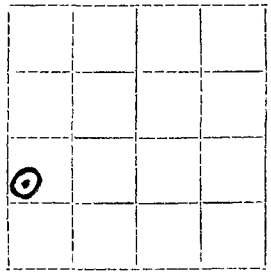
Diagram of Section

Location: State of WASHINGTON
County Kitsap
Area
Map
¼ ¼ sec. 19 T. 25 N., R. 2E E. W.

Drilling Co. L. R. Gaudio
Address Tacoma

Method of Drilling cable Date May 2, 1969

Owner Kitsap Co. PUD#1
Address Port Orchard

Land surface, datum ft. above below

SWL: 104' Date May 1, 1969 Dims.: 16 &17"x 781'

CORRELATION	MATERIAL	From (feet)	To (feet)
	Municipal		
	see Well Log etc. in file on G.W. App. No. 9891 (WHM)		
	casing installed: from 0 to		33'
	0 to		628'
	599 to		719'
	screens installed from 719'	to	728'
	743'	to	770'
	Yield: 765 gpm with 111' DD after 5½ hrs.		
	Temp: 50°		
	Pump: (rated up to 1000 gpm)		

(Transcribe driller's terminology literally but paraphrase as necessary, in parentheses. If material water-bearing, so state and record static level if reported. Give depths in feet below land-surface datum unless otherwise indicated. Correlate with stratigraphic column, if feasible. Following log of materials, list all casings, perforations, screens, etc.)

Turn up

Sheet ... of ... sheets

of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT
STATE OF WASHINGTON

(duplicate)

Application No. 25/02-19M

Permit No. G1-23075P

(1) OWNER: Name NORTH PERRY AVE W.D. Address 2921 PERRY AVE BREMERTON 98310

(2) LOCATION OF WELL: County KITSAP NW¼ SW¼ Sec. 19 T. 25 N., R. 2E W.M.

Bearing and distance from section or subdivision corner 1120' S & 125' E OF W¼ COR - SEC. 19.

(3) PROPOSED USE: Domestic ☐ Industrial ☐ Municipal ☒
Irrigation ☐ Test Well ☐ Other ☐

(4) TYPE OF WORK: Owner's number of well (if more than one) GILBERTON 2
New well ☒ Method: Dug ☐ Bored ☐
Deepened ☐ Cable ☒ Driven ☐
Reconditioned ☐ Rotary ☐ Jetted ☐

(5) DIMENSIONS: Diameter of well 12-8-6 inches.
Drilled 523 ft. Depth of completed well 490 ft.

(6) CONSTRUCTION DETAILS:

Casing installed: 16" Diam. from 0 ft. to 32 ft.
Threaded ☐ 12" Diam. from 0 ft. to 420 ft.
Welded ☒* 6" Diam. from 455 ft. to 390 ft.

Perforations: Yes ☐ No ☒
Type of perforator used
SIZE of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

Screens: Yes ☒ No ☐
Manufacturer's Name JOHNSON
Type STAINLESS V Model No.
Diam. 6 PS Slot size 100/150 from 455 ft. to 480 ft.
Diam. 6 ID Slot size BLANK from 480 ft. to 490 ft.

Gravel packed: Yes ☒ No ☐ Size of gravel: PEA
Gravel placed from bottom ft. to 392 ft.

Surface seal: Yes ☒ No ☐ To what depth? 32 ft.
Material used in seal 34"-16" ANNULUS: CONCRETE
Did any strata contain unusable water? Yes ☐ No ☒
Type of water? Depth of strata
Method of sealing strata off

(7) PUMP: Manufacturer's Name
Type: H.P.

(8) WATER LEVELS: Land-surface elevation above mean sea level 140± ft.
Static level 97.3 ft. below top of well Date 6/2/77
Artesian pressure lbs. per square inch Date
Artesian water is controlled by (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level DRILLER'S
Was a pump test made? Yes ☒ No ☐ If yes, by whom? R.F.H.
Yield: 315 gal/min. with 96.2 ft. drawdown after 6 hrs.
" " " "
" " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level
INACCURATE DATA		(T=3000 TACOMA RECOVERY)			

Date of test 6/2/77
Bailer test gal./min. with ft. drawdown after hrs.
Artesian flow g.p.m. Date
Temperature of water Was a chemical analysis made? Yes ☒ No ☐

(10) WELL LOG:

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL	FROM	TO
BROWN SND, SOME GRAVEL, COMPACT	0	103
GRAVEL & SAND	103	116
GRAY SND, SOME GVL, SOME WATER	116	200
GRAY SLT	200	244
GRAY CLAY, BLUE SLT	244	300
FINE BLUE SND, SOME WATER	300	325
SAND & CLAY, SILTY	325	400
GRAY CLAY	400	451
GRAY TO GRAY-BRN GRAVEL & SAND TENDING TO SILTY SND & GRAVEL WITH DEPTH TOP OF UNIT RICH W/ MARINE SHELLS, BOTTOM CONTAINS WOOD FLECKS	451	518
BLUE-GRAY SILT-CLAY-SND	518	523
* ITEM 6 DRILLING FROM 420 TO TD WAS W/ 8" CSG. ALL 8" CSG SUBSEQUENTLY REMOVED		

Work started 4/14, 19 77 Completed 6/2, 19 77

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME RICHARDSON DRILLING CO (Person, firm, or corporation) (Type or print)

Address TACOMA, WA

[Signed] (Well Driller) GEOLOGIST

License No. 10318 Date 3/29, 19 78

ROBINSON & NOBLE, INC.
10318 Gravelly Lake Dr. S.W.
Tacoma, Wash. 98499

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

The Department of Ecology does NOT Warrant the Data and/or the Information on this Well Report.

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT
STATE OF WASHINGTON

Application No. 25/02-19M
Permit No. G1-23075

(1) **OWNER:** Name NORTH PERRY AVE W.D. Address 2921 PERRY AVE BREMERTON 98310

(2) **LOCATION OF WELL:** County KITSAP — NW¼ SW¼ Sec. 19 T. 25 N., R. 2E W.M.
Bearing and distance from section or subdivision corner 1120' S & 125' E OF W¼ COR - SEC. 19.

(3) **PROPOSED USE:** Domestic ☐ Industrial ☐ Municipal ☒
Irrigation ☐ Test Well ☐ Other ☐

(4) **TYPE OF WORK:** Owner's number of well (if more than one) GILBERTON 2
New well ☒ Method: Dug ☐ Bored ☐
Deepened ☐ Cable ☒ Driven ☐
Reconditioned ☐ Rotary ☐ Jetted ☐

(5) **DIMENSIONS:** Diameter of well 12 - 8 - 6 inches.
Drilled 523 ft. Depth of completed well 490 ft.

(6) **CONSTRUCTION DETAILS:**
Casing installed: 16" Diam. from 0 ft. to 32 ft.
Threaded ☐ 12" Diam. from 0 ft. to 420 ft.
Welded ☒* 6" Diam. from 455 ft. to 390 ft.

Perforations: Yes ☐ No ☒
Type of perforator used
SIZE of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

Screens: Yes ☒ No ☐
Manufacturer's Name JOHNSON
Type STAINLESS V Model No
Diam. 6 PS Slot size 100/150 from 455 ft. to 480 ft.
Diam. 6 ID Slot size BLANK from 480 ft. to 490 ft.

Gravel packed: Yes ☒ No ☐ Size of gravel: PEA
Gravel placed from bottom ft. to 392 ft.

Surface seal: Yes ☒ No ☐ To what depth? 32 ft.
Material used in seal 34" - 16" ANNULUS: CONCRETE
Did any strata contain unusable water? Yes ☐ No ☒
Type of water? Depth of strata
Method of sealing strata off

(7) **PUMP:** Manufacturer's Name
Type: H.P.

(8) **WATER LEVELS:** Land-surface elevation above mean sea level 140± ft.
Static level 97.3 ft. below top of well Date 6/2/77
Artesian pressure lbs. per square inch Date
Artesian water is controlled by (Cap, valve, etc.)

(9) **WELL TESTS:** Drawdown is amount water level is lowered below static level DRILLER'S
Was a pump test made? Yes ☒ No ☐ If yes, by whom? R.C.H.
Yield: 315 gal./min. with 96.2 ft. drawdown after 6 hrs.
" " " "
" " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level
INACCURATE DATA		(K 3000 JACOBS RECOVERY)			

Date of test 6/2/77
Bailer test gal./min. with ft. drawdown after hrs.
Artesian flow g.p.m. Date
Temperature of water Was a chemical analysis made? Yes ☒ No ☐

(10) **WELL LOG:**
Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL	FROM	TO
BROWN SND, SOME GRAVEL, COMPACT	0	103
GRAVEL & SAND	103	116
GRAY SND, SOME GVL, SOME WATER	116	200
GRAY SLT	200	244
GRAY CLAY, BLUE SLT	244	300
FINE BLUE SND, SOME WATER	300	325
SAND & CLAY, SILTY	325	400
GRAY CLAY	400	451
GRAY TO GRAY-BRN GRAVEL & SAND TENDING TO SILTY SND & GRAVEL WITH DEPTH TOP OF UNIT RICH W/ MARINE SHELLS, BOTTOM CONTAINS WOOD FLECKS	451	518
BLUE-GRAY SILT - CLAY - SND	518	523
* ITEM 6 DRILLING FROM 420 TO TD WAS W/ 8" CSG. ALL 8" CSG SUBSEQUENTLY REMOVED		

Work started 4/14, 1977. Completed 6/2, 1977

WELL DRILLER'S STATEMENT:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME RICHARDSON DRILLING CO (Person, firm, or corporation) (Type or print)
Address TACOMA, WA
[Signed] (Well Driller) GE012657
License No. 10318 Date 6.W. 3/29, 1978

ROBINSON & NOBLE, INC.
Gravelly Lake Drive
Tacoma, Wash. 98499

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

RECEIVED
APR 1 1976
DEPT OF ECOLOGY

File Original and First Copy with Department of Ecology
Second Copy Owner's Copy
Third Copy Driller's Copy

WATER WELL REPORT

STATE OF WASHINGTON

25/01-25L
Application No

Permit No

(1) OWNER: Name NORTH PERRY AVE. WATER DIST. Address

(2) LOCATION OF WELL: County KITSAP - NE ¼ SW ¼ Sec 25 T 25 N, R 1 W.M.

Bearing and distance from section or subdivision corner APPROX 3600'W AND 1800'N OF SE COR SEC 25

(3) PROPOSED USE: Domestic ☐ Industrial ☐ Municipal ☒
Irrigation ☐ Test Well ☐ Other ☐

(4) TYPE OF WORK: Owner's number of well (if more than one) MEADOWDALE WELL 2
New well ☒ Method: Dug ☐ Bored ☐
Deepened ☐ Cable ☒ Driven ☐
Reconditioned ☐ Rotary ☐ Jetted ☐

(5) DIMENSIONS: Diameter of well 12 inches.
Drilled 700 ft. Depth of completed well 700 ft.

(6) CONSTRUCTION DETAILS:

Casing installed: 16" Diam. from +1 ft. to 400 ft.
Threaded ☐ " Diam. from +1.4 ft. to 583 ft.
Welded ☒ " Diam. from ft. to ft.

Perforations: Yes ☐ No ☒
Type of perforator used
SIZE of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

Screens: Yes ☒ No ☐
Manufacturer's Name JOHNSON
Type S.S. WATERMARK Model No
Diam. 6"PS Slot size 35 from 580.3 ft. to 590.7 ft.
Diam. " Slot size 35 from 600.7 ft. to 616 ft.
" 35 652 693

Gravel packed: Yes ☒ No ☐ Size of gravel AQUA 8
Gravel placed from 700 ft. to 556 ft.

Surface seal: Yes ☒ No ☐ To what depth? 20+ ft.
Material used in seal CONCRETE
Did any strata contain unusable water? Yes ☐ No ☒
Type of water? Depth of strata
Method of sealing strata off

(7) PUMP: Manufacturer's Name N.A.
Type: H.P.

(8) WATER LEVELS: Land-surface elevation above mean sea level ≈ 330 ft.
Static level 312.0 ft. below top of well Date
Artesian pressure lbs. per square inch Date
Artesian water is controlled by (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☒ No ☐ If yes, by whom? R+N, INC.
Yield: 408 gal./min. with 105.6 ft. drawdown after 24 hrs.
" " " "
" " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level
0	418	50	341.6	1650	318.9
10½	351.5	101	337.5		
20	347.5	188	333.9		

Date of test 7/11-12/85
Bailer test gal./min. with ft. drawdown after hrs.
Artesian flow g.p.m. Date
Temperature of water 47 Was a chemical analysis made? Yes ☒ No ☐
H_2S ODOR

(10) WELL LOG:

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL	FROM	TO
BROWN MEDIUM SAND	0	25
BROWN SANDY SILT	25	40
GRAY SANDY SILT	40	50
GRAY CLAYEY SILT	50	77
GRAY TILL	77	97
SILTY GRAVEL	97	100
BROWN CLAYEY TILL, OCC GRAVELLY LAYER WITH SOME WATER	100	218
BROWN SANDY SILT, SCATTERED PEBBLES GRADES TO GRAY W/ SANDY LAYERS	218	292
GRAY CLAYEY SILT W/ THIN SAND LAYERS, SOME WATER	292	360
GRAY CLAYEY SILT	360	388
GRAY CLAYEY SILT	388	417
BLUE GRAY CLAY	417	452
GRAY CLAYEY SILT W/ OCC PEBBLY OR SANDY LAYERS	452	481
GRAY SAND AND GRAVEL	481	487
GRITTY TO GRAVELLY CLAYEY SILT	487	576
SANDY GRAVEL	576	579
TILL	579	585
GRAY F-M SAND, SLIGHTLY TO MODERATELY SILTY W/ SOME GRAVELLY LAYERS	585	673
GRAY F-M SAND, GRAVELLY AND MODERATELY SILTY	673	700

PREPARED BY:
ROBINSON & NOBLE INC
FOS

RECEIVED
AUG 5 1985
DEPT. OF ECOLOGY

Work started 3/18 19 85 Completed 7/23 19 85

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME BURT WELL DRILLING (Person, firm, or corporation) (Type or print)

Address 19282 N.E. Lincoln Rd. Poulsbo, Wa. 98370

[Signed] George Burt (Well Driller)

License No. 0048 Date July, 1985

ORIGINAL SIGNED BY DRILLER

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20

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STATE OF WASHINGTON
DEPARTMENT OF CONSERVATION AND DEVELOPMENT

WELL LOG No. Appli. #4139

Date Dec. 27, 1955

Record by Robinson & Roberts

Source driller's record

Location: State of WASHINGTON

County Kitsap

Area

Map

NW ¼ NW ¼ sec. 7 T. 24N., R. 2 E. W

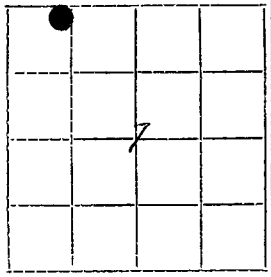

Diagram of Section

24N/2E-7D
File number

Drilling Co. Robinson & Roberts

Address Tacoma, Washington

Method of Drilling Date 12-27, 1955

Owner North Perry Ave. Water Dist.

Address Bremerton, Washington

Land surface, datum ft. above / below

Correlation	Material	Thickness (feet)	Depth (feet)
	(Transcribe driller's terminology literally but paraphrase as necessary, in parentheses. If material water-bearing, so state and record static level if reported. Give depths in feet below land-surface datum unless otherwise indicated. Correlate with stratigraphic column, if feasible. Following log of materials, list all casings, perforations, screens, etc.)		
	Clay, sandy brown	15	15
	" Blue, sand	71	86
	Gravel, cemented, brown	9	95
	Hardpan, bluish brown	13	108
	Hardpan, gray	69	177
	Sand & gravel, brown, hard-packed	9	186
	Clay, blue with a little gravel & sand	8	194
	Clay, blue with some sand	16	210
	Clay, gray, some sand	49	259
	Clay, gray	57	316
	Sand, dark water-bearing muddy	9	325
	Sand, dark, coarser, muddy	6	331
	Sand, cemented, dark, some clay	28	359

Turn up Sheet ____ of ____ sheets

WELL LOG.—Continued No...../.....-.....

CORRELATION	MATERIAL	THICKNESS (feet)	DEPTH (feet)
	Depth forward	28	359
	Gravel, fine & sand muddy	20	379
	Gravel & sand	9	388
	Coarse, sand little gravel	2	391
	Gravel & sand	14	405
	Sand & a little gravel	13	418
	Sand & gravel	18	436
	Cemented gravel	21	457
	Sand	23	480
	Dim. 8"x480'		
	SWL: 98 ft.		
	DD: 112 ft.		
	Yield: 412 g.pm.		
	CASING: 12" casing to 90' from ground		
	8" casing to 447' from ground		
	Bottom of casing plugged		
	concrete between 12" x 8" casings		

S. F. No. 7449—12-54—3M. 40108.

of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT
STATE OF WASHINGTON

25/01/36R Application No. 61-24718

Permit No. ...

(1) OWNER: Name NORTH PERRY AVE WATER DIST Address ...

(2) LOCATION OF WELL: County KITSAP SE ¼ SE ¼ Sec 36 T. 25 N., R. 1E W.M.

Bearing and distance from section or subdivision corner 300'N & 1200'W OF SE COR

(3) PROPOSED USE: Domestic ☐ Industrial ☐ Municipal ☒
Irrigation ☐ Test Well ☐ Other ☐

(4) TYPE OF WORK: Owner's number of well (if more than one) RIDDELL RD #1
New well ☒ Method: Dug ☐ Bored ☐
Deepened ☐ Cable ☒ Driven ☐
Reconditioned ☐ Rotary ☐ Jetted ☐

(5) DIMENSIONS: Diameter of well 16-12-8 inches.
Drilled 682 ft. Depth of completed well 680 ft.

(6) CONSTRUCTION DETAILS:
Casing installed: 16" Diam. from 0 ft. to 360 ft.
Threaded ☐ 12" Diam. from 0 ft. to 623 ft.
Welded ☒ 8" Diam. from 0 ft. to 660 ft.

Perforations: Yes ☐ No ☒
Type of perforator used ...
SIZE of perforations ... in. by ... in.
... perforations from ... ft. to ... ft.
... perforations from ... ft. to ... ft.
... perforations from ... ft. to ... ft.

Screens: Yes ☒ No ☐
Manufacturer's Name JOHNSON
Type SS V Model No. ...
Diam 6 PS Slot size 30 from 660 ft. to 674 ft.
Diam. ... Slot size ... from ... ft. to ... ft.

Gravel packed: Yes ☐ No ☒ Size of gravel ...
Gravel placed from ... ft. to ... ft.

Surface seal: Yes ☒ No ☐ To what depth? 20 ft.
Material used in seal CEMENT
Did any strata contain unusable water? Yes ☐ No ☒
Type of water? ... Depth of strata ...
Method of sealing strata off ...

(7) PUMP: Manufacturer's Name ...
Type: ... H.P. ...

(8) WATER LEVELS: Land-surface elevation above mean sea level 340 ft.
Static level 200 ft. below top of well Date 3/8/85
Artesian pressure ... lbs. per square inch Date ...
Artesian water is controlled by ... (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☒ No ☐ If yes, by whom? R&N
Yield: 300 gal./min. with 65 ft. drawdown after 6 hrs.
" " " "
" " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level
ON FILE		T= 9000			
FULL RECOVERY IN 3 HOURS					

Date of test 3/8/85
Bailer test ... gal./min. with ... ft. drawdown after ... hrs.
Artesian flow ... g.p.m. Date ...
Temperature of water ... Was a chemical analysis made? Yes ☒ No ☐

(10) WELL LOG:
Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL	FROM	TO
SILT, SANDY SILT, CLAYEY SILT	0	438
FINE SAND AND SILTY SAND, SOME WOOD, SOME SEEPAGE	438	592
GRAY SAND & GRAVEL W/B	592	617
GRAY SILT & SAND	617	659
GRAY COARSE SAND, SOME GRAVEL W/B	659	676
GRAY SILT	676	682

Case #19
Prepared for Johnson & Hall by Glenn Report Johnson
Glenn's

Work started 11/5 19 84 Completed 3/9 19 85

WELL DRILLER'S STATEMENT:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME BURT DRILLING Co. TIM TURNSON (Person, firm, or corporation) (Type or print)
Address PUYALLUP, WA.
[Signed] George Burt (Well Driller)
License No. 0048 Date 4-, 19 85

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20

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File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT
STATE OF WASHINGTON

Application No. 24-25R

Permit No. 61-24090P

(1) **OWNER:** Name NORTH PERRY AVE WATER DIST. #1 Address 2921 PERRY AVE, BREM., WA. 98310

(2) **LOCATION OF WELL:** County KITSAP, SUNSET TANK TH-1 SE ¼ SE ¼ Sec. 25 T. 25 N., R. 1E W.M.

Bearing and distance from section or subdivision corner 250' N, 150' W OF SE COR OF SEC 25

(3) **PROPOSED USE:** Domestic ☐ Industrial ☐ Municipal ☒
Irrigation ☐ Test Well ☒ Other ☐

(4) **TYPE OF WORK:** Owner's number of well (if more than one)
New well ☒ Method: Dug ☐ Bored ☐
Deepened ☐ Cable ☐ Driven ☐
Reconditioned ☐ Rotary ☒ Jetted ☐

(5) **DIMENSIONS:** Diameter of well 6 inches.
Drilled 1006 ft. Depth of completed well 885 ft.

(6) **CONSTRUCTION DETAILS:**

Casing installed: 8" Diam. from 0 ft. to 216 ft.
Threaded ☐ 6" Diam. from +2 ft. to 803 ft.
Welded ☒ " Diam. from ft. to ft.

Perforations: Yes ☐ No ☒
Type of perforator used
SIZE of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

Screens: Yes ☒ No ☐
Manufacturer's Name JOHNSON
Type 304 STAINLESS Model No.
Diam. 5" ID Slot size 20 from 802.3 ft. to 812.8 ft.
Diam. 5" ID Slot size 20 from 838.4 ft. to 860 ft.
5" ID 20 868.4 880

Gravel packed: Yes ☐ No ☒ Size of gravel:
Gravel placed from ft. to ft.

Surface seal: Yes ☒ No ☐ To what depth? 20 ft.
Material used in seal BENTONITE
Did any strata contain unusable water? Yes ☐ No ☒
Type of water? Depth of strata
Method of sealing strata off

12409n

(7) **PUMP:** Manufacturer's Name
Type: H.P.

(8) **WATER LEVELS:** Land-surface elevation above mean sea level ≃ 400 ft.
Static level 331 ft. below top of well Date 11/28/78
Artesian pressure lbs. per square inch Date
Artesian water is controlled by (Cap, valve, etc.)

(9) **WELL TESTS:** Drawdown is amount water level is lowered below static level ROBINSON + NOBLE
Was a pump test made? Yes ☒ No ☐ If yes, by whom?
Yield: 125 gal./min. with ft. drawdown after hrs.
" 140 " SEE ATTACHED "
" " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test
Bailer test gal./min. with ft. drawdown after hrs.
Artesian flow g.p.m. Date
Temperature of water Was a chemical analysis made? Yes ☒ No ☐

(10) **WELL LOG:**

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL	FROM	TO
SAND, FINE, SILTY, AND SMALL GRAVEL	0	40
SAND AND GRAVE, SAND FINE TO COARSE, RUSTY BROWN, WITH SILT LAYERS	40	67
SILT, GRAY	67	84
TILL, GRAY	84	128
CLAY, SILTY, BROWN AND GRAY	128	155
SAND WITH GRAVEL, FINE TO VERY FINE SAND, BROWN, 40% GRAVEL	155	205
CLAY AND GRAVEL GRAY	205	212
SAND AND GRAVEL, BROWN, WITH VARYING AMOUNTS SILTS + CLAYS	212	266
SILT GRADING TO CLAY, BROWN	266	330
SILT, CLAYEY, GRADING TO SILTY CLAY, GRAY	330	425
SAND, FINE TO MEDIUM, GRAY	425	470
CLAY, SILTY, SANDY, GRAY	470	532
SILT, CLAYEY, WITH FINE TO VERY FINE SAND, GRAY	532	608
CLAY, SILTY, GRAY	608	690
CLAY, SILTY, SANDY, GRAY	690	720
CLAY, GRAY	720	726
GRAVEL AND CLAY WITH SAND	726	752
CLAY, SILTY, SANDY, GRAY, OCCASIONAL GRAVEL	752	777
GRAVEL, BASALTIC, DARK, WITH GRAY CLAY AND SAND	777	861
SILT, PEATY, BROWN	861	868
GRAVEL, BASALTIC, WITH SAND AND CLAY	868	895
SILT, CLAYEY, GRAY	895	1006
PREPARED BY: Martin B. Sabron ROBINSON + NOBLE, INC., TAC.		

Work started 8/29 19 78 Completed 10/11 19 78

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME RICHARDSON WELL DRILLING
(Person, firm, or corporation) (Type or print)

Address 219 115th S TAC WA.

[Signed] (Well Driller)

License No. 0419 Date 4/30 19 82

(USE ADDITIONAL SHEETS IF NECESSARY)

S. F. No. 7356—OS—(Rev. 4-71).

The Department of Ecology does NOT Warrant the Data and/or the Information on this Well Report.

Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

STATE OF WASHINGTON
DEPARTMENT OF CONSERVATION AND DEVELOPMENT

WELL LOG No. Appli. #4139

Date Dec. 27, 1955

Record by Robinson & Roberts

Source driller's record

Location: State of WASHINGTON

County Kitsap

Area

Map

NW ¼ NW ¼ sec. 7 T. 24N., R. 2 E. W

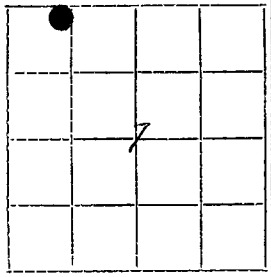

Diagram of Section

24N/2E-7D
File number

Drilling Co. Robinson & Roberts

Address Tacoma, Washington

Method of Drilling Date 12-27, 1955

Owner North Perry Ave. Water Dist.

Address Bremerton, Washington

Land surface, datum ft. above / below

Correlation	Material	Thickness (feet)	Depth (feet)
	(Transcribe driller's terminology literally but paraphrase as necessary, in parentheses. If material water-bearing, so state and record static level if reported. Give depths in feet below land-surface datum unless otherwise indicated. Correlate with stratigraphic column, if feasible. Following log of materials, list all casings, perforations, screens, etc.)		
	Clay, sandy brown	15	15
	" Blue, sand	71	86
	Gravel, cemented, brown	9	95
	Hardpan, bluish brown	13	108
	Hardpan, gray	69	177
	Sand & gravel, brown, hard-packed	9	186
	Clay, blue with a little gravel & sand	8	194
	Clay, blue with some sand	16	210
	Clay, gray, some sand	49	259
	Clay, gray	57	316
	Sand, dark water-bearing muddy	9	325
	Sand, dark, coarser, muddy	6	331
	Sand, cemented, dark, some clay	28	359

Turn up Sheet ____ of ____ sheets

WELL LOG.—Continued No...../.....-.....

CORRELATION	MATERIAL	THICKNESS (feet)	DEPTH (feet)
	Depth forward	28	359
	Gravel, fine & sand muddy	20	379
	Gravel & sand	9	388
	Coarse, sand little gravel	2	391
	Gravel & sand	14	405
	Sand & a little gravel	13	418
	Sand & gravel	18	436
	Cemented gravel	21	457
	Sand	23	480
	Dim. 8"x480'		
	SWL: 98 ft.		
	DD: 112 ft.		
	Yield: 412 g.pm.		
	CASING: 12" casing to 90' from ground		
	8" casing to 447' from ground		
	Bottom of casing plugged		
	concrete between 12" x 8" casings		

S. F. No. 7449—12-54—3M. 40108.

of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

STATE OF WASHINGTON
DEPARTMENT OF CONSERVATION
AND DEVELOPMENT

WELL LOG No Appli. 3781

Date Feb. 1955, 19

Record by Robinson & Roberts

Source driller's record

Location State of WASHINGTON

County Kitsap

Area

Map

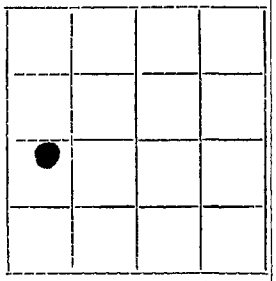

Diagram of Section

NE¼NW ¼ SW ¼ sec 7 T 24N, R 2 E WM

Drilling Co Robinson & Roberts

Address Tacoma, Washington

Method of Drilling Date , 19

Owner North Perry Ave. Water Dist.

Address Bremerton, Washington

Land surface, datum ft above below

24N/2E-7M

File number

CORRELATION	MATERIAL	THICKNESS (feet)	DEPTH (feet)
	(Transcribe driller's terminology literally but paraphrase as necessary in parentheses If material water-bearing so state and record static level if reported Give depths in feet below land surface datum unless otherwise indicated Correlate with stratigraphic column, if feasible Following log of materials list all casings perforations, screens etc)		
	Clay	8	8
	Sand & clay	6	14
	Clay, blue, gray & green	113	127
	Sand, very fine	25	152
	Clay, blue	60	212
	Sand & some gravel	74	286
	PUMP TEST:		
	Diam. 286'x12"		
	SWL: 50 ft.		
	DD: 88 ft.		
	Yield: 307 g.p.m.		

Turn up Sheet of sheets

RECEIVED

MAY 22 1997

DEPT OF ECOLOGY

ENTERED

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT

STATE OF WASHINGTON

Start Card No. W072792

UNIQUE WELL I.D. #ACQ351

Water Right Permit No. 25-1E-26B

(1) **OWNER:** Name North Perry Water District Address 2921 Perry Ave., Bremerton, WA 98310 P.O. Box 2183

(2) **LOCATION OF WELL:** County Kitsap NW 1/4 NE 1/4 Sec 26 T 25 N. R 1E W.M.

(2a) **STREET ADDRESS OF WELL** (or nearest address) Old Military Road & Fairgrounds Road

(3) **PROPOSED USE:** ☐ Domestic ☐ Industrial ☐ Municipal ☒ ☐ Irrigation ☐ Test Well ☐ Other ☐ ☐ DeWater

(4) **TYPE OF WORK:** Owner's number of well (If more than one) Well 14

Abandoned ☐ New well ☒ Method: Dug ☐ Bored ☐ Deepened ☐ Cable ☐ Driven ☐ Reconditioned ☐ Rotary ☐ Jetted ☐

(5) **DIMENSIONS:** Diameter of well 16 inches. Drilled 759 feet. Depth of completed well 715 ft.

(6) **CONSTRUCTION DETAILS:**

Casing installed: 20" Diam. from +1 ft. to 428 ft.
Welded ☐ 16" Diam. from +3 ft. to 618 ft.
Liner installed ☐
Threaded ☐ " Diam. from ft. to ft.

Perforations: Yes ☐ No ☒
Type of perforator used
SIZE of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

Screens: Yes ☒ No ☐
Manufacturer's Name
Type 304 SS, Wire-wound Model No.
Diam. 8 Slot size 0.030 from 618 ft. to 705 ft.
Diam. Slot size from ft. to ft.

Gravel packed: Yes ☒ No ☐ Size of gravel 8-12
Gravel placed from 557 ft. to 618 ft.

Surface seal: Yes ☒ No ☐ To what depth? 31 ft.
Material used in seal ~~Bentonite~~ NEAT CEMENT
Did any strata contain unusable water? Yes ☐ No ☒
Type of water? Depth of strata
Method of sealing strata off

(7) **PUMP:** Manufacturer's Name
Type: H.P.

(8) **WATER LEVELS:** Land-surface elevation above mean sea level Approx. 175 ft.
Static level 138.33 ft. below top of well Date 3/12/97
Artesian pressure lbs. per square inch Date
Artesian water is controlled by (Cap, valve, etc.)

(9) **WELL TESTS:** Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☒ No ☐ If yes, by whom? AGI Tech.
Yield: 1,000 gal./min. with 91.21 ft. drawdown after 24 hrs.

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level
4 min	172.29	90	161.62	680	153.05
12 min	167.81	180	160.00	1300	149.44
35 min	164.46	360	156.80	5626	141.36

Date of test 3/12/96 - 3/13/96
Bailer test gal./min. with ft. drawdown after hrs.
Airtest gal./min. with stem set at ft. for hrs.
Artesian flow g.p.m. Date
Temperature of water Was a chemical analysis made? Yes ☐ No ☐

(10) **WELL LOG or ABANDONMENT PROCEDURE DESCRIPTION**

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of information.

MATERIAL	FROM	TO
Gravel Fill	0	2
Brown Silt and Sand	2	9
Brown Silt and Clay	9	32
Gray Clay	32	140
Sand and Gravel, some Clay, minor W.B.	140	168
Sand and Clay, some Gravel minor W.B.	168	176
Gray, Sand some Clay	176	193
Gray Silt	193	235
Gray, Silt and Clay	235	270
Gray Silt and Clay, some Sand	270	301
Gray Silt and Clay	301	322
Gray Sand, Water-bearing	322	332
Gray Silt and Clay, some Sand	332	349
Gray cemented Sand and Gravel	349	360
Gray Clay, some Sand	360	364
Gray Clay	364	372
Gray Clay, some Sand	372	386
Gray Sand and Gravel	386	387.5
Gray Silt and Clay, some Sand	387.5	428
Gray Silt, some fine Sand	428	456
Gray Sticky Clay	456	465
Gray Sand and Gravel	465	466
Gray Silt and Clay, some Sand	466	480
Gray Silt and Sand, Boulders	480	503
Gray Silt, some Sand	503	602
Gray Sand, silty, minor Water-bearing	602	624
Gray Sand, Silty Water-bearing	624	638
Gray-brown, Sand, some Gravel, Water-bearing	638	644
Brown Sand, some Gravel, Water-bearing	644	656
Continued		

Work Started 8/26/96 19 Completed 3/13 19 97

WELL CONSTRUCTOR CERTIFICATION:

I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

NAME Arcadia Drilling Inc. (PERSON, FIRM, OR CORPORATION) (TYPE OR PRINT)

Address 170 SE Walker Park Rd. Shelton, WA 98584

(Signed) Jack DeRoo (WELL DRILLER) License No. 1149

Contractor's Registration No. ARCADDI098K1 Date 3/28/97 19

(USE ADDITIONAL SHEETS IF NECESSARY)

Ecology is an Equal Opportunity and Affirmative Action employer. For special accommodation needs, contact the Water Resources Program at (206) 407-6600. The TDD number is (206) 407-6006.

ECY 050-1-20 (9/93)

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

RECEIVED MAY 22 1997

ENTERED

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT

STATE OF WASHINGTON

Start Card No. W 072792

UNIQUE WELL I.D. # AQQ351

Water Right Permit No. 25-1E-26B

(1) **OWNER:** Name North Perry Water District Address 2921 Perry Ave., PO Box 2183, Bremerton, WA 98310

(2) **LOCATION OF WELL:** County Kitsap NW 1/4 NE 1/4 Sec 26 T 25 N. R 1E W.M.

(2a) **STREET ADDRESS OF WELL** (or nearest address) Old Military Road and Fairgrounds Road

(3) **PROPOSED USE:** ☐ Domestic ☐ Industrial ☐ Municipal ☐ ☐ Irrigation ☐ Test Well ☐ Other ☐ ☐ DeWater

(4) **TYPE OF WORK:** Owner's number of well (If more than one) ____

Abandoned ☐ New well ☐ Method: Dug ☐ Bored ☐ Deepened ☐ Cable ☐ Driven ☐ Reconditioned ☐ Rotary ☐ Jetted ☐

(5) **DIMENSIONS:** Diameter of well ____ inches. Drilled ____ feet. Depth of completed well ____ ft.

(6) **CONSTRUCTION DETAILS:**

Casing installed: ____" Diam. from ____ ft. to ____ ft.
Welded ☐ ____" Diam. from ____ ft. to ____ ft.
Liner installed ☐ Threaded ☐ ____" Diam. from ____ ft. to ____ ft.

Perforations: Yes ☐ No ☐
Type of perforator used ____
SIZE of perforations ____ in. by ____ in.
____ perforations from ____ ft. to ____ ft.
____ perforations from ____ ft. to ____ ft.
____ perforations from ____ ft. to ____ ft.

Screens: Yes ☐ No ☐
Manufacturer's Name ____
Type ____ Model No. ____
Diam. ____ Slot size ____ from ____ ft. to ____ ft.
Diam. ____ Slot size ____ from ____ ft. to ____ ft.

Gravel packed: Yes ☐ No ☐ Size of gravel ____
Gravel placed from ____ ft. to ____ ft.

Surface seal: Yes ☐ No ☐ To what depth? ____ ft.
Material used in seal ____
Did any strata contain unusable water? Yes ☐ No ☐
Type of water? ____ Depth of strata ____
Method of sealing strata off ____

(7) **PUMP:** Manufacturer's Name ____
Type: ____ H.P. ____

(8) **WATER LEVELS:** Land-surface elevation above mean sea level ____ ft.
Static level ____ ft. below top of well Date ____
Artesian pressure ____ lbs. per square inch Date ____
Artesian water is controlled by ____ (Cap, valve, etc.)

(9) **WELL TESTS:** Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☐ No ☐ If yes, by whom? ____
Yield: ____ gal./min. with ____ ft. drawdown after ____ hrs.
" " " "
" " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test ____
Bailer test ____ gal./min. with ____ ft. drawdown after ____ hrs.
Airtest ____ gal./min. with stem set at ____ ft. for ____ hrs.
Artesian flow ____ g.p.m. Date ____
Temperature of water ____ Was a chemical analysis made? Yes ☐ No ☐

(10) **WELL LOG or ABANDONMENT PROCEDURE DESCRIPTION**

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of information.

continued MATERIAL	FROM	TO
Gray-brown Sand, some Gravel, Water-bearing	656	666
Gray-brown Sand, silty, some Gravel, W.B.	666	678
Gray sand, silty, finer with depth/occ.		
Gravel, wood at 711', Water-bearing	678	752
Gray Silt , some fine Sand	752	759

Work Started 8/26/96 19 Completed 3/13/97 19

WELL CONSTRUCTOR CERTIFICATION:

I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

NAME Arcadia Drilling Inc. (PERSON, FIRM, OR CORPORATION) (TYPE OR PRINT)

Address 170 SE Walker Park Rd. Shelton, WA 98584

(Signed) [signature] (WELL DRILLER) License No. 1149

Contractor's Registration No. ARCADDI098K1 Date 3/28/97 19

(USE ADDITIONAL SHEETS IF NECESSARY)

Ecology is an Equal Opportunity and Affirmative Action employer. For special accommodation needs, contact the Water Resources Program at (206) 407-6600. The TDD number is (206) 407-6006.

ECY 050-1-20 (9/93) * * 1

24-1E-25C

214085

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WATER WELL REPORT

Original & 1st copy – Ecology, 2nd copy – owner, 3rd copy – driller

Construction/Decommission ("x" in circle)
- [x] Construction
- [ ] Decommission *ORIGINAL INSTALLATION Notice of Intent Number* _____

CURRENT
Notice of Intent No. W220602
Unique Ecology Well ID Tag No. ALK 141
Water Right Permit No. G1-26119
Property Owner Name City of Port Orchard
Well Street Address 1778 Bay street
City Port Orchard County Kitsap
Location NE 1/4-1/4 NW 1/4 Sec 25 Twn 24 R 1 (EWM or WWM) circle one
Lat/Long (s, t, r Still REQUIRED) Lat Deg _____ Lat Min/Sec _____ Long Deg _____ Long Min/Sec _____
Tax Parcel No. 402703300 10001

PROPOSED USE: [ ] Domestic [ ] Industrial [x] Municipal [ ] DeWater [ ] Irrigation [ ] Test Well [ ] Other _____

TYPE OF WORK: Owner's number of well (if more than one) 10
[x] New well [ ] Reconditioned [ ] Deepened
Method: [ ] Dug [ ] Bored [ ] Driven [x] Cable [x] Rotary [ ] Jetted

DIMENSIONS: Diameter of well 10 inches, drilled 1102 ft.
Depth of completed well 1074 ft.

CONSTRUCTION DETAILS 20" -5 150'
Casing Installed: [x] Welded 16" Diam. from 1.0 ft. to 430 ft.
[ ] Liner installed 12" Diam. from 1.0 ft. to 705 ft.
[ ] Threaded 10" Diam. from 3.5 ft. to 869 ft.

Perforations: [ ] Yes [x] No
Type of perforator used _____
SIZE of perfs _____ in. by _____ in. and no. of perfs _____ from _____ ft. to _____ ft.

Screens: [x] Yes [ ] No [x] K-Pac Location 852.4
Manufacturer's Name Johnson
Type 304 stainless Model No. Telescoping
Diam. 10" Slot size .030 from 863.7 ft. to 884 ft.
Diam. 10" Slot size .050 from 884 ft. to 935.4 ft.
Diam. 10" Slot size .030 from 935.4 ft. to 1068.5 ft.

Gravel/Filter packed: [ ] Yes [x] No [ ] Size of gravel/sand _____
Materials placed from _____ ft. to _____ ft.

Surface Seal: [x] Yes [ ] No To what depth? 150 ft.
Material used in seal Cement
Did any strata contain unusable water? [ ] Yes [x] No
Type of water? _____ Depth of strata _____
Method of sealing strata off _____

PUMP: Manufacturer's Name _____
Type: _____ H.P. _____

WATER LEVELS: Land-surface elevation above mean sea level 14 ft.
Static level _____ ft. below top of well Date _____
Artesian pressure 13.75 lbs. per square inch Date 10/25/06
Artesian water is controlled by valve (cap, valve, etc.)

WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? [x] Yes [ ] No If yes, by whom? R+N
Yield: 1200 gal./min. with 78 ft. drawdown after 24 hrs.
Yield: _____ gal./min. with _____ ft. drawdown after _____ hrs.
Yield: _____ gal./min. with _____ ft. drawdown after _____ hrs.
Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level
2	26.10	20	10.35	40	2.60
6	20.80	25	7.87	45	1.22
10	17.03	30	5.84	50	Flow

Date of test 10/25-26/2006
Bailer test _____ gal./min. with _____ ft. drawdown after _____ hrs.
Airtest _____ gal./min. with stem set at _____ ft. for _____ hrs.
Artesian flow 500 g.p.m. Date 10/24/06
Temperature of water 53F Was a chemical analysis made? [x] Yes [ ] No

CONSTRUCTION OR DECOMMISSION PROCEDURE

Formation: Describe by color, character, size of material and structure, and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of information. (USE ADDITIONAL SHEETS IF NECESSARY.)

MATERIAL	FROM	TO
Gray clay	0	78
Brown Gray silty clay	78	110
Gray clay	110	152
Gray clay, silty sand, small gravels, some water at 152	152	180
Gray clay	180	188
Gray silty sand	188	210
Gray silt	210	264
Gray sand + silt	264	280
Gray tight silty sand	280	347
Gray silt, silt + fine sand	347	375
Gray tight silty sand + silt	375	430
Gray clay	430	490
Gray silty sand	490	513
Gray silty sand with some gravel	513	521
Gray silty sand, tight clay	521	543
Gray Sand, gravels + wood	543	616
Gray silty fine sand + gravels	616	632
Gray fine silty sand	632	640
Gray silt + sand	640	655
Gray sand + silt	655	678
Gray sandy silt	678	705
Gray fine sand	705	748
Gray fine to coarse sand	748	865
Gray Gravel to 1.5" and sand	865	940
Gray coarse sand + small gravels	940	1085
Gray fine sand	1085	1100
Gray coarse sand + small gravels	1100	1102

Start Date 12-29-05 Completed Date 10-30-06

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

[x] Driller [ ] Engineer [ ] Trainee Name (Print) Wade Iversen
Driller/Engineer/Trainee Signature Wade Iversen
Driller or trainee License No. 0597

Drilling Company Boart Longyear Company - Holt Division
Address P.O. Box 1890
City, State, Zip Milton, WA. 98354
Contractor's Registration No. BOARTLC055PZ Date 11/21/06

If TRAINEE, Driller's Licensed No. _____
Driller's Signature _____

Ecology is an Equal Opportunity Employer.

ECY 050-1-20 (Rev 3/05)

The Department of Ecology does NOT warranty the Data and/or Information on this Well Report.

The Department of Ecology does NOT warranty the Data and/or the Information on this Well Report.

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404124

WATER WELL REPORT

Original & 1st copy – Ecology, 2nd copy – owner, 3rd copy – driller

Construction/Decommission *("x" in circle)*

☒ Construction

☐ Decommission *ORIGINAL INSTALLATION*

Notice of Intent Number W210118

PROPOSED USE: ☐ Domestic ☐ Industrial ☒ Municipal ☐ DeWater ☐ Irrigation ☐ Test Well ☐ Other ____

TYPE OF WORK: Owner's number of well (if more than one) 11

☒ New well ☐ Reconditioned *Method:* ☐ Dug ☐ Bored ☐ Driven ☐ Deepened ☒ Cable ☒ Rotary ☐ Jetted

DIMENSIONS: Diameter of well 12 inches, drilled 1080 ft. Depth of completed well 963 ft.

CONSTRUCTION DETAILS

Casing Installed: ☒ Welded 20" Diam. from +1 ft. to 355 ft.
☐ Liner installed 16" Diam. from +2 ft. to 597 ft.
☐ Threaded 12" Diam. From +2.3 ft. to 776 ft.

Perforations: ☐ Yes ☒ No

Type of perforator used ____

SIZE of perfs ____ in. by ____ in. and no. of perfs ____ from ____ ft. to ____ ft.

Screens: ☒ Yes ☐ No ☐ K-Pac Location ____

Manufacturer's Name Alloy

Type SS Model No. PS

Diam. 8 Slot size .040 from 813 ft. to 953 ft.

Diam. ____ Slot size ____ from ____ ft. to ____ ft.

Gravel/Filter packed: ☒ Yes ☐ No Size of gravel/sand 8x12

Materials placed from 713 ft. to 963 ft.

Surface Seal: ☒ Yes ☐ No To what depth? 20 ft.

Material used in seal bentonite chips

Did any strata contain unusable water? ☐ Yes ☒ No

Type of water? ____ Depth of strata ____

Method of sealing strata off ____

PUMP: Manufacturer's Name ____

Type: ____ H.P. ____

WATER LEVELS: Land-surface elevation above mean sea level 420 ft.

Static level 218.8 ft. below top of well Date 1/4/11

Artesian pressure ____ lbs. per square inch Date ____

Artesian water is controlled by ____ (cap, valve, etc.)

WELL TESTS: Drawdown is amount water level is lowered below static level

Was a pump test made? ☒ Yes ☐ No If yes, by whom? RN

Yield: 1,000 gal./min. with 133 ft. drawdown after 21.5 hrs.

Yield: ____ gal./min. with ____ ft. drawdown after ____ hrs.

Yield: ____ gal./min. with ____ ft. drawdown after ____ hrs.

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level
59	263.5				
1560	229.9				

Date of test Bailer test ____ gal./min. with ____ ft. drawdown after ____ hrs.

Airtest ____ gal./min. with stem set at ____ ft. for ____ hrs.

Artesian flow ____ g.p.m. Date ____

Temperature of water 48 Was a chemical analysis made? ☒ Yes ☐ No

CURRENT

Notice of Intent No. W210118

Unique Ecology Well ID Tag No. APP 308

Water Right Permit No. G1-26454

Property Owner Name City of Port Orchard

Well Street Address 5171 St. Andrews Dr

City Port Orchard County Kitsap

Location NE 1/4-1/4 NW 1/4 Sec 9 Twn 23N R 1E EWM ☒ Or WWM ☐

Lat/Long (s, t, r Still REQUIRED) Lat Deg ____ Min ____ Sec ____ Long Deg ____ Min ____ Sec ____

CONSTRUCTION OR DECOMMISSION PROCEDURE

Formation: Describe by color, character, size of material and structure, and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of information. (USE ADDITIONAL SHEETS IF NECESSARY.)

MATERIAL	FROM	TO
Brown gray claybound gravel	0	20
brown gray claybound gravel	20	
and sand		70
brown silty gravel sand WB	70	94
brown silt and clay	94	105
brown gray claybound gravel	105	159
brown silt clay & wood	159	170
brown claybound gravel	170	212
brown silty sand & gravel WB	212	267
brown silty sand clay layers	267	350
gray sticky clay	350	371
gray silty sand	371	392
gray brown silty sand	392	435
gray sticky clay	435	473
gray silt some sand	473	498
gray silty sand WB	498	512
gray silty sand wood WB	512	539
gray sticky clay	539	797
gray brown snad gravel wood	797	811
gray sand and grave WBl	811	833
gray sand and clay	833	856
gray snad gravel WB	856	875
gray snad gravel some clay WB	875	909
gray gravel and sand WB	909	934
brown sand WB	934	956
gray brown clay	956	978
gray clay sand and silt	978	1080

Start Date 9/10/09 Completed Date 10/7/11

Tax Parcel No. 092301-2-002-2003

RECEIVED FEB 08 2011 WATER RESOURCES - NWRO

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

☒ Driller ☐ Engineer ☐ Trainee Driller or trainee License No. 1476

Name (Print Last, First) Mickelsen , Todd

Driller/Engineer/Trainee Signature Todd Mickelsen

IF TRAINEE: Driller's License No:

Driller's Signature: Todd Mickelsen

Drilling Company Charon Drilling Inc.

Address 12719 E 224th Street

City, State, Zip Graham , WA, 98338

Contractor's Registration No. CHARODI133NF Date 3/19/07

ECY 050-1-20 (Rev 3/05)

Ecology is an Equal Opportunity Employer

WATER WELL REPORT

DEPARTMENT OF ECOLOGY State of Washington

Type of Work:
☑ Construction
☐ Decommission ⟹ Original installation NOI No. _____

Proposed Use: ☐ Domestic ☐ Industrial ☑ Municipal ☐ Dewatering ☐ Irrigation ☐ Test Well ☐ Other _____

Construction Type: ☑ New well ☐ Alteration ☐ Deepening ☐ Other _____
Method: ☐ Driven ☐ Jetted ☐ Cable Tool ☐ Dug ☐ Air- ☑ Mud-Rotary

Dimensions: Diameter of boring 36x28x19x10 in., to 2010 ft.
Depth of completed well 1920 ft.

Construction Details:

Casing	Liner	Diameter	From	To	Wall Thickness	Steel	PVC	Welded	Thread
☑	☐	20 in.	+2	1470	.50 in.	☑	☐	☑	☐
☐	☐	____ in.	____	____	____ in.	☐	☐	☐	☐
☐	☐	____ in.	____	____	____ in.	☐	☐	☐	☐
☐	☐	____ in.	____	____	____ in.	☐	☐	☐	☐

Perforations: ☐ Yes ☑ No Type of perforator used _____
No. of perforations ____ Size of perforations ____ in. by ____ in.
Perforated from ____ ft. to ____ ft. below ground surface

Screens: ☑ Yes ☐ No ☐ K-Packer ⟹ Depth ____ ft.
Manufacturer's Name Johnson
Type 304 Stainless Steel Model No. V-shaped Wire Wrap
Diameter 12" in. Slot size .045 in. from ** See Driller's
Diameter 10" in. Slot size .045 in. from Construction section

Sand/Filter pack: ☑ Yes ☐ No Size of pack material 8x12 in.
Materials placed from 1300 ft. to 1957 ft.

Surface Seal: ☑ Yes ☐ No To what depth? 1470 ft.
Material used in seal Cement Grout
Did any strata contain unusable water? ☐ Yes ☐ No
Type of water? _____ Depth of strata _____
Method of sealing strata off _____

Pump: Manufacturer's Name N/A Type: _____
H.P. ____ Pump intake depth: ____ ft. Designed flow rate: ____ gpm

Water Levels: Land-surface elevation above mean sea level ~365 ft.
Stick-up of top of well casing 2 ft. above ground surface
Static water level 222 ft. below top of well casing Date 6/5/20
Artesian pressure ____ lbs. per square inch Date _____
Artesian water is controlled by _____ (cap, valve, etc.)

Well Tests:
Was a pumping test performed? ☐ No ☑ Yes ⟹ by whom? SWS
Yield 1540 gpm with 190 ft. drawdown after 24 hrs.
Yield ____ gpm with ____ ft. drawdown after ____ hrs.
Yield ____ gpm with ____ ft. drawdown after ____ hrs.
Recovery data (time = zero when pump is turned off – water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of pumping test 5/18/20-5/19/20
Bailer test ____ gpm with ____ ft. drawdown after ____ hrs.
Air test ____ gpm with stem set at ____ ft. for ____ hrs. Date _____
Artesian flow ____ gpm
Temperature of water 63 °F Was a chemical analysis made? ☑ Yes ☐ No

Notice of Intent No. WE35039
Unique Ecology Well ID Tag No. AAS 236
Site Well Name (if more than one well): Well 13
Water Right Permit/Certificate No. G1-26119P
Property Owner Name City of Port Orchard
Well Street Address 4940 Bethel Road SE
City Port Orchard County Kitsap
Tax Parcel No. 11230110112000
Was a variance approved for this well? ☐ Yes ☑ No
If yes, what was the variance for? _____

Location (see instructions on page 2): ☐ WWM or ☑ EWM
NE ¼-¼ of the NE ¼; Section 11 Township 23N Range 1E
Latitude (Example: 47.12345) 47.5035
Longitude (Example: -120.12345) -120.6348

Driller's Log/Construction or Decommission Procedure
Formation: Describe by color, character, size of material and structure, and the kind and nature of the material in each layer penetrated, with at least one entry for each change of information. Use additional sheets if necessary.

Material	From	To
See Attached Formation Log		
****Screen Assembly**		
14"x.375 LCS TOE LH nipple & 14x12 reducer	1300	1304
12"x.375 LCS blank	1304	1450
12" SS screen	1450	1460
12"x.375 LCS blank	1460	1500
12" SS screen	1500	1525
12"x.375 LCS blank	1525	1530
12" SS screen	1530	1550
12" Schedule 40S 304SS blank	1550	1570
12"x10" Schedule 40 304SS bell reducer	1550	1551
10" Schedule 40S 304SS blank	1551	1627
10" SS screen	1627	1647
10" Schedule 40S 304SS blank	1647	1733
10" SS screen	1733	1738
10" Schedule 40S 304SS blank	1738	1745
10" SS screen	1745	1810
10" Schedule 40S 304SS blank	1810	1840
10" SS screen	1840	1900
10" Schedule 40S 304SS blank	1900	1920
10" Plate bottom 3/8" 304SS	1920	1920
LCS = Low Carbon Steel		

Received
Department of Ecology
JUN 29 2020
Water Resources Program
NWRO

Start Date 5/13/19 Completed Date 6/4/20

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

☑ Driller ☐ Trainee ☐ PE – Print Name Steve Schneider
Signature [signature]
License No. 0643
IF TRAINEE: Sponsor's License No.
Sponsor's Signature

Drilling Company Schneider Water Services
Address 21881 River RD NE
City, State, Zip St. Paul, OR, 97137
Contractor's Registration No. SCHNEEI940R8 Date 6/26/20

ECY 050-1-20 (Rev 08/19) *If you need this document in an alternate format, please call the Water Resources Program at 360-407-6872. Persons with hearing loss can call 711 for Washington Relay Service. Persons with a speech disability can call 877-833-6341.*

The Department of Ecology does NOT warranty the Data and/or information on this well report.

City of Port Orchard Well 13

NOI WE35039 - Well Tag ID #AAS236

Formation Log

by Schneider Water Services

FM	TO	DESCRIPTION
0	2	Gravel & sand, w/top soil
2	9	Sand, gray, medium-coarse
9	11	Clay, blue, medium, sandy
11	12	Sand, brown, silty w/some gravel, 1"-
12	34	Clay, tan, medium, sandy
34	45	Sand, brown and grey, medium to fine, silty
45	77	Sand, gray, medium to fine with thin lenses of silt, brown
77	138	Sand, grey, coarse to fine w/gravel, small, multi-color & some silt, brown
138	160	Clay, grey, medium w/some gravel, 3/4"-
160	198	Clay, grey, soft w/wood
198	478	Clay, grey, soft, sandy, silty
478	618	Clay, grey, soft, silty
618	633	Clay, soft, silty w/gravel & some lenses of clay, grey, medium hard
633	658	Gravel & cobbles w/sand, fine-coarse
658	738	Cobbles, Gravel, 3/4"-, multi-color w/sand & clay
738	783	Clay, grey, soft, silty, some gravel & occassional cobbles
783	838	Clay, grey, soft, sandy, w/gravel and cobbles.
838	857	Clay, grey, medium, some sandy, w/gravel & cobbles
857	879	Sand, grey, medium-fine w/gravel & cobbles
879	889	Sand, grey, coarse-fine w/some clay & gravel & cobbles
889	894	Gravel, multi-colored, coarse & sand, grey
894	914	Sand, multi colored, coarse-medium & some gravel
914	924	Gravel, green & grey, 1"- & some sand, coarse
924	954	Gravel, green & grey, 1"- & some sand, coarse, some cementation
954	961	Clay & gravel, multicolored
961	981	Gravel, multicolored, 1"-
981	991	Clay, light grey, medium, sandy w/sand, coarse & gravel
991	1055	Gravel, 3/4"- & sand w/some clay
1055	1071	Sand, coarse-fine & gravel, 3/4"-, w/clay, light grey, medium
1071	1095	Clay, light grey, medium, sandy
1095	1162	Silt, light grey & green, sandy
1162	1163	Clay w/wood & peat
1163	1215	Silt, light grey & green, sandy
1215	1285	Sand, grey, fine, silty & some gravel, 1/4"
1285	1301	Clay, grey, medium, silty
1301	1311	Sand, dark grey, coarse to medium, some gravel
1311	1316	Clay, grey, medium
1316	1330	Sand, light grey, fine, silty
1330	1356	Sand, light grey, fine, silty w/wood
1356	1366	Clay, brown, medium-soft w/some gravel, 3/4- & wood
1366	1392	Clay, grey, medium

The Department of Ecology does NOT warranty the Data and/or information on this well report.

Received
Department of Ecology
JUN 29 2020
Water Resources Program
NWRO

City of Port Orchard Well 13

NOI WE35039 - Well Tag ID #AAS236

Formation Log

by Schneider Water Services

FM	TO	DESCRIPTION
1392	1402	Sand, grey, coarse-fine & gravel 1"- w/wood
1402	1432	Clay, dark green, medium & wood & sand, coarse
1432	1478	Sand, dark grey, coarse-fine & gravel w/clay, green & wood
1478	1500	Sand, grey, fine-coarse & clay, silty
1500	1510	Gravel, 1"- w/clay lenses, grey
1510	1520	Gravel, 1"- & sand, medium-fine & occasional gravel
1520	1550	Sand, multicolored, coarse-fine & silt & some gravel
1550	1557	Clay, grey, medium
1557	1562	Clay, grey, medium, sandy-silty
1562	1582	Sand, fine, silty, some coarse-medium
1582	1602	Clay, brown & grey, medium soft, sticky
1602	1612	Clay, green, medium
1612	1622	Clay, brownish grey, medium soft, silty
1622	1629	Sand, grey, fine, silty
1629	1640	Gravel, 1/2"-
1640	1655	Clay, brown & grey, medium-soft
1655	1665	Clay, blue grey, medium
1665	1670	Clay, grey, medium, silty
1670	1673	Clay, grey & brown, medium w/wood
1673	1699	Clay, grey, medium w/some brown, silty
1699	1713	Sand, grey, fine-coarse, silty w/wood
1713	1721	Clay, brown, medium
1721	1731	Sand, grey, medium-fine w/lenses of clay, grey, medium
1731	1738	Sand, grey, medium-fine w/lenses of clay, tan, medium, silty
1738	1749	Clay, green, medium
1749	1769	Sand, grey, medium-coarse & some fine & gravel, 3/8"-
1769	1797	Gravel, 3/8"- & sand, coarse to fine
1797	1845	Sand, grey, medium, silty
1845	1855	Sand, grey, medium, silty w/gravel, 1/4"
1855	1865	Sand, grey, medium-coarse
1865	1870	Gravel, 3/8"- & sand, medium
1870	1905	Clay, green, medium, sandy-silty & sand, medium & gravel
1905	1913	Clay, grey, medium
1913	1955	Clay, grey, medium, silty-sandy
1955	1970	Sand, grey, medium to fine w/clay, silty & some wood
1970	1980	Clay, grey, medium
1980	1987	Sand, grey, medium-fine, silty
1987	1997	Clay, grey & green medium
1997	2007	Clay, grey, silty
2007	2010	Clay, grey, silty w/wood

The Department of Ecology does NOT warranty the Data and/or information on this well report.

Received
Department of Ecology
JUN 29 2020
Water Resources Program
NWRO

RECEIVED
By WELL CONSTRUCTION AND LICENSING OFFICE at 9:21 am, Jul 20, 2020

WATER WELL REPORT

DEPARTMENT OF ECOLOGY State of Washington

Type of Work:
☑ Construction
☐ Decommission ⟹ Original installation NOI No. _____

Proposed Use: ☐ Domestic ☐ Industrial ☑ Municipal ☐ Dewatering ☐ Irrigation ☐ Test Well ☐ Other _____

Construction Type: ☑ New well ☐ Alteration ☐ Deepening ☐ Other _____
Method: ☐ Driven ☐ Jetted ☐ Cable Tool ☐ Dug ☐ Air- ☑ Mud-Rotary

Dimensions: Diameter of boring 36x28x19x10 in., to 2010 ft.
Depth of completed well 1920 ft.

Construction Details:

Casing	Liner	Diameter	From	To	Wall Thickness	Steel	PVC	Welded	Thread
☑	☐	20 in.	+2	1470	.50 in.	☑	☐	☑	☐
☐	☐	____ in.	____	____	____ in.	☐	☐	☐	☐
☐	☐	____ in.	____	____	____ in.	☐	☐	☐	☐
☐	☐	____ in.	____	____	____ in.	☐	☐	☐	☐

Perforations: ☐ Yes ☑ No Type of perforator used _____
No. of perforations _____ Size of perforations _____ in. by _____ in.
Perforated from _____ ft. to _____ ft. below ground surface

Screens: ☑ Yes ☐ No ☐ K-Packer ⟹ Depth _____ ft.
Manufacturer's Name Johnson
Type 304 Stainless Steel Model No. V-shaped Wire Wrap
Diameter 12" in. Slot size .045 in. from ** See Driller's
Diameter 10" in. Slot size .045 in. from Construction section

Sand/Filter pack: ☑ Yes ☐ No Size of pack material 8x12 in.
Materials placed from 1300 ft. to 1957 ft.

Surface Seal: ☑ Yes ☐ No To what depth? 1470 ft.
Material used in seal Cement Grout
Did any strata contain unusable water? ☐ Yes ☐ No
Type of water? _____ Depth of strata _____
Method of sealing strata off _____

Pump: Manufacturer's Name N/A Type: _____
H.P. _____ Pump intake depth: _____ ft. Designed flow rate: _____ gpm

Water Levels: Land-surface elevation above mean sea level ~365 ft.
Stick-up of top of well casing 2 ft. above ground surface
Static water level 222 ft. below top of well casing Date 6/5/20
Artesian pressure _____ lbs. per square inch Date _____
Artesian water is controlled by _____ (cap, valve, etc.)

Well Tests:
Was a pumping test performed? ☐ No ☑ Yes ⟹ by whom? SWS
Yield 1540 gpm with 190 ft. drawdown after 24 hrs.
Yield _____ gpm with _____ ft. drawdown after _____ hrs.
Yield _____ gpm with _____ ft. drawdown after _____ hrs.
Recovery data (time = zero when pump is turned off – water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of pumping test 5/18/20-5/19/20
Bailer test _____ gpm with _____ ft. drawdown after _____ hrs.
Air test _____ gpm with stem set at _____ ft. for _____ hrs. Date _____
Artesian flow _____ gpm
Temperature of water 63 °F Was a chemical analysis made? ☑ Yes ☐ No

Notice of Intent No. WE35039
Unique Ecology Well ID Tag No. AAS 236
Site Well Name (if more than one well): Well 13
Water Right Permit/Certificate No. G1-26119P
Property Owner Name City of Port Orchard
Well Street Address 4940 Bethel Road SE
City Port Orchard County Kitsap
Tax Parcel No. 11230110112000
Was a variance approved for this well? ☐ Yes ☑ No
If yes, what was the variance for? _____

Location (see instructions on page 2): ☐ WWM or ☑ EWM
NE ¼-¼ of the NE ¼; Section 11 Township 23N Range 1E
Latitude (Example: 47.12345) 47.5035
Longitude (Example: -120.12345) -120.6348 -122.6348 (correction)

Driller's Log/Construction or Decommission Procedure
Formation: Describe by color, character, size of material and structure, and the kind and nature of the material in each layer penetrated, with at least one entry for each change of information. Use additional sheets if necessary.

Material	From	To
See Attached Formation Log		
**Screen Assembly		
14"x.375 LCS TOE LH nipple & 14x12 reducer	1300	1304
12"x.375 LCS blank	1304	1450
12" SS screen	1450	1460
12"x.375 LCS blank	1460	1500
12" SS screen	1500	1525
12"x.375 LCS blank	1525	1530
12" SS screen	1530	1550
12" Schedule 40S 304SS blank	1550	1570
12"x10" Schedule 40 304SS bell reducer	1550	1551
10" Schedule 40S 304SS blank	1551	1627
10" SS screen	1627	1647
10" Schedule 40S 304SS blank	1647	1733
10" SS screen	1733	1738
10" Schedule 40S 304SS blank	1738	1745
10" SS screen	1745	1810
10" Schedule 40S 304SS blank	1810	1840
10" SS screen	1840	1900
10" Schedule 40S 304SS blank	1900	1920
10" Plate bottom 3/8" 304SS	1920	1920
LCS = Low Carbon Steel		

Received
Department of Ecology
JUN 29 2020
Water Resources Program

Start Date 5/13/19 Completed Date 6/4/20

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

☑ Driller ☐ Trainee ☐ PE – Print Name Steve Schneider
Signature [signature]
License No. 0643
IF TRAINEE: Sponsor's License No.
Sponsor's Signature

Drilling Company Schneider Water Services
Address 21881 River RD NE
City, State, Zip St. Paul, OR, 97137
Contractor's Registration No. SCHNEEI940R8 Date 6/26/20

ECY 050-1-20 (Rev 08/19) *If you need this document in an alternate format, please call the Water Resources Program at 360-407-6872. Persons with hearing loss can call 711 for Washington Relay Service. Persons with a speech disability can call 877-833-6341.*

The Department of Ecology does NOT warranty the Data and/or information on this well report.

G W A - 12154

STATE OF WASHINGTON
DEPARTMENT OF CONSERVATION
DIVISION OF WATER RESOURCES

WELL LOG

Record by Driller
Source Driller's Record

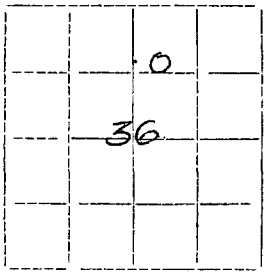

Diagram of Section

Location State of WASHINGTON
County Kitsap
Area Bremerton
Map
SW¼ NW ¼ NE ¼ sec 36 T 25 N R 1
Drilling Co Burt Well Drilling
Address Route 1 Box 283 - Poulsbo, Washington
Method of Drilling Date 9-2-71 - 1-4 1972
Owner Rasmussen Enterprise
Address McWilliams Road, Bremerton, Washington
Land surface datum 361 ft above ~~below~~ Sea Level
SWL 253 Date 1-4 , 1972 Dims 12 X 10

35/1E/36B
File number

CORRELATION	MATERIAL	From (feet)	To (feet)
	(Transcribe driller's terminology literally but paraphrase as necessary in parentheses. If material water bearing, so state and record static level if reported. Give depths in feet below land surface datum unless otherwise indicated. Correlate with stratigraphic column if feasible. Following log of materials list all casings, perforations, screens, etc.)		
	Top Soil	0	3
	Clay, Sandy & Gravel	3	10
	Sand, Cemented & Gravel	10	17
	Hardpan, Brown	17	43
	Clay, Silty Blue	43	75
	Hardpan Blue	75	99
	Hardpan, Gravelly Brown	99	104
	Clay, Gravelly Blue	104	142
	Sand & Gravel - Water bearing	144	145
	Clay, Sandy Blue	145	150
	Hardpan - gravelly	150	154
	Gravel, Dry	154	167
	Silt, Blue	167	206
	Sand, Fine - Dry	206	225
	Continued		

Turn up Sheet of sheets

Ecology does NOT Warranty the Data and/or the Information on this Well Report.

WELL LOG —Continued No / -

CORRELATION	MATERIAL	From (feet)	To (feet)
	Depth forward	———	
	Clay, Sandy Blue	225	268
	Clay, Blue	268	379
	Blue, Silt	379	516
	Clay, Blue	516	520
	Clay & Sand, mixed	520	533
	Gravel, Coarse - dry	533	536
	Gravel & Clay, mixed	536	540
	Sand & Gravel	540	546
	Sand, Blue, Fine	546	560
	Sand, Blue, Compact	560	571
	Sand & Gravel, Water bearing	571	604
	Casing 12" From 0' to 490'		
	10" from 0' to 604'		
	Screens Johnson, Stainless Steel		
	Diam 10, Slot Size 80		
	from 568' to 604'		
Pump	Well Test 268 gpm, 143' DD, 24 Hr		
	Water was back up within 1 Hr		
	Recovery in 1hr 1-4-72		
	Temp H_2O 48°		
	Chem Analysis Yes		

S F No 7449—OS—12 65

of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

FILED WITH APPLICATION

25/01-10N

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT
STATE OF WASHINGTON

Application No. G1-23004
Permit No.

(1) **OWNER:** Name SILVERDALE WATER DISTRICT Address SILVERDALE WA 98383

(2) **LOCATION OF WELL:** County KITSAP SW¼ SW¼ Sec 10 T 25 N., R 1E W.M.

Bearing and distance from section or subdivision corner 750' N & 100' E OF SW COR SEC 10

(3) **PROPOSED USE:** Domestic ☐ Industrial ☐ Municipal ☒
Irrigation ☐ Test Well ☐ Other ☐

(4) **TYPE OF WORK:** Owner's number of well (if more than one) BUCKLIN RIDGE WELL JUNE 2E #1
New well ☒ Method: Dug ☐ Bored ☐
Deepened ☐ Cable ☒ Driven ☐
Reconditioned ☐ Rotary ☐ Jetted ☐

(5) **DIMENSIONS:** Diameter of well 10-8-7 inches.
Drilled 539 ft. Depth of completed well 483 ft.

(6) **CONSTRUCTION DETAILS:**
Casing installed: 10 " Diam. from 0 ft. to 335 ft.
Threaded ☐ 8 " Diam. from 0 ft. to 469 ft.
Welded ☐ 7 " Diam. from 463 ft. to 483 ft.

Perforations: Yes ☐ No ☒
Type of perforator used
SIZE of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

Screens: Yes ☒ No ☐
Manufacturer's Name JOHNSON
Type SS WIRE WOUND Model No.
Diam. 6 5/8 Slot size 15-50 from 469 ft. to 478 ft.
Diam. " Slot size 30 from 478 ft. to 480 ft.

Gravel packed: Yes ☐ No ☒ Size of gravel:
Gravel placed from ft. to ft.

Surface seal: Yes ☒ No ☐ To what depth? 18 ft.
Material used in seal CONCRETE
Did any strata contain unusable water? Yes ☐ No ☒
Type of water? Depth of strata
Method of sealing strata off

(7) **PUMP:** Manufacturer's Name
Type: H.P.

(8) **WATER LEVELS:** Land-surface elevation above mean sea level ft.
Static level 213.7 ft. below top of well Date 1/20/76
Artesian pressure lbs. per square inch Date
Artesian water is controlled by (Cap, valve, etc.)

(9) **WELL TESTS:** Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☒ No ☐ If yes, by whom? R & N
Yield: 100 gal./min. with 76.8 ft. drawdown after 24 hrs.
" " " "
" " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level
ON FILE					

Date of test 1/20/76
Bailer test gal./min. with ft. drawdown after hrs.
Artesian flow g.p.m. Date
Temperature of water Was a chemical analysis made? Yes ☒ No ☐

(10) **WELL LOG:**
Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL	FROM	TO
SAND, Med - coarse	0	140
SND & GVL	140	150
" " " , CLAY BOUND (AS TILL)	150	165
SND, Fine to med	165	180
CLAY, SILT, SOME FINE SND SEAMS. BLUE & BROWN. SOME WEED NOTED ABOVE 246	180	439
SAND, SILTY	439	471
GRAVEL, SILTY, GRADING TO COARSER GRAVEL WITH COARSE SAND	471	491
BLUE SILTY SAND	491	539
G1-23004		

Work started NOV 1975 Completed JAN 1976

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME STORY & ARMSTRONG DRILLING CO
(Person, firm, or corporation) (Type or print)

Address PUYALLUP

[Signed] (Well Driller)

License No. 318 Date NOV 14, 1977

ROBINSON & NOBLE, INC.
Gravelly Lake Dr.
Tacoma, Wash. 98499

(USE ADDITIONAL SHEETS IF NECESSARY)

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

File Original and First Copy with Department of Ecology
Second Copy Owner's Copy
Third Copy Driller's Copy

WATER WELL REPORT

STATE OF WASHINGTON

Application No. 3[illegible]4

Permit No.

(1) OWNER: Name SILVERDALE WATER DISTRICT Address SILVERDALE, WA.

(2) LOCATION OF WELL: County KITSAP NE ¼ SE ¼ Sec 16 T 25 N., R. 1E W.M.

Bearing and distance from section or subdivision corner APPROX 1400'N AND 100'W OF SE COR OF SEC 16

(3) PROPOSED USE: Domestic ☐ Industrial ☐ Municipal ☒
Irrigation ☐ Test Well ☐ Other ☐

(4) TYPE OF WORK: Owner's number of well (if more than one) CHENA WELL 2
New well ☒ Method: Dug ☐ Bored ☐
Deepened ☐ Cable ☒ Driven ☐
Reconditioned ☐ Rotary ☐ Jetted ☐

(5) DIMENSIONS: Diameter of well 12 inches.
Drilled 294 ft. Depth of completed well 279.9 ft.

(6) CONSTRUCTION DETAILS:

Casing installed: 12 " Diam. from +1.4 ft. to 251.5 ft.
Threaded ☐ " Diam. from ft. to ft.
Welded ☒ " Diam. from ft. to ft.

Perforations: Yes ☐ No ☒
Type of perforator used
SIZE of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

Screens: Yes ☒ No ☐
Manufacturer's Name JOHNSON
Type STAINLESS Model No. WATERMARK
Diam. 6" PS Slot size .35 from 251.5 ft. to 270 ft.
Diam. Slot size from ft. to ft.

Gravel packed: Yes ☒ No ☐ Size of gravel: MONEREY AQUA 8
Gravel placed from 279.9 ft. to 223 ft.

Surface seal: Yes ☒ No ☐ To what depth? 20+ ft.
Material used in seal CEMENT
Did any strata contain unusable water? Yes ☐ No ☒
Type of water? Depth of strata.
Method of sealing strata off

(7) PUMP: Manufacturer's Name N.A.
Type: H.P.

(8) WATER LEVELS: Land-surface elevation above mean sea level 210 ft.
Static level 211.7 ft. below top of well Date 5/16/85
Artesian pressure lbs. per square inch Date
Artesian water is controlled by (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level ROBINSON & NOBLE
Was a pump test made? Yes ☐ No ☐ If yes, by whom?
Yield: 408 gal./min. with 66.3 ft. drawdown after 24 hrs.
" " " "
" " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level
0	178	25	116.85	152	114.8
1	125.4	63	116.1	285	113.9
10	121.0	102	115.5		

Date of test 5/16-17/85
Bailer test gal./min. with ft. drawdown after hrs.
Artesian flow g.p.m. Date
Temperature of water 49°F Was a chemical analysis made? Yes ☒ No ☐

(10) WELL LOG:

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL	FROM	TO
BLUE GRAY CLAYBOUND SAND AND GRAVEL	0	42
BROWN GRAY CLAYBOUND SAND AND GRAVEL	42	56
BROWN SAND AND SILT OCC. GRAVEL	56	108
BROWN SILT, SAND, AND GRAVEL SOME H_2O	108	126
BROWN SILTY SAND AND GRAVEL AND SAND WITH GRAVEL, H_2O	126	143
GRAY BROWN SILT, SAND, AND GRAVEL, LAYERS OF TAN SILTY SAND, H_2O	143	157
BROWN F + M SAND, SILTY, SOME GRAVEL, H_2O	157	196
BROWN F+M SAND, SILTY, OCC. GRAVEL, H_2O	196	212
BROWN M. SAND, SOME GRAVEL H_2O	212	252
BROWN WELL GRADED SAND AND GRAVEL	252	256
BROWN COARSE SAND WITH GRAVEL GRADES TO M. SAND WITH SOME GRAVEL, H_2O	256	275
BROWN FINE TO MED. SAND	275	291
LIGHT BROWN SILT	291	294

PREPARED BY:
ROBINSON & NOBLE, INC

RECEIVED
JUN 19 1985
DEPARTMENT OF ECOLOGY
NORTHWEST REGION

Work started 4/30/85 19 Completed 5/22/85 19

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME ARMSTRONG & CHARON, INC.
(Person, firm, or corporation) (Type or print)

Address 10715 66 Ave East

[Signed] John S Charon
(Well Driller)

License No. 0490 Date 6-17-, 1985

ORIGINAL SIGNED BY DRILLER

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

25/01-10 D

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT
STATE OF WASHINGTON

Application No. .....
Permit No. G1-24644

(1) OWNER: Name Silverdale Water District Address Silverdale WA.

(2) LOCATION OF WELL: County Kitsap — NW ¼ NW ¼ Sec. 10 T. 25 N., R. 1E W.M.

Bearing and distance from section or subdivision corner

(3) PROPOSED USE: Domestic ☐ Industrial ☐ Municipal ☒
Irrigation ☐ Test Well ☐ Other ☐

(4) TYPE OF WORK: Owner's number of well (if more than one) Ir. Lake 1
New well ☒ Method: Dug ☐ Bored ☐
Deepened ☐ Cable ☒ Driven ☐
Reconditioned ☐ Rotary ☐ Jetted ☐

(5) DIMENSIONS: Diameter of well 12 inches.
Drilled 623 ft. Depth of completed well 330 ft.

(6) CONSTRUCTION DETAILS:

Casing installed: 12 " Diam. from +2 ft. to 276.2 ft.
Threaded ☐ " Diam. from ft. to ft.
Welded ☒ " Diam. from ft. to ft.

Perforations: Yes ☐ No ☒
Type of perforator used
SIZE of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

Screens: Yes ☒ No ☐
Manufacturer's Name UOP JOHNSON
Type STAINLESS 304 Model No.
Diam. 10" Slot size 100 from 275 ft. to 285 ft.
Diam. 10" Slot size 20 from 285 ft. to 295 ft.
10" 20 310.3 320.3

Gravel packed: Yes ☐ No ☒ Size of gravel:
Gravel placed from ft. to ft.

Surface seal: Yes ☒ No ☐ To what depth? 44 ft.
Material used in seal Concrete
Did any strata contain unusable water? Yes ☐ No ☒
Type of water? Depth of strata
Method of sealing strata off

(7) PUMP: Manufacturer's Name NA
Type: H.P.

(8) WATER LEVELS: Land-surface elevation above mean sea level 420 ft.
Static level 221 ft. below top of well Date 7/22/85
Artesian pressure lbs. per square inch Date
Artesian water is controlled by (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☒ No ☐ If yes, by whom? RW
Yield: 550 gal./min. with 26 ft. drawdown after 11 hrs.
" STABILIZED " "
" " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level
INSTANT					

Date of test 7/22/85
Bailer test gal./min. with ft. drawdown after hrs.
Artesian flow g.p.m. Date
Temperature of water 48½° F Was a chemical analysis made? Yes ☐ No ☒

(10) WELL LOG:

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL	FROM	TO
Top Soil, Sand, Gravel, Silty Sand	0	6
Gray Silty Sand and Gravel	6	16
Silty Sand and Gravel with Layers of Silty Sand	16	68
Fine to Coarse Sand with Small Gravel	68	128
Silty Sand	128	134
Brown Silt	134	165
Gray and Brown Silt	165	181
Brown Silty Sand	181	226
Silty Sand and Gravel	226	246
Brown Silty Sand and Gravel	246	261
Brown Sand and Gravel	261	284
Brown and Sand with Some Gravel	284	318
Brown Sand and Gravel with Silt Layers	318	355
Brown Sand and Gravel with Silt Layers	355	370
Brown Silt, Gravel at 379-380	370	397
Gray Pebbly Sand	397	425
Gray Silty Sand and Gravel	425	431
Gray Silty Clay	431	451
Gray Silty Sand	451	464
Gray Silt	464	475
Clay, Sand with Gravel	475	499
Gravel, Silt, Gray	499	508
Gray Sand and Silt with Some Gravel	508	522
Gray Silty Clay	522	?
Bottom of Hole	623	

Work started 5, 19 85 Completed 7/85, 19

RECEIVED
AUG 27 1985
DEPARTMENT OF ECOLOGY
NORTHWEST REG.

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME Armstrong & Charon Drilling
(Person, firm, or corporation) (Type or print)

Address 10715 66th Ave E., Puyallup

[Signed] John Armstrong, by R+N
(Well Driller)

License No. Date , 19

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20

The Department of Ecology does NOT Warrant the Data and/or the Information on this Well Report.

Groundwater Management Plan Appendix G: Monthly Well Production Data

Production Well	Measurement Date	Production Voulme	Technician
Bill Point Water Well 1	1/31/2018	0	KPUD
Bill Point Water Well 1	2/28/2018	0	KPUD
Bill Point Water Well 1	3/31/2018	0	KPUD
Bill Point Water Well 1	4/30/2018	0	KPUD
Bill Point Water Well 1	5/31/2018	0	KPUD
Bill Point Water Well 1	6/30/2018	0	KPUD
Bill Point Water Well 1	7/31/2018	0	KPUD
Bill Point Water Well 1	8/31/2018	0	KPUD
Bill Point Water Well 1	9/30/2018	0	KPUD
Bill Point Water Well 1	10/31/2018	0	KPUD
Bill Point Water Well 1	11/30/2018	0	KPUD
Bill Point Water Well 1	12/31/2018	0	KPUD
Bill Point Water Well 1	1/31/2019	0	KPUD
Bill Point Water Well 1	2/28/2019	0	KPUD
Bill Point Water Well 1	3/31/2019	0	KPUD
Bill Point Water Well 1	4/30/2019	0	KPUD
Bill Point Water Well 1	5/31/2019	0	KPUD
Bill Point Water Well 1	6/30/2019	0	KPUD
Bill Point Water Well 1	7/31/2019	0	KPUD
Bill Point Water Well 1	8/31/2019	0	KPUD
Bill Point Water Well 1	9/30/2019	0	KPUD
Bill Point Water Well 1	10/31/2019	0	KPUD
Bill Point Water Well 1	11/30/2019	0	KPUD
Bill Point Water Well 1	12/31/2019	0	KPUD
Bill Point Water Well 1	1/31/2020	0	KPUD
Bill Point Water Well 1	2/29/2020	0	KPUD
Bill Point Water Well 1	3/31/2020	0	KPUD
Bill Point Water Well 1	4/30/2020	0	KPUD
Bill Point Water Well 1	5/31/2020	0	KPUD
Bill Point Water Well 1	6/30/2020	0	KPUD
Bill Point Water Well 1	7/31/2020	0	KPUD
Bill Point Water Well 1	8/31/2020	0	KPUD
Bill Point Water Well 1	9/30/2020	0	KPUD
Bill Point Water Well 1	10/31/2020	0	KPUD
Bill Point Water Well 1	11/30/2020	0	KPUD
Bill Point Water Well 1	12/31/2020	0	KPUD
Bill Point Water Well 2	1/31/2018	50751.8	KPUD
Bill Point Water Well 2	2/28/2018	39913.28	KPUD
Bill Point Water Well 2	3/31/2018	35896.52	KPUD
Bill Point Water Well 2	4/30/2018	45493.36	KPUD
Bill Point Water Well 2	5/31/2018	61537.96	KPUD
Bill Point Water Well 2	6/30/2018	83873.24	KPUD
Bill Point Water Well 2	7/31/2018	108863.92	KPUD
Bill Point Water Well 2	8/31/2018	146982	KPUD
Bill Point Water Well 2	9/30/2018	119171.36	KPUD
Bill Point Water Well 2	10/31/2018	47692.48	KPUD
Bill Point Water Well 2	11/30/2018	42299.4	KPUD
Bill Point Water Well 2	12/31/2018	39681.4	KPUD
Bill Point Water Well 2	1/31/2019	50564.8	KPUD
Bill Point Water Well 2	2/28/2019	40840.8	KPUD
Bill Point Water Well 2	3/31/2019	40279.8	KPUD

Production Well	Measurement Date	Production Voulme	Technician
Bill Point Water Well 2	4/30/2019	30510.92	KPUD
Bill Point Water Well 2	5/31/2019	75443.28	KPUD
Bill Point Water Well 2	6/30/2019	80843.84	KPUD
Bill Point Water Well 2	7/31/2019	110689.04	KPUD
Bill Point Water Well 2	8/31/2019	79123.44	KPUD
Bill Point Water Well 2	9/30/2019	57057.44	KPUD
Bill Point Water Well 2	10/31/2019	39621.56	KPUD
Bill Point Water Well 2	11/30/2019	35559.92	KPUD
Bill Point Water Well 2	12/31/2019	57319.24	KPUD
Bill Point Water Well 2	1/31/2020	55359.48	KPUD
Bill Point Water Well 2	2/29/2020	49996.32	KPUD
Bill Point Water Well 2	3/31/2020	34490.28	KPUD
Bill Point Water Well 2	4/30/2020	61283.64	KPUD
Bill Point Water Well 2	5/31/2020	57955.04	KPUD
Bill Point Water Well 2	6/30/2020	60789.96	KPUD
Bill Point Water Well 2	7/31/2020	41792.44	KPUD
Bill Point Water Well 2	8/31/2020	114062.52	KPUD
Bill Point Water Well 2	9/30/2020	117421.04	KPUD
Bill Point Water Well 2	10/31/2020	55366.96	KPUD
Bill Point Water Well 2	11/30/2020	45463.44	KPUD
Bill Point Water Well 2	12/31/2020	72825.28	KPUD
Bill Point Water Well 2	1/31/2021	42740.72	KPUD
Bill Point Water Well 2	2/28/2021	29321.6	KPUD
Bill Point Water Well 2	3/31/2021	48440.48	KPUD
Bill Point Water Well 2	4/30/2021	68943.16	KPUD
Bill Point Water Well 2	5/31/2021	95055.84	KPUD
Bill Point Water Well 2	6/30/2021	128940.24	KPUD
Bill Point Water Well 2	7/31/2021	135836.8	KPUD
Bill Point Water Well 2	8/31/2021	152786.48	KPUD
Bill Point Water Well 2	9/30/2021	86887.68	KPUD
Bill Point Water Well 2	10/31/2021	76587.72	KPUD
Bill Point Water Well 2	11/30/2021	59810.08	KPUD
Bill Point Water Well 2	12/31/2021	59226.64	KPUD
Bill Point Water Well 2	1/31/2022	103268.88	KPUD
Bill Point Water Well 2	2/28/2022	59361.28	KPUD
Bill Point Water Well 2	3/31/2022	65764.16	KPUD
Bill Point Water Well 2	4/30/2022	62428.08	KPUD
Bill Point Water Well 2	5/31/2022	75944.44	KPUD
Bill Point Water Well 2	6/30/2022	69003	KPUD
Bill Point Water Well 2	7/31/2022	151784.16	KPUD
Bill Point Water Well 2	8/31/2022	101413.84	KPUD
Bill Point Water Well 2	9/30/2022	91787.08	KPUD
Bill Point Water Well 2	10/31/2022	87919.92	KPUD
Bill Point Water Well 2	11/30/2022	52300.16	KPUD
Bill Point Water Well 2	12/31/2022	61141.52	KPUD
Bill Point Water Well 2	1/31/2023	85219.64	KPUD
Bill Point Water Well 2	2/28/2023	67364.88	KPUD
Bill Point Water Well 2	3/31/2023	65218.12	KPUD
Bill Point Water Well 2	4/30/2023	104159	KPUD
Bill Point Water Well 2	5/31/2023	113217.28	KPUD
Bill Point Water Well 2	6/30/2023	90141.48	KPUD

Production Well	Measurement Date	Production Voulme	Technician
Bill Point Water Well 2	7/31/2023	60655.32	KPUD
Bill Point Water Well 3	1/31/2018	130200	KPUD
Bill Point Water Well 3	2/28/2018	102780	KPUD
Bill Point Water Well 3	3/31/2018	93140	KPUD
Bill Point Water Well 3	4/30/2018	118480	KPUD
Bill Point Water Well 3	5/31/2018	160490	KPUD
Bill Point Water Well 3	6/30/2018	218820	KPUD
Bill Point Water Well 3	7/31/2018	284190	KPUD
Bill Point Water Well 3	8/31/2018	383570	KPUD
Bill Point Water Well 3	9/30/2018	310750	KPUD
Bill Point Water Well 3	10/31/2018	124120	KPUD
Bill Point Water Well 3	11/30/2018	110540	KPUD
Bill Point Water Well 3	12/31/2018	103570	KPUD
Bill Point Water Well 3	1/31/2019	131810	KPUD
Bill Point Water Well 3	2/28/2019	106490	KPUD
Bill Point Water Well 3	3/31/2019	105200	KPUD
Bill Point Water Well 3	4/30/2019	130970	KPUD
Bill Point Water Well 3	5/31/2019	213410	KPUD
Bill Point Water Well 3	6/30/2019	211390	KPUD
Bill Point Water Well 3	7/31/2019	297370	KPUD
Bill Point Water Well 3	8/31/2019	268190	KPUD
Bill Point Water Well 3	9/30/2019	195940	KPUD
Bill Point Water Well 3	10/31/2019	157540	KPUD
Bill Point Water Well 3	11/30/2019	114510	KPUD
Bill Point Water Well 3	12/31/2019	139960	KPUD
Bill Point Water Well 3	1/31/2020	107080	KPUD
Bill Point Water Well 3	2/29/2020	132520	KPUD
Bill Point Water Well 3	3/31/2020	89790	KPUD
Bill Point Water Well 3	4/30/2020	150470	KPUD
Bill Point Water Well 3	5/31/2020	145180	KPUD
Bill Point Water Well 3	6/30/2020	161730	KPUD
Bill Point Water Well 3	7/31/2020	315630	KPUD
Bill Point Water Well 3	8/31/2020	327540	KPUD
Bill Point Water Well 3	9/30/2020	253830	KPUD
Bill Point Water Well 3	10/31/2020	138000	KPUD
Bill Point Water Well 3	11/30/2020	110660	KPUD
Bill Point Water Well 3	12/31/2020	195080	KPUD
Bill Point Water Well 3	1/31/2021	123800	KPUD
Bill Point Water Well 3	2/28/2021	53840	KPUD
Bill Point Water Well 3	3/31/2021	170000	KPUD
Bill Point Water Well 3	4/30/2021	200300	KPUD
Bill Point Water Well 3	5/31/2021	244600	KPUD
Bill Point Water Well 3	6/30/2021	282600	KPUD
Bill Point Water Well 3	7/31/2021	450700	KPUD
Bill Point Water Well 3	8/31/2021	337200	KPUD
Bill Point Water Well 3	9/30/2021	229600	KPUD
Bill Point Water Well 3	10/31/2021	157020	KPUD
Bill Point Water Well 3	11/30/2021	162526	KPUD
Bill Point Water Well 3	12/31/2021	144654	KPUD
Bill Point Water Well 3	1/31/2022	155119	KPUD
Bill Point Water Well 3	2/28/2022	133181	KPUD

Production Well	Measurement Date	Production Voulme	Technician
Bill Point Water Well 3	3/31/2022	139300	KPUD
Bill Point Water Well 3	4/30/2022	171600	KPUD
Bill Point Water Well 3	5/31/2022	146989	KPUD
Bill Point Water Well 3	6/30/2022	166611	KPUD
Bill Point Water Well 3	7/31/2022	207296	KPUD
Bill Point Water Well 3	8/31/2022	251016	KPUD
Bill Point Water Well 3	9/30/2022	220788	KPUD
Bill Point Water Well 3	10/31/2022	208400	KPUD
Bill Point Water Well 3	11/30/2022	121600	KPUD
Bill Point Water Well 3	12/31/2022	127200	KPUD
Bill Point Water Well 3	1/31/2023	145274	KPUD
Bill Point Water Well 3	2/28/2023	113226	KPUD
Bill Point Water Well 3	3/31/2023	107300	KPUD
Bill Point Water Well 3	4/30/2023	170429	KPUD
Bill Point Water Well 3	5/31/2023	229128	KPUD
Bill Point Water Well 3	6/30/2023	222443	KPUD
Bill Point Water Well 3	7/31/2023	69000	not specified
Bill Point Water Well 4	1/31/2018	141787.8	KPUD
Bill Point Water Well 4	2/28/2018	109909.8	KPUD
Bill Point Water Well 4	3/31/2018	101316.6	KPUD
Bill Point Water Well 4	4/30/2018	126680.4	KPUD
Bill Point Water Well 4	5/31/2018	170616.6	KPUD
Bill Point Water Well 4	6/30/2018	234788.4	KPUD
Bill Point Water Well 4	7/31/2018	303910	KPUD
Bill Point Water Well 4	8/31/2018	410800	KPUD
Bill Point Water Well 4	9/30/2018	332400	KPUD
Bill Point Water Well 4	10/31/2018	133960	KPUD
Bill Point Water Well 4	11/30/2018	118610	KPUD
Bill Point Water Well 4	12/31/2018	111990	KPUD
Bill Point Water Well 4	1/31/2019	142720	KPUD
Bill Point Water Well 4	2/28/2019	115820	KPUD
Bill Point Water Well 4	3/31/2019	114660	KPUD
Bill Point Water Well 4	4/30/2019	113340	KPUD
Bill Point Water Well 4	5/31/2019	212390	KPUD
Bill Point Water Well 4	6/30/2019	227960	KPUD
Bill Point Water Well 4	7/31/2019	311820	KPUD
Bill Point Water Well 4	8/31/2019	270110	KPUD
Bill Point Water Well 4	9/30/2019	168690	KPUD
Bill Point Water Well 4	10/31/2019	167230	KPUD
Bill Point Water Well 4	11/30/2019	146650	KPUD
Bill Point Water Well 4	12/31/2019	118090	KPUD
Bill Point Water Well 4	1/31/2020	113860	KPUD
Bill Point Water Well 4	2/29/2020	125120	KPUD
Bill Point Water Well 4	3/31/2020	102120	KPUD
Bill Point Water Well 4	4/30/2020	175780	KPUD
Bill Point Water Well 4	5/31/2020	183740	KPUD
Bill Point Water Well 4	6/30/2020	198290	KPUD
Bill Point Water Well 4	7/31/2020	372720	KPUD
Bill Point Water Well 4	8/31/2020	364130	KPUD
Bill Point Water Well 4	9/30/2020	380060	KPUD
Bill Point Water Well 4	10/31/2020	162560	KPUD

Production Well	Measurement Date	Production Voulme	Technician
Bill Point Water Well 4	11/30/2020	138820	KPUD
Bill Point Water Well 4	12/31/2020	225180	KPUD
Bill Point Water Well 4	1/31/2021	141310	KPUD
Bill Point Water Well 4	2/28/2021	142550	KPUD
Bill Point Water Well 4	3/31/2021	180140	KPUD
Bill Point Water Well 4	4/30/2021	174310	KPUD
Bill Point Water Well 4	5/31/2021	323630	KPUD
Bill Point Water Well 4	6/30/2021	306460	KPUD
Bill Point Water Well 4	7/31/2021	378110	KPUD
Bill Point Water Well 4	8/31/2021	426540	KPUD
Bill Point Water Well 4	9/30/2021	216730	KPUD
Bill Point Water Well 4	10/31/2021	146260	KPUD
Bill Point Water Well 4	11/30/2021	190730	KPUD
Bill Point Water Well 4	12/31/2021	162060	KPUD
Bill Point Water Well 4	1/31/2022	149790	KPUD
Bill Point Water Well 4	2/28/2022	131780	KPUD
Bill Point Water Well 4	3/31/2022	139040	KPUD
Bill Point Water Well 4	4/30/2022	147190	KPUD
Bill Point Water Well 4	5/31/2022	186060	KPUD
Bill Point Water Well 4	6/30/2022	166710	KPUD
Bill Point Water Well 4	7/31/2022	407190	KPUD
Bill Point Water Well 4	8/31/2022	267540	KPUD
Bill Point Water Well 4	9/30/2022	240510	KPUD
Bill Point Water Well 4	10/31/2022	255110	KPUD
Bill Point Water Well 4	11/30/2022	135910	KPUD
Bill Point Water Well 4	12/31/2022	130320	KPUD
Bill Point Water Well 4	1/31/2023	148120	KPUD
Bill Point Water Well 4	2/28/2023	125910	KPUD
Bill Point Water Well 4	3/31/2023	115210	KPUD
Bill Point Water Well 4	4/30/2023	178780	KPUD
Bill Point Water Well 4	5/31/2023	244870	KPUD
Bill Point Water Well 4	6/30/2023	230260	KPUD
Bill Point Water Well 4	7/31/2023	66020	KPUD
Fletcher Bay PW	12/31/1995	95944000	not specified
Fletcher Bay PW	12/31/1996	77571000	not specified
Fletcher Bay PW	12/31/1997	66761000	not specified
Fletcher Bay PW	12/31/1998	76615000	not specified
Fletcher Bay PW	12/31/1999	79564000	not specified
Fletcher Bay PW	12/31/2000	75607000	not specified
Fletcher Bay PW	1/15/2001	7393000	not specified
Fletcher Bay PW	2/15/2001	6120000	not specified
Fletcher Bay PW	3/15/2001	7124000	not specified
Fletcher Bay PW	4/15/2001	8809000	not specified
Fletcher Bay PW	5/15/2001	9165000	not specified
Fletcher Bay PW	6/15/2001	7798000	not specified
Fletcher Bay PW	7/15/2001	9957000	not specified
Fletcher Bay PW	8/15/2001	9161000	not specified
Fletcher Bay PW	9/15/2001	8360000	not specified
Fletcher Bay PW	10/15/2001	6364000	not specified
Fletcher Bay PW	11/15/2001	7585000	not specified
Fletcher Bay PW	12/15/2001	6813000	not specified

Production Well	Measurement Date	Production Voulme	Technician
Fletcher Bay PW	1/15/2002	6642000	not specified
Fletcher Bay PW	2/15/2002	5623000	not specified
Fletcher Bay PW	3/15/2002	6812000	not specified
Fletcher Bay PW	4/15/2002	6404000	not specified
Fletcher Bay PW	5/15/2002	7681000	not specified
Fletcher Bay PW	6/15/2002	10320000	not specified
Fletcher Bay PW	7/15/2002	10982000	not specified
Fletcher Bay PW	8/15/2002	12425000	not specified
Fletcher Bay PW	9/15/2002	9880000	not specified
Fletcher Bay PW	10/15/2002	7522000	not specified
Fletcher Bay PW	11/15/2002	6859000	not specified
Fletcher Bay PW	12/15/2002	6297000	not specified
Fletcher Bay PW	1/15/2003	5784000	not specified
Fletcher Bay PW	2/15/2003	3592000	not specified
Fletcher Bay PW	3/15/2003	6538000	not specified
Fletcher Bay PW	4/15/2003	5189000	not specified
Fletcher Bay PW	5/15/2003	8477000	not specified
Fletcher Bay PW	6/15/2003	10764000	not specified
Fletcher Bay PW	7/15/2003	13492000	not specified
Fletcher Bay PW	8/15/2003	11726000	not specified
Fletcher Bay PW	9/15/2003	9119000	not specified
Fletcher Bay PW	10/15/2003	7359000	not specified
Fletcher Bay PW	11/15/2003	5532000	not specified
Fletcher Bay PW	12/15/2003	6091000	not specified
Fletcher Bay PW	1/15/2004	4969000	not specified
Fletcher Bay PW	2/15/2004	4173000	not specified
Fletcher Bay PW	3/15/2004	6101000	not specified
Fletcher Bay PW	4/15/2004	8182000	not specified
Fletcher Bay PW	5/15/2004	7463000	not specified
Fletcher Bay PW	6/15/2004	11276000	not specified
Fletcher Bay PW	7/15/2004	12240000	not specified
Fletcher Bay PW	8/15/2004	11559000	not specified
Fletcher Bay PW	9/15/2004	5958000	not specified
Fletcher Bay PW	10/15/2004	6577000	not specified
Fletcher Bay PW	11/15/2004	7763000	not specified
Fletcher Bay PW	12/17/2004	4940000	COBI-PW
Fletcher Bay PW	1/13/2005	5263000	COBI-PW
Fletcher Bay PW	2/15/2005	8236000	COBI-PW
Fletcher Bay PW	3/17/2005	9001000	COBI-PW
Fletcher Bay PW	4/15/2005	8118000	COBI-PW
Fletcher Bay PW	5/17/2005	7674000	COBI-PW
Fletcher Bay PW	6/16/2005	5756000	COBI-PW
Fletcher Bay PW	7/15/2005	5938000	COBI-PW
Fletcher Bay PW	8/16/2005	10547000	COBI-PW
Fletcher Bay PW	9/13/2005	7625000	COBI-PW
Fletcher Bay PW	10/18/2005	8980000	COBI-PW
Fletcher Bay PW	11/16/2005	4490000	COBI-PW
Fletcher Bay PW	12/15/2005	4409000	COBI-PW
Fletcher Bay PW	1/12/2006	4343000	COBI-PW
Fletcher Bay PW	2/15/2006	4964000	COBI-PW
Fletcher Bay PW	3/16/2006	3893000	COBI-PW

Production Well	Measurement Date	Production Voulme	Technician
Fletcher Bay PW	4/17/2006	0	COBI-PW
Fletcher Bay PW	5/16/2006	0	COBI-PW
Fletcher Bay PW	6/15/2006	1465000	COBI-PW
Fletcher Bay PW	7/13/2006	8674000	COBI-PW
Fletcher Bay PW	8/17/2006	14116000	COBI-PW
Fletcher Bay PW	9/14/2006	9757000	COBI-PW
Fletcher Bay PW	10/12/2006	7177000	COBI-PW
Fletcher Bay PW	11/14/2006	2731000	COBI-PW
Fletcher Bay PW	12/14/2006	5488000	COBI-PW
Fletcher Bay PW	1/18/2007	7143000	COBI-PW
Fletcher Bay PW	2/14/2007	6478000	COBI-PW
Fletcher Bay PW	3/12/2007	8596000	COBI-PW
Fletcher Bay PW	4/17/2007	8347000	COBI-PW
Fletcher Bay PW	5/16/2007	7555000	COBI-PW
Fletcher Bay PW	6/14/2007	9228000	COBI-PW
Fletcher Bay PW	7/17/2007	12778000	COBI-PW
Fletcher Bay PW	8/14/2007	11076000	COBI-PW
Fletcher Bay PW	9/18/2007	12676000	COBI-PW
Fletcher Bay PW	10/17/2007	6423000	COBI-PW
Fletcher Bay PW	11/19/2007	6668000	COBI-PW
Fletcher Bay PW	12/18/2007	5189000	COBI-PW
Fletcher Bay PW	1/16/2008	5963000	COBI-PW
Fletcher Bay PW	2/14/2008	5779000	COBI-PW
Fletcher Bay PW	3/12/2008	6154000	COBI-PW
Fletcher Bay PW	4/15/2008	8268000	COBI-PW
Fletcher Bay PW	5/19/2008	8989000	COBI-PW
Fletcher Bay PW	6/17/2008	8671000	COBI-PW
Fletcher Bay PW	7/18/2008	11928000	COBI-PW
Fletcher Bay PW	8/14/2008	10372000	COBI-PW
Fletcher Bay PW	9/16/2008	9550000	COBI-PW
Fletcher Bay PW	1/15/2009	4417600	COBI-PW
Fletcher Bay PW	2/11/2009	4286076	COBI-PW
Fletcher Bay PW	3/13/2009	4396516	COBI-PW
Fletcher Bay PW	4/15/2009	1643548	COBI-PW
Fletcher Bay PW	5/14/2009	62248	COBI-PW
Fletcher Bay PW	6/17/2009	5933640	COBI-PW
Fletcher Bay PW	7/15/2009	9523944	COBI-PW
Fletcher Bay PW	8/13/2009	11376324	COBI-PW
Fletcher Bay PW	9/15/2009	9271940	COBI-PW
Fletcher Bay PW	10/14/2009	5904524	COBI-PW
Fletcher Bay PW	11/17/2009	4135476	COBI-PW
Fletcher Bay PW	12/16/2009	4195716	COBI-PW
Fletcher Bay PW	1/15/2010	2876460	COBI-PW
Fletcher Bay PW	2/18/2010	5734848	COBI-PW
Fletcher Bay PW	3/16/2010	5200720	COBI-PW
Fletcher Bay PW	4/14/2010	6987840	COBI-PW
Fletcher Bay PW	5/13/2010	4405552	COBI-PW
Fletcher Bay PW	6/23/2010	7559116	COBI-PW
Fletcher Bay PW	7/13/2010	6016972	COBI-PW
Fletcher Bay PW	8/20/2010	12361248	COBI-PW
Fletcher Bay PW	9/15/2010	6728808	COBI-PW

Production Well	Measurement Date	Production Voulme	Technician
Fletcher Bay PW	10/15/2010	4765988	COBI-PW
Fletcher Bay PW	11/12/2010	6079220	COBI-PW
Fletcher Bay PW	12/15/2010	4767996	COBI-PW
Fletcher Bay PW	1/18/2011	5421136	COBI-PW
Fletcher Bay PW	2/22/2011	5185608	COBI-PW
Fletcher Bay PW	3/15/2011	3064858	COBI-PW
Fletcher Bay PW	4/19/2011	7700568	COBI-PW
Fletcher Bay PW	5/17/2011	3870244	COBI-PW
Fletcher Bay PW	6/15/2011	501994	COBI-PW
Fletcher Bay PW	7/20/2011	5827322	COBI-PW
Fletcher Bay PW	8/18/2011	4974032	COBI-PW
Fletcher Bay PW	9/14/2011	6694584	COBI-PW
Fletcher Bay PW	10/20/2011	4794392	COBI-PW
Fletcher Bay PW	11/16/2011	5627722	COBI-PW
Fletcher Bay PW	12/16/2011	6420134	COBI-PW
Fletcher Bay PW	1/12/2012	5810356	COBI-PW
Fletcher Bay PW	2/15/2012	6662648	COBI-PW
Fletcher Bay PW	3/19/2012	5584808	COBI-PW
Fletcher Bay PW	4/17/2012	2257476	COBI-PW
Fletcher Bay PW	5/10/2012	4442098	COBI-PW
Fletcher Bay PW	6/19/2012	5874228	COBI-PW
Fletcher Bay PW	7/18/2012	5244490	COBI-PW
Fletcher Bay PW	8/20/2012	7535898	COBI-PW
Fletcher Bay PW	9/18/2012	5993988	COBI-PW
Fletcher Bay PW	10/16/2012	2252486	COBI-PW
Fletcher Bay PW	11/14/2012	1791410	COBI-PW
Fletcher Bay PW	12/20/2012	1276442	COBI-PW
Fletcher Bay PW	1/17/2013	1800392	COBI-PW
Fletcher Bay PW	2/12/2013	4614752	COBI-PW
Fletcher Bay PW	3/19/2013	7372226	COBI-PW
Fletcher Bay PW	4/15/2013	2730528	COBI-PW
Fletcher Bay PW	5/15/2013	0	COBI-PW
Fletcher Bay PW	6/19/2013	1409176	COBI-PW
Fletcher Bay PW	7/19/2013	1871250	COBI-PW
Fletcher Bay PW	8/16/2013	8126714	COBI-PW
Fletcher Bay PW	9/19/2013	8415136	COBI-PW
Fletcher Bay PW	10/25/2013	8414138	COBI-PW
Fletcher Bay PW	11/21/2013	6103768	COBI-PW
Fletcher Bay PW	12/12/2013	4431120	COBI-PW
Fletcher Bay PW	1/21/2014	7881000	COBI-PW
Fletcher Bay PW	2/21/2014	5854000	COBI-PW
Fletcher Bay PW	3/20/2014	4273000	COBI-PW
Fletcher Bay PW	4/22/2014	2839000	COBI-PW
Fletcher Bay PW	5/19/2014	6925000	COBI-PW
Fletcher Bay PW	6/17/2014	9264000	COBI-PW
Fletcher Bay PW	7/16/2014	10024000	COBI-PW
Fletcher Bay PW	8/26/2014	11983000	COBI-PW
Fletcher Bay PW	9/18/2014	6028000	COBI-PW
Fletcher Bay PW	10/15/2014	2897000	COBI-PW
Fletcher Bay PW	11/19/2014	8182000	COBI-PW
Fletcher Bay PW	12/22/2014	4403000	COBI-PW

Production Well	Measurement Date	Production Voulme	Technician
Fletcher Bay PW	1/15/2015	1360000	COBI-PW
Fletcher Bay PW	2/17/2015	7008000	COBI-PW
Fletcher Bay PW	3/16/2015	4409000	COBI-PW
Fletcher Bay PW	4/21/2015	7059000	COBI-PW
Fletcher Bay PW	5/21/2015	5271000	COBI-PW
Fletcher Bay PW	6/23/2015	10157000	COBI-PW
Fletcher Bay PW	7/16/2015	9444000	COBI-PW
Fletcher Bay PW	8/17/2015	11658000	COBI-PW
Fletcher Bay PW	9/21/2015	8080000	COBI-PW
Fletcher Bay PW	10/14/2015	4576000	COBI-PW
Fletcher Bay PW	11/20/2015	10009000	COBI-PW
Fletcher Bay PW	12/21/2015	8088000	COBI-PW
Fletcher Bay PW	1/26/2016	9234000	COBI-PW
Fletcher Bay PW	2/24/2016	7211000	COBI-PW
Fletcher Bay PW	3/21/2016	6993000	COBI-PW
Fletcher Bay PW	4/25/2016	10614000	COBI-PW
Fletcher Bay PW	5/18/2016	6094000	COBI-PW
Fletcher Bay PW	6/22/2016	10664000	COBI-PW
Fletcher Bay PW	7/20/2016	8350000	COBI-PW
Fletcher Bay PW	8/15/2016	6296000	COBI-PW
Fletcher Bay PW	10/3/2016	16039000	COBI-PW
Fletcher Bay PW	10/26/2016	4614000	COBI-PW
Fletcher Bay PW	11/30/2016	4658000	COBI-PW
Fletcher Bay PW	12/29/2016	5246000	COBI-PW
Fletcher Bay PW	1/24/2017	5559000	COBI-PW
Fletcher Bay PW	2/23/2017	3067000	COBI-PW
Fletcher Bay PW	3/23/2017	3778000	COBI-PW
Fletcher Bay PW	4/19/2017	5289000	COBI-PW
Fletcher Bay PW	5/22/2017	9104000	COBI-PW
Fletcher Bay PW	6/23/2017	11631000	COBI-PW
Fletcher Bay PW	7/18/2017	8605000	COBI-PW
Fletcher Bay PW	8/15/2017	12700000	COBI-PW
Fletcher Bay PW	9/20/2017	11654000	COBI-PW
Fletcher Bay PW	10/18/2017	6904000	COBI-PW
Fletcher Bay PW	11/22/2017	7531000	COBI-PW
Fletcher Bay PW	12/14/2017	3189000	COBI-PW
Fletcher Bay PW	1/22/2018	5938000	COBI-PW
Fletcher Bay PW	2/13/2018	888000	COBI-PW
Fletcher Bay PW	3/19/2018	5527000	COBI-PW
Fletcher Bay PW	4/18/2018	7761000	COBI-PW
Fletcher Bay PW	5/17/2018	4837000	COBI-PW
Fletcher Bay PW	6/14/2018	8718000	COBI-PW
Fletcher Bay PW	7/19/2018	12883000	COBI-PW
Fletcher Bay PW	8/16/2018	11040000	COBI-PW
Fletcher Bay PW	9/15/2018	0	COBI-PW
Fletcher Bay PW	10/17/2018	17930000	COBI-PW
Fletcher Bay PW	11/14/2018	4908000	COBI-PW
Fletcher Bay PW	12/17/2018	4388000	COBI-PW
Fletcher Bay PW	1/16/2019	7343000	COBI-PW
Fletcher Bay PW	2/21/2019	8014000	COBI-PW
Fletcher Bay PW	3/18/2019	5249000	COBI-PW

Production Well	Measurement Date	Production Voulme	Technician
Fletcher Bay PW	4/16/2019	6808000	COBI-PW
Fletcher Bay PW	5/16/2019	8737000	COBI-PW
Fletcher Bay PW	6/18/2019	10583000	COBI-PW
Fletcher Bay PW	7/17/2019	9868000	COBI-PW
Fletcher Bay PW	8/16/2019	10620000	COBI-PW
Fletcher Bay PW	9/20/2019	10819000	COBI-PW
Fletcher Bay PW	10/16/2019	4701000	COBI-PW
Fletcher Bay PW	11/18/2019	5374000	COBI-PW
Fletcher Bay PW	12/16/2019	4767000	COBI-PW
Fletcher Bay PW	1/16/2020	6193000	COBI-PW
Fletcher Bay PW	2/19/2020	6937000	COBI-PW
Fletcher Bay PW	3/17/2020	5164000	COBI-PW
Fletcher Bay PW	4/20/2020	8956000	COBI-PW
Fletcher Bay PW	5/19/2020	7615000	COBI-PW
Fletcher Bay PW	6/17/2020	7551000	COBI-PW
Fletcher Bay PW	7/16/2020	8408000	COBI-PW
Fletcher Bay PW	8/18/2020	12817000	COBI-PW
Fletcher Bay PW	9/17/2020	11204000	COBI-PW
Fletcher Bay PW	10/16/2020	6768000	COBI-PW
Fletcher Bay PW	11/19/2020	3497000	COBI-PW
Fletcher Bay PW	12/17/2020	4769000	COBI-PW
Fletcher Bay PW	1/20/2021	6040000	COBI-PW
Fletcher Bay PW	2/23/2021	4649000	COBI-PW
Fletcher Bay PW	3/18/2021	5282000	COBI-PW
Fletcher Bay PW	5/19/2021	17476000	COBI-PW
Fletcher Bay PW	6/17/2021	8560000	COBI-PW
Fletcher Bay PW	7/15/2021	11847000	COBI-PW
Fletcher Bay PW	8/18/2021	13329000	COBI-PW
Fletcher Bay PW	9/14/2021	8881000	COBI-PW
Fletcher Bay PW	10/18/2021	6246000	COBI-PW
Fletcher Bay PW	11/16/2021	6338000	COBI-PW
Fletcher Bay PW	12/20/2021	6837000	COBI-PW
Harbor Crest	1/31/1996	0	KPUD
Harbor Crest	2/29/1996	0	KPUD
Harbor Crest	3/31/1996	0	KPUD
Harbor Crest	4/30/1996	0	KPUD
Harbor Crest	6/30/1996	54880	KPUD
Harbor Crest	7/31/1996	288380	KPUD
Harbor Crest	8/31/1996	224550	KPUD
Harbor Crest	9/30/1996	129360	KPUD
Harbor Crest	10/31/1996	99930	KPUD
Harbor Crest	11/30/1996	76670	KPUD
Harbor Crest	12/31/1996	104450	KPUD
Harbor Crest	1/31/1997	90480	KPUD
Harbor Crest	2/28/1997	90300	KPUD
Harbor Crest	3/31/1997	103830	KPUD
Harbor Crest	4/30/1997	98770	KPUD
Harbor Crest	5/31/1997	112660	KPUD
Harbor Crest	6/30/1997	122180	KPUD
Harbor Crest	7/31/1997	185670	KPUD
Harbor Crest	8/31/1997	206320	KPUD

Production Well	Measurement Date	Production Voulme	Technician
Harbor Crest	9/30/1997	125970	KPUD
Harbor Crest	10/31/1997	89010	KPUD
Harbor Crest	11/30/1997	98030	KPUD
Harbor Crest	12/31/1997	113860	KPUD
Harbor Crest	1/31/1998	86100	KPUD
Harbor Crest	2/28/1998	80680	KPUD
Harbor Crest	3/31/1998	90190	KPUD
Harbor Crest	4/30/1998	96470	KPUD
Harbor Crest	5/31/1998	107110	KPUD
Harbor Crest	6/30/1998	148240	KPUD
Harbor Crest	7/31/1998	208830	KPUD
Harbor Crest	8/31/1998	292440	KPUD
Harbor Crest	9/30/1998	162950	KPUD
Harbor Crest	10/31/1998	87920	KPUD
Harbor Crest	11/30/1998	97620	KPUD
Harbor Crest	12/31/1998	92580	KPUD
Harbor Crest	1/31/1999	99310	KPUD
Harbor Crest	2/28/1999	287720	KPUD
Harbor Crest	3/31/1999	105600	KPUD
Harbor Crest	4/30/1999	95280	KPUD
Harbor Crest	5/31/1999	112710	KPUD
Harbor Crest	6/30/1999	131310	KPUD
Harbor Crest	7/31/1999	163780	KPUD
Harbor Crest	8/31/1999	153510	KPUD
Harbor Crest	9/30/1999	206500	KPUD
Harbor Crest	10/31/1999	135330	KPUD
Harbor Crest	11/30/1999	122670	KPUD
Harbor Crest	12/31/1999	137390	KPUD
Harbor Crest	1/31/2000	92780	KPUD
Harbor Crest	2/29/2000	80200	KPUD
Harbor Crest	3/31/2000	91440	KPUD
Harbor Crest	4/30/2000	94050	KPUD
Harbor Crest	5/31/2000	123400	KPUD
Harbor Crest	6/30/2000	191190	KPUD
Harbor Crest	7/31/2000	212260	KPUD
Harbor Crest	8/31/2000	257110	KPUD
Harbor Crest	9/30/2000	105650	KPUD
Harbor Crest	10/31/2000	93600	KPUD
Harbor Crest	11/30/2000	117530	KPUD
Harbor Crest	12/31/2000	78890	KPUD
Harbor Crest	1/31/2001	92980	KPUD
Harbor Crest	2/28/2001	93300	KPUD
Harbor Crest	3/31/2001	96220	KPUD
Harbor Crest	4/30/2001	104870	KPUD
Harbor Crest	5/31/2001	124030	KPUD
Harbor Crest	6/30/2001	108720	KPUD
Harbor Crest	7/31/2001	162080	KPUD
Harbor Crest	8/31/2001	159510	KPUD
Harbor Crest	9/30/2001	97780	KPUD
Harbor Crest	10/31/2001	95960	KPUD
Harbor Crest	11/30/2001	88610	KPUD

Production Well	Measurement Date	Production Voulme	Technician
Harbor Crest	12/31/2001	85230	KPUD
Harbor Crest	1/31/2002	86780	KPUD
Harbor Crest	2/28/2002	81560	KPUD
Harbor Crest	3/31/2002	85580	KPUD
Harbor Crest	4/30/2002	99850	KPUD
Harbor Crest	5/31/2002	102810	KPUD
Harbor Crest	6/30/2002	171010	KPUD
Harbor Crest	7/31/2002	170700	KPUD
Harbor Crest	8/31/2002	185420	KPUD
Harbor Crest	9/30/2002	169820	KPUD
Harbor Crest	10/31/2002	99770	KPUD
Harbor Crest	11/30/2002	92730	KPUD
Harbor Crest	12/31/2002	89490	KPUD
Harbor Crest	1/31/2003	1078400	KPUD
Harbor Crest	2/28/2003	302450	KPUD
Harbor Crest	3/31/2003	94290	KPUD
Harbor Crest	4/30/2003	1372280	KPUD
Harbor Crest	5/31/2003	68660	KPUD
Harbor Crest	6/30/2003	202740	KPUD
Harbor Crest	7/31/2003	266950	KPUD
Harbor Crest	8/31/2003	230590	KPUD
Harbor Crest	9/30/2003	256430	KPUD
Harbor Crest	10/31/2003	113410	KPUD
Harbor Crest	11/30/2003	1520110	KPUD
Harbor Crest	12/31/2003	78540	KPUD
Harbor Crest	1/31/2004	88650	KPUD
Harbor Crest	2/29/2004	76670	KPUD
Harbor Crest	3/31/2004	100310	KPUD
Harbor Crest	4/30/2004	84150	KPUD
Harbor Crest	5/31/2004	124280	KPUD
Harbor Crest	6/30/2004	163870	KPUD
Harbor Crest	7/31/2004	231700	KPUD
Harbor Crest	8/31/2004	184490	KPUD
Harbor Crest	9/30/2004	108900	KPUD
Harbor Crest	10/31/2004	96760	KPUD
Harbor Crest	11/30/2004	104460	KPUD
Harbor Crest	12/29/2004	87670	KPUD
Harbor Crest	1/31/2005	100460	KPUD
Harbor Crest	2/28/2005	83030	KPUD
Harbor Crest	3/31/2005	89640	KPUD
Harbor Crest	4/28/2005	80030	KPUD
Harbor Crest	5/31/2005	108470	KPUD
Harbor Crest	6/30/2005	121670	KPUD
Harbor Crest	7/28/2005	139620	KPUD
Harbor Crest	8/31/2005	247360	KPUD
Harbor Crest	10/3/2005	124490	KPUD
Harbor Crest	10/31/2005	79090	KPUD
Harbor Crest	11/30/2005	80980	KPUD
Harbor Crest	12/29/2005	78740	KPUD
Harbor Crest	1/31/2006	76130	KPUD
Harbor Crest	2/28/2006	90450	KPUD

Production Well	Measurement Date	Production Voulme	Technician
Harbor Crest	3/31/2006	99370	KPUD
Harbor Crest	4/30/2006	0	KPUD
Harbor Crest	5/31/2006	0	KPUD
Harbor Crest	6/30/2006	0	KPUD
Harbor Crest	7/31/2006	0	KPUD
Harbor Crest	8/31/2006	0	KPUD
Harbor Crest	9/30/2006	0	KPUD
Harbor Crest	10/31/2006	110511	KPUD
Harbor Crest	11/30/2006	92212	KPUD
Harbor Crest	12/31/2006	90000	KPUD
Harbor Crest	1/30/2007	80000	KPUD
Harbor Crest	2/28/2007	83079	KPUD
Harbor Crest	3/30/2007	82769	KPUD
Harbor Crest	4/30/2007	89685	KPUD
Harbor Crest	5/31/2007	127701	KPUD
Harbor Crest	6/30/2007	159452	KPUD
Harbor Crest	7/31/2007	171512	KPUD
Harbor Crest	8/31/2007	170462	KPUD
Harbor Crest	9/30/2007	137425	KPUD
Harbor Crest	10/31/2007	78610	KPUD
Harbor Crest	11/30/2007	102922	KPUD
Harbor Crest	12/31/2007	83252	KPUD
Harbor Crest	1/31/2008	80348	KPUD
Harbor Crest	2/29/2008	77813	KPUD
Harbor Crest	3/31/2008	82303	KPUD
Harbor Crest	4/30/2008	96606	KPUD
Harbor Crest	5/31/2008	106990	KPUD
Harbor Crest	6/30/2008	183134	KPUD
Harbor Crest	7/31/2008	246896	KPUD
Harbor Crest	9/2/2008	183753	KPUD
Harbor Crest	9/30/2008	124783	KPUD
Harbor Crest	10/31/2008	89236	KPUD
Harbor Crest	11/30/2008	61673	KPUD
Harbor Crest	12/31/2008	119022	KPUD
Harbor Crest	1/31/2009	76139	KPUD
Harbor Crest	2/28/2009	86701	KPUD
Harbor Crest	3/31/2009	89857	KPUD
Harbor Crest	4/30/2009	91608	KPUD
Harbor Crest	5/31/2009	104316	KPUD
Harbor Crest	6/30/2009	207525	KPUD
Harbor Crest	7/31/2009	298071	KPUD
Harbor Crest	8/31/2009	224550	KPUD
Harbor Crest	9/30/2009	133885	KPUD
Harbor Crest	10/31/2009	97577	KPUD
Harbor Crest	11/30/2009	96492	KPUD
Harbor Crest	12/31/2009	100501	KPUD
Harbor Crest	1/31/2010	89810	KPUD
Harbor Crest	2/28/2010	94560	KPUD
Harbor Crest	3/31/2010	109870	KPUD
Harbor Crest	4/30/2010	94380	KPUD
Harbor Crest	5/31/2010	105730	KPUD

Production Well	Measurement Date	Production Voulme	Technician
Harbor Crest	6/30/2010	112740	KPUD
Harbor Crest	7/31/2010	195970	KPUD
Harbor Crest	8/31/2010	210420	KPUD
Harbor Crest	9/30/2010	116260	KPUD
Harbor Crest	10/31/2010	123030	KPUD
Harbor Crest	11/30/2010	89930	KPUD
Harbor Crest	12/31/2010	89500	KPUD
Harbor Crest	1/28/2011	78810	KPUD
Harbor Crest	2/28/2011	91560	KPUD
Harbor Crest	3/31/2011	90740	KPUD
Harbor Crest	4/29/2011	106850	KPUD
Harbor Crest	5/31/2011	108080	KPUD
Harbor Crest	6/28/2011	99480	KPUD
Harbor Crest	7/29/2011	144180	KPUD
Harbor Crest	8/30/2011	162930	KPUD
Harbor Crest	9/30/2011	132520	KPUD
Harbor Crest	10/31/2011	100330	KPUD
Harbor Crest	11/30/2011	87620	KPUD
Harbor Crest	12/31/2011	78440	KPUD
Harbor Crest	1/31/2012	75730	KPUD
Harbor Crest	2/29/2012	74260	KPUD
Harbor Crest	3/31/2012	68890	KPUD
Harbor Crest	4/30/2012	63170	KPUD
Harbor Crest	5/31/2012	111660	KPUD
Harbor Crest	6/30/2012	134230	KPUD
Harbor Crest	7/31/2012	137090	KPUD
Harbor Crest	8/31/2012	194830	KPUD
Harbor Crest	9/30/2012	131970	KPUD
Harbor Crest	10/31/2012	120160	KPUD
Harbor Crest	11/30/2012	83770	KPUD
Harbor Crest	12/31/2012	74630	KPUD
Harbor Crest	1/31/2013	66900	KPUD
Harbor Crest	2/28/2013	87180	KPUD
Harbor Crest	3/31/2013	70030	KPUD
Harbor Crest	4/30/2013	67970	KPUD
Harbor Crest	5/31/2013	113660	KPUD
Harbor Crest	6/30/2013	163170	KPUD
Harbor Crest	7/31/2013	208390	KPUD
Harbor Crest	8/31/2013	170410	KPUD
Harbor Crest	9/30/2013	81890	KPUD
Harbor Crest	10/31/2013	98840	KPUD
Harbor Crest	11/30/2013	76490	KPUD
Harbor Crest	12/31/2013	76220	KPUD
Harbor Crest	1/31/2014	100150	KPUD
Harbor Crest	2/28/2014	89400	KPUD
Harbor Crest	3/31/2014	63280	KPUD
Harbor Crest	4/30/2014	74450	KPUD
Harbor Crest	5/31/2014	93230	KPUD
Harbor Crest	6/30/2014	110650	KPUD
Harbor Crest	7/31/2014	204900	KPUD
Harbor Crest	8/31/2014	197240	KPUD

Production Well	Measurement Date	Production Voulme	Technician
Harbor Crest	9/30/2014	154190	KPUD
Harbor Crest	10/31/2014	83280	KPUD
Harbor Crest	11/30/2014	84070	KPUD
Harbor Crest	12/31/2014	66730	KPUD
Harbor Crest	1/31/2015	67780	KPUD
Harbor Crest	2/28/2015	72280	KPUD
Harbor Crest	3/31/2015	79030	KPUD
Harbor Crest	4/30/2015	69650	KPUD
Harbor Crest	5/31/2015	106190	KPUD
Harbor Crest	6/30/2015	208250	KPUD
Harbor Crest	7/31/2015	244160	KPUD
Harbor Crest	8/31/2015	184820	KPUD
Harbor Crest	9/30/2015	71700	KPUD
Harbor Crest	10/31/2015	82950	KPUD
Harbor Crest	11/30/2015	53190	KPUD
Harbor Crest	12/31/2015	74150	KPUD
Harbor Crest	1/31/2016	53840	KPUD
Harbor Crest	2/29/2016	57820	KPUD
Harbor Crest	3/31/2016	61490	KPUD
Harbor Crest	4/30/2016	90980	KPUD
Harbor Crest	5/31/2016	159820	KPUD
Harbor Crest	6/30/2016	212240	KPUD
Harbor Crest	7/31/2016	262950	KPUD
Harbor Crest	8/31/2016	415510	KPUD
Harbor Crest	9/30/2016	166100	KPUD
Harbor Crest	10/31/2016	144140	KPUD
Harbor Crest	11/30/2016	92690	KPUD
Harbor Crest	12/31/2016	81400	KPUD
Harbor Crest	1/31/2017	83960	KPUD
Harbor Crest	2/28/2017	79080	KPUD
Harbor Crest	3/31/2017	81290	KPUD
Harbor Crest	4/30/2017	73590	KPUD
Harbor Crest	5/31/2017	159400	KPUD
Harbor Crest	6/30/2017	218220	KPUD
Harbor Crest	7/31/2017	268770	KPUD
Harbor Crest	8/31/2017	313360	KPUD
Harbor Crest	9/30/2017	300250	KPUD
Harbor Crest	10/31/2017	0	KPUD
Harbor Crest	11/30/2017	0	KPUD
Harbor Crest	12/31/2017	132290	KPUD
Harbor Crest	1/31/2018	73490	KPUD
Harbor Crest	2/28/2018	70350	KPUD
Harbor Crest	3/31/2018	71700	KPUD
Harbor Crest	4/30/2018	76570	KPUD
Harbor Crest	5/31/2018	142576	KPUD
Harbor Crest	6/30/2018	171234	KPUD
Harbor Crest	7/31/2018	257730	KPUD
Harbor Crest	8/31/2018	324500	KPUD
Harbor Crest	9/30/2018	136410	KPUD
Harbor Crest	10/31/2018	81770	KPUD
Harbor Crest	11/30/2018	75750	KPUD

Production Well	Measurement Date	Production Voulme	Technician
Harbor Crest	12/31/2018	66460	KPUD
Harbor Crest	1/31/2019	71920	KPUD
Harbor Crest	2/28/2019	70320	KPUD
Harbor Crest	3/31/2019	74230	KPUD
Harbor Crest	4/30/2019	124410	KPUD
Harbor Crest	5/31/2019	193890	KPUD
Harbor Crest	6/30/2019	160360	KPUD
Harbor Crest	7/31/2019	184620	KPUD
Harbor Crest	8/31/2019	182530	KPUD
Harbor Crest	9/30/2019	125600	KPUD
Harbor Crest	10/31/2019	91770	KPUD
Harbor Crest	11/30/2019	62470	KPUD
Harbor Crest	12/31/2019	71470	KPUD
Harbor Crest	1/31/2020	51560	KPUD
Harbor Crest	2/29/2020	131950	KPUD
Harbor Crest	3/31/2020	54880	KPUD
Harbor Crest	4/30/2020	99220	KPUD
Harbor Crest	5/31/2020	131000	KPUD
Harbor Crest	6/30/2020	63420	KPUD
Harbor Crest	7/31/2020	212830	KPUD
Harbor Crest	8/31/2020	183240	KPUD
Harbor Crest	9/30/2020	157830	KPUD
Harbor Crest	10/31/2020	91560	KPUD
Harbor Crest	11/30/2020	42220	KPUD
Harbor Crest	12/31/2020	79210	KPUD
Harbor Crest	1/31/2021	71400	KPUD
Harbor Crest	2/28/2021	61670	KPUD
Harbor Crest	3/31/2021	78830	KPUD
Harbor Crest	4/30/2021	95100	KPUD
Harbor Crest	5/31/2021	166420	KPUD
Harbor Crest	6/30/2021	190770	KPUD
Harbor Crest	7/31/2021	241000	KPUD
Harbor Crest	8/31/2021	290660	KPUD
Harbor Crest	9/30/2021	115820	KPUD
Harbor Crest	10/31/2021	106220	KPUD
Harbor Crest	11/30/2021	78870	KPUD
Harbor Crest	12/31/2021	66010	KPUD
Head of the Bay Well #1	12/15/2001	317400	not specified
Head of the Bay Well #1	1/15/2002	348400	not specified
Head of the Bay Well #1	2/15/2002	314700	not specified
Head of the Bay Well #1	3/15/2002	291800	not specified
Head of the Bay Well #1	4/15/2002	352800	not specified
Head of the Bay Well #1	5/15/2002	243200	not specified
Head of the Bay Well #1	6/15/2002	264500	not specified
Head of the Bay Well #1	7/15/2002	506500	not specified
Head of the Bay Well #1	8/15/2002	508000	not specified
Head of the Bay Well #1	9/15/2002	450300	not specified
Head of the Bay Well #1	10/15/2002	234900	not specified
Head of the Bay Well #1	11/15/2002	274700	not specified
Head of the Bay Well #1	12/15/2002	254000	not specified
Head of the Bay Well #1	1/15/2003	330200	not specified

Production Well	Measurement Date	Production Voulme	Technician
Head of the Bay Well #1	2/15/2003	267900	not specified
Head of the Bay Well #1	3/15/2003	381100	not specified
Head of the Bay Well #1	4/15/2003	242400	not specified
Head of the Bay Well #1	5/15/2003	286500	not specified
Head of the Bay Well #1	6/15/2003	669945.6	not specified
Head of the Bay Well #1	7/15/2003	961305.6	not specified
Head of the Bay Well #1	8/15/2003	840960	not specified
Head of the Bay Well #1	9/15/2003	940.8	not specified
Head of the Bay Well #1	10/15/2003	0	not specified
Head of the Bay Well #1	11/15/2003	0	not specified
Head of the Bay Well #1	12/15/2003	0	not specified
Head of the Bay Well #1	1/15/2004	0	not specified
Head of the Bay Well #1	2/15/2004	0	not specified
Head of the Bay Well #1	3/15/2004	0	not specified
Head of the Bay Well #1	4/15/2004	0	not specified
Head of the Bay Well #1	5/15/2004	0	not specified
Head of the Bay Well #1	6/15/2004	0	not specified
Head of the Bay Well #1	7/15/2004	0	not specified
Head of the Bay Well #1	8/15/2004	2918.4	not specified
Head of the Bay Well #1	9/15/2004	7296	not specified
Head of the Bay Well #1	10/15/2004	13305.6	not specified
Head of the Bay Well #1	11/15/2004	7000	not specified
Head of the Bay Well #1	12/15/2004	7000	not specified
Head of the Bay Well #1	1/15/2005	14000	not specified
Head of the Bay Well #1	2/15/2005	8000	not specified
Head of the Bay Well #1	3/15/2005	4000	not specified
Head of the Bay Well #1	4/15/2005	11000	not specified
Head of the Bay Well #1	5/15/2005	8000	not specified
Head of the Bay Well #1	6/15/2005	3000	not specified
Head of the Bay Well #1	7/15/2005	1000	not specified
Head of the Bay Well #1	8/15/2005	0	not specified
Head of the Bay Well #1	9/15/2005	1000	not specified
Head of the Bay Well #1	10/15/2005	2000	not specified
Head of the Bay Well #1	11/15/2005	10000	not specified
Head of the Bay Well #1	12/15/2005	16000	not specified
Head of the Bay Well #1	1/15/2006	23000	not specified
Head of the Bay Well #1	2/15/2006	23000	not specified
Head of the Bay Well #1	3/15/2006	42000	not specified
Head of the Bay Well #1	4/15/2006	8000	COBI-PW
Head of the Bay Well #1	5/15/2006	1000	COBI-PW
Head of the Bay Well #1	6/15/2006	1000	COBI-PW
Head of the Bay Well #1	7/15/2006	1000	COBI-PW
Head of the Bay Well #1	8/15/2006	0	COBI-PW
Head of the Bay Well #1	9/15/2006	1000	COBI-PW
Head of the Bay Well #1	10/15/2006	18000	COBI-PW
Head of the Bay Well #1	11/15/2006	21000	COBI-PW
Head of the Bay Well #1	12/15/2006	16000	COBI-PW
Head of the Bay Well #1	1/15/2007	39000	COBI-PW
Head of the Bay Well #1	2/15/2007	13000	COBI-PW
Head of the Bay Well #1	3/15/2007	74000	COBI-PW
Head of the Bay Well #1	4/15/2007	112000	COBI-PW

Production Well	Measurement Date	Production Voulme	Technician
Head of the Bay Well #1	5/15/2007	81000	COBI-PW
Head of the Bay Well #1	6/15/2007	13000	COBI-PW
Head of the Bay Well #1	7/15/2007	0	COBI-PW
Head of the Bay Well #1	8/15/2007	23000	COBI-PW
Head of the Bay Well #1	9/15/2007	34000	COBI-PW
Head of the Bay Well #1	10/15/2007	37000	COBI-PW
Head of the Bay Well #1	11/15/2007	120000	COBI-PW
Head of the Bay Well #1	12/15/2007	87000	COBI-PW
Head of the Bay Well #1	1/15/2008	11000	COBI-PW
Head of the Bay Well #1	2/15/2008	160000	COBI-PW
Head of the Bay Well #1	3/15/2008	104000	COBI-PW
Head of the Bay Well #1	4/15/2008	95000	COBI-PW
Head of the Bay Well #1	5/15/2008	92000	COBI-PW
Head of the Bay Well #1	6/15/2008	64000	COBI-PW
Head of the Bay Well #1	7/15/2008	22000	COBI-PW
Head of the Bay Well #1	8/15/2008	144000	COBI-PW
Head of the Bay Well #1	9/15/2008	222000	COBI-PW
Head of the Bay Well #1	10/15/2008	172000	COBI-PW
Head of the Bay Well #1	1/15/2009	177747	COBI-PW
Head of the Bay Well #1	2/11/2009	135048	COBI-PW
Head of the Bay Well #1	3/13/2009	243285	COBI-PW
Head of the Bay Well #1	4/15/2009	295914	COBI-PW
Head of the Bay Well #1	5/14/2009	0	COBI-PW
Head of the Bay Well #1	6/17/2009	643464	COBI-PW
Head of the Bay Well #1	7/15/2009	370389	COBI-PW
Head of the Bay Well #1	8/13/2009	298893	COBI-PW
Head of the Bay Well #1	9/15/2009	283998	COBI-PW
Head of the Bay Well #1	10/14/2009	234348	COBI-PW
Head of the Bay Well #1	11/17/2009	248250	COBI-PW
Head of the Bay Well #1	12/16/2009	236334	COBI-PW
Head of the Bay Well #1	1/15/2010	293046	COBI-PW
Head of the Bay Well #1	2/18/2010	354900	COBI-PW
Head of the Bay Well #1	3/16/2010	153114	COBI-PW
Head of the Bay Well #1	4/14/2010	319410	COBI-PW
Head of the Bay Well #1	5/13/2010	347802	COBI-PW
Head of the Bay Well #1	6/23/2010	239304	COBI-PW
Head of the Bay Well #1	7/13/2010	214968	COBI-PW
Head of the Bay Well #1	8/20/2010	484692	COBI-PW
Head of the Bay Well #1	9/15/2010	256542	COBI-PW
Head of the Bay Well #1	10/15/2010	223080	COBI-PW
Head of the Bay Well #1	11/12/2010	176436	COBI-PW
Head of the Bay Well #1	12/15/2010	287976	COBI-PW
Head of the Bay Well #1	1/18/2011	215897	COBI-PW
Head of the Bay Well #1	2/22/2011	241722	COBI-PW
Head of the Bay Well #1	3/15/2011	223128	COBI-PW
Head of the Bay Well #1	4/19/2011	266514	COBI-PW
Head of the Bay Well #1	5/17/2011	308867	COBI-PW
Head of the Bay Well #1	6/15/2011	351220	COBI-PW
Head of the Bay Well #1	7/20/2011	432827	COBI-PW
Head of the Bay Well #1	8/18/2011	414233	COBI-PW
Head of the Bay Well #1	9/14/2011	355352	COBI-PW

Production Well	Measurement Date	Production Voulme	Technician
Head of the Bay Well #1	10/20/2011	369814	COBI-PW
Head of the Bay Well #1	11/16/2011	0	COBI-PW
Head of the Bay Well #1	12/16/2011	27891	COBI-PW
Head of the Bay Well #1	1/12/2012	154950	COBI-PW
Head of the Bay Well #1	2/15/2012	194204	COBI-PW
Head of the Bay Well #1	3/19/2012	328494	COBI-PW
Head of the Bay Well #1	4/17/2012	361550	COBI-PW
Head of the Bay Well #1	5/10/2012	241722	COBI-PW
Head of the Bay Well #1	6/19/2012	640460	COBI-PW
Head of the Bay Well #1	7/18/2012	421464	COBI-PW
Head of the Bay Well #1	8/20/2012	556787	COBI-PW
Head of the Bay Well #1	9/18/2012	543358	COBI-PW
Head of the Bay Well #1	10/16/2012	443157	COBI-PW
Head of the Bay Well #1	11/14/2012	335725	COBI-PW
Head of the Bay Well #1	12/20/2012	413200	COBI-PW
Head of the Bay Well #1	1/17/2013	327461	COBI-PW
Head of the Bay Well #1	2/12/2013	129125	COBI-PW
Head of the Bay Well #1	3/19/2013	5165	COBI-PW
Head of the Bay Well #1	4/15/2013	8264	COBI-PW
Head of the Bay Well #1	5/15/2013	436959	COBI-PW
Head of the Bay Well #1	6/19/2013	461751	COBI-PW
Head of the Bay Well #1	7/19/2013	0	COBI-PW
Head of the Bay Well #1	8/16/2013	0	COBI-PW
Head of the Bay Well #1	9/19/2013	2066	COBI-PW
Head of the Bay Well #1	10/25/2013	233458	COBI-PW
Head of the Bay Well #1	11/21/2013	308867	COBI-PW
Head of the Bay Well #1	12/12/2013	151851	COBI-PW
Head of the Bay Well #1	1/21/2014	71128	COBI-PW
Head of the Bay Well #1	2/21/2014	32426	COBI-PW
Head of the Bay Well #1	3/20/2014	108784	COBI-PW
Head of the Bay Well #1	4/22/2014	315892	COBI-PW
Head of the Bay Well #1	5/19/2014	150624	COBI-PW
Head of the Bay Well #1	6/17/2014	21966	COBI-PW
Head of the Bay Well #1	7/16/2014	294972	COBI-PW
Head of the Bay Well #1	8/26/2014	689314	COBI-PW
Head of the Bay Well #1	9/18/2014	306478	COBI-PW
Head of the Bay Well #1	10/15/2014	273006	COBI-PW
Head of the Bay Well #1	11/19/2014	20920	COBI-PW
Head of the Bay Well #1	12/22/2014	365054	COBI-PW
Head of the Bay Well #1	1/15/2015	260454	COBI-PW
Head of the Bay Well #1	2/17/2015	384928	COBI-PW
Head of the Bay Well #1	3/16/2015	94140	COBI-PW
Head of the Bay Well #1	4/21/2015	193510	COBI-PW
Head of the Bay Well #1	5/21/2015	425722	COBI-PW
Head of the Bay Well #1	6/23/2015	495804	COBI-PW
Head of the Bay Well #1	7/16/2015	395388	COBI-PW
Head of the Bay Well #1	8/17/2015	560656	COBI-PW
Head of the Bay Well #1	9/21/2015	507310	COBI-PW
Head of the Bay Well #1	10/14/2015	336812	COBI-PW
Head of the Bay Well #1	11/20/2015	444550	COBI-PW
Head of the Bay Well #1	12/21/2015	370284	COBI-PW

Production Well	Measurement Date	Production Voulme	Technician
Head of the Bay Well #1	1/26/2016	418400	COBI-PW
Head of the Bay Well #1	2/24/2016	329490	COBI-PW
Head of the Bay Well #1	3/21/2016	312754	COBI-PW
Head of the Bay Well #1	4/25/2016	469654	COBI-PW
Head of the Bay Well #1	5/18/2016	104600	COBI-PW
Head of the Bay Well #1	6/22/2016	390158	COBI-PW
Head of the Bay Well #1	7/20/2016	279282	COBI-PW
Head of the Bay Well #1	8/15/2016	393296	COBI-PW
Head of the Bay Well #1	10/3/2016	378652	COBI-PW
Head of the Bay Well #1	10/26/2016	57530	COBI-PW
Head of the Bay Well #1	11/30/2016	153762	COBI-PW
Head of the Bay Well #1	12/29/2016	146440	COBI-PW
Head of the Bay Well #1	1/24/2017	86818	COBI-PW
Head of the Bay Well #1	2/23/2017	0	COBI-PW
Head of the Bay Well #1	3/23/2017	0	COBI-PW
Head of the Bay Well #1	4/19/2017	0	COBI-PW
Head of the Bay Well #1	5/22/2017	0	COBI-PW
Head of the Bay Well #1	6/23/2017	0	COBI-PW
Head of the Bay Well #1	7/18/2017	0	COBI-PW
Head of the Bay Well #1	8/15/2017	0	COBI-PW
Head of the Bay Well #1	9/20/2017	0	COBI-PW
Head of the Bay Well #1	10/18/2017	0	COBI-PW
Head of the Bay Well #1	11/22/2017	0	COBI-PW
Head of the Bay Well #1	12/14/2017	4184	COBI-PW
Head of the Bay Well #1	1/22/2018	16736	COBI-PW
Head of the Bay Well #1	2/13/2018	1046	COBI-PW
Head of the Bay Well #1	3/19/2018	0	COBI-PW
Head of the Bay Well #1	4/18/2018	0	COBI-PW
Head of the Bay Well #1	5/17/2018	0	COBI-PW
Head of the Bay Well #1	6/14/2018	0	COBI-PW
Head of the Bay Well #1	7/19/2018	4184	COBI-PW
Head of the Bay Well #1	8/16/2018	0	COBI-PW
Head of the Bay Well #1	9/15/2018	0	COBI-PW
Head of the Bay Well #1	10/17/2018	1046	COBI-PW
Head of the Bay Well #1	11/14/2018	0	COBI-PW
Head of the Bay Well #1	12/17/2018	0	COBI-PW
Head of the Bay Well #1	1/16/2019	0	COBI-PW
Head of the Bay Well #1	2/21/2019	4000	COBI-PW
Head of the Bay Well #1	3/18/2019	3000	COBI-PW
Head of the Bay Well #1	4/16/2019	0	COBI-PW
Head of the Bay Well #1	5/16/2019	2000	COBI-PW
Head of the Bay Well #1	6/18/2019	0	COBI-PW
Head of the Bay Well #1	7/17/2019	0	COBI-PW
Head of the Bay Well #1	8/16/2019	0	COBI-PW
Head of the Bay Well #1	9/20/2019	4000	COBI-PW
Head of the Bay Well #1	10/16/2019	0	COBI-PW
Head of the Bay Well #1	11/18/2019	0	COBI-PW
Head of the Bay Well #1	12/16/2019	0	COBI-PW
Head of the Bay Well #1	1/16/2020	0	COBI-PW
Head of the Bay Well #1	2/19/2020	0	COBI-PW
Head of the Bay Well #1	3/17/2020	0	COBI-PW

Production Well	Measurement Date	Production Voulme	Technician
Head of the Bay Well #1	4/20/2020	38000	COBI-PW
Head of the Bay Well #1	5/19/2020	45000	COBI-PW
Head of the Bay Well #1	6/17/2020	32000	COBI-PW
Head of the Bay Well #1	7/16/2020	3000	COBI-PW
Head of the Bay Well #1	8/18/2020	0	COBI-PW
Head of the Bay Well #1	9/17/2020	0	COBI-PW
Head of the Bay Well #1	10/16/2020	1000	COBI-PW
Head of the Bay Well #1	11/19/2020	0	COBI-PW
Head of the Bay Well #1	12/17/2020	0	COBI-PW
Head of the Bay Well #1	1/20/2021	6000	COBI-PW
Head of the Bay Well #1	2/23/2021	3000	COBI-PW
Head of the Bay Well #1	3/18/2021	0	COBI-PW
Head of the Bay Well #1	5/19/2021	0	COBI-PW
Head of the Bay Well #1	6/17/2021	0	COBI-PW
Head of the Bay Well #1	7/15/2021	0	COBI-PW
Head of the Bay Well #1	8/18/2021	0	COBI-PW
Head of the Bay Well #1	9/14/2021	0	COBI-PW
Head of the Bay Well #1	10/18/2021	3000	COBI-PW
Head of the Bay Well #1	11/16/2021	3000	COBI-PW
Head of the Bay Well #1	12/20/2021	0	COBI-PW
Head of the Bay Well #1A	12/15/2001	49100	not specified
Head of the Bay Well #1A	1/15/2002	58700	not specified
Head of the Bay Well #1A	2/15/2002	75600	not specified
Head of the Bay Well #1A	3/15/2002	84500	not specified
Head of the Bay Well #1A	4/15/2002	243700	not specified
Head of the Bay Well #1A	5/15/2002	785100	not specified
Head of the Bay Well #1A	6/15/2002	522400	not specified
Head of the Bay Well #1A	7/15/2002	105500	not specified
Head of the Bay Well #1A	8/15/2002	15600	not specified
Head of the Bay Well #1A	9/15/2002	8500	not specified
Head of the Bay Well #1A	10/15/2002	28300	not specified
Head of the Bay Well #1A	11/15/2002	79100	not specified
Head of the Bay Well #1A	12/15/2002	78800	not specified
Head of the Bay Well #1A	1/15/2003	61800	not specified
Head of the Bay Well #1A	2/15/2003	21700	not specified
Head of the Bay Well #1A	3/15/2003	43700	not specified
Head of the Bay Well #1A	4/15/2003	40200	not specified
Head of the Bay Well #1A	5/15/2003	48400	not specified
Head of the Bay Well #1A	6/15/2003	0	not specified
Head of the Bay Well #1A	7/15/2003	0	not specified
Head of the Bay Well #1A	8/15/2003	0	not specified
Head of the Bay Well #1A	9/15/2003	17580	not specified
Head of the Bay Well #1A	10/15/2003	0	not specified
Head of the Bay Well #1A	11/15/2003	0	not specified
Head of the Bay Well #1A	12/15/2003	0	not specified
Head of the Bay Well #1A	1/15/2004	0	not specified
Head of the Bay Well #1A	2/15/2004	0	not specified
Head of the Bay Well #1A	3/15/2004	0	not specified
Head of the Bay Well #1A	4/15/2004	0	not specified
Head of the Bay Well #1A	5/15/2004	0	not specified
Head of the Bay Well #1A	6/15/2004	0	not specified

Production Well	Measurement Date	Production Voulme	Technician
Head of the Bay Well #1A	7/15/2004	0	not specified
Head of the Bay Well #1A	8/15/2004	9180	not specified
Head of the Bay Well #1A	9/15/2004	2820	not specified
Head of the Bay Well #1A	10/15/2004	43080	not specified
Head of the Bay Well #1A	11/15/2004	41000	not specified
Head of the Bay Well #1A	12/15/2004	46000	not specified
Head of the Bay Well #1A	1/15/2005	61000	not specified
Head of the Bay Well #1A	2/15/2005	30000	not specified
Head of the Bay Well #1A	3/15/2005	23000	not specified
Head of the Bay Well #1A	4/15/2005	115000	not specified
Head of the Bay Well #1A	5/15/2005	43000	not specified
Head of the Bay Well #1A	6/15/2005	51000	not specified
Head of the Bay Well #1A	7/15/2005	22000	not specified
Head of the Bay Well #1A	8/15/2005	6000	not specified
Head of the Bay Well #1A	9/15/2005	68000	not specified
Head of the Bay Well #1A	10/15/2005	41000	not specified
Head of the Bay Well #1A	11/15/2005	58000	not specified
Head of the Bay Well #1A	12/15/2005	79000	not specified
Head of the Bay Well #1A	1/15/2006	105000	not specified
Head of the Bay Well #1A	2/15/2006	666000	not specified
Head of the Bay Well #1A	3/15/2006	1238000	not specified
Head of the Bay Well #1A	4/15/2006	1896000	COBI-PW
Head of the Bay Well #1A	5/15/2006	2238000	COBI-PW
Head of the Bay Well #1A	6/15/2006	2062000	COBI-PW
Head of the Bay Well #1A	7/15/2006	1767000	COBI-PW
Head of the Bay Well #1A	8/15/2006	2654000	COBI-PW
Head of the Bay Well #1A	9/15/2006	1410000	COBI-PW
Head of the Bay Well #1A	10/15/2006	619000	COBI-PW
Head of the Bay Well #1A	11/15/2006	1196000	COBI-PW
Head of the Bay Well #1A	12/15/2006	890000	COBI-PW
Head of the Bay Well #1A	1/15/2007	852000	COBI-PW
Head of the Bay Well #1A	2/15/2007	344000	COBI-PW
Head of the Bay Well #1A	3/15/2007	672000	COBI-PW
Head of the Bay Well #1A	4/15/2007	756000	COBI-PW
Head of the Bay Well #1A	5/15/2007	738000	COBI-PW
Head of the Bay Well #1A	6/15/2007	1022000	COBI-PW
Head of the Bay Well #1A	7/15/2007	0	COBI-PW
Head of the Bay Well #1A	8/15/2007	2202000	COBI-PW
Head of the Bay Well #1A	9/15/2007	596000	COBI-PW
Head of the Bay Well #1A	10/15/2007	963000	COBI-PW
Head of the Bay Well #1A	11/15/2007	963000	COBI-PW
Head of the Bay Well #1A	12/15/2007	989000	COBI-PW
Head of the Bay Well #1A	1/15/2008	32000	COBI-PW
Head of the Bay Well #1A	2/15/2008	186000	COBI-PW
Head of the Bay Well #1A	3/15/2008	118000	COBI-PW
Head of the Bay Well #1A	4/15/2008	148000	COBI-PW
Head of the Bay Well #1A	5/15/2008	160000	COBI-PW
Head of the Bay Well #1A	6/15/2008	123000	COBI-PW
Head of the Bay Well #1A	7/15/2008	843000	COBI-PW
Head of the Bay Well #1A	8/15/2008	673000	COBI-PW
Head of the Bay Well #1A	9/15/2008	1027000	COBI-PW

Production Well	Measurement Date	Production Voulme	Technician
Head of the Bay Well #1A	10/15/2008	752000	COBI-PW
Head of the Bay Well #1A	1/15/2009	726180	COBI-PW
Head of the Bay Well #1A	2/11/2009	541424	COBI-PW
Head of the Bay Well #1A	3/13/2009	1065064	COBI-PW
Head of the Bay Well #1A	4/15/2009	1334788	COBI-PW
Head of the Bay Well #1A	5/14/2009	0	COBI-PW
Head of the Bay Well #1A	6/17/2009	2984748	COBI-PW
Head of the Bay Well #1A	7/15/2009	1766544	COBI-PW
Head of the Bay Well #1A	8/13/2009	1405924	COBI-PW
Head of the Bay Well #1A	9/15/2009	1273532	COBI-PW
Head of the Bay Well #1A	10/14/2009	1062100	COBI-PW
Head of the Bay Well #1A	11/17/2009	1089764	COBI-PW
Head of the Bay Well #1A	12/16/2009	1066052	COBI-PW
Head of the Bay Well #1A	1/15/2010	1308120	COBI-PW
Head of the Bay Well #1A	2/18/2010	1568753	COBI-PW
Head of the Bay Well #1A	3/16/2010	671898	COBI-PW
Head of the Bay Well #1A	4/14/2010	1386409	COBI-PW
Head of the Bay Well #1A	5/13/2010	1489473	COBI-PW
Head of the Bay Well #1A	6/23/2010	1030640	COBI-PW
Head of the Bay Well #1A	7/13/2010	923612	COBI-PW
Head of the Bay Well #1A	8/20/2010	2097947	COBI-PW
Head of the Bay Well #1A	9/15/2010	1090100	COBI-PW
Head of the Bay Well #1A	10/15/2010	957306	COBI-PW
Head of the Bay Well #1A	11/12/2010	749196	COBI-PW
Head of the Bay Well #1A	12/15/2010	1219921	COBI-PW
Head of the Bay Well #1A	1/18/2011	880791	COBI-PW
Head of the Bay Well #1A	2/22/2011	929448	COBI-PW
Head of the Bay Well #1A	3/15/2011	922497	COBI-PW
Head of the Bay Well #1A	4/19/2011	1081377	COBI-PW
Head of the Bay Well #1A	5/17/2011	1274019	COBI-PW
Head of the Bay Well #1A	6/15/2011	1445808	COBI-PW
Head of the Bay Well #1A	7/20/2011	1761582	COBI-PW
Head of the Bay Well #1A	8/18/2011	1717890	COBI-PW
Head of the Bay Well #1A	9/14/2011	1474605	COBI-PW
Head of the Bay Well #1A	10/20/2011	1510353	COBI-PW
Head of the Bay Well #1A	11/16/2011	153915	COBI-PW
Head of the Bay Well #1A	12/16/2011	235341	COBI-PW
Head of the Bay Well #1A	1/12/2012	571968	COBI-PW
Head of the Bay Well #1A	2/15/2012	553101	COBI-PW
Head of the Bay Well #1A	3/19/2012	67524	COBI-PW
Head of the Bay Well #1A	4/17/2012	28797	COBI-PW
Head of the Bay Well #1A	5/10/2012	22839	COBI-PW
Head of the Bay Well #1A	6/19/2012	6951	COBI-PW
Head of the Bay Well #1A	7/18/2012	7944	COBI-PW
Head of the Bay Well #1A	8/20/2012	1986	COBI-PW
Head of the Bay Well #1A	9/18/2012	0	COBI-PW
Head of the Bay Well #1A	10/16/2012	26811	COBI-PW
Head of the Bay Well #1A	11/14/2012	12909	COBI-PW
Head of the Bay Well #1A	12/20/2012	25818	COBI-PW
Head of the Bay Well #1A	1/17/2013	26811	COBI-PW
Head of the Bay Well #1A	2/12/2013	26811	COBI-PW

Production Well	Measurement Date	Production Voulme	Technician
Head of the Bay Well #1A	3/19/2013	13902	COBI-PW
Head of the Bay Well #1A	4/15/2013	29790	COBI-PW
Head of the Bay Well #1A	5/15/2013	28797	COBI-PW
Head of the Bay Well #1A	6/19/2013	993	COBI-PW
Head of the Bay Well #1A	7/19/2013	0	COBI-PW
Head of the Bay Well #1A	8/16/2013	0	COBI-PW
Head of the Bay Well #1A	9/19/2013	10923	COBI-PW
Head of the Bay Well #1A	10/25/2013	16881	COBI-PW
Head of the Bay Well #1A	11/21/2013	23832	COBI-PW
Head of the Bay Well #1A	12/12/2013	52629	COBI-PW
Head of the Bay Well #1A	1/21/2014	233876	COBI-PW
Head of the Bay Well #1A	2/21/2014	204146	COBI-PW
Head of the Bay Well #1A	3/20/2014	137749	COBI-PW
Head of the Bay Well #1A	4/22/2014	65406	COBI-PW
Head of the Bay Well #1A	5/19/2014	130812	COBI-PW
Head of the Bay Well #1A	6/17/2014	13874	COBI-PW
Head of the Bay Well #1A	7/16/2014	4955	COBI-PW
Head of the Bay Well #1A	8/26/2014	38649	COBI-PW
Head of the Bay Well #1A	9/18/2014	991	COBI-PW
Head of the Bay Well #1A	10/15/2014	5946	COBI-PW
Head of the Bay Well #1A	11/19/2014	16847	COBI-PW
Head of the Bay Well #1A	12/22/2014	28739	COBI-PW
Head of the Bay Well #1A	1/15/2015	20811	COBI-PW
Head of the Bay Well #1A	2/17/2015	22793	COBI-PW
Head of the Bay Well #1A	3/16/2015	32703	COBI-PW
Head of the Bay Well #1A	4/21/2015	86217	COBI-PW
Head of the Bay Well #1A	5/21/2015	10901	COBI-PW
Head of the Bay Well #1A	6/23/2015	5946	COBI-PW
Head of the Bay Well #1A	7/16/2015	0	COBI-PW
Head of the Bay Well #1A	8/17/2015	1971099	COBI-PW
Head of the Bay Well #1A	9/21/2015	2086055	COBI-PW
Head of the Bay Well #1A	10/14/2015	1420103	COBI-PW
Head of the Bay Well #1A	11/20/2015	1881909	COBI-PW
Head of the Bay Well #1A	12/21/2015	1588573	COBI-PW
Head of the Bay Well #1A	1/26/2016	1822449	COBI-PW
Head of the Bay Well #1A	2/24/2016	1453797	COBI-PW
Head of the Bay Well #1A	3/21/2016	1395328	COBI-PW
Head of the Bay Well #1A	4/25/2016	2115785	COBI-PW
Head of the Bay Well #1A	5/18/2016	562888	COBI-PW
Head of the Bay Well #1A	6/22/2016	1857134	COBI-PW
Head of the Bay Well #1A	7/20/2016	1327940	COBI-PW
Head of the Bay Well #1A	8/15/2016	1921549	COBI-PW
Head of the Bay Well #1A	10/3/2016	1912630	COBI-PW
Head of the Bay Well #1A	10/26/2016	334958	COBI-PW
Head of the Bay Well #1A	11/30/2016	806674	COBI-PW
Head of the Bay Well #1A	12/29/2016	760097	COBI-PW
Head of the Bay Well #1A	1/24/2017	486581	COBI-PW
Head of the Bay Well #1A	2/23/2017	14865	COBI-PW
Head of the Bay Well #1A	3/23/2017	7928	COBI-PW
Head of the Bay Well #1A	4/19/2017	10901	COBI-PW
Head of the Bay Well #1A	5/22/2017	11892	COBI-PW

Production Well	Measurement Date	Production Voulme	Technician
Head of the Bay Well #1A	6/23/2017	17838	COBI-PW
Head of the Bay Well #1A	7/18/2017	0	COBI-PW
Head of the Bay Well #1A	8/15/2017	1260552	COBI-PW
Head of the Bay Well #1A	9/20/2017	0	COBI-PW
Head of the Bay Well #1A	10/18/2017	30721	COBI-PW
Head of the Bay Well #1A	11/22/2017	162524	COBI-PW
Head of the Bay Well #1A	12/14/2017	106037	COBI-PW
Head of the Bay Well #1A	1/22/2018	164506	COBI-PW
Head of the Bay Well #1A	2/13/2018	25766	COBI-PW
Head of the Bay Well #1A	3/19/2018	16847	COBI-PW
Head of the Bay Well #1A	4/18/2018	5946	COBI-PW
Head of the Bay Well #1A	5/17/2018	17838	COBI-PW
Head of the Bay Well #1A	6/14/2018	0	COBI-PW
Head of the Bay Well #1A	7/19/2018	14865	COBI-PW
Head of the Bay Well #1A	8/16/2018	0	COBI-PW
Head of the Bay Well #1A	9/15/2018	0	COBI-PW
Head of the Bay Well #1A	10/17/2018	12883	COBI-PW
Head of the Bay Well #1A	11/14/2018	27748	COBI-PW
Head of the Bay Well #1A	12/17/2018	3964	COBI-PW
Head of the Bay Well #1A	1/16/2019	0	COBI-PW
Head of the Bay Well #1A	2/21/2019	151000	COBI-PW
Head of the Bay Well #1A	3/18/2019	148000	COBI-PW
Head of the Bay Well #1A	4/16/2019	48000	COBI-PW
Head of the Bay Well #1A	5/16/2019	58000	COBI-PW
Head of the Bay Well #1A	6/18/2019	9000	COBI-PW
Head of the Bay Well #1A	7/17/2019	0	COBI-PW
Head of the Bay Well #1A	8/16/2019	0	COBI-PW
Head of the Bay Well #1A	9/20/2019	15000	COBI-PW
Head of the Bay Well #1A	10/16/2019	8000	COBI-PW
Head of the Bay Well #1A	11/18/2019	52000	COBI-PW
Head of the Bay Well #1A	12/16/2019	45000	COBI-PW
Head of the Bay Well #1A	1/16/2020	152000	COBI-PW
Head of the Bay Well #1A	2/19/2020	117000	COBI-PW
Head of the Bay Well #1A	3/17/2020	47000	COBI-PW
Head of the Bay Well #1A	4/20/2020	182000	COBI-PW
Head of the Bay Well #1A	5/19/2020	137000	COBI-PW
Head of the Bay Well #1A	6/17/2020	93000	COBI-PW
Head of the Bay Well #1A	7/16/2020	6000	COBI-PW
Head of the Bay Well #1A	8/18/2020	0	COBI-PW
Head of the Bay Well #1A	9/17/2020	0	COBI-PW
Head of the Bay Well #1A	10/16/2020	2000	COBI-PW
Head of the Bay Well #1A	11/19/2020	11000	COBI-PW
Head of the Bay Well #1A	12/17/2020	102000	COBI-PW
Head of the Bay Well #1A	1/20/2021	111000	COBI-PW
Head of the Bay Well #1A	2/23/2021	107000	COBI-PW
Head of the Bay Well #1A	3/18/2021	69000	COBI-PW
Head of the Bay Well #1A	5/19/2021	49000	COBI-PW
Head of the Bay Well #1A	6/17/2021	0	COBI-PW
Head of the Bay Well #1A	7/15/2021	0	COBI-PW
Head of the Bay Well #1A	8/18/2021	0	COBI-PW
Head of the Bay Well #1A	9/14/2021	0	COBI-PW

Production Well	Measurement Date	Production Voulme	Technician
Head of the Bay Well #1A	10/18/2021	19000	COBI-PW
Head of the Bay Well #1A	11/16/2021	42000	COBI-PW
Head of the Bay Well #1A	12/20/2021	80000	COBI-PW
Head of the Bay Well #2	12/15/2001	54100	not specified
Head of the Bay Well #2	1/15/2002	76600	not specified
Head of the Bay Well #2	2/15/2002	114500	not specified
Head of the Bay Well #2	3/15/2002	105500	not specified
Head of the Bay Well #2	4/15/2002	121400	not specified
Head of the Bay Well #2	5/15/2002	133200	not specified
Head of the Bay Well #2	6/15/2002	45700	not specified
Head of the Bay Well #2	7/15/2002	12400	not specified
Head of the Bay Well #2	8/15/2002	0	not specified
Head of the Bay Well #2	9/15/2002	4200	not specified
Head of the Bay Well #2	10/15/2002	23500	not specified
Head of the Bay Well #2	11/15/2002	109100	not specified
Head of the Bay Well #2	12/15/2002	173100	not specified
Head of the Bay Well #2	1/15/2003	63600	not specified
Head of the Bay Well #2	2/15/2003	27400	not specified
Head of the Bay Well #2	3/15/2003	62200	not specified
Head of the Bay Well #2	4/15/2003	65300	not specified
Head of the Bay Well #2	5/15/2003	63600	not specified
Head of the Bay Well #2	6/15/2003	1520.4	not specified
Head of the Bay Well #2	7/15/2003	0	not specified
Head of the Bay Well #2	8/15/2003	28127.4	not specified
Head of the Bay Well #2	9/15/2003	9774	not specified
Head of the Bay Well #2	10/15/2003	0	not specified
Head of the Bay Well #2	11/15/2003	0	not specified
Head of the Bay Well #2	12/15/2003	0	not specified
Head of the Bay Well #2	1/15/2004	0	not specified
Head of the Bay Well #2	2/15/2004	0	not specified
Head of the Bay Well #2	3/15/2004	0	not specified
Head of the Bay Well #2	4/15/2004	0	not specified
Head of the Bay Well #2	5/15/2004	0	not specified
Head of the Bay Well #2	6/15/2004	0	not specified
Head of the Bay Well #2	7/15/2004	0	not specified
Head of the Bay Well #2	8/15/2004	2275713	not specified
Head of the Bay Well #2	9/15/2004	2723036.4	not specified
Head of the Bay Well #2	10/15/2004	2076866.4	not specified
Head of the Bay Well #2	11/15/2004	2637000	not specified
Head of the Bay Well #2	12/15/2004	1664000	not specified
Head of the Bay Well #2	1/15/2005	1583000	not specified
Head of the Bay Well #2	2/15/2005	2631000	not specified
Head of the Bay Well #2	3/15/2005	2686000	not specified
Head of the Bay Well #2	4/15/2005	2832000	not specified
Head of the Bay Well #2	5/15/2005	2717000	not specified
Head of the Bay Well #2	6/15/2005	2026000	not specified
Head of the Bay Well #2	7/15/2005	2044000	not specified
Head of the Bay Well #2	8/15/2005	2468000	not specified
Head of the Bay Well #2	9/15/2005	2291000	not specified
Head of the Bay Well #2	10/15/2005	2469000	not specified
Head of the Bay Well #2	11/15/2005	1462000	not specified

Production Well	Measurement Date	Production Voulme	Technician
Head of the Bay Well #2	12/15/2005	1339000	not specified
Head of the Bay Well #2	1/15/2006	1043000	not specified
Head of the Bay Well #2	2/15/2006	1448000	not specified
Head of the Bay Well #2	3/15/2006	1589000	not specified
Head of the Bay Well #2	4/15/2006	2498000	COBI-PW
Head of the Bay Well #2	5/15/2006	2984000	COBI-PW
Head of the Bay Well #2	6/15/2006	2750000	COBI-PW
Head of the Bay Well #2	7/15/2006	2614000	COBI-PW
Head of the Bay Well #2	8/15/2006	3518000	COBI-PW
Head of the Bay Well #2	9/15/2006	1883000	COBI-PW
Head of the Bay Well #2	10/15/2006	804000	COBI-PW
Head of the Bay Well #2	11/15/2006	1576000	COBI-PW
Head of the Bay Well #2	12/15/2006	1194000	COBI-PW
Head of the Bay Well #2	1/15/2007	1115000	COBI-PW
Head of the Bay Well #2	2/15/2007	471000	COBI-PW
Head of the Bay Well #2	3/15/2007	865000	COBI-PW
Head of the Bay Well #2	4/15/2007	1042000	COBI-PW
Head of the Bay Well #2	5/15/2007	942000	COBI-PW
Head of the Bay Well #2	6/15/2007	1351000	COBI-PW
Head of the Bay Well #2	7/15/2007	0	COBI-PW
Head of the Bay Well #2	8/15/2007	2906000	COBI-PW
Head of the Bay Well #2	9/15/2007	759000	COBI-PW
Head of the Bay Well #2	10/15/2007	1271000	COBI-PW
Head of the Bay Well #2	11/15/2007	1244000	COBI-PW
Head of the Bay Well #2	12/15/2007	1291000	COBI-PW
Head of the Bay Well #2	1/15/2008	41000	COBI-PW
Head of the Bay Well #2	2/15/2008	194000	COBI-PW
Head of the Bay Well #2	3/15/2008	123000	COBI-PW
Head of the Bay Well #2	4/15/2008	180000	COBI-PW
Head of the Bay Well #2	5/15/2008	197000	COBI-PW
Head of the Bay Well #2	6/15/2008	141000	COBI-PW
Head of the Bay Well #2	7/15/2008	1123000	COBI-PW
Head of the Bay Well #2	8/15/2008	916000	COBI-PW
Head of the Bay Well #2	9/15/2008	1397000	COBI-PW
Head of the Bay Well #2	10/15/2008	1010000	COBI-PW
Head of the Bay Well #2	1/15/2009	1012035	COBI-PW
Head of the Bay Well #2	2/11/2009	734103	COBI-PW
Head of the Bay Well #2	3/13/2009	1513521	COBI-PW
Head of the Bay Well #2	4/15/2009	1823677	COBI-PW
Head of the Bay Well #2	5/14/2009	0	COBI-PW
Head of the Bay Well #2	6/17/2009	4100504	COBI-PW
Head of the Bay Well #2	7/15/2009	2432912	COBI-PW
Head of the Bay Well #2	8/13/2009	1913300	COBI-PW
Head of the Bay Well #2	9/15/2009	1724991	COBI-PW
Head of the Bay Well #2	10/14/2009	1431954	COBI-PW
Head of the Bay Well #2	11/17/2009	1426919	COBI-PW
Head of the Bay Well #2	12/16/2009	1420877	COBI-PW
Head of the Bay Well #2	1/15/2010	1789364	COBI-PW
Head of the Bay Well #2	2/18/2010	2168432	COBI-PW
Head of the Bay Well #2	3/16/2010	931366	COBI-PW
Head of the Bay Well #2	4/14/2010	1937119	COBI-PW

Production Well	Measurement Date	Production Voulme	Technician
Head of the Bay Well #2	5/13/2010	2110349	COBI-PW
Head of the Bay Well #2	6/23/2010	1429657	COBI-PW
Head of the Bay Well #2	7/13/2010	1335909	COBI-PW
Head of the Bay Well #2	8/20/2010	3068209	COBI-PW
Head of the Bay Well #2	9/15/2010	1600849	COBI-PW
Head of the Bay Well #2	10/15/2010	1380745	COBI-PW
Head of the Bay Well #2	11/12/2010	1080140	COBI-PW
Head of the Bay Well #2	12/15/2010	1800573	COBI-PW
Head of the Bay Well #2	1/18/2011	1281430	COBI-PW
Head of the Bay Well #2	2/22/2011	1452960	COBI-PW
Head of the Bay Well #2	3/15/2011	1337934	COBI-PW
Head of the Bay Well #2	4/19/2011	1578076	COBI-PW
Head of the Bay Well #2	5/17/2011	1847479	COBI-PW
Head of the Bay Well #2	6/15/2011	2115873	COBI-PW
Head of the Bay Well #2	7/20/2011	2607256	COBI-PW
Head of the Bay Well #2	8/18/2011	2534608	COBI-PW
Head of the Bay Well #2	9/14/2011	2181458	COBI-PW
Head of the Bay Well #2	10/20/2011	2271259	COBI-PW
Head of the Bay Well #2	11/16/2011	98882	COBI-PW
Head of the Bay Well #2	12/16/2011	4036	COBI-PW
Head of the Bay Well #2	1/12/2012	0	COBI-PW
Head of the Bay Well #2	2/15/2012	0	COBI-PW
Head of the Bay Well #2	3/19/2012	3027	COBI-PW
Head of the Bay Well #2	4/17/2012	0	COBI-PW
Head of the Bay Well #2	5/10/2012	31279	COBI-PW
Head of the Bay Well #2	6/19/2012	0	COBI-PW
Head of the Bay Well #2	7/18/2012	3027	COBI-PW
Head of the Bay Well #2	8/20/2012	0	COBI-PW
Head of the Bay Well #2	9/18/2012	0	COBI-PW
Head of the Bay Well #2	10/16/2012	56504	COBI-PW
Head of the Bay Well #2	11/14/2012	0	COBI-PW
Head of the Bay Well #2	12/20/2012	902046	COBI-PW
Head of the Bay Well #2	1/17/2013	4036	COBI-PW
Head of the Bay Well #2	2/12/2013	16144	COBI-PW
Head of the Bay Well #2	3/19/2013	0	COBI-PW
Head of the Bay Well #2	4/15/2013	95855	COBI-PW
Head of the Bay Well #2	5/15/2013	24216	COBI-PW
Head of the Bay Well #2	6/19/2013	1334907	COBI-PW
Head of the Bay Well #2	7/19/2013	4850263	COBI-PW
Head of the Bay Well #2	8/16/2013	3959316	COBI-PW
Head of the Bay Well #2	9/19/2013	3824110	COBI-PW
Head of the Bay Well #2	10/25/2013	320862	COBI-PW
Head of the Bay Well #2	11/21/2013	9081	COBI-PW
Head of the Bay Well #2	12/12/2013	54486	COBI-PW
Head of the Bay Well #2	1/21/2014	325120	COBI-PW
Head of the Bay Well #2	2/21/2014	314960	COBI-PW
Head of the Bay Well #2	3/20/2014	221488	COBI-PW
Head of the Bay Well #2	4/22/2014	79248	COBI-PW
Head of the Bay Well #2	5/19/2014	421640	COBI-PW
Head of the Bay Well #2	6/17/2014	338328	COBI-PW
Head of the Bay Well #2	7/16/2014	2077720	COBI-PW

Production Well	Measurement Date	Production Voulme	Technician
Head of the Bay Well #2	8/26/2014	5015992	COBI-PW
Head of the Bay Well #2	9/18/2014	1857248	COBI-PW
Head of the Bay Well #2	10/15/2014	1688592	COBI-PW
Head of the Bay Well #2	11/19/2014	153416	COBI-PW
Head of the Bay Well #2	12/22/2014	2879344	COBI-PW
Head of the Bay Well #2	1/15/2015	2068576	COBI-PW
Head of the Bay Well #2	2/17/2015	3055112	COBI-PW
Head of the Bay Well #2	3/16/2015	714248	COBI-PW
Head of the Bay Well #2	4/21/2015	1525016	COBI-PW
Head of the Bay Well #2	5/21/2015	3506216	COBI-PW
Head of the Bay Well #2	6/23/2015	4205224	COBI-PW
Head of the Bay Well #2	7/16/2015	3552952	COBI-PW
Head of the Bay Well #2	8/17/2015	706120	COBI-PW
Head of the Bay Well #2	9/21/2015	0	COBI-PW
Head of the Bay Well #2	10/14/2015	0	COBI-PW
Head of the Bay Well #2	11/20/2015	0	COBI-PW
Head of the Bay Well #2	12/21/2015	0	COBI-PW
Head of the Bay Well #2	1/26/2016	0	COBI-PW
Head of the Bay Well #2	2/24/2016	0	COBI-PW
Head of the Bay Well #2	3/21/2016	0	COBI-PW
Head of the Bay Well #2	4/25/2016	0	COBI-PW
Head of the Bay Well #2	5/18/2016	0	COBI-PW
Head of the Bay Well #2	6/22/2016	0	COBI-PW
Head of the Bay Well #2	7/20/2016	0	COBI-PW
Head of the Bay Well #2	8/15/2016	0	COBI-PW
Head of the Bay Well #2	10/3/2016	0	COBI-PW
Head of the Bay Well #2	10/26/2016	131064	COBI-PW
Head of the Bay Well #2	11/30/2016	129032	COBI-PW
Head of the Bay Well #2	12/29/2016	283464	COBI-PW
Head of the Bay Well #2	1/24/2017	2299208	COBI-PW
Head of the Bay Well #2	2/23/2017	2427224	COBI-PW
Head of the Bay Well #2	3/23/2017	1786128	COBI-PW
Head of the Bay Well #2	4/19/2017	2862072	COBI-PW
Head of the Bay Well #2	5/22/2017	2825496	COBI-PW
Head of the Bay Well #2	6/23/2017	3006344	COBI-PW
Head of the Bay Well #2	7/18/2017	1004824	COBI-PW
Head of the Bay Well #2	8/15/2017	4077208	COBI-PW
Head of the Bay Well #2	9/20/2017	1619504	COBI-PW
Head of the Bay Well #2	10/18/2017	731520	COBI-PW
Head of the Bay Well #2	11/22/2017	717296	COBI-PW
Head of the Bay Well #2	12/14/2017	1345184	COBI-PW
Head of the Bay Well #2	1/22/2018	1345184	COBI-PW
Head of the Bay Well #2	2/13/2018	1508760	COBI-PW
Head of the Bay Well #2	3/19/2018	2775712	COBI-PW
Head of the Bay Well #2	4/18/2018	1906016	COBI-PW
Head of the Bay Well #2	5/17/2018	1879600	COBI-PW
Head of the Bay Well #2	6/14/2018	2328672	COBI-PW
Head of the Bay Well #2	7/19/2018	3464560	COBI-PW
Head of the Bay Well #2	8/16/2018	3296920	COBI-PW
Head of the Bay Well #2	9/15/2018	0	COBI-PW
Head of the Bay Well #2	10/17/2018	4870704	COBI-PW

Production Well	Measurement Date	Production Voulme	Technician
Head of the Bay Well #2	11/14/2018	1866392	COBI-PW
Head of the Bay Well #2	12/17/2018	2348992	COBI-PW
Head of the Bay Well #2	1/16/2019	1942000	COBI-PW
Head of the Bay Well #2	2/21/2019	1353000	COBI-PW
Head of the Bay Well #2	3/18/2019	870000	COBI-PW
Head of the Bay Well #2	4/16/2019	1507000	COBI-PW
Head of the Bay Well #2	5/16/2019	1479000	COBI-PW
Head of the Bay Well #2	6/18/2019	2811000	COBI-PW
Head of the Bay Well #2	7/17/2019	2669000	COBI-PW
Head of the Bay Well #2	8/16/2019	2734000	COBI-PW
Head of the Bay Well #2	9/20/2019	2501000	COBI-PW
Head of the Bay Well #2	10/16/2019	1298000	COBI-PW
Head of the Bay Well #2	11/18/2019	1359000	COBI-PW
Head of the Bay Well #2	12/16/2019	1142000	COBI-PW
Head of the Bay Well #2	1/16/2020	650000	COBI-PW
Head of the Bay Well #2	2/19/2020	1203000	COBI-PW
Head of the Bay Well #2	3/17/2020	1281000	COBI-PW
Head of the Bay Well #2	4/20/2020	533000	COBI-PW
Head of the Bay Well #2	5/19/2020	476000	COBI-PW
Head of the Bay Well #2	6/17/2020	742000	COBI-PW
Head of the Bay Well #2	7/16/2020	2314000	COBI-PW
Head of the Bay Well #2	8/18/2020	3264000	COBI-PW
Head of the Bay Well #2	9/17/2020	2980000	COBI-PW
Head of the Bay Well #2	10/16/2020	1582000	COBI-PW
Head of the Bay Well #2	11/19/2020	1740000	COBI-PW
Head of the Bay Well #2	12/17/2020	700000	COBI-PW
Head of the Bay Well #2	1/20/2021	1068000	COBI-PW
Head of the Bay Well #2	2/23/2021	1018000	COBI-PW
Head of the Bay Well #2	3/18/2021	813000	COBI-PW
Head of the Bay Well #2	5/19/2021	3381000	COBI-PW
Head of the Bay Well #2	6/17/2021	1949000	COBI-PW
Head of the Bay Well #2	7/15/2021	3041000	COBI-PW
Head of the Bay Well #2	8/18/2021	3493000	COBI-PW
Head of the Bay Well #2	9/14/2021	2392000	COBI-PW
Head of the Bay Well #2	10/18/2021	1547000	COBI-PW
Head of the Bay Well #2	11/16/2021	33000	COBI-PW
Head of the Bay Well #2	12/20/2021	49000	COBI-PW
Head of the Bay Well #3	12/15/2001	129100	not specified
Head of the Bay Well #3	1/15/2002	172200	not specified
Head of the Bay Well #3	2/15/2002	224200	not specified
Head of the Bay Well #3	3/15/2002	235100	not specified
Head of the Bay Well #3	4/15/2002	255300	not specified
Head of the Bay Well #3	5/15/2002	315500	not specified
Head of the Bay Well #3	6/15/2002	139000	not specified
Head of the Bay Well #3	7/15/2002	78300	not specified
Head of the Bay Well #3	8/15/2002	300	not specified
Head of the Bay Well #3	9/15/2002	14800	not specified
Head of the Bay Well #3	10/15/2002	71100	not specified
Head of the Bay Well #3	11/15/2002	304900	not specified
Head of the Bay Well #3	12/15/2002	302200	not specified
Head of the Bay Well #3	1/15/2003	1481000	not specified

Production Well	Measurement Date	Production Voulme	Technician
Head of the Bay Well #3	2/15/2003	1329000	not specified
Head of the Bay Well #3	3/15/2003	1697200	not specified
Head of the Bay Well #3	4/15/2003	1327200	not specified
Head of the Bay Well #3	5/15/2003	1403600	not specified
Head of the Bay Well #3	6/15/2003	0	not specified
Head of the Bay Well #3	7/15/2003	0	not specified
Head of the Bay Well #3	8/15/2003	0	not specified
Head of the Bay Well #3	9/15/2003	0	not specified
Head of the Bay Well #3	10/15/2003	0	not specified
Head of the Bay Well #3	11/15/2003	0	not specified
Head of the Bay Well #3	12/15/2003	0	not specified
Head of the Bay Well #3	1/15/2004	0	not specified
Head of the Bay Well #3	2/15/2004	0	not specified
Head of the Bay Well #3	3/15/2004	0	not specified
Head of the Bay Well #3	4/15/2004	0	not specified
Head of the Bay Well #3	5/15/2004	0	not specified
Head of the Bay Well #3	6/15/2004	0	not specified
Head of the Bay Well #3	7/15/2004	255840	not specified
Head of the Bay Well #3	8/15/2004	1307592	not specified
Head of the Bay Well #3	9/15/2004	1564617.6	not specified
Head of the Bay Well #3	10/15/2004	1193337.6	not specified
Head of the Bay Well #3	11/15/2004	1655000	not specified
Head of the Bay Well #3	12/15/2004	1031000	not specified
Head of the Bay Well #3	1/15/2005	1043000	not specified
Head of the Bay Well #3	2/15/2005	1619000	not specified
Head of the Bay Well #3	3/15/2005	1702000	not specified
Head of the Bay Well #3	4/15/2005	1647000	not specified
Head of the Bay Well #3	5/15/2005	1658000	not specified
Head of the Bay Well #3	6/15/2005	1289000	not specified
Head of the Bay Well #3	7/15/2005	1267000	not specified
Head of the Bay Well #3	8/15/2005	956000	not specified
Head of the Bay Well #3	9/15/2005	0	not specified
Head of the Bay Well #3	10/15/2005	0	not specified
Head of the Bay Well #3	11/15/2005	0	not specified
Head of the Bay Well #3	12/15/2005	119000	not specified
Head of the Bay Well #3	1/15/2006	398000	not specified
Head of the Bay Well #3	2/15/2006	155000	not specified
Head of the Bay Well #3	3/15/2006	0	not specified
Head of the Bay Well #3	4/15/2006	0	COBI-PW
Head of the Bay Well #3	5/15/2006	0	COBI-PW
Head of the Bay Well #3	6/15/2006	1000	COBI-PW
Head of the Bay Well #3	7/15/2006	414000	COBI-PW
Head of the Bay Well #3	8/15/2006	34000	COBI-PW
Head of the Bay Well #3	9/15/2006	1000	COBI-PW
Head of the Bay Well #3	10/15/2006	2000	COBI-PW
Head of the Bay Well #3	11/15/2006	341000	COBI-PW
Head of the Bay Well #3	12/15/2006	294000	COBI-PW
Head of the Bay Well #3	1/15/2007	183000	COBI-PW
Head of the Bay Well #3	2/15/2007	0	COBI-PW
Head of the Bay Well #3	3/15/2007	0	COBI-PW
Head of the Bay Well #3	4/15/2007	0	COBI-PW

Production Well	Measurement Date	Production Voulme	Technician
Head of the Bay Well #3	5/15/2007	0	COBI-PW
Head of the Bay Well #3	6/15/2007	0	COBI-PW
Head of the Bay Well #3	7/15/2007	0	COBI-PW
Head of the Bay Well #3	8/15/2007	0	COBI-PW
Head of the Bay Well #3	9/15/2007	0	COBI-PW
Head of the Bay Well #3	10/15/2007	0	COBI-PW
Head of the Bay Well #3	11/15/2007	0	COBI-PW
Head of the Bay Well #3	12/15/2007	0	COBI-PW
Head of the Bay Well #3	1/15/2008	0	COBI-PW
Head of the Bay Well #3	2/15/2008	682000	COBI-PW
Head of the Bay Well #3	3/15/2008	517000	COBI-PW
Head of the Bay Well #3	4/15/2008	648000	COBI-PW
Head of the Bay Well #3	5/15/2008	624000	COBI-PW
Head of the Bay Well #3	6/15/2008	483000	COBI-PW
Head of the Bay Well #3	7/15/2008	265000	COBI-PW
Head of the Bay Well #3	8/15/2008	80000	COBI-PW
Head of the Bay Well #3	9/15/2008	0	COBI-PW
Head of the Bay Well #3	10/15/2008	17000	COBI-PW
Head of the Bay Well #3	1/15/2009	91816	COBI-PW
Head of the Bay Well #3	2/11/2009	167664	COBI-PW
Head of the Bay Well #3	3/13/2009	136726	COBI-PW
Head of the Bay Well #3	4/15/2009	29940	COBI-PW
Head of the Bay Well #3	5/14/2009	0	COBI-PW
Head of the Bay Well #3	6/17/2009	0	COBI-PW
Head of the Bay Well #3	7/15/2009	0	COBI-PW
Head of the Bay Well #3	8/13/2009	0	COBI-PW
Head of the Bay Well #3	9/15/2009	0	COBI-PW
Head of the Bay Well #3	10/14/2009	35928	COBI-PW
Head of the Bay Well #3	11/17/2009	39920	COBI-PW
Head of the Bay Well #3	12/16/2009	0	COBI-PW
Head of the Bay Well #3	1/15/2010	0	COBI-PW
Head of the Bay Well #3	2/18/2010	0	COBI-PW
Head of the Bay Well #3	3/16/2010	0	COBI-PW
Head of the Bay Well #3	4/14/2010	0	COBI-PW
Head of the Bay Well #3	5/13/2010	0	COBI-PW
Head of the Bay Well #3	6/23/2010	0	COBI-PW
Head of the Bay Well #3	7/13/2010	0	COBI-PW
Head of the Bay Well #3	8/20/2010	0	COBI-PW
Head of the Bay Well #3	9/15/2010	9000	COBI-PW
Head of the Bay Well #3	10/15/2010	5000	COBI-PW
Head of the Bay Well #3	11/12/2010	0	COBI-PW
Head of the Bay Well #3	12/15/2010	0	COBI-PW
Head of the Bay Well #3	1/18/2011	0	COBI-PW
Head of the Bay Well #3	2/22/2011	0	COBI-PW
Head of the Bay Well #3	3/15/2011	0	COBI-PW
Head of the Bay Well #3	4/19/2011	0	COBI-PW
Head of the Bay Well #3	5/17/2011	0	COBI-PW
Head of the Bay Well #3	6/15/2011	0	COBI-PW
Head of the Bay Well #3	7/20/2011	0	COBI-PW
Head of the Bay Well #3	8/18/2011	0	COBI-PW
Head of the Bay Well #3	9/14/2011	0	COBI-PW

Production Well	Measurement Date	Production Voulme	Technician
Head of the Bay Well #3	10/20/2011	2056	COBI-PW
Head of the Bay Well #3	11/16/2011	0	COBI-PW
Head of the Bay Well #3	12/16/2011	340268	COBI-PW
Head of the Bay Well #3	1/12/2012	0	COBI-PW
Head of the Bay Well #3	2/15/2012	487272	COBI-PW
Head of the Bay Well #3	3/19/2012	2948304	COBI-PW
Head of the Bay Well #3	4/17/2012	3177548	COBI-PW
Head of the Bay Well #3	5/10/2012	2111512	COBI-PW
Head of the Bay Well #3	6/19/2012	5647832	COBI-PW
Head of the Bay Well #3	7/18/2012	3740892	COBI-PW
Head of the Bay Well #3	8/20/2012	4967296	COBI-PW
Head of the Bay Well #3	9/18/2012	4968324	COBI-PW
Head of the Bay Well #3	10/16/2012	4088356	COBI-PW
Head of the Bay Well #3	11/14/2012	3004844	COBI-PW
Head of the Bay Well #3	12/20/2012	3793320	COBI-PW
Head of the Bay Well #3	1/17/2013	2969892	COBI-PW
Head of the Bay Well #3	2/12/2013	1167808	COBI-PW
Head of the Bay Well #3	3/19/2013	0	COBI-PW
Head of the Bay Well #3	4/15/2013	93548	COBI-PW
Head of the Bay Well #3	5/15/2013	3903316	COBI-PW
Head of the Bay Well #3	6/19/2013	5600544	COBI-PW
Head of the Bay Well #3	7/19/2013	5625216	COBI-PW
Head of the Bay Well #3	8/16/2013	1890492	COBI-PW
Head of the Bay Well #3	9/19/2013	1083512	COBI-PW
Head of the Bay Well #3	10/25/2013	634276	COBI-PW
Head of the Bay Well #3	11/21/2013	1258272	COBI-PW
Head of the Bay Well #3	12/12/2013	1484432	COBI-PW
Head of the Bay Well #3	1/21/2014	1324566	COBI-PW
Head of the Bay Well #3	2/21/2014	836190	COBI-PW
Head of the Bay Well #3	3/20/2014	1399464	COBI-PW
Head of the Bay Well #3	4/22/2014	2836890	COBI-PW
Head of the Bay Well #3	5/19/2014	1528740	COBI-PW
Head of the Bay Well #3	6/17/2014	235980	COBI-PW
Head of the Bay Well #3	7/16/2014	2506518	COBI-PW
Head of the Bay Well #3	8/26/2014	6014412	COBI-PW
Head of the Bay Well #3	9/18/2014	2621430	COBI-PW
Head of the Bay Well #3	10/15/2014	2406996	COBI-PW
Head of the Bay Well #3	11/19/2014	204174	COBI-PW
Head of the Bay Well #3	12/22/2014	3379644	COBI-PW
Head of the Bay Well #3	1/15/2015	2435724	COBI-PW
Head of the Bay Well #3	2/17/2015	3553038	COBI-PW
Head of the Bay Well #3	3/16/2015	867996	COBI-PW
Head of the Bay Well #3	4/21/2015	1848852	COBI-PW
Head of the Bay Well #3	5/21/2015	3905982	COBI-PW
Head of the Bay Well #3	6/23/2015	4663170	COBI-PW
Head of the Bay Well #3	7/16/2015	3952152	COBI-PW
Head of the Bay Well #3	8/17/2015	5272614	COBI-PW
Head of the Bay Well #3	9/21/2015	4725756	COBI-PW
Head of the Bay Well #3	10/14/2015	3184704	COBI-PW
Head of the Bay Well #3	11/20/2015	4215834	COBI-PW
Head of the Bay Well #3	12/21/2015	3547908	COBI-PW

Production Well	Measurement Date	Production Voulme	Technician
Head of the Bay Well #3	1/26/2016	4084506	COBI-PW
Head of the Bay Well #3	2/24/2016	3270888	COBI-PW
Head of the Bay Well #3	3/21/2016	3124170	COBI-PW
Head of the Bay Well #3	4/25/2016	4554414	COBI-PW
Head of the Bay Well #3	5/18/2016	1336878	COBI-PW
Head of the Bay Well #3	6/22/2016	4198392	COBI-PW
Head of the Bay Well #3	7/20/2016	3002076	COBI-PW
Head of the Bay Well #3	8/15/2016	4237380	COBI-PW
Head of the Bay Well #3	10/3/2016	4432320	COBI-PW
Head of the Bay Well #3	10/26/2016	863892	COBI-PW
Head of the Bay Well #3	11/30/2016	1927854	COBI-PW
Head of the Bay Well #3	12/29/2016	1864242	COBI-PW
Head of the Bay Well #3	1/24/2017	1375866	COBI-PW
Head of the Bay Well #3	2/23/2017	3327318	COBI-PW
Head of the Bay Well #3	3/23/2017	3423762	COBI-PW
Head of the Bay Well #3	4/19/2017	2570130	COBI-PW
Head of the Bay Well #3	5/22/2017	4024998	COBI-PW
Head of the Bay Well #3	6/23/2017	4008582	COBI-PW
Head of the Bay Well #3	7/18/2017	4175820	COBI-PW
Head of the Bay Well #3	8/15/2017	4243536	COBI-PW
Head of the Bay Well #3	9/20/2017	5829732	COBI-PW
Head of the Bay Well #3	10/18/2017	2378268	COBI-PW
Head of the Bay Well #3	11/22/2017	1269162	COBI-PW
Head of the Bay Well #3	12/14/2017	1067040	COBI-PW
Head of the Bay Well #3	1/22/2018	2237706	COBI-PW
Head of the Bay Well #3	2/13/2018	2275668	COBI-PW
Head of the Bay Well #3	3/19/2018	4085532	COBI-PW
Head of the Bay Well #3	4/18/2018	2792772	COBI-PW
Head of the Bay Well #3	5/17/2018	2888190	COBI-PW
Head of the Bay Well #3	6/14/2018	3577662	COBI-PW
Head of the Bay Well #3	7/19/2018	5365980	COBI-PW
Head of the Bay Well #3	8/16/2018	5195664	COBI-PW
Head of the Bay Well #3	9/15/2018	0	COBI-PW
Head of the Bay Well #3	10/17/2018	7536996	COBI-PW
Head of the Bay Well #3	11/14/2018	2756862	COBI-PW
Head of the Bay Well #3	12/17/2018	3450438	COBI-PW
Head of the Bay Well #3	1/16/2019	2907000	COBI-PW
Head of the Bay Well #3	2/21/2019	1899000	COBI-PW
Head of the Bay Well #3	3/18/2019	1189000	COBI-PW
Head of the Bay Well #3	4/16/2019	2689000	COBI-PW
Head of the Bay Well #3	5/16/2019	1349000	COBI-PW
Head of the Bay Well #3	6/18/2019	5745000	COBI-PW
Head of the Bay Well #3	7/17/2019	4551000	COBI-PW
Head of the Bay Well #3	8/16/2019	4735000	COBI-PW
Head of the Bay Well #3	9/20/2019	4626000	COBI-PW
Head of the Bay Well #3	10/16/2019	2513000	COBI-PW
Head of the Bay Well #3	11/18/2019	2652000	COBI-PW
Head of the Bay Well #3	12/16/2019	2211000	COBI-PW
Head of the Bay Well #3	1/16/2020	1629000	COBI-PW
Head of the Bay Well #3	2/19/2020	2392000	COBI-PW
Head of the Bay Well #3	3/17/2020	2536000	COBI-PW

Production Well	Measurement Date	Production Voulme	Technician
Head of the Bay Well #3	4/20/2020	1186000	COBI-PW
Head of the Bay Well #3	5/19/2020	998000	COBI-PW
Head of the Bay Well #3	6/17/2020	1494000	COBI-PW
Head of the Bay Well #3	7/16/2020	4429000	COBI-PW
Head of the Bay Well #3	8/18/2020	6213000	COBI-PW
Head of the Bay Well #3	9/17/2020	5693000	COBI-PW
Head of the Bay Well #3	10/16/2020	3032000	COBI-PW
Head of the Bay Well #3	11/19/2020	3331000	COBI-PW
Head of the Bay Well #3	12/17/2020	1453000	COBI-PW
Head of the Bay Well #3	1/20/2021	2139000	COBI-PW
Head of the Bay Well #3	2/23/2021	2002000	COBI-PW
Head of the Bay Well #3	3/18/2021	1594000	COBI-PW
Head of the Bay Well #3	5/19/2021	6362000	COBI-PW
Head of the Bay Well #3	6/17/2021	3626000	COBI-PW
Head of the Bay Well #3	7/15/2021	5681000	COBI-PW
Head of the Bay Well #3	8/18/2021	6611000	COBI-PW
Head of the Bay Well #3	9/14/2021	4594000	COBI-PW
Head of the Bay Well #3	10/18/2021	2994000	COBI-PW
Head of the Bay Well #3	11/16/2021	239000	COBI-PW
Head of the Bay Well #3	12/20/2021	1195000	COBI-PW
Head of the Bay Well #4	12/15/2001	1224100	not specified
Head of the Bay Well #4	1/15/2002	1230300	not specified
Head of the Bay Well #4	2/15/2002	766100	not specified
Head of the Bay Well #4	3/15/2002	753300	not specified
Head of the Bay Well #4	4/15/2002	977300	not specified
Head of the Bay Well #4	5/15/2002	732000	not specified
Head of the Bay Well #4	6/15/2002	780100	not specified
Head of the Bay Well #4	7/15/2002	1668800	not specified
Head of the Bay Well #4	8/15/2002	1855200	not specified
Head of the Bay Well #4	9/15/2002	1858400	not specified
Head of the Bay Well #4	10/15/2002	1176200	not specified
Head of the Bay Well #4	11/15/2002	812600	not specified
Head of the Bay Well #4	12/15/2002	662400	not specified
Head of the Bay Well #4	1/15/2003	25500	not specified
Head of the Bay Well #4	2/15/2003	4300	not specified
Head of the Bay Well #4	3/15/2003	17600	not specified
Head of the Bay Well #4	4/15/2003	19300	not specified
Head of the Bay Well #4	5/15/2003	19400	not specified
Head of the Bay Well #4	6/15/2003	1865368.8	not specified
Head of the Bay Well #4	7/15/2003	2673471	not specified
Head of the Bay Well #4	8/15/2003	2574841.2	not specified
Head of the Bay Well #4	9/15/2003	1496695.2	not specified
Head of the Bay Well #4	10/15/2003	1050378	not specified
Head of the Bay Well #4	11/15/2003	846924	not specified
Head of the Bay Well #4	12/15/2003	830743.8	not specified
Head of the Bay Well #4	1/15/2004	958850.4	not specified
Head of the Bay Well #4	2/15/2004	829569	not specified
Head of the Bay Well #4	3/15/2004	872823	not specified
Head of the Bay Well #4	4/15/2004	1151944.8	not specified
Head of the Bay Well #4	5/15/2004	1230816.6	not specified
Head of the Bay Well #4	6/15/2004	1251589.2	not specified

Production Well	Measurement Date	Production Voulme	Technician
Head of the Bay Well #4	7/15/2004	1744097.4	not specified
Head of the Bay Well #4	8/15/2004	586225.2	not specified
Head of the Bay Well #4	9/15/2004	20559	not specified
Head of the Bay Well #4	10/15/2004	41758.8	not specified
Head of the Bay Well #4	11/15/2004	16000	not specified
Head of the Bay Well #4	12/15/2004	36000	not specified
Head of the Bay Well #4	1/15/2005	17000	not specified
Head of the Bay Well #4	2/15/2005	6000	not specified
Head of the Bay Well #4	3/15/2005	308000	not specified
Head of the Bay Well #4	4/15/2005	208000	not specified
Head of the Bay Well #4	5/15/2005	19000	not specified
Head of the Bay Well #4	6/15/2005	20000	not specified
Head of the Bay Well #4	7/15/2005	3000	not specified
Head of the Bay Well #4	8/15/2005	217000	not specified
Head of the Bay Well #4	9/15/2005	1000	not specified
Head of the Bay Well #4	10/15/2005	22000	not specified
Head of the Bay Well #4	11/15/2005	11000	not specified
Head of the Bay Well #4	12/15/2005	23000	not specified
Head of the Bay Well #4	1/15/2006	39000	not specified
Head of the Bay Well #4	2/15/2006	60000	not specified
Head of the Bay Well #4	3/15/2006	55000	not specified
Head of the Bay Well #4	4/15/2006	29000	COBI-PW
Head of the Bay Well #4	5/15/2006	1000	COBI-PW
Head of the Bay Well #4	6/15/2006	6000	COBI-PW
Head of the Bay Well #4	7/15/2006	156000	COBI-PW
Head of the Bay Well #4	8/15/2006	34000	COBI-PW
Head of the Bay Well #4	9/15/2006	3000	COBI-PW
Head of the Bay Well #4	10/15/2006	21000	COBI-PW
Head of the Bay Well #4	11/15/2006	43000	COBI-PW
Head of the Bay Well #4	12/15/2006	27000	COBI-PW
Head of the Bay Well #4	1/15/2007	67000	COBI-PW
Head of the Bay Well #4	2/15/2007	14000	COBI-PW
Head of the Bay Well #4	3/15/2007	85000	COBI-PW
Head of the Bay Well #4	4/15/2007	128000	COBI-PW
Head of the Bay Well #4	5/15/2007	103000	COBI-PW
Head of the Bay Well #4	6/15/2007	16000	COBI-PW
Head of the Bay Well #4	7/15/2007	0	COBI-PW
Head of the Bay Well #4	8/15/2007	49000	COBI-PW
Head of the Bay Well #4	9/15/2007	58000	COBI-PW
Head of the Bay Well #4	10/15/2007	40000	COBI-PW
Head of the Bay Well #4	11/15/2007	56000	COBI-PW
Head of the Bay Well #4	12/15/2007	38000	COBI-PW
Head of the Bay Well #4	1/15/2008	8000	COBI-PW
Head of the Bay Well #4	2/15/2008	96000	COBI-PW
Head of the Bay Well #4	3/15/2008	59000	COBI-PW
Head of the Bay Well #4	4/15/2008	98000	COBI-PW
Head of the Bay Well #4	5/15/2008	102000	COBI-PW
Head of the Bay Well #4	6/15/2008	60000	COBI-PW
Head of the Bay Well #4	7/15/2008	746000	COBI-PW
Head of the Bay Well #4	8/15/2008	614000	COBI-PW
Head of the Bay Well #4	9/15/2008	931000	COBI-PW

Production Well	Measurement Date	Production Voulme	Technician
Head of the Bay Well #4	10/15/2008	668000	COBI-PW
Head of the Bay Well #4	1/15/2009	646816	COBI-PW
Head of the Bay Well #4	2/11/2009	484126	COBI-PW
Head of the Bay Well #4	3/13/2009	951490	COBI-PW
Head of the Bay Well #4	4/15/2009	1194046	COBI-PW
Head of the Bay Well #4	5/14/2009	0	COBI-PW
Head of the Bay Well #4	6/17/2009	2676990	COBI-PW
Head of the Bay Well #4	7/15/2009	1598306	COBI-PW
Head of the Bay Well #4	8/13/2009	1252220	COBI-PW
Head of the Bay Well #4	9/15/2009	1120096	COBI-PW
Head of the Bay Well #4	10/14/2009	1027412	COBI-PW
Head of the Bay Well #4	11/17/2009	849932	COBI-PW
Head of the Bay Well #4	12/16/2009	925854	COBI-PW
Head of the Bay Well #4	1/15/2010	1156190	COBI-PW
Head of the Bay Well #4	2/18/2010	1403945	COBI-PW
Head of the Bay Well #4	3/16/2010	601975	COBI-PW
Head of the Bay Well #4	4/14/2010	1248725	COBI-PW
Head of the Bay Well #4	5/13/2010	1353200	COBI-PW
Head of the Bay Well #4	6/23/2010	932315	COBI-PW
Head of the Bay Well #4	7/13/2010	854705	COBI-PW
Head of the Bay Well #4	8/20/2010	1861645	COBI-PW
Head of the Bay Well #4	9/15/2010	1021865	COBI-PW
Head of the Bay Well #4	10/15/2010	884555	COBI-PW
Head of the Bay Well #4	11/12/2010	693515	COBI-PW
Head of the Bay Well #4	12/15/2010	1140270	COBI-PW
Head of the Bay Well #4	1/18/2011	754196	COBI-PW
Head of the Bay Well #4	2/22/2011	838098	COBI-PW
Head of the Bay Well #4	3/15/2011	783700	COBI-PW
Head of the Bay Well #4	4/19/2011	915546	COBI-PW
Head of the Bay Well #4	5/17/2011	1078740	COBI-PW
Head of the Bay Well #4	6/15/2011	1227182	COBI-PW
Head of the Bay Well #4	7/20/2011	1505626	COBI-PW
Head of the Bay Well #4	8/18/2011	1453994	COBI-PW
Head of the Bay Well #4	9/14/2011	1245622	COBI-PW
Head of the Bay Well #4	10/20/2011	1264984	COBI-PW
Head of the Bay Well #4	11/16/2011	0	COBI-PW
Head of the Bay Well #4	12/16/2011	84824	COBI-PW
Head of the Bay Well #4	1/12/2012	470220	COBI-PW
Head of the Bay Well #4	2/15/2012	575328	COBI-PW
Head of the Bay Well #4	3/19/2012	955192	COBI-PW
Head of the Bay Well #4	4/17/2012	1040016	COBI-PW
Head of the Bay Well #4	5/10/2012	693344	COBI-PW
Head of the Bay Well #4	6/19/2012	1837546	COBI-PW
Head of the Bay Well #4	7/18/2012	1209664	COBI-PW
Head of the Bay Well #4	8/20/2012	1628252	COBI-PW
Head of the Bay Well #4	9/18/2012	1625486	COBI-PW
Head of the Bay Well #4	10/16/2012	1342432	COBI-PW
Head of the Bay Well #4	11/14/2012	1001292	COBI-PW
Head of the Bay Well #4	12/20/2012	954270	COBI-PW
Head of the Bay Well #4	1/17/2013	986540	COBI-PW
Head of the Bay Well #4	2/12/2013	390928	COBI-PW

Production Well	Measurement Date	Production Voulme	Technician
Head of the Bay Well #4	3/19/2013	14752	COBI-PW
Head of the Bay Well #4	4/15/2013	18440	COBI-PW
Head of the Bay Well #4	5/15/2013	1264062	COBI-PW
Head of the Bay Well #4	6/19/2013	1325836	COBI-PW
Head of the Bay Well #4	7/19/2013	0	COBI-PW
Head of the Bay Well #4	8/16/2013	0	COBI-PW
Head of the Bay Well #4	9/19/2013	6454	COBI-PW
Head of the Bay Well #4	10/25/2013	638946	COBI-PW
Head of the Bay Well #4	11/21/2013	850084	COBI-PW
Head of the Bay Well #4	12/12/2013	425964	COBI-PW
Head of the Bay Well #4	1/21/2014	282440	COBI-PW
Head of the Bay Well #4	2/21/2014	161920	COBI-PW
Head of the Bay Well #4	3/20/2014	345920	COBI-PW
Head of the Bay Well #4	4/22/2014	841800	COBI-PW
Head of the Bay Well #4	5/19/2014	269560	COBI-PW
Head of the Bay Well #4	6/17/2014	3680	COBI-PW
Head of the Bay Well #4	7/16/2014	0	COBI-PW
Head of the Bay Well #4	8/26/2014	27600	COBI-PW
Head of the Bay Well #4	9/18/2014	0	COBI-PW
Head of the Bay Well #4	10/15/2014	920	COBI-PW
Head of the Bay Well #4	11/19/2014	8280	COBI-PW
Head of the Bay Well #4	12/22/2014	1840	COBI-PW
Head of the Bay Well #4	1/15/2015	920	COBI-PW
Head of the Bay Well #4	2/17/2015	920	COBI-PW
Head of the Bay Well #4	3/16/2015	13800	COBI-PW
Head of the Bay Well #4	4/21/2015	46920	COBI-PW
Head of the Bay Well #4	5/21/2015	920	COBI-PW
Head of the Bay Well #4	6/23/2015	0	COBI-PW
Head of the Bay Well #4	7/16/2015	0	COBI-PW
Head of the Bay Well #4	8/17/2015	1444400	COBI-PW
Head of the Bay Well #4	9/21/2015	1518000	COBI-PW
Head of the Bay Well #4	10/14/2015	1030400	COBI-PW
Head of the Bay Well #4	11/20/2015	1361600	COBI-PW
Head of the Bay Well #4	12/21/2015	1143560	COBI-PW
Head of the Bay Well #4	1/26/2016	1307320	COBI-PW
Head of the Bay Well #4	2/24/2016	1036840	COBI-PW
Head of the Bay Well #4	3/21/2016	996360	COBI-PW
Head of the Bay Well #4	4/25/2016	1520760	COBI-PW
Head of the Bay Well #4	5/18/2016	382720	COBI-PW
Head of the Bay Well #4	6/22/2016	1326640	COBI-PW
Head of the Bay Well #4	7/20/2016	943000	COBI-PW
Head of the Bay Well #4	8/15/2016	1382760	COBI-PW
Head of the Bay Well #4	10/3/2016	1343200	COBI-PW
Head of the Bay Well #4	10/26/2016	218960	COBI-PW
Head of the Bay Well #4	11/30/2016	548320	COBI-PW
Head of the Bay Well #4	12/29/2016	518880	COBI-PW
Head of the Bay Well #4	1/24/2017	337640	COBI-PW
Head of the Bay Well #4	2/23/2017	0	COBI-PW
Head of the Bay Well #4	3/23/2017	0	COBI-PW
Head of the Bay Well #4	4/19/2017	920	COBI-PW
Head of the Bay Well #4	5/22/2017	0	COBI-PW

Production Well	Measurement Date	Production Voulme	Technician
Head of the Bay Well #4	6/23/2017	0	COBI-PW
Head of the Bay Well #4	7/18/2017	0	COBI-PW
Head of the Bay Well #4	8/15/2017	420440	COBI-PW
Head of the Bay Well #4	9/20/2017	0	COBI-PW
Head of the Bay Well #4	10/18/2017	0	COBI-PW
Head of the Bay Well #4	11/22/2017	0	COBI-PW
Head of the Bay Well #4	12/14/2017	87400	COBI-PW
Head of the Bay Well #4	1/22/2018	217120	COBI-PW
Head of the Bay Well #4	2/13/2018	11960	COBI-PW
Head of the Bay Well #4	3/19/2018	9200	COBI-PW
Head of the Bay Well #4	4/18/2018	2760	COBI-PW
Head of the Bay Well #4	5/17/2018	23000	COBI-PW
Head of the Bay Well #4	6/14/2018	0	COBI-PW
Head of the Bay Well #4	7/19/2018	10120	COBI-PW
Head of the Bay Well #4	8/16/2018	0	COBI-PW
Head of the Bay Well #4	9/15/2018	0	COBI-PW
Head of the Bay Well #4	10/17/2018	2760	COBI-PW
Head of the Bay Well #4	11/14/2018	4600	COBI-PW
Head of the Bay Well #4	12/17/2018	0	COBI-PW
Head of the Bay Well #4	1/16/2019	9000	COBI-PW
Head of the Bay Well #4	2/21/2019	23000	COBI-PW
Head of the Bay Well #4	3/18/2019	64000	COBI-PW
Head of the Bay Well #4	4/16/2019	9000	COBI-PW
Head of the Bay Well #4	5/16/2019	18000	COBI-PW
Head of the Bay Well #4	6/18/2019	3000	COBI-PW
Head of the Bay Well #4	7/17/2019	0	COBI-PW
Head of the Bay Well #4	8/16/2019	0	COBI-PW
Head of the Bay Well #4	9/20/2019	13000	COBI-PW
Head of the Bay Well #4	10/16/2019	0	COBI-PW
Head of the Bay Well #4	11/18/2019	4000	COBI-PW
Head of the Bay Well #4	12/16/2019	10000	COBI-PW
Head of the Bay Well #4	1/16/2020	57000	COBI-PW
Head of the Bay Well #4	2/19/2020	34000	COBI-PW
Head of the Bay Well #4	3/17/2020	9000	COBI-PW
Head of the Bay Well #4	4/20/2020	80000	COBI-PW
Head of the Bay Well #4	5/19/2020	76000	COBI-PW
Head of the Bay Well #4	6/17/2020	53000	COBI-PW
Head of the Bay Well #4	7/16/2020	4000	COBI-PW
Head of the Bay Well #4	8/18/2020	0	COBI-PW
Head of the Bay Well #4	9/17/2020	0	COBI-PW
Head of the Bay Well #4	10/16/2020	2000	COBI-PW
Head of the Bay Well #4	11/19/2020	0	COBI-PW
Head of the Bay Well #4	12/17/2020	0	COBI-PW
Head of the Bay Well #4	1/20/2021	73000	COBI-PW
Head of the Bay Well #4	2/23/2021	34000	COBI-PW
Head of the Bay Well #4	3/18/2021	38000	COBI-PW
Head of the Bay Well #4	5/19/2021	15000	COBI-PW
Head of the Bay Well #4	6/17/2021	0	COBI-PW
Head of the Bay Well #4	7/15/2021	0	COBI-PW
Head of the Bay Well #4	8/18/2021	0	COBI-PW
Head of the Bay Well #4	9/14/2021	0	COBI-PW

Production Well	Measurement Date	Production Voulme	Technician
Head of the Bay Well #4	10/18/2021	10000	COBI-PW
Head of the Bay Well #4	11/16/2021	19000	COBI-PW
Head of the Bay Well #4	12/20/2021	24000	COBI-PW
Head of the Bay Well #5	12/15/2001	1463000	not specified
Head of the Bay Well #5	1/15/2002	1463900	not specified
Head of the Bay Well #5	2/15/2002	919600	not specified
Head of the Bay Well #5	3/15/2002	911300	not specified
Head of the Bay Well #5	4/15/2002	1160900	not specified
Head of the Bay Well #5	5/15/2002	882100	not specified
Head of the Bay Well #5	6/15/2002	916900	not specified
Head of the Bay Well #5	7/15/2002	1932500	not specified
Head of the Bay Well #5	8/15/2002	2139700	not specified
Head of the Bay Well #5	9/15/2002	2142800	not specified
Head of the Bay Well #5	10/15/2002	1376600	not specified
Head of the Bay Well #5	11/15/2002	939500	not specified
Head of the Bay Well #5	12/15/2002	774000	not specified
Head of the Bay Well #5	1/15/2003	1408600	not specified
Head of the Bay Well #5	2/15/2003	1324900	not specified
Head of the Bay Well #5	3/15/2003	1657800	not specified
Head of the Bay Well #5	4/15/2003	1282400	not specified
Head of the Bay Well #5	5/15/2003	1374400	not specified
Head of the Bay Well #5	6/15/2003	40788	not specified
Head of the Bay Well #5	7/15/2003	0	not specified
Head of the Bay Well #5	8/15/2003	291390	not specified
Head of the Bay Well #5	9/15/2003	1854600	not specified
Head of the Bay Well #5	10/15/2003	1298616	not specified
Head of the Bay Well #5	11/15/2003	1045902	not specified
Head of the Bay Well #5	12/15/2003	1026234	not specified
Head of the Bay Well #5	1/15/2004	1185228	not specified
Head of the Bay Well #5	2/15/2004	1024254	not specified
Head of the Bay Well #5	3/15/2004	1078044	not specified
Head of the Bay Well #5	4/15/2004	1422696	not specified
Head of the Bay Well #5	5/15/2004	1520508	not specified
Head of the Bay Well #5	6/15/2004	1547238	not specified
Head of the Bay Well #5	7/15/2004	2154834	not specified
Head of the Bay Well #5	8/15/2004	535062	not specified
Head of the Bay Well #5	9/15/2004	26862	not specified
Head of the Bay Well #5	10/15/2004	46002	not specified
Head of the Bay Well #5	11/15/2004	51000	not specified
Head of the Bay Well #5	12/15/2004	94000	not specified
Head of the Bay Well #5	1/15/2005	81000	not specified
Head of the Bay Well #5	2/15/2005	43000	not specified
Head of the Bay Well #5	3/15/2005	35000	not specified
Head of the Bay Well #5	4/15/2005	214000	not specified
Head of the Bay Well #5	5/15/2005	60000	not specified
Head of the Bay Well #5	6/15/2005	67000	not specified
Head of the Bay Well #5	7/15/2005	32000	not specified
Head of the Bay Well #5	8/15/2005	1281000	not specified
Head of the Bay Well #5	9/15/2005	1376000	not specified
Head of the Bay Well #5	10/15/2005	1500000	not specified
Head of the Bay Well #5	11/15/2005	910000	not specified

Production Well	Measurement Date	Production Voulme	Technician
Head of the Bay Well #5	12/15/2005	844000	not specified
Head of the Bay Well #5	1/15/2006	659000	not specified
Head of the Bay Well #5	2/15/2006	364000	not specified
Head of the Bay Well #5	3/15/2006	0	not specified
Head of the Bay Well #5	4/15/2006	0	COBI-PW
Head of the Bay Well #5	5/15/2006	0	COBI-PW
Head of the Bay Well #5	6/15/2006	24000	COBI-PW
Head of the Bay Well #5	7/15/2006	179000	COBI-PW
Head of the Bay Well #5	8/15/2006	15000	COBI-PW
Head of the Bay Well #5	9/15/2006	22000	COBI-PW
Head of the Bay Well #5	10/15/2006	111000	COBI-PW
Head of the Bay Well #5	11/15/2006	112000	COBI-PW
Head of the Bay Well #5	12/15/2006	81000	COBI-PW
Head of the Bay Well #5	1/15/2007	137000	COBI-PW
Head of the Bay Well #5	2/15/2007	36000	COBI-PW
Head of the Bay Well #5	3/15/2007	169000	COBI-PW
Head of the Bay Well #5	4/15/2007	231000	COBI-PW
Head of the Bay Well #5	5/15/2007	183000	COBI-PW
Head of the Bay Well #5	6/15/2007	57000	COBI-PW
Head of the Bay Well #5	7/15/2007	0	COBI-PW
Head of the Bay Well #5	8/15/2007	153000	COBI-PW
Head of the Bay Well #5	9/15/2007	127000	COBI-PW
Head of the Bay Well #5	10/15/2007	98000	COBI-PW
Head of the Bay Well #5	11/15/2007	149000	COBI-PW
Head of the Bay Well #5	12/15/2007	109000	COBI-PW
Head of the Bay Well #5	1/15/2008	13000	COBI-PW
Head of the Bay Well #5	2/15/2008	187000	COBI-PW
Head of the Bay Well #5	3/15/2008	123000	COBI-PW
Head of the Bay Well #5	4/15/2008	170000	COBI-PW
Head of the Bay Well #5	5/15/2008	174000	COBI-PW
Head of the Bay Well #5	6/15/2008	121000	COBI-PW
Head of the Bay Well #5	7/15/2008	752000	COBI-PW
Head of the Bay Well #5	8/15/2008	615000	COBI-PW
Head of the Bay Well #5	9/15/2008	905000	COBI-PW
Head of the Bay Well #5	10/15/2008	675000	COBI-PW
Head of the Bay Well #5	1/15/2009	689232	COBI-PW
Head of the Bay Well #5	2/11/2009	494016	COBI-PW
Head of the Bay Well #5	3/13/2009	991020	COBI-PW
Head of the Bay Well #5	4/15/2009	1187232	COBI-PW
Head of the Bay Well #5	5/14/2009	0	COBI-PW
Head of the Bay Well #5	6/17/2009	2677248	COBI-PW
Head of the Bay Well #5	7/15/2009	1602564	COBI-PW
Head of the Bay Well #5	8/13/2009	1264920	COBI-PW
Head of the Bay Well #5	9/15/2009	1130460	COBI-PW
Head of the Bay Well #5	10/14/2009	948192	COBI-PW
Head of the Bay Well #5	11/17/2009	977076	COBI-PW
Head of the Bay Well #5	12/16/2009	960144	COBI-PW
Head of the Bay Well #5	1/15/2010	1183055	COBI-PW
Head of the Bay Well #5	2/18/2010	1436780	COBI-PW
Head of the Bay Well #5	3/16/2010	614910	COBI-PW
Head of the Bay Well #5	4/14/2010	1279570	COBI-PW

Production Well	Measurement Date	Production Voulme	Technician
Head of the Bay Well #5	5/13/2010	1372105	COBI-PW
Head of the Bay Well #5	6/23/2010	973110	COBI-PW
Head of the Bay Well #5	7/13/2010	873610	COBI-PW
Head of the Bay Well #5	8/20/2010	1999950	COBI-PW
Head of the Bay Well #5	9/15/2010	1040770	COBI-PW
Head of the Bay Well #5	10/15/2010	911420	COBI-PW
Head of the Bay Well #5	11/12/2010	733315	COBI-PW
Head of the Bay Well #5	12/15/2010	1188030	COBI-PW
Head of the Bay Well #5	1/18/2011	860544	COBI-PW
Head of the Bay Well #5	2/22/2011	973092	COBI-PW
Head of the Bay Well #5	3/15/2011	897396	COBI-PW
Head of the Bay Well #5	4/19/2011	1049784	COBI-PW
Head of the Bay Well #5	5/17/2011	1236036	COBI-PW
Head of the Bay Well #5	6/15/2011	1409340	COBI-PW
Head of the Bay Well #5	7/20/2011	1716108	COBI-PW
Head of the Bay Well #5	8/18/2011	1683240	COBI-PW
Head of the Bay Well #5	9/14/2011	1456152	COBI-PW
Head of the Bay Well #5	10/20/2011	660348	COBI-PW
Head of the Bay Well #5	11/16/2011	173304	COBI-PW
Head of the Bay Well #5	12/16/2011	134460	COBI-PW
Head of the Bay Well #5	1/12/2012	0	COBI-PW
Head of the Bay Well #5	2/15/2012	251988	COBI-PW
Head of the Bay Well #5	3/19/2012	1442208	COBI-PW
Head of the Bay Well #5	4/17/2012	1522884	COBI-PW
Head of the Bay Well #5	5/10/2012	1003968	COBI-PW
Head of the Bay Well #5	6/19/2012	2650356	COBI-PW
Head of the Bay Well #5	7/18/2012	1740012	COBI-PW
Head of the Bay Well #5	8/20/2012	2273868	COBI-PW
Head of the Bay Well #5	9/18/2012	2233032	COBI-PW
Head of the Bay Well #5	10/16/2012	1810728	COBI-PW
Head of the Bay Well #5	11/14/2012	1340616	COBI-PW
Head of the Bay Well #5	12/20/2012	1278864	COBI-PW
Head of the Bay Well #5	1/17/2013	1324680	COBI-PW
Head of the Bay Well #5	2/12/2013	520908	COBI-PW
Head of the Bay Well #5	3/19/2013	0	COBI-PW
Head of the Bay Well #5	4/15/2013	41832	COBI-PW
Head of the Bay Well #5	5/15/2013	1758936	COBI-PW
Head of the Bay Well #5	6/19/2013	1850568	COBI-PW
Head of the Bay Well #5	7/19/2013	0	COBI-PW
Head of the Bay Well #5	8/16/2013	0	COBI-PW
Head of the Bay Well #5	9/19/2013	9960	COBI-PW
Head of the Bay Well #5	10/25/2013	930264	COBI-PW
Head of the Bay Well #5	11/21/2013	1239024	COBI-PW
Head of the Bay Well #5	12/12/2013	644412	COBI-PW
Head of the Bay Well #5	1/21/2014	477084	COBI-PW
Head of the Bay Well #5	2/21/2014	284856	COBI-PW
Head of the Bay Well #5	3/20/2014	534852	COBI-PW
Head of the Bay Well #5	4/22/2014	1248984	COBI-PW
Head of the Bay Well #5	5/19/2014	426288	COBI-PW
Head of the Bay Well #5	6/17/2014	13944	COBI-PW
Head of the Bay Well #5	7/16/2014	3984	COBI-PW

Production Well	Measurement Date	Production Voulme	Technician
Head of the Bay Well #5	8/26/2014	8964	COBI-PW
Head of the Bay Well #5	9/18/2014	0	COBI-PW
Head of the Bay Well #5	10/15/2014	5976	COBI-PW
Head of the Bay Well #5	11/19/2014	15936	COBI-PW
Head of the Bay Well #5	12/22/2014	24900	COBI-PW
Head of the Bay Well #5	1/15/2015	17928	COBI-PW
Head of the Bay Well #5	2/17/2015	18924	COBI-PW
Head of the Bay Well #5	3/16/2015	30876	COBI-PW
Head of the Bay Well #5	4/21/2015	80676	COBI-PW
Head of the Bay Well #5	5/21/2015	9960	COBI-PW
Head of the Bay Well #5	6/23/2015	3984	COBI-PW
Head of the Bay Well #5	7/16/2015	0	COBI-PW
Head of the Bay Well #5	8/17/2015	0	COBI-PW
Head of the Bay Well #5	9/21/2015	0	COBI-PW
Head of the Bay Well #5	10/14/2015	0	COBI-PW
Head of the Bay Well #5	11/20/2015	0	COBI-PW
Head of the Bay Well #5	12/21/2015	0	COBI-PW
Head of the Bay Well #5	1/26/2016	2988	COBI-PW
Head of the Bay Well #5	2/24/2016	9960	COBI-PW
Head of the Bay Well #5	3/21/2016	6972	COBI-PW
Head of the Bay Well #5	4/25/2016	3984	COBI-PW
Head of the Bay Well #5	5/18/2016	88644	COBI-PW
Head of the Bay Well #5	6/22/2016	28884	COBI-PW
Head of the Bay Well #5	7/20/2016	10956	COBI-PW
Head of the Bay Well #5	8/15/2016	17928	COBI-PW
Head of the Bay Well #5	10/3/2016	63744	COBI-PW
Head of the Bay Well #5	10/26/2016	87648	COBI-PW
Head of the Bay Well #5	11/30/2016	152388	COBI-PW
Head of the Bay Well #5	12/29/2016	118524	COBI-PW
Head of the Bay Well #5	1/24/2017	202188	COBI-PW
Head of the Bay Well #5	2/23/2017	1291812	COBI-PW
Head of the Bay Well #5	3/23/2017	1319700	COBI-PW
Head of the Bay Well #5	4/19/2017	986040	COBI-PW
Head of the Bay Well #5	5/22/2017	1566708	COBI-PW
Head of the Bay Well #5	6/23/2017	1553760	COBI-PW
Head of the Bay Well #5	7/18/2017	1636428	COBI-PW
Head of the Bay Well #5	8/15/2017	1620492	COBI-PW
Head of the Bay Well #5	9/20/2017	2860512	COBI-PW
Head of the Bay Well #5	10/18/2017	1211136	COBI-PW
Head of the Bay Well #5	11/22/2017	705168	COBI-PW
Head of the Bay Well #5	12/14/2017	614532	COBI-PW
Head of the Bay Well #5	1/22/2018	1156356	COBI-PW
Head of the Bay Well #5	2/13/2018	1073688	COBI-PW
Head of the Bay Well #5	3/19/2018	1909332	COBI-PW
Head of the Bay Well #5	4/18/2018	1296792	COBI-PW
Head of the Bay Well #5	5/17/2018	906360	COBI-PW
Head of the Bay Well #5	6/14/2018	1138428	COBI-PW
Head of the Bay Well #5	7/19/2018	1692204	COBI-PW
Head of the Bay Well #5	8/16/2018	1612524	COBI-PW
Head of the Bay Well #5	9/15/2018	0	COBI-PW
Head of the Bay Well #5	10/17/2018	1977060	COBI-PW

Production Well	Measurement Date	Production Voulme	Technician
Head of the Bay Well #5	11/14/2018	936240	COBI-PW
Head of the Bay Well #5	12/17/2018	937236	COBI-PW
Head of the Bay Well #5	1/16/2019	796000	COBI-PW
Head of the Bay Well #5	2/21/2019	570000	COBI-PW
Head of the Bay Well #5	3/18/2019	361000	COBI-PW
Head of the Bay Well #5	4/16/2019	546000	COBI-PW
Head of the Bay Well #5	5/16/2019	481000	COBI-PW
Head of the Bay Well #5	6/18/2019	996000	COBI-PW
Head of the Bay Well #5	7/17/2019	934000	COBI-PW
Head of the Bay Well #5	8/16/2019	940000	COBI-PW
Head of the Bay Well #5	9/20/2019	986000	COBI-PW
Head of the Bay Well #5	10/16/2019	514000	COBI-PW
Head of the Bay Well #5	11/18/2019	537000	COBI-PW
Head of the Bay Well #5	12/16/2019	452000	COBI-PW
Head of the Bay Well #5	1/16/2020	323000	COBI-PW
Head of the Bay Well #5	2/19/2020	488000	COBI-PW
Head of the Bay Well #5	3/17/2020	509000	COBI-PW
Head of the Bay Well #5	4/20/2020	241000	COBI-PW
Head of the Bay Well #5	5/19/2020	213000	COBI-PW
Head of the Bay Well #5	6/17/2020	312000	COBI-PW
Head of the Bay Well #5	7/16/2020	905000	COBI-PW
Head of the Bay Well #5	8/18/2020	1266000	COBI-PW
Head of the Bay Well #5	9/17/2020	1162000	COBI-PW
Head of the Bay Well #5	10/16/2020	622000	COBI-PW
Head of the Bay Well #5	11/19/2020	683000	COBI-PW
Head of the Bay Well #5	12/17/2020	292000	COBI-PW
Head of the Bay Well #5	1/20/2021	430000	COBI-PW
Head of the Bay Well #5	2/23/2021	409000	COBI-PW
Head of the Bay Well #5	3/18/2021	326000	COBI-PW
Head of the Bay Well #5	5/19/2021	1307000	COBI-PW
Head of the Bay Well #5	6/17/2021	753000	COBI-PW
Head of the Bay Well #5	7/15/2021	1167000	COBI-PW
Head of the Bay Well #5	8/18/2021	1357000	COBI-PW
Head of the Bay Well #5	9/14/2021	935000	COBI-PW
Head of the Bay Well #5	10/18/2021	611000	COBI-PW
Head of the Bay Well #5	11/16/2021	19000	COBI-PW
Head of the Bay Well #5	12/20/2021	22000	COBI-PW
Head of the Bay Well #6	12/15/2001	1161300	not specified
Head of the Bay Well #6	1/15/2002	1157400	not specified
Head of the Bay Well #6	2/15/2002	751500	not specified
Head of the Bay Well #6	3/15/2002	770800	not specified
Head of the Bay Well #6	4/15/2002	903700	not specified
Head of the Bay Well #6	5/15/2002	497000	not specified
Head of the Bay Well #6	6/15/2002	400100	not specified
Head of the Bay Well #6	7/15/2002	868700	not specified
Head of the Bay Well #6	8/15/2002	1002600	not specified
Head of the Bay Well #6	9/15/2002	1331500	not specified
Head of the Bay Well #6	10/15/2002	747000	not specified
Head of the Bay Well #6	11/15/2002	842000	not specified
Head of the Bay Well #6	12/15/2002	643000	not specified
Head of the Bay Well #6	1/15/2003	1109500	not specified

Production Well	Measurement Date	Production Voulme	Technician
Head of the Bay Well #6	2/15/2003	1013600	not specified
Head of the Bay Well #6	3/15/2003	1290200	not specified
Head of the Bay Well #6	4/15/2003	966300	not specified
Head of the Bay Well #6	5/15/2003	1034000	not specified
Head of the Bay Well #6	6/15/2003	1648608	not specified
Head of the Bay Well #6	7/15/2003	2402688	not specified
Head of the Bay Well #6	8/15/2003	2307312	not specified
Head of the Bay Well #6	9/15/2003	1346880	not specified
Head of the Bay Well #6	10/15/2003	944448	not specified
Head of the Bay Well #6	11/15/2003	761088	not specified
Head of the Bay Well #6	12/15/2003	746544	not specified
Head of the Bay Well #6	1/15/2004	861840	not specified
Head of the Bay Well #6	2/15/2004	745680	not specified
Head of the Bay Well #6	3/15/2004	788256	not specified
Head of the Bay Well #6	4/15/2004	1034928	not specified
Head of the Bay Well #6	5/15/2004	1106448	not specified
Head of the Bay Well #6	6/15/2004	1125312	not specified
Head of the Bay Well #6	7/15/2004	1515936	not specified
Head of the Bay Well #6	8/15/2004	73968	not specified
Head of the Bay Well #6	9/15/2004	3648	not specified
Head of the Bay Well #6	10/15/2004	53232	not specified
Head of the Bay Well #6	11/15/2004	46000	not specified
Head of the Bay Well #6	12/15/2004	54000	not specified
Head of the Bay Well #6	1/15/2005	63000	not specified
Head of the Bay Well #6	2/15/2005	35000	not specified
Head of the Bay Well #6	3/15/2005	87000	not specified
Head of the Bay Well #6	4/15/2005	127000	not specified
Head of the Bay Well #6	5/15/2005	42000	not specified
Head of the Bay Well #6	6/15/2005	57000	not specified
Head of the Bay Well #6	7/15/2005	40000	not specified
Head of the Bay Well #6	8/15/2005	17000	not specified
Head of the Bay Well #6	9/15/2005	7000	not specified
Head of the Bay Well #6	10/15/2005	144000	not specified
Head of the Bay Well #6	11/15/2005	62000	not specified
Head of the Bay Well #6	12/15/2005	70000	not specified
Head of the Bay Well #6	1/15/2006	71000	not specified
Head of the Bay Well #6	2/15/2006	14000	not specified
Head of the Bay Well #6	3/15/2006	0	not specified
Head of the Bay Well #6	4/15/2006	0	COBI-PW
Head of the Bay Well #6	5/15/2006	0	COBI-PW
Head of the Bay Well #6	6/15/2006	9000	COBI-PW
Head of the Bay Well #6	7/15/2006	108000	COBI-PW
Head of the Bay Well #6	8/15/2006	9000	COBI-PW
Head of the Bay Well #6	9/15/2006	24000	COBI-PW
Head of the Bay Well #6	10/15/2006	71000	COBI-PW
Head of the Bay Well #6	11/15/2006	70000	COBI-PW
Head of the Bay Well #6	12/15/2006	53000	COBI-PW
Head of the Bay Well #6	1/15/2007	110000	COBI-PW
Head of the Bay Well #6	2/15/2007	32000	COBI-PW
Head of the Bay Well #6	3/15/2007	140000	COBI-PW
Head of the Bay Well #6	4/15/2007	199000	COBI-PW

Production Well	Measurement Date	Production Voulme	Technician
Head of the Bay Well #6	5/15/2007	159000	COBI-PW
Head of the Bay Well #6	6/15/2007	50000	COBI-PW
Head of the Bay Well #6	7/15/2007	0	COBI-PW
Head of the Bay Well #6	8/15/2007	102000	COBI-PW
Head of the Bay Well #6	9/15/2007	110000	COBI-PW
Head of the Bay Well #6	10/15/2007	98000	COBI-PW
Head of the Bay Well #6	11/15/2007	117000	COBI-PW
Head of the Bay Well #6	12/15/2007	82000	COBI-PW
Head of the Bay Well #6	1/15/2008	9000	COBI-PW
Head of the Bay Well #6	2/15/2008	112000	COBI-PW
Head of the Bay Well #6	3/15/2008	69000	COBI-PW
Head of the Bay Well #6	4/15/2008	101000	COBI-PW
Head of the Bay Well #6	5/15/2008	103000	COBI-PW
Head of the Bay Well #6	6/15/2008	67000	COBI-PW
Head of the Bay Well #6	7/15/2008	604000	COBI-PW
Head of the Bay Well #6	8/15/2008	492000	COBI-PW
Head of the Bay Well #6	9/15/2008	751000	COBI-PW
Head of the Bay Well #6	10/15/2008	556000	COBI-PW
Head of the Bay Well #6	1/15/2009	540828	COBI-PW
Head of the Bay Well #6	2/11/2009	397404	COBI-PW
Head of the Bay Well #6	3/13/2009	790824	COBI-PW
Head of the Bay Well #6	4/15/2009	1008948	COBI-PW
Head of the Bay Well #6	5/14/2009	0	COBI-PW
Head of the Bay Well #6	6/17/2009	2236020	COBI-PW
Head of the Bay Well #6	7/15/2009	1315716	COBI-PW
Head of the Bay Well #6	8/13/2009	419316	COBI-PW
Head of the Bay Well #6	9/15/2009	8964	COBI-PW
Head of the Bay Well #6	10/14/2009	33864	COBI-PW
Head of the Bay Well #6	11/17/2009	65736	COBI-PW
Head of the Bay Well #6	12/16/2009	42828	COBI-PW
Head of the Bay Well #6	1/15/2010	27496	COBI-PW
Head of the Bay Well #6	2/18/2010	48118	COBI-PW
Head of the Bay Well #6	3/16/2010	25532	COBI-PW
Head of the Bay Well #6	4/14/2010	36334	COBI-PW
Head of the Bay Well #6	5/13/2010	16694	COBI-PW
Head of the Bay Well #6	6/23/2010	168904	COBI-PW
Head of the Bay Well #6	7/13/2010	36334	COBI-PW
Head of the Bay Well #6	8/20/2010	1964	COBI-PW
Head of the Bay Well #6	9/15/2010	20622	COBI-PW
Head of the Bay Well #6	10/15/2010	65794	COBI-PW
Head of the Bay Well #6	11/12/2010	92308	COBI-PW
Head of the Bay Well #6	12/15/2010	27496	COBI-PW
Head of the Bay Well #6	1/18/2011	40836	COBI-PW
Head of the Bay Well #6	2/22/2011	51792	COBI-PW
Head of the Bay Well #6	3/15/2011	48804	COBI-PW
Head of the Bay Well #6	4/19/2011	47808	COBI-PW
Head of the Bay Well #6	5/17/2011	46812	COBI-PW
Head of the Bay Well #6	6/15/2011	32868	COBI-PW
Head of the Bay Well #6	7/20/2011	11952	COBI-PW
Head of the Bay Well #6	8/18/2011	996	COBI-PW
Head of the Bay Well #6	9/14/2011	0	COBI-PW

Production Well	Measurement Date	Production Voulme	Technician
Head of the Bay Well #6	10/20/2011	281868	COBI-PW
Head of the Bay Well #6	11/16/2011	149400	COBI-PW
Head of the Bay Well #6	12/16/2011	109560	COBI-PW
Head of the Bay Well #6	1/12/2012	996	COBI-PW
Head of the Bay Well #6	2/15/2012	3984	COBI-PW
Head of the Bay Well #6	3/19/2012	0	COBI-PW
Head of the Bay Well #6	4/17/2012	0	COBI-PW
Head of the Bay Well #6	5/10/2012	17928	COBI-PW
Head of the Bay Well #6	6/19/2012	1992	COBI-PW
Head of the Bay Well #6	7/18/2012	0	COBI-PW
Head of the Bay Well #6	8/20/2012	0	COBI-PW
Head of the Bay Well #6	9/18/2012	0	COBI-PW
Head of the Bay Well #6	10/16/2012	21912	COBI-PW
Head of the Bay Well #6	11/14/2012	0	COBI-PW
Head of the Bay Well #6	12/20/2012	0	COBI-PW
Head of the Bay Well #6	1/17/2013	0	COBI-PW
Head of the Bay Well #6	2/12/2013	8964	COBI-PW
Head of the Bay Well #6	3/19/2013	0	COBI-PW
Head of the Bay Well #6	4/15/2013	996	COBI-PW
Head of the Bay Well #6	5/15/2013	24900	COBI-PW
Head of the Bay Well #6	6/19/2013	0	COBI-PW
Head of the Bay Well #6	7/19/2013	0	COBI-PW
Head of the Bay Well #6	8/16/2013	0	COBI-PW
Head of the Bay Well #6	9/19/2013	8964	COBI-PW
Head of the Bay Well #6	10/25/2013	25896	COBI-PW
Head of the Bay Well #6	11/21/2013	18924	COBI-PW
Head of the Bay Well #6	12/12/2013	41832	COBI-PW
Head of the Bay Well #6	1/21/2014	191573	COBI-PW
Head of the Bay Well #6	2/21/2014	166498	COBI-PW
Head of the Bay Well #6	3/20/2014	111333	COBI-PW
Head of the Bay Well #6	4/22/2014	46138	COBI-PW
Head of the Bay Well #6	5/19/2014	75225	COBI-PW
Head of the Bay Well #6	6/17/2014	9027	COBI-PW
Head of the Bay Well #6	7/16/2014	2006	COBI-PW
Head of the Bay Well #6	8/26/2014	6018	COBI-PW
Head of the Bay Well #6	9/18/2014	0	COBI-PW
Head of the Bay Well #6	10/15/2014	5015	COBI-PW
Head of the Bay Well #6	11/19/2014	12036	COBI-PW
Head of the Bay Well #6	12/22/2014	17051	COBI-PW
Head of the Bay Well #6	1/15/2015	12036	COBI-PW
Head of the Bay Well #6	2/17/2015	12036	COBI-PW
Head of the Bay Well #6	3/16/2015	20060	COBI-PW
Head of the Bay Well #6	4/21/2015	49147	COBI-PW
Head of the Bay Well #6	5/21/2015	6018	COBI-PW
Head of the Bay Well #6	6/23/2015	2006	COBI-PW
Head of the Bay Well #6	7/16/2015	0	COBI-PW
Head of the Bay Well #6	8/17/2015	0	COBI-PW
Head of the Bay Well #6	9/21/2015	13039	COBI-PW
Head of the Bay Well #6	10/14/2015	0	COBI-PW
Head of the Bay Well #6	11/20/2015	0	COBI-PW
Head of the Bay Well #6	12/21/2015	0	COBI-PW

Production Well	Measurement Date	Production Voulme	Technician
Head of the Bay Well #6	1/26/2016	0	COBI-PW
Head of the Bay Well #6	2/24/2016	0	COBI-PW
Head of the Bay Well #6	3/21/2016	2006	COBI-PW
Head of the Bay Well #6	4/25/2016	42126	COBI-PW
Head of the Bay Well #6	5/18/2016	71213	COBI-PW
Head of the Bay Well #6	6/22/2016	21063	COBI-PW
Head of the Bay Well #6	7/20/2016	18054	COBI-PW
Head of the Bay Well #6	8/15/2016	0	COBI-PW
Head of the Bay Well #6	10/3/2016	29087	COBI-PW
Head of the Bay Well #6	10/26/2016	64192	COBI-PW
Head of the Bay Well #6	11/30/2016	118354	COBI-PW
Head of the Bay Well #6	12/29/2016	85255	COBI-PW
Head of the Bay Well #6	1/24/2017	104312	COBI-PW
Head of the Bay Well #6	2/23/2017	1003	COBI-PW
Head of the Bay Well #6	3/23/2017	0	COBI-PW
Head of the Bay Well #6	4/19/2017	1003	COBI-PW
Head of the Bay Well #6	5/22/2017	0	COBI-PW
Head of the Bay Well #6	6/23/2017	0	COBI-PW
Head of the Bay Well #6	7/18/2017	0	COBI-PW
Head of the Bay Well #6	8/15/2017	660977	COBI-PW
Head of the Bay Well #6	9/20/2017	0	COBI-PW
Head of the Bay Well #6	10/18/2017	0	COBI-PW
Head of the Bay Well #6	11/22/2017	0	COBI-PW
Head of the Bay Well #6	12/14/2017	0	COBI-PW
Head of the Bay Well #6	1/22/2018	0	COBI-PW
Head of the Bay Well #6	2/13/2018	0	COBI-PW
Head of the Bay Well #6	3/19/2018	0	COBI-PW
Head of the Bay Well #6	4/18/2018	2006	COBI-PW
Head of the Bay Well #6	5/17/2018	9027	COBI-PW
Head of the Bay Well #6	6/14/2018	1003	COBI-PW
Head of the Bay Well #6	7/19/2018	11033	COBI-PW
Head of the Bay Well #6	8/16/2018	0	COBI-PW
Head of the Bay Well #6	9/15/2018	0	COBI-PW
Head of the Bay Well #6	10/17/2018	9027	COBI-PW
Head of the Bay Well #6	11/14/2018	20060	COBI-PW
Head of the Bay Well #6	12/17/2018	0	COBI-PW
Head of the Bay Well #6	1/16/2019	0	COBI-PW
Head of the Bay Well #6	2/21/2019	79000	COBI-PW
Head of the Bay Well #6	3/18/2019	118000	COBI-PW
Head of the Bay Well #6	4/16/2019	26000	COBI-PW
Head of the Bay Well #6	5/16/2019	37000	COBI-PW
Head of the Bay Well #6	6/18/2019	5000	COBI-PW
Head of the Bay Well #6	7/17/2019	1000	COBI-PW
Head of the Bay Well #6	8/16/2019	0	COBI-PW
Head of the Bay Well #6	9/20/2019	10000	COBI-PW
Head of the Bay Well #6	10/16/2019	1000	COBI-PW
Head of the Bay Well #6	11/18/2019	27000	COBI-PW
Head of the Bay Well #6	12/16/2019	23000	COBI-PW
Head of the Bay Well #6	1/16/2020	100000	COBI-PW
Head of the Bay Well #6	2/19/2020	79000	COBI-PW
Head of the Bay Well #6	3/17/2020	20000	COBI-PW

Production Well	Measurement Date	Production Voulme	Technician
Head of the Bay Well #6	4/20/2020	133000	COBI-PW
Head of the Bay Well #6	5/19/2020	106000	COBI-PW
Head of the Bay Well #6	6/17/2020	68000	COBI-PW
Head of the Bay Well #6	7/16/2020	4000	COBI-PW
Head of the Bay Well #6	8/18/2020	0	COBI-PW
Head of the Bay Well #6	9/17/2020	0	COBI-PW
Head of the Bay Well #6	10/16/2020	2000	COBI-PW
Head of the Bay Well #6	11/19/2020	0	COBI-PW
Head of the Bay Well #6	12/17/2020	6000	COBI-PW
Head of the Bay Well #6	1/20/2021	67000	COBI-PW
Head of the Bay Well #6	2/23/2021	75000	COBI-PW
Head of the Bay Well #6	3/18/2021	53000	COBI-PW
Head of the Bay Well #6	5/19/2021	34000	COBI-PW
Head of the Bay Well #6	6/17/2021	1000	COBI-PW
Head of the Bay Well #6	7/15/2021	0	COBI-PW
Head of the Bay Well #6	8/18/2021	0	COBI-PW
Head of the Bay Well #6	9/14/2021	0	COBI-PW
Head of the Bay Well #6	10/18/2021	9000	COBI-PW
Head of the Bay Well #6	11/16/2021	29000	COBI-PW
Head of the Bay Well #6	12/20/2021	49000	COBI-PW
Hidden Cove Utilities Shop	1/15/2001	4710	not specified
Hidden Cove Utilities Shop	2/15/2001	4312	not specified
Hidden Cove Utilities Shop	3/15/2001	6000	not specified
Hidden Cove Utilities Shop	4/15/2001	4657	not specified
Hidden Cove Utilities Shop	5/15/2001	16065	not specified
Hidden Cove Utilities Shop	6/15/2001	5610	not specified
Hidden Cove Utilities Shop	7/15/2001	5700	not specified
Hidden Cove Utilities Shop	8/15/2001	7147	not specified
Hidden Cove Utilities Shop	9/15/2001	8019	not specified
Hidden Cove Utilities Shop	10/15/2001	5595	not specified
Hidden Cove Utilities Shop	11/15/2001	5101	not specified
Hidden Cove Utilities Shop	12/15/2001	4780	not specified
Hidden Cove Utilities Shop	1/15/2002	6089	not specified
Hidden Cove Utilities Shop	2/15/2002	5139	not specified
Hidden Cove Utilities Shop	3/15/2002	4473	not specified
Hidden Cove Utilities Shop	4/15/2002	9260	not specified
Hidden Cove Utilities Shop	5/15/2002	4114	not specified
Hidden Cove Utilities Shop	6/15/2002	5490	not specified
Hidden Cove Utilities Shop	7/15/2002	6395	not specified
Hidden Cove Utilities Shop	8/15/2002	5423	not specified
Hidden Cove Utilities Shop	9/15/2002	7555	not specified
Hidden Cove Utilities Shop	10/15/2002	5146	not specified
Hidden Cove Utilities Shop	11/15/2002	6941	not specified
Hidden Cove Utilities Shop	12/15/2002	5849	not specified
Hidden Cove Utilities Shop	1/15/2003	5139	not specified
Hidden Cove Utilities Shop	2/15/2003	4832	not specified
Hidden Cove Utilities Shop	3/15/2003	6485	not specified
Hidden Cove Utilities Shop	4/15/2003	6380	not specified
Hidden Cove Utilities Shop	5/15/2003	7749	not specified
Hidden Cove Utilities Shop	6/15/2003	6373	not specified
Hidden Cove Utilities Shop	7/15/2003	7376	not specified

Production Well	Measurement Date	Production Voulme	Technician
Hidden Cove Utilities Shop	8/15/2003	7376	not specified
Hidden Cove Utilities Shop	9/15/2003	7376	not specified
Hidden Cove Utilities Shop	10/15/2003	7376	not specified
Hidden Cove Utilities Shop	11/15/2003	7376	not specified
Hidden Cove Utilities Shop	12/15/2003	7376	not specified
Hidden Cove Utilities Shop	1/15/2004	7376	not specified
Hidden Cove Utilities Shop	2/15/2004	7376	not specified
Hidden Cove Utilities Shop	3/15/2004	7376	not specified
Hidden Cove Utilities Shop	4/15/2004	7376	not specified
Hidden Cove Utilities Shop	5/15/2004	7376	not specified
Hidden Cove Utilities Shop	6/15/2004	7376	not specified
Hidden Cove Utilities Shop	7/15/2004	7376	not specified
Hidden Cove Utilities Shop	8/15/2004	7376	not specified
Hidden Cove Utilities Shop	9/15/2004	7376	not specified
Hidden Cove Utilities Shop	10/15/2004	7376	not specified
Hidden Cove Utilities Shop	11/15/2004	30159	not specified
Hidden Cove Utilities Shop	12/17/2004	34000	COBI-PW
Hidden Cove Utilities Shop	1/13/2005	30000	COBI-PW
Hidden Cove Utilities Shop	2/15/2005	24000	COBI-PW
Hidden Cove Utilities Shop	3/17/2005	13000	COBI-PW
Hidden Cove Utilities Shop	4/15/2005	6000	COBI-PW
Hidden Cove Utilities Shop	5/17/2005	8000	COBI-PW
Hidden Cove Utilities Shop	6/16/2005	7000	COBI-PW
Hidden Cove Utilities Shop	7/15/2005	5000	COBI-PW
Hidden Cove Utilities Shop	8/16/2005	6000	COBI-PW
Hidden Cove Utilities Shop	9/13/2005	5000	COBI-PW
Hidden Cove Utilities Shop	10/18/2005	7000	COBI-PW
Hidden Cove Utilities Shop	11/16/2005	6000	COBI-PW
Hidden Cove Utilities Shop	12/15/2005	7000	COBI-PW
Hidden Cove Utilities Shop	1/12/2006	4000	COBI-PW
Hidden Cove Utilities Shop	2/15/2006	6000	COBI-PW
Hidden Cove Utilities Shop	3/16/2006	6000	COBI-PW
Hidden Cove Utilities Shop	4/17/2006	7000	COBI-PW
Hidden Cove Utilities Shop	5/16/2006	7000	COBI-PW
Hidden Cove Utilities Shop	6/15/2006	7000	COBI-PW
Hidden Cove Utilities Shop	7/13/2006	7000	COBI-PW
Hidden Cove Utilities Shop	8/17/2006	8000	COBI-PW
Hidden Cove Utilities Shop	9/14/2006	6000	COBI-PW
Hidden Cove Utilities Shop	10/12/2006	6000	COBI-PW
Hidden Cove Utilities Shop	11/14/2006	6000	COBI-PW
Hidden Cove Utilities Shop	12/14/2006	5000	COBI-PW
Hidden Cove Utilities Shop	1/18/2007	6000	COBI-PW
Hidden Cove Utilities Shop	2/14/2007	7000	COBI-PW
Hidden Cove Utilities Shop	3/12/2007	7000	COBI-PW
Hidden Cove Utilities Shop	4/17/2007	8000	COBI-PW
Hidden Cove Utilities Shop	5/16/2007	6000	COBI-PW
Hidden Cove Utilities Shop	6/14/2007	6000	COBI-PW
Hidden Cove Utilities Shop	7/17/2007	0	COBI-PW
Hidden Cove Utilities Shop	8/14/2007	13000	COBI-PW
Hidden Cove Utilities Shop	9/18/2007	7000	COBI-PW
Hidden Cove Utilities Shop	10/17/2007	6000	COBI-PW

Production Well	Measurement Date	Production Voulme	Technician
Hidden Cove Utilities Shop	11/19/2007	9000	COBI-PW
Hidden Cove Utilities Shop	12/18/2007	7337.88	COBI-PW
Hidden Cove Utilities Shop	1/16/2008	8564.6	COBI-PW
Hidden Cove Utilities Shop	2/14/2008	6171	COBI-PW
Hidden Cove Utilities Shop	3/12/2008	7390.24	COBI-PW
Hidden Cove Utilities Shop	4/15/2008	9148.04	COBI-PW
Hidden Cove Utilities Shop	5/19/2008	9454.72	COBI-PW
Hidden Cove Utilities Shop	6/17/2008	8961.04	COBI-PW
Hidden Cove Utilities Shop	7/18/2008	9626.76	COBI-PW
Hidden Cove Utilities Shop	8/14/2008	8542.16	COBI-PW
Hidden Cove Utilities Shop	9/16/2008	11130.24	COBI-PW
Hidden Cove Utilities Shop	1/15/2009	11249.92	COBI-PW
Hidden Cove Utilities Shop	2/11/2009	8385.08	COBI-PW
Hidden Cove Utilities Shop	3/13/2009	9327.56	COBI-PW
Hidden Cove Utilities Shop	4/15/2009	10838.52	COBI-PW
Hidden Cove Utilities Shop	5/14/2009	0	COBI-PW
Hidden Cove Utilities Shop	6/17/2009	21931.36	COBI-PW
Hidden Cove Utilities Shop	7/15/2009	9918.48	COBI-PW
Hidden Cove Utilities Shop	8/13/2009	11803.44	COBI-PW
Hidden Cove Utilities Shop	9/15/2009	6440.28	COBI-PW
Hidden Cove Utilities Shop	10/14/2009	3500.64	COBI-PW
Hidden Cove Utilities Shop	11/17/2009	3321.12	COBI-PW
Hidden Cove Utilities Shop	12/16/2009	4091.56	COBI-PW
Hidden Cove Utilities Shop	1/15/2010	4345.88	COBI-PW
Hidden Cove Utilities Shop	2/18/2010	6425.32	COBI-PW
Hidden Cove Utilities Shop	3/16/2010	3478.2	COBI-PW
Hidden Cove Utilities Shop	4/14/2010	4794.68	COBI-PW
Hidden Cove Utilities Shop	5/13/2010	4809.64	COBI-PW
Hidden Cove Utilities Shop	6/23/2010	6971.36	COBI-PW
Hidden Cove Utilities Shop	7/13/2010	2707.76	COBI-PW
Hidden Cove Utilities Shop	8/20/2010	4869.48	COBI-PW
Hidden Cove Utilities Shop	9/15/2010	4143.92	COBI-PW
Hidden Cove Utilities Shop	10/15/2010	3889.6	COBI-PW
Hidden Cove Utilities Shop	11/12/2010	4315.96	COBI-PW
Hidden Cove Utilities Shop	12/15/2010	5280.88	COBI-PW
Hidden Cove Utilities Shop	1/18/2011	4981.68	COBI-PW
Hidden Cove Utilities Shop	2/22/2011	4675	COBI-PW
Hidden Cove Utilities Shop	3/15/2011	5273.4	COBI-PW
Hidden Cove Utilities Shop	4/19/2011	2565.64	COBI-PW
Hidden Cove Utilities Shop	5/17/2011	4233.68	COBI-PW
Hidden Cove Utilities Shop	6/15/2011	6006.44	COBI-PW
Hidden Cove Utilities Shop	7/20/2011	9694.08	COBI-PW
Hidden Cove Utilities Shop	8/18/2011	4166.36	COBI-PW
Hidden Cove Utilities Shop	9/14/2011	2924.68	COBI-PW
Hidden Cove Utilities Shop	10/20/2011	5542.68	COBI-PW
Hidden Cove Utilities Shop	11/16/2011	3253.8	COBI-PW
Hidden Cove Utilities Shop	12/16/2011	3193.96	COBI-PW
Hidden Cove Utilities Shop	1/12/2012	2625.48	COBI-PW
Hidden Cove Utilities Shop	2/15/2012	3777.4	COBI-PW
Hidden Cove Utilities Shop	3/19/2012	5198.6	COBI-PW
Hidden Cove Utilities Shop	4/17/2012	8856.32	COBI-PW

Production Well	Measurement Date	Production Voulme	Technician
Hidden Cove Utilities Shop	5/10/2012	16433.56	COBI-PW
Hidden Cove Utilities Shop	6/19/2012	19612.56	COBI-PW
Hidden Cove Utilities Shop	7/18/2012	1473.56	COBI-PW
Hidden Cove Utilities Shop	8/20/2012	3276.24	COBI-PW
Hidden Cove Utilities Shop	9/18/2012	3141.6	COBI-PW
Hidden Cove Utilities Shop	10/16/2012	3141.6	COBI-PW
Hidden Cove Utilities Shop	11/14/2012	4248.64	COBI-PW
Hidden Cove Utilities Shop	12/20/2012	3380.96	COBI-PW
Hidden Cove Utilities Shop	1/17/2013	2543.2	COBI-PW
Hidden Cove Utilities Shop	2/12/2013	2715.24	COBI-PW
Hidden Cove Utilities Shop	3/19/2013	3134.12	COBI-PW
Hidden Cove Utilities Shop	4/15/2013	4921.84	COBI-PW
Hidden Cove Utilities Shop	5/15/2013	3014.44	COBI-PW
Hidden Cove Utilities Shop	6/19/2013	3336.08	COBI-PW
Hidden Cove Utilities Shop	7/19/2013	4832.08	COBI-PW
Hidden Cove Utilities Shop	8/16/2013	4734.84	COBI-PW
Hidden Cove Utilities Shop	9/19/2013	8923.64	COBI-PW
Hidden Cove Utilities Shop	10/25/2013	4570.28	COBI-PW
Hidden Cove Utilities Shop	11/21/2013	2849.88	COBI-PW
Hidden Cove Utilities Shop	12/12/2013	3029.4	COBI-PW
Hidden Cove Utilities Shop	1/21/2014	3784.88	COBI-PW
Hidden Cove Utilities Shop	2/21/2014	5677.32	COBI-PW
Hidden Cove Utilities Shop	3/20/2014	5400.56	COBI-PW
Hidden Cove Utilities Shop	4/22/2014	4959.24	COBI-PW
Hidden Cove Utilities Shop	5/19/2014	4502.96	COBI-PW
Hidden Cove Utilities Shop	6/17/2014	4906.88	COBI-PW
Hidden Cove Utilities Shop	7/16/2014	6769.4	COBI-PW
Hidden Cove Utilities Shop	8/26/2014	5924.16	COBI-PW
Hidden Cove Utilities Shop	9/18/2014	2610.52	COBI-PW
Hidden Cove Utilities Shop	10/15/2014	4667.52	COBI-PW
Hidden Cove Utilities Shop	11/19/2014	6851.68	COBI-PW
Hidden Cove Utilities Shop	12/22/2014	5348.2	COBI-PW
Hidden Cove Utilities Shop	1/15/2015	8871.28	COBI-PW
Hidden Cove Utilities Shop	2/17/2015	8684.28	COBI-PW
Hidden Cove Utilities Shop	3/16/2015	7509.92	COBI-PW
Hidden Cove Utilities Shop	4/21/2015	5041.52	COBI-PW
Hidden Cove Utilities Shop	5/21/2015	7061.12	COBI-PW
Hidden Cove Utilities Shop	6/23/2015	10464.52	COBI-PW
Hidden Cove Utilities Shop	7/16/2015	4420.68	COBI-PW
Hidden Cove Utilities Shop	8/17/2015	9911	COBI-PW
Hidden Cove Utilities Shop	9/21/2015	11766.04	COBI-PW
Hidden Cove Utilities Shop	10/14/2015	8070.92	COBI-PW
Hidden Cove Utilities Shop	11/20/2015	8699.24	COBI-PW
Hidden Cove Utilities Shop	12/21/2015	12416.8	COBI-PW
Hidden Cove Utilities Shop	1/26/2016	2790.04	COBI-PW
Hidden Cove Utilities Shop	2/24/2016	2790.04	COBI-PW
Hidden Cove Utilities Shop	3/21/2016	6732	COBI-PW
Hidden Cove Utilities Shop	4/25/2016	8504.76	COBI-PW
Hidden Cove Utilities Shop	5/18/2016	3530.56	COBI-PW
Hidden Cove Utilities Shop	6/22/2016	5049	COBI-PW
Hidden Cove Utilities Shop	7/20/2016	2124.32	COBI-PW

Production Well	Measurement Date	Production Voulme	Technician
Hidden Cove Utilities Shop	8/15/2016	5654.88	COBI-PW
Hidden Cove Utilities Shop	10/3/2016	8878.76	COBI-PW
Hidden Cove Utilities Shop	10/26/2016	8639.4	COBI-PW
Hidden Cove Utilities Shop	11/30/2016	13793.12	COBI-PW
Hidden Cove Utilities Shop	12/29/2016	10644.04	COBI-PW
Hidden Cove Utilities Shop	1/24/2017	7352.84	COBI-PW
Hidden Cove Utilities Shop	2/23/2017	9649.2	COBI-PW
Hidden Cove Utilities Shop	3/23/2017	8938.6	COBI-PW
Hidden Cove Utilities Shop	4/19/2017	8422.48	COBI-PW
Hidden Cove Utilities Shop	5/22/2017	10307.44	COBI-PW
Hidden Cove Utilities Shop	6/23/2017	10494.44	COBI-PW
Hidden Cove Utilities Shop	7/18/2017	4024.24	COBI-PW
Hidden Cove Utilities Shop	8/15/2017	15872.56	COBI-PW
Hidden Cove Utilities Shop	9/20/2017	14645.84	COBI-PW
Hidden Cove Utilities Shop	10/18/2017	10150.36	COBI-PW
Hidden Cove Utilities Shop	11/22/2017	12558.92	COBI-PW
Hidden Cove Utilities Shop	12/14/2017	7689.44	COBI-PW
Hidden Cove Utilities Shop	1/22/2018	13710.84	COBI-PW
Hidden Cove Utilities Shop	2/13/2018	8444.92	COBI-PW
Hidden Cove Utilities Shop	3/19/2018	12327.04	COBI-PW
Hidden Cove Utilities Shop	4/18/2018	11070.4	COBI-PW
Hidden Cove Utilities Shop	5/17/2018	4031.72	COBI-PW
Hidden Cove Utilities Shop	6/14/2018	6739.48	COBI-PW
Hidden Cove Utilities Shop	7/19/2018	14586	COBI-PW
Hidden Cove Utilities Shop	8/16/2018	4839.56	COBI-PW
Hidden Cove Utilities Shop	9/15/2018	0	COBI-PW
Hidden Cove Utilities Shop	10/17/2018	6163.52	COBI-PW
Hidden Cove Utilities Shop	11/14/2018	3313.64	COBI-PW
Hidden Cove Utilities Shop	12/17/2018	5879.28	COBI-PW
Hidden Cove Utilities Shop	1/16/2019	1810.16	COBI-PW
Hidden Cove Utilities Shop	2/21/2019	17637.84	COBI-PW
Hidden Cove Utilities Shop	3/18/2019	32687.6	COBI-PW
Hidden Cove Utilities Shop	4/16/2019	7031.2	COBI-PW
Hidden Cove Utilities Shop	5/16/2019	4749.8	COBI-PW
Hidden Cove Utilities Shop	6/18/2019	40870.72	COBI-PW
Hidden Cove Utilities Shop	7/17/2019	22372.68	COBI-PW
Hidden Cove Utilities Shop	8/16/2019	5041.52	COBI-PW
Hidden Cove Utilities Shop	9/20/2019	7547.32	COBI-PW
Hidden Cove Utilities Shop	10/16/2019	28483.84	COBI-PW
Hidden Cove Utilities Shop	11/18/2019	4308.48	COBI-PW
Hidden Cove Utilities Shop	12/16/2019	5550.16	COBI-PW
Hidden Cove Utilities Shop	1/16/2020	4420.68	COBI-PW
Hidden Cove Utilities Shop	2/19/2020	5587.56	COBI-PW
Hidden Cove Utilities Shop	3/17/2020	4099.04	COBI-PW
Hidden Cove Utilities Shop	4/20/2020	4607.68	COBI-PW
Hidden Cove Utilities Shop	5/19/2020	7397.72	COBI-PW
Hidden Cove Utilities Shop	6/17/2020	3740	COBI-PW
Hidden Cove Utilities Shop	7/16/2020	3740	COBI-PW
Hidden Cove Utilities Shop	8/18/2020	4488	COBI-PW
Hidden Cove Utilities Shop	9/17/2020	3740	COBI-PW
Hidden Cove Utilities Shop	10/16/2020	5093.88	COBI-PW

Production Well	Measurement Date	Production Voulme	Technician
Hidden Cove Utilities Shop	11/19/2020	5423	COBI-PW
Hidden Cove Utilities Shop	12/17/2020	4540.36	COBI-PW
Hidden Cove Utilities Shop	1/20/2021	2894.76	COBI-PW
Hidden Cove Utilities Shop	2/23/2021	6021.4	COBI-PW
Hidden Cove Utilities Shop	3/18/2021	2909.72	COBI-PW
Hidden Cove Utilities Shop	5/19/2021	9177.96	COBI-PW
Hidden Cove Utilities Shop	6/17/2021	3814.8	COBI-PW
Hidden Cove Utilities Shop	7/15/2021	4450.6	COBI-PW
Hidden Cove Utilities Shop	8/18/2021	5752.12	COBI-PW
Hidden Cove Utilities Shop	9/14/2021	25446.96	COBI-PW
Hidden Cove Utilities Shop	10/18/2021	5400.56	COBI-PW
Hidden Cove Utilities Shop	11/16/2021	4271.08	COBI-PW
Hidden Cove Utilities Shop	12/20/2021	5393.08	COBI-PW
High School Well #2/Commodore	12/31/1996	1025599	not specified
High School Well #2/Commodore	12/31/1997	1246534	not specified
High School Well #2/Commodore	12/31/1998	1163171	not specified
High School Well #2/Commodore	12/31/1999	902110	not specified
High School Well #2/Commodore	12/31/2000	792990	not specified
High School Well #2/Commodore	1/15/2001	1962490	not specified
High School Well #2/Commodore	2/15/2001	67370	not specified
High School Well #2/Commodore	3/15/2001	77190	not specified
High School Well #2/Commodore	4/15/2001	101170	not specified
High School Well #2/Commodore	5/15/2001	101150	not specified
High School Well #2/Commodore	6/15/2001	912700	not specified
High School Well #2/Commodore	7/15/2001	1194600	not specified
High School Well #2/Commodore	8/15/2001	1057900	not specified
High School Well #2/Commodore	9/15/2001	342000	not specified
High School Well #2/Commodore	10/15/2001	791600	not specified
High School Well #2/Commodore	11/15/2001	945600	not specified
High School Well #2/Commodore	12/15/2001	802400	not specified
High School Well #2/Commodore	1/15/2002	995900	not specified
High School Well #2/Commodore	2/15/2002	721300	not specified
High School Well #2/Commodore	3/15/2002	1057100	not specified
High School Well #2/Commodore	4/15/2002	470200	not specified
High School Well #2/Commodore	5/15/2002	333400	not specified
High School Well #2/Commodore	6/15/2002	513500	not specified
High School Well #2/Commodore	7/15/2002	1342700	not specified
High School Well #2/Commodore	8/15/2002	1828700	not specified
High School Well #2/Commodore	9/15/2002	1433000	not specified
High School Well #2/Commodore	10/15/2002	887800	not specified
High School Well #2/Commodore	11/15/2002	148900	not specified
High School Well #2/Commodore	12/15/2002	95300	not specified
High School Well #2/Commodore	1/15/2003	196100	not specified
High School Well #2/Commodore	2/15/2003	146700	not specified
High School Well #2/Commodore	3/15/2003	641600	not specified
High School Well #2/Commodore	4/15/2003	902800	not specified
High School Well #2/Commodore	5/15/2003	842600	not specified
High School Well #2/Commodore	6/15/2003	929900	not specified
High School Well #2/Commodore	7/15/2003	2057000	not specified
High School Well #2/Commodore	8/15/2003	1947000	not specified
High School Well #2/Commodore	9/15/2003	1354000	not specified

Production Well	Measurement Date	Production Voulme	Technician
High School Well #2/Commodore	10/15/2003	298000	not specified
High School Well #2/Commodore	11/15/2003	29000	not specified
High School Well #2/Commodore	12/15/2003	103000	not specified
High School Well #2/Commodore	1/15/2004	89000	not specified
High School Well #2/Commodore	2/15/2004	317000	not specified
High School Well #2/Commodore	3/15/2004	96000	not specified
High School Well #2/Commodore	4/15/2004	260000	not specified
High School Well #2/Commodore	5/15/2004	824000	not specified
High School Well #2/Commodore	6/15/2004	722000	not specified
High School Well #2/Commodore	7/15/2004	1582000	not specified
High School Well #2/Commodore	8/15/2004	1515000	not specified
High School Well #2/Commodore	9/15/2004	1039000	not specified
High School Well #2/Commodore	10/15/2004	896000	not specified
High School Well #2/Commodore	11/15/2004	1156000	not specified
High School Well #2/Commodore	12/17/2004	853000	COBI-PW
High School Well #2/Commodore	1/13/2005	131000	COBI-PW
High School Well #2/Commodore	2/15/2005	777000	COBI-PW
High School Well #2/Commodore	3/17/2005	1217000	COBI-PW
High School Well #2/Commodore	4/15/2005	827000	COBI-PW
High School Well #2/Commodore	5/17/2005	644000	COBI-PW
High School Well #2/Commodore	6/16/2005	214000	COBI-PW
High School Well #2/Commodore	7/15/2005	97000	COBI-PW
High School Well #2/Commodore	8/16/2005	452000	COBI-PW
High School Well #2/Commodore	9/13/2005	540000	COBI-PW
High School Well #2/Commodore	10/18/2005	533000	COBI-PW
High School Well #2/Commodore	11/16/2005	42000	COBI-PW
High School Well #2/Commodore	12/15/2005	30000	COBI-PW
High School Well #2/Commodore	1/12/2006	52000	COBI-PW
High School Well #2/Commodore	2/15/2006	65000	COBI-PW
High School Well #2/Commodore	3/16/2006	107000	COBI-PW
High School Well #2/Commodore	4/17/2006	52000	COBI-PW
High School Well #2/Commodore	5/16/2006	119000	COBI-PW
High School Well #2/Commodore	6/15/2006	426000	COBI-PW
High School Well #2/Commodore	7/13/2006	217000	COBI-PW
High School Well #2/Commodore	8/17/2006	36000	COBI-PW
High School Well #2/Commodore	9/14/2006	80000	COBI-PW
High School Well #2/Commodore	10/12/2006	35000	COBI-PW
High School Well #2/Commodore	11/14/2006	82000	COBI-PW
High School Well #2/Commodore	12/14/2006	68000	COBI-PW
High School Well #2/Commodore	1/18/2007	65000	COBI-PW
High School Well #2/Commodore	2/14/2007	59000	COBI-PW
High School Well #2/Commodore	3/12/2007	114000	COBI-PW
High School Well #2/Commodore	4/17/2007	38000	COBI-PW
High School Well #2/Commodore	5/16/2007	67000	COBI-PW
High School Well #2/Commodore	6/14/2007	24000	COBI-PW
High School Well #2/Commodore	7/17/2007	43000	COBI-PW
High School Well #2/Commodore	8/14/2007	47000	COBI-PW
High School Well #2/Commodore	9/18/2007	63000	COBI-PW
High School Well #2/Commodore	10/17/2007	52000	COBI-PW
High School Well #2/Commodore	11/19/2007	53000	COBI-PW
High School Well #2/Commodore	12/18/2007	59000	COBI-PW

Production Well	Measurement Date	Production Voulme	Technician
High School Well #2/Commodore	1/16/2008	14000	COBI-PW
High School Well #2/Commodore	2/14/2008	81000	COBI-PW
High School Well #2/Commodore	3/12/2008	27000	COBI-PW
High School Well #2/Commodore	4/15/2008	64000	COBI-PW
High School Well #2/Commodore	5/19/2008	36000	COBI-PW
High School Well #2/Commodore	6/17/2008	47000	COBI-PW
High School Well #2/Commodore	7/18/2008	26000	COBI-PW
High School Well #2/Commodore	8/14/2008	34000	COBI-PW
High School Well #2/Commodore	9/16/2008	52000	COBI-PW
High School Well #2/Commodore	1/15/2009	11712	COBI-PW
High School Well #2/Commodore	2/11/2009	15616	COBI-PW
High School Well #2/Commodore	3/13/2009	31232	COBI-PW
High School Well #2/Commodore	4/15/2009	77104	COBI-PW
High School Well #2/Commodore	5/14/2009	44896	COBI-PW
High School Well #2/Commodore	6/17/2009	2928	COBI-PW
High School Well #2/Commodore	7/15/2009	5856	COBI-PW
High School Well #2/Commodore	8/13/2009	250832	COBI-PW
High School Well #2/Commodore	9/15/2009	191296	COBI-PW
High School Well #2/Commodore	10/14/2009	60512	COBI-PW
High School Well #2/Commodore	11/17/2009	63440	COBI-PW
High School Well #2/Commodore	12/16/2009	35136	COBI-PW
High School Well #2/Commodore	1/15/2010	20775	COBI-PW
High School Well #2/Commodore	2/18/2010	14958	COBI-PW
High School Well #2/Commodore	3/16/2010	9972	COBI-PW
High School Well #2/Commodore	4/14/2010	831	COBI-PW
High School Well #2/Commodore	5/13/2010	18282	COBI-PW
High School Well #2/Commodore	6/23/2010	6648	COBI-PW
High School Well #2/Commodore	7/13/2010	4986	COBI-PW
High School Well #2/Commodore	8/20/2010	7479	COBI-PW
High School Well #2/Commodore	9/15/2010	11634	COBI-PW
High School Well #2/Commodore	10/15/2010	11634	COBI-PW
High School Well #2/Commodore	11/12/2010	2493	COBI-PW
High School Well #2/Commodore	12/15/2010	0	COBI-PW
High School Well #2/Commodore	1/18/2011	0	COBI-PW
High School Well #2/Commodore	2/22/2011	0	COBI-PW
High School Well #2/Commodore	3/15/2011	4155	COBI-PW
High School Well #2/Commodore	4/19/2011	0	COBI-PW
High School Well #2/Commodore	5/17/2011	0	COBI-PW
High School Well #2/Commodore	6/15/2011	0	COBI-PW
High School Well #2/Commodore	7/20/2011	0	COBI-PW
High School Well #2/Commodore	8/18/2011	0	COBI-PW
High School Well #2/Commodore	9/14/2011	0	COBI-PW
High School Well #2/Commodore	10/20/2011	4986	COBI-PW
High School Well #2/Commodore	11/16/2011	0	COBI-PW
High School Well #2/Commodore	12/16/2011	0	COBI-PW
High School Well #2/Commodore	1/12/2012	0	COBI-PW
High School Well #2/Commodore	2/15/2012	0	COBI-PW
High School Well #2/Commodore	3/19/2012	0	COBI-PW
High School Well #2/Commodore	4/17/2012	0	COBI-PW
High School Well #2/Commodore	5/10/2012	0	COBI-PW
High School Well #2/Commodore	6/19/2012	0	COBI-PW

Production Well	Measurement Date	Production Voulme	Technician
High School Well #2/Commodore	7/18/2012	0	COBI-PW
High School Well #2/Commodore	8/20/2012	0	COBI-PW
High School Well #2/Commodore	9/18/2012	0	COBI-PW
High School Well #2/Commodore	10/16/2012	0	COBI-PW
High School Well #2/Commodore	11/14/2012	0	COBI-PW
High School Well #2/Commodore	12/20/2012	0	COBI-PW
High School Well #2/Commodore	1/17/2013	0	COBI-PW
High School Well #2/Commodore	2/12/2013	0	COBI-PW
High School Well #2/Commodore	3/19/2013	0	COBI-PW
High School Well #2/Commodore	4/15/2013	4155	COBI-PW
High School Well #2/Commodore	5/15/2013	0	COBI-PW
High School Well #2/Commodore	6/19/2013	0	COBI-PW
High School Well #2/Commodore	7/19/2013	0	COBI-PW
High School Well #2/Commodore	8/16/2013	0	COBI-PW
High School Well #2/Commodore	9/19/2013	0	COBI-PW
High School Well #2/Commodore	10/25/2013	0	COBI-PW
High School Well #2/Commodore	11/21/2013	0	COBI-PW
High School Well #2/Commodore	12/12/2013	0	COBI-PW
High School Well #2/Commodore	1/21/2014	12465	COBI-PW
High School Well #2/Commodore	2/21/2014	0	COBI-PW
High School Well #2/Commodore	3/20/2014	0	COBI-PW
High School Well #2/Commodore	4/22/2014	0	COBI-PW
High School Well #2/Commodore	5/19/2014	0	COBI-PW
High School Well #2/Commodore	6/17/2014	5817	COBI-PW
High School Well #2/Commodore	7/16/2014	0	COBI-PW
High School Well #2/Commodore	8/26/2014	0	COBI-PW
High School Well #2/Commodore	9/18/2014	0	COBI-PW
High School Well #2/Commodore	10/15/2014	831	COBI-PW
High School Well #2/Commodore	11/19/2014	0	COBI-PW
High School Well #2/Commodore	12/22/2014	0	COBI-PW
High School Well #2/Commodore	1/15/2015	0	COBI-PW
High School Well #2/Commodore	2/17/2015	0	COBI-PW
High School Well #2/Commodore	3/16/2015	0	COBI-PW
High School Well #2/Commodore	4/21/2015	15789	COBI-PW
High School Well #2/Commodore	5/21/2015	0	COBI-PW
High School Well #2/Commodore	6/23/2015	0	COBI-PW
High School Well #2/Commodore	7/16/2015	0	COBI-PW
High School Well #2/Commodore	8/17/2015	0	COBI-PW
High School Well #2/Commodore	9/21/2015	0	COBI-PW
High School Well #2/Commodore	10/14/2015	0	COBI-PW
High School Well #2/Commodore	11/20/2015	0	COBI-PW
High School Well #2/Commodore	12/21/2015	0	COBI-PW
High School Well #2/Commodore	1/26/2016	0	COBI-PW
High School Well #2/Commodore	2/24/2016	0	COBI-PW
High School Well #2/Commodore	3/21/2016	0	COBI-PW
High School Well #2/Commodore	4/25/2016	0	COBI-PW
High School Well #2/Commodore	5/18/2016	0	COBI-PW
High School Well #2/Commodore	6/22/2016	0	COBI-PW
High School Well #2/Commodore	7/20/2016	0	COBI-PW
High School Well #2/Commodore	8/15/2016	0	COBI-PW
High School Well #2/Commodore	10/3/2016	0	COBI-PW

Production Well	Measurement Date	Production Voulme	Technician
High School Well #2/Commodore	10/26/2016	0	COBI-PW
High School Well #2/Commodore	11/30/2016	0	COBI-PW
High School Well #2/Commodore	12/29/2016	0	COBI-PW
High School Well #2/Commodore	1/22/2018	0	COBI-PW
High School Well #2/Commodore	2/13/2018	0	COBI-PW
High School Well #2/Commodore	3/19/2018	0	COBI-PW
High School Well #2/Commodore	4/18/2018	0	COBI-PW
High School Well #2/Commodore	5/17/2018	0	COBI-PW
High School Well #2/Commodore	6/14/2018	0	COBI-PW
High School Well #2/Commodore	7/19/2018	3324	COBI-PW
High School Well #2/Commodore	8/16/2018	0	COBI-PW
High School Well #2/Commodore	9/15/2018	0	COBI-PW
High School Well #2/Commodore	10/17/2018	4986	COBI-PW
High School Well #2/Commodore	11/14/2018	0	COBI-PW
High School Well #2/Commodore	12/17/2018	0	COBI-PW
High School Well #2/Commodore	1/16/2019	0	COBI-PW
High School Well #2/Commodore	2/21/2019	0	COBI-PW
High School Well #2/Commodore	3/18/2019	0	COBI-PW
High School Well #2/Commodore	4/16/2019	25000	COBI-PW
High School Well #2/Commodore	5/16/2019	25000	COBI-PW
High School Well #2/Commodore	6/18/2019	0	COBI-PW
High School Well #2/Commodore	7/17/2019	0	COBI-PW
High School Well #2/Commodore	8/16/2019	0	COBI-PW
High School Well #2/Commodore	9/20/2019	0	COBI-PW
High School Well #2/Commodore	10/16/2019	8000	COBI-PW
High School Well #2/Commodore	11/18/2019	8000	COBI-PW
High School Well #2/Commodore	12/16/2019	0	COBI-PW
High School Well #2/Commodore	1/16/2020	4000	COBI-PW
High School Well #2/Commodore	2/19/2020	4000	COBI-PW
High School Well #2/Commodore	3/17/2020	0	COBI-PW
High School Well #2/Commodore	4/20/2020	0	COBI-PW
High School Well #2/Commodore	5/19/2020	0	COBI-PW
High School Well #2/Commodore	6/17/2020	0	COBI-PW
High School Well #2/Commodore	7/16/2020	0	COBI-PW
High School Well #2/Commodore	8/18/2020	0	COBI-PW
High School Well #2/Commodore	9/17/2020	0	COBI-PW
High School Well #2/Commodore	10/16/2020	9000	COBI-PW
High School Well #2/Commodore	11/19/2020	9000	COBI-PW
High School Well #2/Commodore	12/17/2020	0	COBI-PW
High School Well #2/Commodore	1/20/2021	0	COBI-PW
High School Well #2/Commodore	2/23/2021	0	COBI-PW
High School Well #2/Commodore	3/18/2021	0	COBI-PW
High School Well #2/Commodore	5/19/2021	0	COBI-PW
High School Well #2/Commodore	6/17/2021	0	COBI-PW
High School Well #2/Commodore	7/15/2021	0	COBI-PW
High School Well #2/Commodore	8/18/2021	0	COBI-PW
High School Well #2/Commodore	9/14/2021	0	COBI-PW
High School Well #2/Commodore	10/18/2021	3000	COBI-PW
High School Well #2/Commodore	11/16/2021	0	COBI-PW
High School Well #2/Commodore	12/20/2021	0	COBI-PW
Island Utilities Well 1	11/30/2009	0	KPUD

Production Well	Measurement Date	Production Voulme	Technician
Island Utilities Well 1	12/30/2009	0	KPUD
Island Utilities Well 1	1/29/2010	0	KPUD
Island Utilities Well 1	2/26/2010	0	KPUD
Island Utilities Well 1	3/31/2010	0	KPUD
Island Utilities Well 1	4/30/2010	0	KPUD
Island Utilities Well 1	5/31/2010	0	KPUD
Island Utilities Well 1	6/25/2010	0	KPUD
Island Utilities Well 1	7/30/2010	28200	KPUD
Island Utilities Well 1	8/30/2010	0	KPUD
Island Utilities Well 1	9/29/2010	0	KPUD
Island Utilities Well 1	10/29/2010	0	KPUD
Island Utilities Well 1	11/29/2010	21000	KPUD
Island Utilities Well 1	12/31/2010	7600	KPUD
Island Utilities Well 1	1/31/2011	100	KPUD
Island Utilities Well 1	2/28/2011	0	KPUD
Island Utilities Well 1	3/30/2011	0	KPUD
Island Utilities Well 1	4/26/2011	0	KPUD
Island Utilities Well 1	5/30/2011	0	KPUD
Island Utilities Well 1	6/29/2011	0	KPUD
Island Utilities Well 1	7/28/2011	0	KPUD
Island Utilities Well 1	8/31/2011	0	KPUD
Island Utilities Well 1	9/30/2011	4100	KPUD
Island Utilities Well 1	10/31/2011	0	KPUD
Island Utilities Well 1	11/30/2011	0	KPUD
Island Utilities Well 1	12/30/2011	0	KPUD
Island Utilities Well 1	1/25/2012	400	KPUD
Island Utilities Well 1	2/29/2012	0	KPUD
Island Utilities Well 1	3/30/2012	0	KPUD
Island Utilities Well 1	4/30/2012	0	KPUD
Island Utilities Well 1	5/30/2012	0	KPUD
Island Utilities Well 1	6/29/2012	0	KPUD
Island Utilities Well 1	7/30/2012	0	KPUD
Island Utilities Well 1	8/31/2012	0	KPUD
Island Utilities Well 1	9/28/2012	0	KPUD
Island Utilities Well 1	10/31/2012	0	KPUD
Island Utilities Well 1	11/30/2012	0	KPUD
Island Utilities Well 1	12/31/2012	0	KPUD
Island Utilities Well 1	1/30/2013	0	KPUD
Island Utilities Well 1	2/27/2013	0	KPUD
Island Utilities Well 1	3/29/2013	0	KPUD
Island Utilities Well 1	4/29/2013	0	KPUD
Island Utilities Well 1	5/31/2013	0	KPUD
Island Utilities Well 1	6/28/2013	0	KPUD
Island Utilities Well 1	7/31/2013	0	KPUD
Island Utilities Well 1	8/30/2013	0	KPUD
Island Utilities Well 1	9/30/2013	0	KPUD
Island Utilities Well 1	10/30/2013	0	KPUD
Island Utilities Well 1	11/29/2013	0	KPUD
Island Utilities Well 1	12/30/2013	0	KPUD
Island Utilities Well 1	1/31/2014	0	KPUD
Island Utilities Well 1	2/28/2014	0	KPUD

Production Well	Measurement Date	Production Voulme	Technician
Island Utilities Well 1	3/31/2014	0	KPUD
Island Utilities Well 1	4/30/2014	0	KPUD
Island Utilities Well 1	5/30/2014	0	KPUD
Island Utilities Well 1	6/30/2014	77300	KPUD
Island Utilities Well 1	7/29/2014	19900	KPUD
Island Utilities Well 1	8/30/2014	0	KPUD
Island Utilities Well 1	9/29/2014	0	KPUD
Island Utilities Well 1	10/31/2014	0	KPUD
Island Utilities Well 1	11/28/2014	0	KPUD
Island Utilities Well 1	12/31/2014	800	KPUD
Island Utilities Well 1	1/30/2015	0	KPUD
Island Utilities Well 1	2/27/2015	0	KPUD
Island Utilities Well 1	3/30/2015	0	KPUD
Island Utilities Well 1	4/29/2015	0	KPUD
Island Utilities Well 1	5/29/2015	0	KPUD
Island Utilities Well 1	6/24/2015	0	KPUD
Island Utilities Well 1	7/31/2015	16439200	KPUD
Island Utilities Well 1	8/31/2015	0	KPUD
Island Utilities Well 1	9/30/2015	0	KPUD
Island Utilities Well 1	10/31/2015	0	KPUD
Island Utilities Well 1	11/30/2015	0	KPUD
Island Utilities Well 1	12/31/2015	0	KPUD
Island Utilities Well 1	1/31/2016	0	KPUD
Island Utilities Well 1	2/29/2016	0	KPUD
Island Utilities Well 1	3/31/2016	0	KPUD
Island Utilities Well 1	4/30/2016	0	KPUD
Island Utilities Well 1	5/31/2016	0	KPUD
Island Utilities Well 1	6/30/2016	0	KPUD
Island Utilities Well 1	7/31/2016	0	KPUD
Island Utilities Well 1	8/31/2016	0	KPUD
Island Utilities Well 1	9/30/2016	0	KPUD
Island Utilities Well 1	10/31/2016	0	KPUD
Island Utilities Well 1	11/30/2016	0	KPUD
Island Utilities Well 1	12/31/2016	0	KPUD
Island Utilities Well 1	1/31/2017	0	KPUD
Island Utilities Well 1	2/28/2017	0	KPUD
Island Utilities Well 1	3/31/2017	0	KPUD
Island Utilities Well 1	4/30/2017	0	KPUD
Island Utilities Well 1	2/28/2018	0	KPUD
Island Utilities Well 1	3/31/2018	0	KPUD
Island Utilities Well 1	4/30/2018	0	KPUD
Island Utilities Well 1	5/31/2018	0	KPUD
Island Utilities Well 1	6/30/2018	1300	KPUD
Island Utilities Well 1	7/31/2018	292000	KPUD
Island Utilities Well 1	8/31/2018	1279300	KPUD
Island Utilities Well 1	9/30/2018	424000	KPUD
Island Utilities Well 1	10/31/2018	0	KPUD
Island Utilities Well 1	11/30/2018	0	KPUD
Island Utilities Well 1	12/31/2018	0	KPUD
Island Utilities Well 1	1/31/2019	0	KPUD
Island Utilities Well 1	2/28/2019	0	KPUD

Production Well	Measurement Date	Production Voulme	Technician
Island Utilities Well 1	3/31/2019	0	KPUD
Island Utilities Well 1	4/30/2019	0	KPUD
Island Utilities Well 1	5/31/2019	478900	KPUD
Island Utilities Well 1	6/30/2019	617800	KPUD
Island Utilities Well 1	7/31/2019	967700	KPUD
Island Utilities Well 1	8/31/2019	1451900	KPUD
Island Utilities Well 1	9/30/2019	657000	KPUD
Island Utilities Well 1	10/31/2019	0	KPUD
Island Utilities Well 1	11/30/2019	0	KPUD
Island Utilities Well 1	12/31/2019	0	KPUD
Island Utilities Well 1	1/31/2020	0	KPUD
Island Utilities Well 1	2/29/2020	0	KPUD
Island Utilities Well 1	3/31/2020	0	KPUD
Island Utilities Well 1	4/30/2020	0	KPUD
Island Utilities Well 1	5/31/2020	0	KPUD
Island Utilities Well 1	6/30/2020	15000	KPUD
Island Utilities Well 1	7/31/2020	813100	KPUD
Island Utilities Well 1	8/31/2020	1213600	KPUD
Island Utilities Well 1	9/30/2020	997400	KPUD
Island Utilities Well 1	10/31/2020	0	KPUD
Island Utilities Well 1	11/30/2020	0	KPUD
Island Utilities Well 1	12/31/2020	0	KPUD
Island Utilities Well 1	1/31/2021	0	KPUD
Island Utilities Well 1	2/28/2021	0	KPUD
Island Utilities Well 1	3/31/2021	0	KPUD
Island Utilities Well 1	4/30/2021	0	KPUD
Island Utilities Well 1	5/31/2021	84600	KPUD
Island Utilities Well 1	6/30/2021	949600	KPUD
Island Utilities Well 1	7/31/2021	2398100	KPUD
Island Utilities Well 1	8/31/2021	2026000	KPUD
Island Utilities Well 1	9/30/2021	895400	KPUD
Island Utilities Well 1	10/31/2021	0	KPUD
Island Utilities Well 1	11/30/2021	0	KPUD
Island Utilities Well 1	12/31/2021	0	KPUD
Island Utilities Well 2	11/30/2009	425930	Island Utility
Island Utilities Well 2	12/30/2009	437770	Island Utility
Island Utilities Well 2	1/29/2010	387910	Island Utility
Island Utilities Well 2	2/26/2010	396820	Island Utility
Island Utilities Well 2	3/31/2010	681760	Island Utility
Island Utilities Well 2	4/30/2010	551420	Island Utility
Island Utilities Well 2	5/31/2010	658880	Island Utility
Island Utilities Well 2	6/25/2010	580850	Island Utility
Island Utilities Well 2	7/30/2010	2399520	Island Utility
Island Utilities Well 2	8/30/2010	1973280	Island Utility
Island Utilities Well 2	9/29/2010	775860	Island Utility
Island Utilities Well 2	10/29/2010	529620	Island Utility
Island Utilities Well 2	11/29/2010	442370	Island Utility
Island Utilities Well 2	12/31/2010	480640	Island Utility
Island Utilities Well 2	1/31/2011	462100	Island Utility
Island Utilities Well 2	2/28/2011	383540	Island Utility
Island Utilities Well 2	3/30/2011	396560	Island Utility

Production Well	Measurement Date	Production Voulme	Technician
Island Utilities Well 2	4/26/2011	436440	Island Utility
Island Utilities Well 2	5/30/2011	647390	Island Utility
Island Utilities Well 2	6/29/2011	850870	Island Utility
Island Utilities Well 2	7/28/2011	1461860	Island Utility
Island Utilities Well 2	8/31/2011	2425040	Island Utility
Island Utilities Well 2	9/30/2011	1566900	Island Utility
Island Utilities Well 2	10/31/2011	526800	Island Utility
Island Utilities Well 2	11/30/2011	430580	Island Utility
Island Utilities Well 2	12/30/2011	418910	Island Utility
Island Utilities Well 2	1/25/2012	553850	Island Utility
Island Utilities Well 2	2/29/2012	458330	Island Utility
Island Utilities Well 2	3/30/2012	473600	Island Utility
Island Utilities Well 2	4/30/2012	480950	Island Utility
Island Utilities Well 2	5/30/2012	840510	Island Utility
Island Utilities Well 2	6/29/2012	930560	Island Utility
Island Utilities Well 2	7/30/2012	1570800	Island Utility
Island Utilities Well 2	8/31/2012	2223800	Island Utility
Island Utilities Well 2	9/28/2012	1694480	Island Utility
Island Utilities Well 2	10/31/2012	841900	Island Utility
Island Utilities Well 2	11/30/2012	474690	Island Utility
Island Utilities Well 2	12/31/2012	442340	Island Utility
Island Utilities Well 2	1/30/2013	449530	Island Utility
Island Utilities Well 2	2/27/2013	434110	Island Utility
Island Utilities Well 2	3/29/2013	507880	Island Utility
Island Utilities Well 2	4/29/2013	554600	Island Utility
Island Utilities Well 2	5/31/2013	1101300	Island Utility
Island Utilities Well 2	6/28/2013	1464270	Island Utility
Island Utilities Well 2	7/31/2013	2604680	Island Utility
Island Utilities Well 2	8/30/2013	1282480	Island Utility
Island Utilities Well 2	9/30/2013	2016410	Island Utility
Island Utilities Well 2	10/30/2013	552740	Island Utility
Island Utilities Well 2	11/29/2013	491520	Island Utility
Island Utilities Well 2	12/30/2013	537990	Island Utility
Island Utilities Well 2	1/31/2014	469730	Island Utility
Island Utilities Well 2	2/28/2014	386500	Island Utility
Island Utilities Well 2	3/31/2014	494210	Island Utility
Island Utilities Well 2	4/30/2014	525220	Island Utility
Island Utilities Well 2	5/30/2014	1138870	Island Utility
Island Utilities Well 2	6/30/2014	2227180	Island Utility
Island Utilities Well 2	7/29/2014	2522140	Island Utility
Island Utilities Well 2	8/30/2014	2200280	Island Utility
Island Utilities Well 2	9/29/2014	1349300	Island Utility
Island Utilities Well 2	10/31/2014	661190	Island Utility
Island Utilities Well 2	11/28/2014	465790	Island Utility
Island Utilities Well 2	12/31/2014	508660	Island Utility
Island Utilities Well 2	1/30/2015	505900	Island Utility
Island Utilities Well 2	2/27/2015	459730	Island Utility
Island Utilities Well 2	3/30/2015	547200	Island Utility
Island Utilities Well 2	4/29/2015	612180	Island Utility
Island Utilities Well 2	5/29/2015	1215870	Island Utility
Island Utilities Well 2	6/24/2015	2090940	Island Utility

Production Well	Measurement Date	Production Voulme	Technician
Island Utilities Well 2	7/31/2015	3934050	Island Utility
Island Utilities Well 2	8/31/2015	2521750	Island Utility
Island Utilities Well 2	9/30/2015	1126348	Island Utility
Island Utilities Well 2	10/31/2015	643622	Island Utility
Island Utilities Well 2	11/30/2015	457570	Island Utility
Island Utilities Well 2	12/31/2015	391120	Island Utility
Island Utilities Well 2	1/31/2016	404570	Island Utility
Island Utilities Well 2	2/29/2016	664750	Island Utility
Island Utilities Well 2	3/31/2016	453480	Island Utility
Island Utilities Well 2	4/30/2016	691470	Island Utility
Island Utilities Well 2	5/31/2016	1552300	Island Utility
Island Utilities Well 2	6/30/2016	1904130	Island Utility
Island Utilities Well 2	7/31/2016	2034530	KPUD
Island Utilities Well 2	8/31/2016	2673200	KPUD
Island Utilities Well 2	9/30/2016	1445710	KPUD
Island Utilities Well 2	10/31/2016	544560	KPUD
Island Utilities Well 2	11/30/2016	543330	KPUD
Island Utilities Well 2	12/31/2016	449130	KPUD
Island Utilities Well 2	1/31/2017	487150	KPUD
Island Utilities Well 2	2/28/2017	455680	KPUD
Island Utilities Well 2	3/31/2017	550400	KPUD
Island Utilities Well 2	4/30/2017	442680	KPUD
Island Utilities Well 2	5/31/2017	1225520	KPUD
Island Utilities Well 2	6/30/2017	1597380	KPUD
Island Utilities Well 2	7/31/2017	2867250	KPUD
Island Utilities Well 2	8/31/2017	2859040	KPUD
Island Utilities Well 2	9/30/2017	1703690	KPUD
Island Utilities Well 2	10/31/2017	674580	KPUD
Island Utilities Well 2	11/30/2017	511040	KPUD
Island Utilities Well 2	12/31/2017	448030	KPUD
Island Utilities Well 2	1/31/2018	822510	KPUD
Island Utilities Well 2	2/28/2018	694510	KPUD
Island Utilities Well 2	3/31/2018	470730	KPUD
Island Utilities Well 2	4/30/2018	600820	KPUD
Island Utilities Well 2	5/31/2018	1335930	KPUD
Island Utilities Well 2	6/30/2018	2270020	KPUD
Island Utilities Well 2	7/31/2018	3110090	KPUD
Island Utilities Well 2	8/31/2018	2123590	KPUD
Island Utilities Well 2	9/30/2018	1375710	KPUD
Island Utilities Well 2	10/31/2018	536960	KPUD
Island Utilities Well 2	11/30/2018	354390	KPUD
Island Utilities Well 2	12/31/2018	325360	KPUD
Island Utilities Well 2	1/31/2019	444730	KPUD
Island Utilities Well 2	2/28/2019	372520	KPUD
Island Utilities Well 2	3/31/2019	741870	KPUD
Island Utilities Well 2	4/30/2019	1045260	KPUD
Island Utilities Well 2	5/31/2019	1956190	KPUD
Island Utilities Well 2	6/30/2019	2479380	KPUD
Island Utilities Well 2	7/31/2019	1824350	KPUD
Island Utilities Well 2	8/31/2019	1853850	KPUD
Island Utilities Well 2	9/30/2019	993100	KPUD

Production Well	Measurement Date	Production Voulme	Technician
Island Utilities Well 2	10/31/2019	427810	KPUD
Island Utilities Well 2	11/30/2019	398260	KPUD
Island Utilities Well 2	12/31/2019	515320	KPUD
Island Utilities Well 2	1/31/2020	394980	KPUD
Island Utilities Well 2	2/29/2020	407780	KPUD
Island Utilities Well 2	3/31/2020	755300	KPUD
Island Utilities Well 2	4/30/2020	789470	KPUD
Island Utilities Well 2	5/31/2020	1298760	KPUD
Island Utilities Well 2	6/30/2020	1377430	KPUD
Island Utilities Well 2	7/31/2020	2270960	KPUD
Island Utilities Well 2	8/31/2020	1822760	KPUD
Island Utilities Well 2	9/30/2020	1512380	KPUD
Island Utilities Well 2	10/31/2020	878080	KPUD
Island Utilities Well 2	11/30/2020	787290	KPUD
Island Utilities Well 2	12/31/2020	443210	KPUD
Island Utilities Well 2	1/31/2021	443430	KPUD
Island Utilities Well 2	2/28/2021	440510	KPUD
Island Utilities Well 2	3/31/2021	747360	KPUD
Island Utilities Well 2	4/30/2021	932350	KPUD
Island Utilities Well 2	5/31/2021	1476340	KPUD
Island Utilities Well 2	6/30/2021	1877020	KPUD
Island Utilities Well 2	7/31/2021	2290800	KPUD
Island Utilities Well 2	8/31/2021	2162400	KPUD
Island Utilities Well 2	9/30/2021	1768800	KPUD
Island Utilities Well 2	10/31/2021	471400	KPUD
Island Utilities Well 2	11/30/2021	414670	KPUD
Island Utilities Well 2	12/31/2021	516814	KPUD
Island Utilities Well 3	1/31/2009	0	KPUD
Island Utilities Well 3	2/28/2009	0	KPUD
Island Utilities Well 3	3/31/2009	0	KPUD
Island Utilities Well 3	4/30/2009	0	KPUD
Island Utilities Well 3	5/31/2009	0	KPUD
Island Utilities Well 3	6/30/2009	0	KPUD
Island Utilities Well 3	7/31/2009	0	KPUD
Island Utilities Well 3	8/31/2009	0	KPUD
Island Utilities Well 3	9/30/2009	0	KPUD
Island Utilities Well 3	10/31/2009	0	KPUD
Island Utilities Well 3	11/30/2009	0	KPUD
Island Utilities Well 3	12/31/2009	0	KPUD
Island Utilities Well 3	1/31/2010	0	KPUD
Island Utilities Well 3	2/28/2010	0	KPUD
Island Utilities Well 3	3/31/2010	0	KPUD
Island Utilities Well 3	4/30/2010	0	KPUD
Island Utilities Well 3	5/31/2010	0	KPUD
Island Utilities Well 3	6/30/2010	0	KPUD
Island Utilities Well 3	7/31/2010	0	KPUD
Island Utilities Well 3	8/31/2010	0	KPUD
Island Utilities Well 3	9/30/2010	0	KPUD
Island Utilities Well 3	10/31/2010	0	KPUD
Island Utilities Well 3	11/30/2010	0	KPUD
Island Utilities Well 3	12/31/2010	0	KPUD

Production Well	Measurement Date	Production Voulme	Technician
Island Utilities Well 3	1/31/2011	0	KPUD
Island Utilities Well 3	2/28/2011	0	KPUD
Island Utilities Well 3	3/31/2011	0	KPUD
Island Utilities Well 3	4/30/2011	0	KPUD
Island Utilities Well 3	5/31/2011	0	KPUD
Island Utilities Well 3	6/30/2011	0	KPUD
Island Utilities Well 3	7/31/2011	0	KPUD
Island Utilities Well 3	8/31/2011	0	KPUD
Island Utilities Well 3	9/30/2011	0	KPUD
Island Utilities Well 3	10/31/2011	0	KPUD
Island Utilities Well 3	11/30/2011	0	KPUD
Island Utilities Well 3	12/31/2011	0	KPUD
Island Utilities Well 3	1/31/2012	0	KPUD
Island Utilities Well 3	2/29/2012	0	KPUD
Island Utilities Well 3	3/31/2012	0	KPUD
Island Utilities Well 3	4/30/2012	0	KPUD
Island Utilities Well 3	5/31/2012	0	KPUD
Island Utilities Well 3	6/30/2012	0	KPUD
Island Utilities Well 3	7/31/2012	0	KPUD
Island Utilities Well 3	8/31/2012	0	KPUD
Island Utilities Well 3	9/30/2012	0	KPUD
Island Utilities Well 3	10/31/2012	0	KPUD
Island Utilities Well 3	11/30/2012	0	KPUD
Island Utilities Well 3	12/31/2012	0	KPUD
Island Utilities Well 3	1/31/2013	0	KPUD
Island Utilities Well 3	2/28/2013	0	KPUD
Island Utilities Well 3	3/31/2013	0	KPUD
Island Utilities Well 3	4/30/2013	0	KPUD
Island Utilities Well 3	5/31/2013	0	KPUD
Island Utilities Well 3	6/30/2013	0	KPUD
Island Utilities Well 3	7/31/2013	0	KPUD
Island Utilities Well 3	8/31/2013	0	KPUD
Island Utilities Well 3	9/30/2013	0	KPUD
Island Utilities Well 3	10/31/2013	0	KPUD
Island Utilities Well 3	11/30/2013	0	KPUD
Island Utilities Well 3	12/31/2013	0	KPUD
Island Utilities Well 3	1/31/2014	600658	KPUD
Island Utilities Well 3	2/28/2014	460984	KPUD
Island Utilities Well 3	3/31/2014	812546	KPUD
Island Utilities Well 3	4/30/2014	800984	KPUD
Island Utilities Well 3	5/31/2014	966002	KPUD
Island Utilities Well 3	6/30/2014	1730232	KPUD
Island Utilities Well 3	7/31/2014	3287124	KPUD
Island Utilities Well 3	8/31/2014	3863756	KPUD
Island Utilities Well 3	9/30/2014	2680924	KPUD
Island Utilities Well 3	10/31/2014	943270	KPUD
Island Utilities Well 3	11/30/2014	825258	KPUD
Island Utilities Well 3	12/31/2014	611044	KPUD
Island Utilities Well 3	1/31/2015	690900	KPUD
Island Utilities Well 3	2/28/2015	667506	KPUD
Island Utilities Well 3	3/31/2015	802192	KPUD

Production Well	Measurement Date	Production Voulme	Technician
Island Utilities Well 3	4/30/2015	897284	KPUD
Island Utilities Well 3	5/31/2015	1809790	KPUD
Island Utilities Well 3	6/30/2015	4422644	KPUD
Island Utilities Well 3	7/31/2015	8388072	KPUD
Island Utilities Well 3	8/31/2015	2933868	KPUD
Island Utilities Well 3	9/30/2015	1175900	KPUD
Island Utilities Well 3	10/31/2015	832100	KPUD
Island Utilities Well 3	11/30/2015	502100	KPUD
Island Utilities Well 3	12/31/2015	438300	KPUD
Island Utilities Well 3	1/31/2016	458600	KPUD
Island Utilities Well 3	2/29/2016	793800	KPUD
Island Utilities Well 3	3/31/2016	511500	KPUD
Island Utilities Well 3	4/30/2016	760900	KPUD
Island Utilities Well 3	5/31/2016	1787600	KPUD
Island Utilities Well 3	6/30/2016	2066700	KPUD
Island Utilities Well 3	7/31/2016	1999200	KPUD
Island Utilities Well 3	8/31/2016	2648600	KPUD
Island Utilities Well 3	9/30/2016	1421300	KPUD
Island Utilities Well 3	10/31/2016	660800	KPUD
Island Utilities Well 3	11/30/2016	529300	KPUD
Island Utilities Well 3	12/31/2016	485700	KPUD
Island Utilities Well 3	1/31/2017	528600	KPUD
Island Utilities Well 3	2/28/2017	0	KPUD
Island Utilities Well 3	3/31/2017	578500	KPUD
Island Utilities Well 3	4/30/2017	489200	KPUD
Island Utilities Well 3	5/31/2017	1269200	KPUD
Island Utilities Well 3	6/30/2017	1631900	KPUD
Island Utilities Well 3	7/31/2017	2636100	KPUD
Island Utilities Well 3	8/31/2017	2863000	KPUD
Island Utilities Well 3	9/30/2017	1752200	KPUD
Island Utilities Well 3	10/31/2017	778600	KPUD
Island Utilities Well 3	11/30/2017	585600	KPUD
Island Utilities Well 3	12/31/2017	437800	KPUD
Island Utilities Well 3	1/31/2018	730500	KPUD
Island Utilities Well 3	2/28/2018	708100	KPUD
Island Utilities Well 3	3/31/2018	523600	KPUD
Island Utilities Well 3	4/30/2018	652500	KPUD
Island Utilities Well 3	5/31/2018	1281800	KPUD
Island Utilities Well 3	6/30/2018	2190700	KPUD
Island Utilities Well 3	7/31/2018	3291300	KPUD
Island Utilities Well 3	8/31/2018	2813400	KPUD
Island Utilities Well 3	9/30/2018	2085700	KPUD
Island Utilities Well 3	10/31/2018	967200	KPUD
Island Utilities Well 3	11/30/2018	737300	KPUD
Island Utilities Well 3	12/31/2018	673500	KPUD
Island Utilities Well 3	1/31/2019	571200	KPUD
Island Utilities Well 3	2/28/2019	564500	KPUD
Island Utilities Well 3	3/31/2019	827600	KPUD
Island Utilities Well 3	4/30/2019	1282000	KPUD
Island Utilities Well 3	5/31/2019	2433100	KPUD
Island Utilities Well 3	6/30/2019	2996300	KPUD

Production Well	Measurement Date	Production Voulme	Technician
Island Utilities Well 3	7/31/2019	2568700	KPUD
Island Utilities Well 3	8/31/2019	2895000	KPUD
Island Utilities Well 3	9/30/2019	1472400	KPUD
Island Utilities Well 3	10/31/2019	649800	KPUD
Island Utilities Well 3	11/30/2019	566300	KPUD
Island Utilities Well 3	12/31/2019	718300	KPUD
Island Utilities Well 3	1/31/2020	543100	KPUD
Island Utilities Well 3	2/29/2020	554300	KPUD
Island Utilities Well 3	3/31/2020	964600	KPUD
Island Utilities Well 3	4/30/2020	1032600	KPUD
Island Utilities Well 3	5/31/2020	1645200	KPUD
Island Utilities Well 3	6/30/2020	1725300	KPUD
Island Utilities Well 3	7/31/2020	2755000	KPUD
Island Utilities Well 3	8/31/2020	2547200	KPUD
Island Utilities Well 3	9/30/2020	2394000	KPUD
Island Utilities Well 3	10/31/2020	1409700	KPUD
Island Utilities Well 3	11/30/2020	1188700	KPUD
Island Utilities Well 3	12/31/2020	675400	KPUD
Island Utilities Well 3	1/31/2021	653600	KPUD
Island Utilities Well 3	2/28/2021	630600	KPUD
Island Utilities Well 3	3/31/2021	1031200	KPUD
Island Utilities Well 3	4/30/2021	1273100	KPUD
Island Utilities Well 3	5/31/2021	1920400	KPUD
Island Utilities Well 3	6/30/2021	2634200	KPUD
Island Utilities Well 3	7/31/2021	2714600	KPUD
Island Utilities Well 3	8/31/2021	2603000	KPUD
Island Utilities Well 3	9/30/2021	2153700	KPUD
Island Utilities Well 3	10/31/2021	860000	KPUD
Island Utilities Well 3	11/30/2021	701500	KPUD
Island Utilities Well 3	12/31/2021	845100	KPUD
North Bainbridge Well 03	12/31/1986	8500	KPUD
North Bainbridge Well 03	1/31/1987	4375800	KPUD
North Bainbridge Well 03	2/28/1987	4655300	KPUD
North Bainbridge Well 03	3/31/1987	5855000	KPUD
North Bainbridge Well 03	4/30/1987	4343500	KPUD
North Bainbridge Well 03	5/31/1987	4046700	KPUD
North Bainbridge Well 03	6/30/1987	4251300	KPUD
North Bainbridge Well 03	7/31/1987	4633500	KPUD
North Bainbridge Well 03	8/31/1987	3567200	KPUD
North Bainbridge Well 03	9/30/1987	1433000	KPUD
North Bainbridge Well 03	10/31/1987	2056200	KPUD
North Bainbridge Well 03	11/30/1987	776500	KPUD
North Bainbridge Well 03	12/31/1987	883300	KPUD
North Bainbridge Well 03	1/31/1988	1220400	KPUD
North Bainbridge Well 03	2/29/1988	1380000	KPUD
North Bainbridge Well 03	3/31/1988	5271700	KPUD
North Bainbridge Well 03	4/30/1988	4941600	KPUD
North Bainbridge Well 03	5/31/1988	7058700	KPUD
North Bainbridge Well 03	6/30/1988	4328700	KPUD
North Bainbridge Well 03	7/31/1988	2401800	KPUD
North Bainbridge Well 03	8/31/1988	2909100	KPUD

Production Well	Measurement Date	Production Voulme	Technician
North Bainbridge Well 03	9/30/1988	1832000	KPUD
North Bainbridge Well 03	10/31/1988	3357000	KPUD
North Bainbridge Well 03	11/30/1988	1970200	KPUD
North Bainbridge Well 03	12/31/1988	5061900	KPUD
North Bainbridge Well 03	1/31/1989	5081500	KPUD
North Bainbridge Well 03	2/28/1989	4477400	KPUD
North Bainbridge Well 03	3/31/1989	1682800	KPUD
North Bainbridge Well 03	4/30/1989	2988400	KPUD
North Bainbridge Well 03	5/31/1989	6756500	KPUD
North Bainbridge Well 03	6/30/1989	6612300	KPUD
North Bainbridge Well 03	7/31/1989	3925300	KPUD
North Bainbridge Well 03	8/31/1989	1350100	KPUD
North Bainbridge Well 03	9/30/1989	199800	KPUD
North Bainbridge Well 03	10/31/1989	5886500	KPUD
North Bainbridge Well 03	11/30/1989	7843600	KPUD
North Bainbridge Well 03	12/31/1989	5380900	KPUD
North Bainbridge Well 03	1/31/1990	0	KPUD
North Bainbridge Well 03	2/28/1990	257300	KPUD
North Bainbridge Well 03	3/31/1990	0	KPUD
North Bainbridge Well 03	4/30/1990	62100	KPUD
North Bainbridge Well 03	5/31/1990	68600	KPUD
North Bainbridge Well 03	6/30/1990	3289100	KPUD
North Bainbridge Well 03	7/31/1990	4800600	KPUD
North Bainbridge Well 03	8/31/1990	3989100	KPUD
North Bainbridge Well 03	9/30/1990	2724800	KPUD
North Bainbridge Well 03	10/31/1990	6448400	KPUD
North Bainbridge Well 03	11/30/1990	5024800	KPUD
North Bainbridge Well 03	12/31/1990	6425500	KPUD
North Bainbridge Well 03	1/31/1991	0	KPUD
North Bainbridge Well 03	2/28/1991	179500	KPUD
North Bainbridge Well 03	10/31/1991	1757500	KPUD
North Bainbridge Well 03	11/30/1991	4347500	KPUD
North Bainbridge Well 03	12/31/1991	48500	KPUD
North Bainbridge Well 03	1/31/1992	0	KPUD
North Bainbridge Well 03	2/29/1992	977000	KPUD
North Bainbridge Well 03	3/31/1992	2978700	KPUD
North Bainbridge Well 03	4/30/1992	3024600	KPUD
North Bainbridge Well 03	5/31/1992	1451600	KPUD
North Bainbridge Well 03	6/30/1992	673200	KPUD
North Bainbridge Well 03	7/31/1992	4447500	KPUD
North Bainbridge Well 03	8/31/1992	2306500	KPUD
North Bainbridge Well 03	9/30/1992	507200	KPUD
North Bainbridge Well 03	10/31/1992	1495600	KPUD
North Bainbridge Well 03	11/30/1992	1751800	KPUD
North Bainbridge Well 03	12/31/1992	1298100	KPUD
North Bainbridge Well 03	1/31/1993	0	KPUD
North Bainbridge Well 03	2/28/1993	0	KPUD
North Bainbridge Well 03	3/31/1993	0	KPUD
North Bainbridge Well 03	4/30/1993	0	KPUD
North Bainbridge Well 03	5/31/1993	1179300	KPUD
North Bainbridge Well 03	6/30/1993	3103200	KPUD

Production Well	Measurement Date	Production Voulme	Technician
North Bainbridge Well 03	7/31/1993	579600	KPUD
North Bainbridge Well 03	8/31/1993	2518500	KPUD
North Bainbridge Well 03	9/30/1993	2637300	KPUD
North Bainbridge Well 03	10/31/1993	672200	KPUD
North Bainbridge Well 03	11/30/1993	4762600	KPUD
North Bainbridge Well 03	12/31/1993	4823500	KPUD
North Bainbridge Well 03	1/31/1994	119600	KPUD
North Bainbridge Well 03	3/31/1994	1062900	KPUD
North Bainbridge Well 03	4/30/1994	0	KPUD
North Bainbridge Well 03	5/31/1994	1212600	KPUD
North Bainbridge Well 03	6/30/1994	2567700	KPUD
North Bainbridge Well 03	7/31/1994	3212300	KPUD
North Bainbridge Well 03	8/31/1994	2592000	KPUD
North Bainbridge Well 03	9/30/1994	618000	KPUD
North Bainbridge Well 03	10/31/1994	555900	KPUD
North Bainbridge Well 03	11/30/1994	0	KPUD
North Bainbridge Well 03	12/31/1994	0	KPUD
North Bainbridge Well 03	1/31/1995	0	KPUD
North Bainbridge Well 03	2/28/1995	0	KPUD
North Bainbridge Well 03	3/31/1995	0	KPUD
North Bainbridge Well 03	4/30/1995	0	KPUD
North Bainbridge Well 03	5/31/1995	100	KPUD
North Bainbridge Well 03	6/30/1995	0	KPUD
North Bainbridge Well 03	7/31/1995	0	KPUD
North Bainbridge Well 03	8/31/1995	0	KPUD
North Bainbridge Well 03	9/30/1995	64300	KPUD
North Bainbridge Well 03	10/31/1995	0	KPUD
North Bainbridge Well 03	11/30/1995	200	KPUD
North Bainbridge Well 03	12/31/1995	0	KPUD
North Bainbridge Well 03	1/31/1996	0	KPUD
North Bainbridge Well 03	2/29/1996	0	KPUD
North Bainbridge Well 03	3/31/1996	0	KPUD
North Bainbridge Well 03	4/30/1996	0	KPUD
North Bainbridge Well 03	5/31/1996	0	KPUD
North Bainbridge Well 03	6/30/1996	0	KPUD
North Bainbridge Well 03	7/31/1996	1219900	KPUD
North Bainbridge Well 03	8/31/1996	400	KPUD
North Bainbridge Well 03	9/30/1996	710900	KPUD
North Bainbridge Well 03	10/31/1996	373100	KPUD
North Bainbridge Well 03	11/30/1996	129500	KPUD
North Bainbridge Well 03	12/31/1996	0	KPUD
North Bainbridge Well 03	1/31/1997	0	KPUD
North Bainbridge Well 03	2/28/1997	300	KPUD
North Bainbridge Well 03	3/31/1997	300	KPUD
North Bainbridge Well 03	4/30/1997	1200	KPUD
North Bainbridge Well 03	5/31/1997	700	KPUD
North Bainbridge Well 03	6/30/1997	994000	KPUD
North Bainbridge Well 03	7/31/1997	0	KPUD
North Bainbridge Well 03	8/31/1997	1404400	KPUD
North Bainbridge Well 03	9/30/1997	0	KPUD
North Bainbridge Well 03	10/31/1997	0	KPUD

Production Well	Measurement Date	Production Voulme	Technician
North Bainbridge Well 03	11/30/1997	0	KPUD
North Bainbridge Well 03	12/31/1997	0	KPUD
North Bainbridge Well 03	1/31/1998	0	KPUD
North Bainbridge Well 03	2/28/1998	0	KPUD
North Bainbridge Well 03	3/31/1998	0	KPUD
North Bainbridge Well 03	4/30/1998	0	KPUD
North Bainbridge Well 03	5/31/1998	1100	KPUD
North Bainbridge Well 03	6/30/1998	0	KPUD
North Bainbridge Well 03	7/31/1998	0	KPUD
North Bainbridge Well 03	8/31/1998	900	KPUD
North Bainbridge Well 03	9/30/1998	0	KPUD
North Bainbridge Well 03	10/31/1998	0	KPUD
North Bainbridge Well 03	11/30/1998	0	KPUD
North Bainbridge Well 03	12/31/1998	0	KPUD
North Bainbridge Well 03	1/31/1999	0	KPUD
North Bainbridge Well 03	2/28/1999	0	KPUD
North Bainbridge Well 03	3/31/1999	0	KPUD
North Bainbridge Well 03	4/30/1999	100	KPUD
North Bainbridge Well 03	5/31/1999	0	KPUD
North Bainbridge Well 03	6/30/1999	0	KPUD
North Bainbridge Well 03	7/31/1999	0	KPUD
North Bainbridge Well 03	8/31/1999	0	KPUD
North Bainbridge Well 03	9/30/1999	0	KPUD
North Bainbridge Well 03	10/31/1999	0	KPUD
North Bainbridge Well 03	11/30/1999	0	KPUD
North Bainbridge Well 03	12/31/1999	0	KPUD
North Bainbridge Well 03	1/31/2000	0	KPUD
North Bainbridge Well 03	2/29/2000	0	KPUD
North Bainbridge Well 03	3/31/2000	0	KPUD
North Bainbridge Well 03	4/30/2000	0	KPUD
North Bainbridge Well 03	5/31/2000	0	KPUD
North Bainbridge Well 03	6/30/2000	0	KPUD
North Bainbridge Well 03	7/31/2000	114300	KPUD
North Bainbridge Well 03	8/31/2000	31400	KPUD
North Bainbridge Well 03	9/30/2000	0	KPUD
North Bainbridge Well 03	10/31/2000	0	KPUD
North Bainbridge Well 03	11/30/2000	0	KPUD
North Bainbridge Well 03	12/31/2000	0	KPUD
North Bainbridge Well 03	1/31/2001	0	KPUD
North Bainbridge Well 03	2/28/2001	0	KPUD
North Bainbridge Well 03	3/31/2001	0	KPUD
North Bainbridge Well 03	4/30/2001	0	KPUD
North Bainbridge Well 03	5/31/2001	0	KPUD
North Bainbridge Well 03	6/30/2001	0	KPUD
North Bainbridge Well 03	7/31/2001	402600	KPUD
North Bainbridge Well 03	8/31/2001	304600	KPUD
North Bainbridge Well 03	9/30/2001	199500	KPUD
North Bainbridge Well 03	10/31/2001	0	KPUD
North Bainbridge Well 03	11/30/2001	0	KPUD
North Bainbridge Well 03	12/31/2001	0	KPUD
North Bainbridge Well 03	1/31/2002	0	KPUD

Production Well	Measurement Date	Production Voulme	Technician
North Bainbridge Well 03	2/28/2002	0	KPUD
North Bainbridge Well 03	3/31/2002	0	KPUD
North Bainbridge Well 03	4/30/2002	0	KPUD
North Bainbridge Well 03	5/31/2002	0	KPUD
North Bainbridge Well 03	6/30/2002	0	KPUD
North Bainbridge Well 03	7/31/2002	0	KPUD
North Bainbridge Well 03	8/31/2002	0	KPUD
North Bainbridge Well 03	9/30/2002	0	KPUD
North Bainbridge Well 03	10/31/2002	0	KPUD
North Bainbridge Well 03	11/30/2002	0	KPUD
North Bainbridge Well 03	12/31/2002	0	KPUD
North Bainbridge Well 03	1/31/2003	0	KPUD
North Bainbridge Well 03	2/28/2003	0	KPUD
North Bainbridge Well 03	3/31/2003	0	KPUD
North Bainbridge Well 03	4/30/2003	0	KPUD
North Bainbridge Well 03	5/31/2003	0	KPUD
North Bainbridge Well 03	6/30/2003	0	KPUD
North Bainbridge Well 03	7/31/2003	0	KPUD
North Bainbridge Well 03	8/31/2003	4485000	KPUD
North Bainbridge Well 03	9/11/2003	1185300	KPUD
North Bainbridge Well 03	10/30/2003	107000	KPUD
North Bainbridge Well 03	11/30/2003	0	KPUD
North Bainbridge Well 03	12/31/2003	0	KPUD
North Bainbridge Well 03	1/31/2004	1991700	KPUD
North Bainbridge Well 03	2/29/2004	3634100	KPUD
North Bainbridge Well 03	3/31/2004	2392800	KPUD
North Bainbridge Well 03	4/30/2004	2251500	KPUD
North Bainbridge Well 03	5/31/2004	2777000	KPUD
North Bainbridge Well 03	6/30/2004	4154100	KPUD
North Bainbridge Well 03	7/31/2004	5045200	KPUD
North Bainbridge Well 03	8/31/2004	4428500	KPUD
North Bainbridge Well 03	9/30/2004	656100	KPUD
North Bainbridge Well 03	10/31/2004	250800	KPUD
North Bainbridge Well 03	11/30/2004	1836500	KPUD
North Bainbridge Well 03	12/30/2004	1796500	KPUD
North Bainbridge Well 03	1/31/2005	1052100	KPUD
North Bainbridge Well 03	2/28/2005	977400	KPUD
North Bainbridge Well 03	3/30/2005	1581500	KPUD
North Bainbridge Well 03	4/29/2005	1599000	KPUD
North Bainbridge Well 03	5/31/2005	2113200	KPUD
North Bainbridge Well 03	7/1/2005	2718300	KPUD
North Bainbridge Well 03	7/29/2005	3154800	KPUD
North Bainbridge Well 03	8/31/2005	4567700	KPUD
North Bainbridge Well 03	9/30/2005	2674700	KPUD
North Bainbridge Well 03	10/31/2005	12779600	KPUD
North Bainbridge Well 03	11/30/2005	1339200	KPUD
North Bainbridge Well 03	12/31/2005	0	KPUD
North Bainbridge Well 03	1/31/2006	0	KPUD
North Bainbridge Well 03	2/28/2006	0	KPUD
North Bainbridge Well 03	3/31/2006	0	KPUD
North Bainbridge Well 03	4/30/2006	0	KPUD

Production Well	Measurement Date	Production Voulme	Technician
North Bainbridge Well 03	5/31/2006	0	KPUD
North Bainbridge Well 03	6/30/2006	0	KPUD
North Bainbridge Well 03	7/31/2006	0	KPUD
North Bainbridge Well 03	8/31/2006	0	KPUD
North Bainbridge Well 03	9/30/2006	0	KPUD
North Bainbridge Well 03	10/31/2006	2126400	KPUD
North Bainbridge Well 03	11/30/2006	1533500	KPUD
North Bainbridge Well 03	12/31/2006	1796600	KPUD
North Bainbridge Well 03	1/31/2007	1856700	KPUD
North Bainbridge Well 03	2/28/2007	1617300	KPUD
North Bainbridge Well 03	3/31/2007	1614900	KPUD
North Bainbridge Well 03	4/30/2007	1797000	KPUD
North Bainbridge Well 03	5/31/2007	2671400	KPUD
North Bainbridge Well 03	6/30/2007	3175900	KPUD
North Bainbridge Well 03	7/31/2007	4398100	KPUD
North Bainbridge Well 03	8/31/2007	3512200	KPUD
North Bainbridge Well 03	9/30/2007	0	KPUD
North Bainbridge Well 03	10/31/2007	1696500	KPUD
North Bainbridge Well 03	11/30/2007	1573100	KPUD
North Bainbridge Well 03	12/31/2007	1625900	KPUD
North Bainbridge Well 03	1/31/2008	1576100	KPUD
North Bainbridge Well 03	2/29/2008	1607700	KPUD
North Bainbridge Well 03	3/31/2008	1663200	KPUD
North Bainbridge Well 03	4/30/2008	1501200	KPUD
North Bainbridge Well 03	5/31/2008	2146400	KPUD
North Bainbridge Well 03	6/30/2008	2724400	KPUD
North Bainbridge Well 03	7/31/2008	4311300	KPUD
North Bainbridge Well 03	8/31/2008	3311600	KPUD
North Bainbridge Well 03	9/30/2008	2602000	KPUD
North Bainbridge Well 03	10/31/2008	1606100	KPUD
North Bainbridge Well 03	11/30/2008	1595000	KPUD
North Bainbridge Well 03	12/31/2008	1716000	KPUD
North Bainbridge Well 03	1/31/2009	1553000	KPUD
North Bainbridge Well 03	2/28/2009	1386500	KPUD
North Bainbridge Well 03	3/31/2009	1490100	KPUD
North Bainbridge Well 03	4/30/2009	1591000	KPUD
North Bainbridge Well 03	5/31/2009	2094100	KPUD
North Bainbridge Well 03	6/30/2009	2184100	KPUD
North Bainbridge Well 03	7/31/2009	1682900	KPUD
North Bainbridge Well 03	8/31/2009	3062500	KPUD
North Bainbridge Well 03	9/30/2009	2027800	KPUD
North Bainbridge Well 03	10/31/2009	1458300	KPUD
North Bainbridge Well 03	11/30/2009	1237400	KPUD
North Bainbridge Well 03	12/31/2009	1288300	KPUD
North Bainbridge Well 03	1/31/2010	1262700	KPUD
North Bainbridge Well 03	2/28/2010	1266100	KPUD
North Bainbridge Well 03	3/31/2010	1247200	KPUD
North Bainbridge Well 03	4/30/2010	1141500	KPUD
North Bainbridge Well 03	5/31/2010	1987000	KPUD
North Bainbridge Well 03	6/30/2010	1662500	KPUD
North Bainbridge Well 03	7/31/2010	2877300	KPUD

Production Well	Measurement Date	Production Voulme	Technician
North Bainbridge Well 03	8/31/2010	2822700	KPUD
North Bainbridge Well 03	9/30/2010	1593600	KPUD
North Bainbridge Well 03	10/31/2010	1323600	KPUD
North Bainbridge Well 03	11/30/2010	1215900	KPUD
North Bainbridge Well 03	12/31/2010	1302900	KPUD
North Bainbridge Well 03	1/31/2011	1244500	KPUD
North Bainbridge Well 03	2/28/2011	1102800	KPUD
North Bainbridge Well 03	3/31/2011	1201100	KPUD
North Bainbridge Well 03	4/30/2011	1212000	KPUD
North Bainbridge Well 03	5/31/2011	1373000	KPUD
North Bainbridge Well 03	6/30/2011	1729500	KPUD
North Bainbridge Well 03	7/31/2011	2350900	KPUD
North Bainbridge Well 03	8/31/2011	2773100	KPUD
North Bainbridge Well 03	9/30/2011	2350900	KPUD
North Bainbridge Well 03	10/31/2011	1691500	KPUD
North Bainbridge Well 03	11/30/2011	1253200	KPUD
North Bainbridge Well 03	12/31/2011	1240100	KPUD
North Bainbridge Well 03	1/31/2012	1232300	KPUD
North Bainbridge Well 03	2/29/2012	1124900	KPUD
North Bainbridge Well 03	3/31/2012	1291000	KPUD
North Bainbridge Well 03	4/30/2012	1348600	KPUD
North Bainbridge Well 03	5/31/2012	1731700	KPUD
North Bainbridge Well 03	6/30/2012	1590100	KPUD
North Bainbridge Well 03	7/31/2012	2183400	KPUD
North Bainbridge Well 03	8/31/2012	3147500	KPUD
North Bainbridge Well 03	9/30/2012	2604400	KPUD
North Bainbridge Well 03	10/31/2012	1794600	KPUD
North Bainbridge Well 03	11/30/2012	1252600	KPUD
North Bainbridge Well 03	12/31/2012	1243800	KPUD
North Bainbridge Well 03	1/31/2013	1206100	KPUD
North Bainbridge Well 03	2/28/2013	1020300	KPUD
North Bainbridge Well 03	3/31/2013	1424400	KPUD
North Bainbridge Well 03	4/30/2013	1345600	KPUD
North Bainbridge Well 03	5/31/2013	1997400	KPUD
North Bainbridge Well 03	6/30/2013	1887800	KPUD
North Bainbridge Well 03	7/31/2013	500	KPUD
North Bainbridge Well 03	8/31/2013	2195400	KPUD
North Bainbridge Well 03	9/30/2013	1544000	KPUD
North Bainbridge Well 03	10/31/2013	981900	KPUD
North Bainbridge Well 03	11/30/2013	921000	KPUD
North Bainbridge Well 03	12/31/2013	1270300	KPUD
North Bainbridge Well 03	1/31/2014	1204600	KPUD
North Bainbridge Well 03	2/28/2014	1083100	KPUD
North Bainbridge Well 03	3/31/2014	1317000	KPUD
North Bainbridge Well 03	4/30/2014	1425800	KPUD
North Bainbridge Well 03	5/31/2014	1770200	KPUD
North Bainbridge Well 03	6/30/2014	2353700	KPUD
North Bainbridge Well 03	7/31/2014	3343100	KPUD
North Bainbridge Well 03	8/31/2014	3218400	KPUD
North Bainbridge Well 03	9/30/2014	2144100	KPUD
North Bainbridge Well 03	10/31/2014	1520100	KPUD

Production Well	Measurement Date	Production Voulme	Technician
North Bainbridge Well 03	11/30/2014	1148000	KPUD
North Bainbridge Well 03	12/31/2014	1414800	KPUD
North Bainbridge Well 03	1/31/2015	1258200	KPUD
North Bainbridge Well 03	2/28/2015	0	KPUD
North Bainbridge Well 03	3/31/2015	0	KPUD
North Bainbridge Well 03	4/30/2015	0	KPUD
North Bainbridge Well 03	5/31/2015	2288500	KPUD
North Bainbridge Well 03	6/30/2015	3512500	KPUD
North Bainbridge Well 03	7/31/2015	4259800	KPUD
North Bainbridge Well 03	8/31/2015	3300400	KPUD
North Bainbridge Well 03	9/30/2015	1817600	KPUD
North Bainbridge Well 03	10/31/2015	1486200	KPUD
North Bainbridge Well 03	11/30/2015	1318600	KPUD
North Bainbridge Well 03	12/31/2015	1462800	KPUD
North Bainbridge Well 03	1/31/2016	593800	KPUD
North Bainbridge Well 03	2/29/2016	1202500	KPUD
North Bainbridge Well 03	3/31/2016	1285200	KPUD
North Bainbridge Well 03	4/30/2016	1487500	KPUD
North Bainbridge Well 03	5/31/2016	2213500	KPUD
North Bainbridge Well 03	6/30/2016	2822300	KPUD
North Bainbridge Well 03	7/31/2016	3260400	KPUD
North Bainbridge Well 03	8/31/2016	3655900	KPUD
North Bainbridge Well 03	9/30/2016	2275800	KPUD
North Bainbridge Well 03	10/31/2016	1365100	KPUD
North Bainbridge Well 03	11/30/2016	1267900	KPUD
North Bainbridge Well 03	12/31/2016	1384300	KPUD
North Bainbridge Well 03	1/31/2017	2019300	KPUD
North Bainbridge Well 03	2/28/2017	0	KPUD
North Bainbridge Well 03	3/31/2017	2680600	KPUD
North Bainbridge Well 03	4/30/2017	2366600	KPUD
North Bainbridge Well 03	5/31/2017	1709900	KPUD
North Bainbridge Well 03	6/30/2017	2470300	KPUD
North Bainbridge Well 03	7/31/2017	3716500	KPUD
North Bainbridge Well 03	8/31/2017	3724800	KPUD
North Bainbridge Well 03	9/30/2017	2634900	KPUD
North Bainbridge Well 03	10/31/2017	1515000	KPUD
North Bainbridge Well 03	11/30/2017	1346800	KPUD
North Bainbridge Well 03	12/31/2017	1378600	KPUD
North Bainbridge Well 03	1/31/2018	1330000	KPUD
North Bainbridge Well 03	2/28/2018	1121500	KPUD
North Bainbridge Well 03	3/31/2018	1398600	KPUD
North Bainbridge Well 03	4/30/2018	1357200	KPUD
North Bainbridge Well 03	5/31/2018	2343100	KPUD
North Bainbridge Well 03	6/30/2018	1801800	KPUD
North Bainbridge Well 03	7/31/2018	0	KPUD
North Bainbridge Well 03	8/31/2018	300	KPUD
North Bainbridge Well 03	9/30/2018	100	KPUD
North Bainbridge Well 03	10/31/2018	200	KPUD
North Bainbridge Well 03	11/30/2018	3100	KPUD
North Bainbridge Well 03	12/31/2018	13500	KPUD
North Bainbridge Well 03	1/31/2019	0	KPUD

Production Well	Measurement Date	Production Voulme	Technician
North Bainbridge Well 03	2/28/2019	633300	KPUD
North Bainbridge Well 03	3/31/2019	1526000	KPUD
North Bainbridge Well 03	4/30/2019	1602600	KPUD
North Bainbridge Well 03	5/31/2019	2644700	KPUD
North Bainbridge Well 03	6/30/2019	3259400	KPUD
North Bainbridge Well 03	7/31/2019	1089100	KPUD
North Bainbridge Well 03	8/31/2019	0	KPUD
North Bainbridge Well 03	9/30/2019	0	KPUD
North Bainbridge Well 03	10/31/2019	0	KPUD
North Bainbridge Well 03	11/30/2019	0	KPUD
North Bainbridge Well 03	12/31/2019	100	KPUD
North Bainbridge Well 03	1/31/2020	0	KPUD
North Bainbridge Well 03	2/29/2020	0	KPUD
North Bainbridge Well 03	3/31/2020	0	KPUD
North Bainbridge Well 03	4/30/2020	0	KPUD
North Bainbridge Well 03	5/31/2020	0	KPUD
North Bainbridge Well 03	6/30/2020	2179800	KPUD
North Bainbridge Well 03	7/31/2020	3520300	KPUD
North Bainbridge Well 03	8/31/2020	3897000	KPUD
North Bainbridge Well 03	9/30/2020	3202100	KPUD
North Bainbridge Well 03	10/31/2020	1839300	KPUD
North Bainbridge Well 03	11/30/2020	212900	KPUD
North Bainbridge Well 03	12/31/2020	0	KPUD
North Bainbridge Well 03	1/31/2021	0	KPUD
North Bainbridge Well 03	2/28/2021	0	KPUD
North Bainbridge Well 03	3/31/2021	0	KPUD
North Bainbridge Well 03	4/30/2021	2765800	KPUD
North Bainbridge Well 03	5/31/2021	3664900	KPUD
North Bainbridge Well 03	6/30/2021	2106700	KPUD
North Bainbridge Well 03	7/31/2021	4734300	KPUD
North Bainbridge Well 03	8/31/2021	3347700	KPUD
North Bainbridge Well 03	9/30/2021	2275700	KPUD
North Bainbridge Well 03	10/31/2021	332500	KPUD
North Bainbridge Well 03	11/30/2021	0	KPUD
North Bainbridge Well 03	12/31/2021	0	KPUD
North Bainbridge Well 06	2/28/2005	977400	KPUD
North Bainbridge Well 06	3/30/2005	1581500	KPUD
North Bainbridge Well 06	4/30/2005	0	KPUD
North Bainbridge Well 06	5/31/2005	0	KPUD
North Bainbridge Well 06	6/30/2005	0	KPUD
North Bainbridge Well 06	7/31/2005	0	KPUD
North Bainbridge Well 06	8/31/2005	0	KPUD
North Bainbridge Well 06	9/30/2005	0	KPUD
North Bainbridge Well 06	10/31/2005	0	KPUD
North Bainbridge Well 06	11/30/2005	0	KPUD
North Bainbridge Well 06	12/31/2005	0	KPUD
North Bainbridge Well 06	1/31/2006	0	KPUD
North Bainbridge Well 06	2/28/2006	0	KPUD
North Bainbridge Well 06	3/31/2006	0	KPUD
North Bainbridge Well 06	4/30/2006	0	KPUD
North Bainbridge Well 06	5/31/2006	0	KPUD

Production Well	Measurement Date	Production Voulme	Technician
North Bainbridge Well 06	6/30/2006	0	KPUD
North Bainbridge Well 06	7/31/2006	0	KPUD
North Bainbridge Well 06	8/31/2006	0	KPUD
North Bainbridge Well 06	9/30/2006	0	KPUD
North Bainbridge Well 06	10/31/2006	0	KPUD
North Bainbridge Well 06	11/30/2006	0	KPUD
North Bainbridge Well 06	12/31/2006	0	KPUD
North Bainbridge Well 06	1/31/2007	0	KPUD
North Bainbridge Well 06	2/28/2007	600	KPUD
North Bainbridge Well 06	3/31/2007	0	KPUD
North Bainbridge Well 06	4/30/2007	0	KPUD
North Bainbridge Well 06	5/31/2007	0	KPUD
North Bainbridge Well 06	6/30/2007	0	KPUD
North Bainbridge Well 06	7/31/2007	0	KPUD
North Bainbridge Well 06	8/31/2007	0	KPUD
North Bainbridge Well 06	9/30/2007	0	KPUD
North Bainbridge Well 06	10/31/2007	0	KPUD
North Bainbridge Well 06	11/30/2007	0	KPUD
North Bainbridge Well 06	12/31/2007	0	KPUD
North Bainbridge Well 06	1/31/2008	0	KPUD
North Bainbridge Well 06	2/29/2008	0	KPUD
North Bainbridge Well 06	3/31/2008	0	KPUD
North Bainbridge Well 06	4/30/2008	0	KPUD
North Bainbridge Well 06	5/31/2008	0	KPUD
North Bainbridge Well 06	6/30/2008	0	KPUD
North Bainbridge Well 06	7/31/2008	0	KPUD
North Bainbridge Well 06	8/31/2008	0	KPUD
North Bainbridge Well 06	9/30/2008	0	KPUD
North Bainbridge Well 06	10/31/2008	0	KPUD
North Bainbridge Well 06	11/30/2008	0	KPUD
North Bainbridge Well 06	12/31/2008	0	KPUD
North Bainbridge Well 06	1/31/2009	0	KPUD
North Bainbridge Well 06	2/28/2009	0	KPUD
North Bainbridge Well 06	3/31/2009	0	KPUD
North Bainbridge Well 06	4/30/2009	0	KPUD
North Bainbridge Well 06	5/31/2009	0	KPUD
North Bainbridge Well 06	6/30/2009	1167400	KPUD
North Bainbridge Well 06	7/31/2009	2404000	KPUD
North Bainbridge Well 06	8/31/2009	0	KPUD
North Bainbridge Well 06	9/30/2009	0	KPUD
North Bainbridge Well 06	10/31/2009	0	KPUD
North Bainbridge Well 06	11/30/2009	0	KPUD
North Bainbridge Well 06	12/30/2009	437770	KPUD
North Bainbridge Well 06	1/29/2010	387910	KPUD
North Bainbridge Well 06	2/26/2010	396820	KPUD
North Bainbridge Well 06	3/31/2010	0	KPUD
North Bainbridge Well 06	4/30/2010	4900	KPUD
North Bainbridge Well 06	5/31/2010	0	KPUD
North Bainbridge Well 06	6/25/2010	580850	KPUD
North Bainbridge Well 06	7/30/2010	2399520	KPUD
North Bainbridge Well 06	8/30/2010	1973280	KPUD

Production Well	Measurement Date	Production Voulme	Technician
North Bainbridge Well 06	9/29/2010	775860	KPUD
North Bainbridge Well 06	10/29/2010	529620	KPUD
North Bainbridge Well 06	11/29/2010	442370	KPUD
North Bainbridge Well 06	12/31/2010	0	KPUD
North Bainbridge Well 06	1/31/2011	0	KPUD
North Bainbridge Well 06	2/28/2011	0	KPUD
North Bainbridge Well 06	3/30/2011	396560	KPUD
North Bainbridge Well 06	4/26/2011	436440	KPUD
North Bainbridge Well 06	5/30/2011	647390	KPUD
North Bainbridge Well 06	6/29/2011	850870	KPUD
North Bainbridge Well 06	7/28/2011	1461860	KPUD
North Bainbridge Well 06	8/31/2011	0	KPUD
North Bainbridge Well 06	9/30/2011	0	KPUD
North Bainbridge Well 06	10/31/2011	0	KPUD
North Bainbridge Well 06	11/30/2011	0	KPUD
North Bainbridge Well 06	12/30/2011	418910	KPUD
North Bainbridge Well 06	1/25/2012	553850	KPUD
North Bainbridge Well 06	2/29/2012	0	KPUD
North Bainbridge Well 06	3/30/2012	473600	KPUD
North Bainbridge Well 06	4/30/2012	0	KPUD
North Bainbridge Well 06	5/30/2012	840510	KPUD
North Bainbridge Well 06	6/29/2012	930560	KPUD
North Bainbridge Well 06	7/30/2012	1570800	KPUD
North Bainbridge Well 06	8/31/2012	0	KPUD
North Bainbridge Well 06	9/28/2012	1694480	KPUD
North Bainbridge Well 06	10/31/2012	0	KPUD
North Bainbridge Well 06	11/30/2012	0	KPUD
North Bainbridge Well 06	12/31/2012	0	KPUD
North Bainbridge Well 06	1/30/2013	449530	KPUD
North Bainbridge Well 06	2/27/2013	434110	KPUD
North Bainbridge Well 06	3/29/2013	507880	KPUD
North Bainbridge Well 06	4/29/2013	554600	KPUD
North Bainbridge Well 06	5/31/2013	0	KPUD
North Bainbridge Well 06	6/28/2013	1464270	KPUD
North Bainbridge Well 06	7/31/2013	0	KPUD
North Bainbridge Well 06	8/30/2013	1282480	KPUD
North Bainbridge Well 06	9/30/2013	0	KPUD
North Bainbridge Well 06	10/30/2013	552740	KPUD
North Bainbridge Well 06	11/29/2013	491520	KPUD
North Bainbridge Well 06	12/30/2013	537990	KPUD
North Bainbridge Well 06	1/31/2014	0	KPUD
North Bainbridge Well 06	2/28/2014	0	KPUD
North Bainbridge Well 06	3/31/2014	0	KPUD
North Bainbridge Well 06	4/30/2014	0	KPUD
North Bainbridge Well 06	5/30/2014	1138870	KPUD
North Bainbridge Well 06	6/30/2014	0	KPUD
North Bainbridge Well 06	7/29/2014	2522140	KPUD
North Bainbridge Well 06	8/30/2014	2200280	KPUD
North Bainbridge Well 06	9/29/2014	1349300	KPUD
North Bainbridge Well 06	10/31/2014	0	KPUD
North Bainbridge Well 06	11/28/2014	465790	KPUD

Production Well	Measurement Date	Production Voulme	Technician
North Bainbridge Well 06	12/31/2014	0	KPUD
North Bainbridge Well 06	1/30/2015	505900	KPUD
North Bainbridge Well 06	2/27/2015	459730	KPUD
North Bainbridge Well 06	3/30/2015	547200	KPUD
North Bainbridge Well 06	4/29/2015	612180	KPUD
North Bainbridge Well 06	5/29/2015	1215870	KPUD
North Bainbridge Well 06	6/24/2015	2090940	KPUD
North Bainbridge Well 06	7/31/2015	0	KPUD
North Bainbridge Well 06	8/31/2015	0	KPUD
North Bainbridge Well 06	9/30/2015	0	KPUD
North Bainbridge Well 06	10/31/2015	0	KPUD
North Bainbridge Well 06	11/30/2015	0	KPUD
North Bainbridge Well 06	12/31/2015	0	KPUD
North Bainbridge Well 06	1/31/2016	0	KPUD
North Bainbridge Well 06	2/29/2016	0	KPUD
North Bainbridge Well 06	3/31/2016	0	KPUD
North Bainbridge Well 06	4/30/2016	0	KPUD
North Bainbridge Well 06	5/31/2016	0	KPUD
North Bainbridge Well 06	6/30/2016	0	KPUD
North Bainbridge Well 06	7/31/2016	0	KPUD
North Bainbridge Well 06	8/31/2016	0	KPUD
North Bainbridge Well 06	9/30/2016	0	KPUD
North Bainbridge Well 06	10/31/2016	0	KPUD
North Bainbridge Well 06	11/30/2016	0	KPUD
North Bainbridge Well 06	12/31/2016	0	KPUD
North Bainbridge Well 06	1/31/2017	487150	KPUD
North Bainbridge Well 06	2/28/2017	0	KPUD
North Bainbridge Well 06	3/31/2017	550400	KPUD
North Bainbridge Well 06	4/30/2017	442680	KPUD
North Bainbridge Well 06	5/31/2017	1225520	KPUD
North Bainbridge Well 06	6/30/2017	1597380	KPUD
North Bainbridge Well 06	7/31/2017	2867250	KPUD
North Bainbridge Well 06	8/31/2017	2859040	KPUD
North Bainbridge Well 06	9/30/2017	1703690	KPUD
North Bainbridge Well 06	10/31/2017	674580	KPUD
North Bainbridge Well 06	11/30/2017	511040	KPUD
North Bainbridge Well 06	12/31/2017	448030	KPUD
North Bainbridge Well 06	1/31/2018	822510	KPUD
North Bainbridge Well 06	1/31/2019	1307300	KPUD
North Bainbridge Well 06	2/28/2019	459400	KPUD
North Bainbridge Well 06	3/31/2019	2500	KPUD
North Bainbridge Well 06	4/30/2019	1200	KPUD
North Bainbridge Well 06	5/31/2019	0	KPUD
North Bainbridge Well 06	6/30/2019	3000	KPUD
North Bainbridge Well 06	7/31/2019	2018600	KPUD
North Bainbridge Well 06	8/31/2019	2999400	KPUD
North Bainbridge Well 06	9/30/2019	1863600	KPUD
North Bainbridge Well 06	10/31/2019	1288800	KPUD
North Bainbridge Well 06	11/30/2019	1168300	KPUD
North Bainbridge Well 06	12/31/2019	1188700	KPUD
North Bainbridge Well 06	1/31/2020	734600	KPUD

Production Well	Measurement Date	Production Voulme	Technician
North Bainbridge Well 06	2/29/2020	1046700	KPUD
North Bainbridge Well 06	3/31/2020	1264900	KPUD
North Bainbridge Well 06	4/30/2020	1567000	KPUD
North Bainbridge Well 06	5/31/2020	1806400	KPUD
North Bainbridge Well 06	6/30/2020	122100	KPUD
North Bainbridge Well 06	7/31/2020	0	KPUD
North Bainbridge Well 06	8/31/2020	0	KPUD
North Bainbridge Well 06	9/30/2020	0	KPUD
North Bainbridge Well 06	10/31/2020	0	KPUD
North Bainbridge Well 06	11/30/2020	1222400	KPUD
North Bainbridge Well 06	12/31/2020	1335400	KPUD
North Bainbridge Well 06	1/31/2021	1333400	KPUD
North Bainbridge Well 06	2/28/2021	1167500	KPUD
North Bainbridge Well 06	3/31/2021	0	KPUD
North Bainbridge Well 06	4/30/2021	3393800	KPUD
North Bainbridge Well 06	5/31/2021	3020000	KPUD
North Bainbridge Well 06	6/30/2021	2690900	KPUD
North Bainbridge Well 06	7/31/2021	0	KPUD
North Bainbridge Well 06	8/31/2021	0	KPUD
North Bainbridge Well 06	9/30/2021	0	KPUD
North Bainbridge Well 06	10/31/2021	1088800	KPUD
North Bainbridge Well 06	11/30/2021	1045600	KPUD
North Bainbridge Well 06	12/31/2021	1071900	KPUD
North Bainbridge Well 07	3/31/1987	0	KPUD
North Bainbridge Well 07	4/30/1987	94500	KPUD
North Bainbridge Well 07	5/31/1987	523000	KPUD
North Bainbridge Well 07	6/30/1987	4130800	KPUD
North Bainbridge Well 07	7/31/1987	1447000	KPUD
North Bainbridge Well 07	8/31/1987	3025000	KPUD
North Bainbridge Well 07	9/30/1987	883100	KPUD
North Bainbridge Well 07	10/31/1987	0	KPUD
North Bainbridge Well 07	11/30/1987	0	KPUD
North Bainbridge Well 07	12/31/1987	0	KPUD
North Bainbridge Well 07	1/31/1988	0	KPUD
North Bainbridge Well 07	2/29/1988	0	KPUD
North Bainbridge Well 07	3/31/1988	0	KPUD
North Bainbridge Well 07	4/30/1988	0	KPUD
North Bainbridge Well 07	5/31/1988	0	KPUD
North Bainbridge Well 07	6/30/1988	0	KPUD
North Bainbridge Well 07	7/31/1988	3311100	KPUD
North Bainbridge Well 07	8/31/1988	6204800	KPUD
North Bainbridge Well 07	9/30/1988	2937500	KPUD
North Bainbridge Well 07	10/31/1988	132200	KPUD
North Bainbridge Well 07	11/30/1988	892000	KPUD
North Bainbridge Well 07	12/31/1988	211500	KPUD
North Bainbridge Well 07	1/31/1989	226000	KPUD
North Bainbridge Well 07	2/28/1989	1532400	KPUD
North Bainbridge Well 07	3/31/1989	886600	KPUD
North Bainbridge Well 07	4/30/1989	699700	KPUD
North Bainbridge Well 07	5/31/1989	3933600	KPUD
North Bainbridge Well 07	6/30/1989	3398200	KPUD

Production Well	Measurement Date	Production Voulme	Technician
North Bainbridge Well 07	7/31/1989	4596400	KPUD
North Bainbridge Well 07	8/31/1989	7222100	KPUD
North Bainbridge Well 07	9/30/1989	5216400	KPUD
North Bainbridge Well 07	10/31/1989	277400	KPUD
North Bainbridge Well 07	11/30/1989	124900	KPUD
North Bainbridge Well 07	12/31/1989	1190000	KPUD
North Bainbridge Well 07	1/31/1990	1141000	KPUD
North Bainbridge Well 07	2/28/1990	5796500	KPUD
North Bainbridge Well 07	3/31/1990	7049900	KPUD
North Bainbridge Well 07	4/30/1990	7692700	KPUD
North Bainbridge Well 07	5/31/1990	9677600	KPUD
North Bainbridge Well 07	6/30/1990	4569300	KPUD
North Bainbridge Well 07	7/31/1990	6848700	KPUD
North Bainbridge Well 07	8/31/1990	8291500	KPUD
North Bainbridge Well 07	9/30/1990	4998200	KPUD
North Bainbridge Well 07	10/31/1990	934100	KPUD
North Bainbridge Well 07	11/30/1990	1019600	KPUD
North Bainbridge Well 07	12/31/1990	4668000	KPUD
North Bainbridge Well 07	1/31/1991	790300	KPUD
North Bainbridge Well 07	2/28/1991	1183700	KPUD
North Bainbridge Well 07	4/30/1991	0	KPUD
North Bainbridge Well 07	5/31/1991	0	KPUD
North Bainbridge Well 07	6/30/1991	0	KPUD
North Bainbridge Well 07	7/31/1991	0	KPUD
North Bainbridge Well 07	8/31/1991	206160	KPUD
North Bainbridge Well 07	9/30/1991	145440	KPUD
North Bainbridge Well 07	10/31/1991	480	KPUD
North Bainbridge Well 07	11/30/1991	757900	KPUD
North Bainbridge Well 07	12/31/1991	340700	KPUD
North Bainbridge Well 07	1/31/1992	411200	KPUD
North Bainbridge Well 07	2/29/1992	3235400	KPUD
North Bainbridge Well 07	3/31/1992	1740400	KPUD
North Bainbridge Well 07	4/30/1992	3807300	KPUD
North Bainbridge Well 07	5/31/1992	6459500	KPUD
North Bainbridge Well 07	6/30/1992	4247600	KPUD
North Bainbridge Well 07	7/31/1992	6800400	KPUD
North Bainbridge Well 07	8/31/1992	8000000	KPUD
North Bainbridge Well 07	9/30/1992	4374900	KPUD
North Bainbridge Well 07	10/31/1992	4485500	KPUD
North Bainbridge Well 07	11/30/1992	3776500	KPUD
North Bainbridge Well 07	12/31/1992	8607300	KPUD
North Bainbridge Well 07	1/31/1993	3745500	KPUD
North Bainbridge Well 07	2/28/1993	5344000	KPUD
North Bainbridge Well 07	3/31/1993	8051600	KPUD
North Bainbridge Well 07	4/30/1993	4943700	KPUD
North Bainbridge Well 07	5/31/1993	6440200	KPUD
North Bainbridge Well 07	6/30/1993	8421933	KPUD
North Bainbridge Well 07	7/31/1993	4514300	KPUD
North Bainbridge Well 07	8/31/1993	7449800	KPUD
North Bainbridge Well 07	9/30/1993	10034000	KPUD
North Bainbridge Well 07	10/31/1993	6323500	KPUD

Production Well	Measurement Date	Production Voulme	Technician
North Bainbridge Well 07	11/30/1993	2880800	KPUD
North Bainbridge Well 07	12/31/1993	2335400	KPUD
North Bainbridge Well 07	1/31/1994	6168700	KPUD
North Bainbridge Well 07	2/28/1994	7300000	KPUD
North Bainbridge Well 07	3/31/1994	7300000	KPUD
North Bainbridge Well 07	4/30/1994	2980800	KPUD
North Bainbridge Well 07	5/31/1994	7414300	KPUD
North Bainbridge Well 07	6/30/1994	7956000	KPUD
North Bainbridge Well 07	7/31/1994	9195600	KPUD
North Bainbridge Well 07	8/31/1994	8154100	KPUD
North Bainbridge Well 07	9/30/1994	8746300	KPUD
North Bainbridge Well 07	10/31/1994	4521100	KPUD
North Bainbridge Well 07	11/30/1994	2704400	KPUD
North Bainbridge Well 07	12/31/1994	1624800	KPUD
North Bainbridge Well 07	1/31/1995	6000000	KPUD
North Bainbridge Well 07	2/28/1995	6000000	KPUD
North Bainbridge Well 07	3/31/1995	8140000	KPUD
North Bainbridge Well 07	4/30/1995	7612000	KPUD
North Bainbridge Well 07	5/31/1995	4000000	KPUD
North Bainbridge Well 07	6/30/1995	4000000	KPUD
North Bainbridge Well 07	7/31/1995	3967600	KPUD
North Bainbridge Well 07	8/31/1995	3566400	KPUD
North Bainbridge Well 07	9/30/1995	1673000	KPUD
North Bainbridge Well 07	10/31/1995	569000	KPUD
North Bainbridge Well 07	11/30/1995	377800	KPUD
North Bainbridge Well 07	12/31/1995	612200	KPUD
North Bainbridge Well 07	1/31/1996	0	KPUD
North Bainbridge Well 07	2/29/1996	0	KPUD
North Bainbridge Well 07	3/31/1996	0	KPUD
North Bainbridge Well 07	4/30/1996	5000000	KPUD
North Bainbridge Well 07	5/31/1996	0	KPUD
North Bainbridge Well 07	6/30/1996	5936876	KPUD
North Bainbridge Well 07	7/31/1996	0	KPUD
North Bainbridge Well 07	8/31/1996	2992000	KPUD
North Bainbridge Well 07	9/30/1996	3175260	KPUD
North Bainbridge Well 07	10/31/1996	5736412	KPUD
North Bainbridge Well 07	11/30/1996	2984520	KPUD
North Bainbridge Well 07	12/31/1996	2927672	KPUD
North Bainbridge Well 07	1/31/1997	3244824	KPUD
North Bainbridge Well 07	2/28/1997	2692800	KPUD
North Bainbridge Well 07	3/31/1997	2873068	KPUD
North Bainbridge Well 07	4/30/1997	3074280	KPUD
North Bainbridge Well 07	5/31/1997	3752716	KPUD
North Bainbridge Well 07	6/30/1997	4072112	KPUD
North Bainbridge Well 07	7/31/1997	3962156	KPUD
North Bainbridge Well 07	8/31/1997	4766256	KPUD
North Bainbridge Well 07	9/30/1997	3607604	KPUD
North Bainbridge Well 07	10/31/1997	2725712	KPUD
North Bainbridge Well 07	11/30/1997	2647172	KPUD
North Bainbridge Well 07	12/31/1997	2798268	KPUD
North Bainbridge Well 07	1/31/1998	2643432	KPUD

Production Well	Measurement Date	Production Voulme	Technician
North Bainbridge Well 07	2/28/1998	2375648	KPUD
North Bainbridge Well 07	3/31/1998	2594064	KPUD
North Bainbridge Well 07	4/30/1998	2606032	KPUD
North Bainbridge Well 07	5/31/1998	3368992	KPUD
North Bainbridge Well 07	6/30/1998	3573944	KPUD
North Bainbridge Well 07	7/31/1998	4609924	KPUD
North Bainbridge Well 07	8/31/1998	4851528	KPUD
North Bainbridge Well 07	9/30/1998	3927000	KPUD
North Bainbridge Well 07	10/31/1998	2920940	KPUD
North Bainbridge Well 07	11/30/1998	2579852	KPUD
North Bainbridge Well 07	12/31/1998	2602292	KPUD
North Bainbridge Well 07	1/31/1999	2477376	KPUD
North Bainbridge Well 07	2/28/1999	2451944	KPUD
North Bainbridge Well 07	3/31/1999	2547688	KPUD
North Bainbridge Well 07	4/30/1999	2431000	KPUD
North Bainbridge Well 07	5/31/1999	3075028	KPUD
North Bainbridge Well 07	6/30/1999	3624808	KPUD
North Bainbridge Well 07	7/31/1999	3975620	KPUD
North Bainbridge Well 07	8/31/1999	4093056	KPUD
North Bainbridge Well 07	9/30/1999	3972628	KPUD
North Bainbridge Well 07	10/31/1999	2799764	KPUD
North Bainbridge Well 07	11/30/1999	2554420	KPUD
North Bainbridge Well 07	12/31/1999	2530484	KPUD
North Bainbridge Well 07	1/31/2000	2436984	KPUD
North Bainbridge Well 07	2/29/2000	2252228	KPUD
North Bainbridge Well 07	3/31/2000	2574616	KPUD
North Bainbridge Well 07	4/30/2000	2614260	KPUD
North Bainbridge Well 07	5/31/2000	2295612	KPUD
North Bainbridge Well 07	6/30/2000	3013692	KPUD
North Bainbridge Well 07	7/31/2000	5334736	KPUD
North Bainbridge Well 07	8/31/2000	5237496	KPUD
North Bainbridge Well 07	9/30/2000	4010028	KPUD
North Bainbridge Well 07	10/31/2000	2981528	KPUD
North Bainbridge Well 07	11/30/2000	2375648	KPUD
North Bainbridge Well 07	12/31/2000	2590324	KPUD
North Bainbridge Well 07	1/31/2001	2451196	KPUD
North Bainbridge Well 07	2/28/2001	2297108	KPUD
North Bainbridge Well 07	3/31/2001	2524500	KPUD
North Bainbridge Well 07	4/30/2001	2634456	KPUD
North Bainbridge Well 07	5/31/2001	3277736	KPUD
North Bainbridge Well 07	6/30/2001	3475956	KPUD
North Bainbridge Well 07	7/31/2001	5233756	KPUD
North Bainbridge Well 07	8/31/2001	5881524	KPUD
North Bainbridge Well 07	9/30/2001	4290528	KPUD
North Bainbridge Well 07	10/31/2001	2875312	KPUD
North Bainbridge Well 07	11/30/2001	2698784	KPUD
North Bainbridge Well 07	12/31/2001	2772088	KPUD
North Bainbridge Well 07	1/31/2002	2595560	KPUD
North Bainbridge Well 07	2/28/2002	2500564	KPUD
North Bainbridge Well 07	3/31/2002	2767600	KPUD
North Bainbridge Well 07	4/30/2002	2748152	KPUD

Production Well	Measurement Date	Production Voulme	Technician
North Bainbridge Well 07	5/31/2002	3395172	KPUD
North Bainbridge Well 07	6/30/2002	4989908	KPUD
North Bainbridge Well 07	7/31/2002	5541932	KPUD
North Bainbridge Well 07	8/31/2002	5808220	KPUD
North Bainbridge Well 07	9/30/2002	6058052	KPUD
North Bainbridge Well 07	10/31/2002	3145340	KPUD
North Bainbridge Well 07	11/30/2002	2659888	KPUD
North Bainbridge Well 07	12/31/2002	3030896	KPUD
North Bainbridge Well 07	1/31/2003	2837164	KPUD
North Bainbridge Well 07	2/28/2003	3226124	KPUD
North Bainbridge Well 07	3/31/2003	2668116	KPUD
North Bainbridge Well 07	4/30/2003	2790040	KPUD
North Bainbridge Well 07	5/31/2003	3990580	KPUD
North Bainbridge Well 07	6/30/2003	6114900	KPUD
North Bainbridge Well 07	7/31/2003	6673656	KPUD
North Bainbridge Well 07	8/31/2003	8125524	KPUD
North Bainbridge Well 07	9/30/2003	4454340	KPUD
North Bainbridge Well 07	10/31/2003	3229864	KPUD
North Bainbridge Well 07	11/30/2003	2980032	KPUD
North Bainbridge Well 07	12/31/2003	2479620	KPUD
North Bainbridge Well 07	1/31/2004	4036956	KPUD
North Bainbridge Well 07	2/29/2004	4200768	KPUD
North Bainbridge Well 07	3/31/2004	3016684	KPUD
North Bainbridge Well 07	4/30/2004	2888776	KPUD
North Bainbridge Well 07	5/31/2004	3203684	KPUD
North Bainbridge Well 07	6/30/2004	4769996	KPUD
North Bainbridge Well 07	7/31/2004	5648148	KPUD
North Bainbridge Well 07	8/31/2004	4995892	KPUD
North Bainbridge Well 07	9/30/2004	2766852	KPUD
North Bainbridge Well 07	10/31/2004	2794528	KPUD
North Bainbridge Well 07	11/30/2004	418132	KPUD
North Bainbridge Well 07	12/30/2004	2992	KPUD
North Bainbridge Well 07	1/31/2005	1206700	KPUD
North Bainbridge Well 07	2/28/2005	2070300	KPUD
North Bainbridge Well 07	3/30/2005	1945700	KPUD
North Bainbridge Well 07	4/29/2005	1883600	KPUD
North Bainbridge Well 07	5/31/2005	2471400	KPUD
North Bainbridge Well 07	7/1/2005	1792800	KPUD
North Bainbridge Well 07	7/29/2005	3370500	KPUD
North Bainbridge Well 07	8/31/2005	4934200	KPUD
North Bainbridge Well 07	9/30/2005	2855200	KPUD
North Bainbridge Well 07	10/31/2005	1875300	KPUD
North Bainbridge Well 07	11/30/2005	1738800	KPUD
North Bainbridge Well 07	12/29/2005	989900	KPUD
North Bainbridge Well 07	1/31/2006	2100000	KPUD
North Bainbridge Well 07	2/28/2006	1607600	KPUD
North Bainbridge Well 07	3/31/2006	1791800	KPUD
North Bainbridge Well 07	4/30/2006	0	KPUD
North Bainbridge Well 07	5/31/2006	0	KPUD
North Bainbridge Well 07	6/30/2006	0	KPUD
North Bainbridge Well 07	7/31/2006	0	KPUD

Production Well	Measurement Date	Production Voulme	Technician
North Bainbridge Well 07	8/31/2006	0	KPUD
North Bainbridge Well 07	9/30/2006	0	KPUD
North Bainbridge Well 07	10/31/2006	2317100	KPUD
North Bainbridge Well 07	11/30/2006	1535600	KPUD
North Bainbridge Well 07	12/31/2006	1996400	KPUD
North Bainbridge Well 07	1/31/2007	1939800	KPUD
North Bainbridge Well 07	2/28/2007	1525000	KPUD
North Bainbridge Well 07	3/31/2007	1738200	KPUD
North Bainbridge Well 07	4/30/2007	1895900	KPUD
North Bainbridge Well 07	5/31/2007	2601200	KPUD
North Bainbridge Well 07	6/30/2007	3034900	KPUD
North Bainbridge Well 07	7/31/2007	4244400	KPUD
North Bainbridge Well 07	8/31/2007	3814400	KPUD
North Bainbridge Well 07	9/30/2007	2895000	KPUD
North Bainbridge Well 07	10/31/2007	1882800	KPUD
North Bainbridge Well 07	11/30/2007	4357100	KPUD
North Bainbridge Well 07	12/31/2007	1939000	KPUD
North Bainbridge Well 07	1/31/2008	1899300	KPUD
North Bainbridge Well 07	2/29/2008	1976900	KPUD
North Bainbridge Well 07	3/31/2008	2020200	KPUD
North Bainbridge Well 07	4/30/2008	1787900	KPUD
North Bainbridge Well 07	5/31/2008	2634100	KPUD
North Bainbridge Well 07	6/30/2008	3458400	KPUD
North Bainbridge Well 07	7/31/2008	5539200	KPUD
North Bainbridge Well 07	8/31/2008	4294600	KPUD
North Bainbridge Well 07	9/30/2008	3402000	KPUD
North Bainbridge Well 07	10/31/2008	2098000	KPUD
North Bainbridge Well 07	11/30/2008	2098600	KPUD
North Bainbridge Well 07	12/31/2008	2231500	KPUD
North Bainbridge Well 07	1/31/2009	2013400	KPUD
North Bainbridge Well 07	2/28/2009	2000000	KPUD
North Bainbridge Well 07	3/31/2009	1891500	KPUD
North Bainbridge Well 07	4/30/2009	1965700	KPUD
North Bainbridge Well 07	5/31/2009	2524700	KPUD
North Bainbridge Well 07	6/30/2009	4526100	KPUD
North Bainbridge Well 07	7/31/2009	5653500	KPUD
North Bainbridge Well 07	8/31/2009	4659500	KPUD
North Bainbridge Well 07	9/30/2009	3090500	KPUD
North Bainbridge Well 07	10/31/2009	2283700	KPUD
North Bainbridge Well 07	11/30/2009	1924800	KPUD
North Bainbridge Well 07	12/31/2009	2066300	KPUD
North Bainbridge Well 07	1/31/2010	1898400	KPUD
North Bainbridge Well 07	2/28/2010	1762700	KPUD
North Bainbridge Well 07	3/31/2010	1814300	KPUD
North Bainbridge Well 07	4/30/2010	1597600	KPUD
North Bainbridge Well 07	5/31/2010	100	KPUD
North Bainbridge Well 07	6/30/2010	2338000	KPUD
North Bainbridge Well 07	7/31/2010	5147800	KPUD
North Bainbridge Well 07	8/31/2010	5084000	KPUD
North Bainbridge Well 07	9/30/2010	3083800	KPUD
North Bainbridge Well 07	10/31/2010	2462100	KPUD

Production Well	Measurement Date	Production Voulme	Technician
North Bainbridge Well 07	11/30/2010	2373600	KPUD
North Bainbridge Well 07	12/31/2010	2436100	KPUD
North Bainbridge Well 07	1/31/2011	2330800	KPUD
North Bainbridge Well 07	2/28/2011	2017200	KPUD
North Bainbridge Well 07	3/31/2011	2115800	KPUD
North Bainbridge Well 07	4/30/2011	2125500	KPUD
North Bainbridge Well 07	5/31/2011	2395300	KPUD
North Bainbridge Well 07	6/30/2011	2997400	KPUD
North Bainbridge Well 07	7/31/2011	4035800	KPUD
North Bainbridge Well 07	8/31/2011	4664100	KPUD
North Bainbridge Well 07	9/30/2011	3934100	KPUD
North Bainbridge Well 07	10/31/2011	2879300	KPUD
North Bainbridge Well 07	11/30/2011	2143000	KPUD
North Bainbridge Well 07	12/31/2011	2128900	KPUD
North Bainbridge Well 07	1/31/2012	2124100	KPUD
North Bainbridge Well 07	2/29/2012	1929100	KPUD
North Bainbridge Well 07	3/31/2012	2211100	KPUD
North Bainbridge Well 07	4/30/2012	2294500	KPUD
North Bainbridge Well 07	5/31/2012	2935200	KPUD
North Bainbridge Well 07	6/30/2012	2692800	KPUD
North Bainbridge Well 07	7/31/2012	3643700	KPUD
North Bainbridge Well 07	8/31/2012	5195100	KPUD
North Bainbridge Well 07	9/30/2012	4298600	KPUD
North Bainbridge Well 07	10/31/2012	3018400	KPUD
North Bainbridge Well 07	11/30/2012	2116100	KPUD
North Bainbridge Well 07	12/31/2012	2099400	KPUD
North Bainbridge Well 07	1/31/2013	2040000	KPUD
North Bainbridge Well 07	2/28/2013	1780300	KPUD
North Bainbridge Well 07	3/31/2013	2374900	KPUD
North Bainbridge Well 07	4/30/2013	2140000	KPUD
North Bainbridge Well 07	5/31/2013	3314600	KPUD
North Bainbridge Well 07	6/30/2013	7246200	KPUD
North Bainbridge Well 07	7/31/2013	8919500	KPUD
North Bainbridge Well 07	8/31/2013	5982700	KPUD
North Bainbridge Well 07	9/30/2013	3099000	KPUD
North Bainbridge Well 07	10/31/2013	2606100	KPUD
North Bainbridge Well 07	11/30/2013	2384500	KPUD
North Bainbridge Well 07	12/31/2013	2483500	KPUD
North Bainbridge Well 07	1/31/2014	2363300	KPUD
North Bainbridge Well 07	2/28/2014	2113100	KPUD
North Bainbridge Well 07	3/31/2014	2585200	KPUD
North Bainbridge Well 07	4/30/2014	2782800	KPUD
North Bainbridge Well 07	5/31/2014	3552800	KPUD
North Bainbridge Well 07	6/30/2014	4374000	KPUD
North Bainbridge Well 07	7/31/2014	6160700	KPUD
North Bainbridge Well 07	8/31/2014	5888200	KPUD
North Bainbridge Well 07	9/30/2014	3969600	KPUD
North Bainbridge Well 07	10/31/2014	2853100	KPUD
North Bainbridge Well 07	11/30/2014	2150900	KPUD
North Bainbridge Well 07	12/31/2014	2634000	KPUD
North Bainbridge Well 07	1/31/2015	2334800	KPUD

Production Well	Measurement Date	Production Voulme	Technician
North Bainbridge Well 07	2/28/2015	0	KPUD
North Bainbridge Well 07	3/31/2015	0	KPUD
North Bainbridge Well 07	4/30/2015	0	KPUD
North Bainbridge Well 07	5/31/2015	3609000	KPUD
North Bainbridge Well 07	6/30/2015	5500300	KPUD
North Bainbridge Well 07	7/31/2015	6778000	KPUD
North Bainbridge Well 07	8/31/2015	5601100	KPUD
North Bainbridge Well 07	9/30/2015	3028800	KPUD
North Bainbridge Well 07	10/31/2015	2415800	KPUD
North Bainbridge Well 07	11/30/2015	2109500	KPUD
North Bainbridge Well 07	12/31/2015	2213500	KPUD
North Bainbridge Well 07	1/31/2016	2474400	KPUD
North Bainbridge Well 07	2/29/2016	1906000	KPUD
North Bainbridge Well 07	3/31/2016	2105900	KPUD
North Bainbridge Well 07	4/30/2016	2321200	KPUD
North Bainbridge Well 07	5/31/2016	3648300	KPUD
North Bainbridge Well 07	6/30/2016	4476400	KPUD
North Bainbridge Well 07	7/31/2016	5307800	KPUD
North Bainbridge Well 07	8/31/2016	5916300	KPUD
North Bainbridge Well 07	9/30/2016	3658700	KPUD
North Bainbridge Well 07	10/31/2016	2340800	KPUD
North Bainbridge Well 07	11/30/2016	2022500	KPUD
North Bainbridge Well 07	12/31/2016	2202500	KPUD
North Bainbridge Well 07	1/31/2017	3854600	KPUD
North Bainbridge Well 07	2/28/2017	0	KPUD
North Bainbridge Well 07	3/31/2017	5616200	KPUD
North Bainbridge Well 07	4/30/2017	4839500	KPUD
North Bainbridge Well 07	5/31/2017	2841300	KPUD
North Bainbridge Well 07	6/30/2017	4074800	KPUD
North Bainbridge Well 07	7/31/2017	6214900	KPUD
North Bainbridge Well 07	8/31/2017	6357200	KPUD
North Bainbridge Well 07	9/30/2017	4477500	KPUD
North Bainbridge Well 07	10/31/2017	2675000	KPUD
North Bainbridge Well 07	11/30/2017	2247400	KPUD
North Bainbridge Well 07	12/31/2017	2272300	KPUD
North Bainbridge Well 07	1/31/2018	2190400	KPUD
North Bainbridge Well 07	2/28/2018	1901500	KPUD
North Bainbridge Well 07	3/31/2018	2265200	KPUD
North Bainbridge Well 07	4/30/2018	2183500	KPUD
North Bainbridge Well 07	5/31/2018	3781000	KPUD
North Bainbridge Well 07	6/30/2018	4451400	KPUD
North Bainbridge Well 07	7/31/2018	6684900	KPUD
North Bainbridge Well 07	8/31/2018	6305700	KPUD
North Bainbridge Well 07	9/30/2018	3992200	KPUD
North Bainbridge Well 07	10/31/2018	2589700	KPUD
North Bainbridge Well 07	11/30/2018	2244800	KPUD
North Bainbridge Well 07	12/31/2018	2313200	KPUD
North Bainbridge Well 07	1/31/2019	2278800	KPUD
North Bainbridge Well 07	2/28/2019	2231500	KPUD
North Bainbridge Well 07	3/31/2019	2318200	KPUD
North Bainbridge Well 07	4/30/2019	2405500	KPUD

Production Well	Measurement Date	Production Voulme	Technician
North Bainbridge Well 07	5/31/2019	3992000	KPUD
North Bainbridge Well 07	6/30/2019	4926500	KPUD
North Bainbridge Well 07	7/31/2019	5173900	KPUD
North Bainbridge Well 07	8/31/2019	5177800	KPUD
North Bainbridge Well 07	9/30/2019	3224100	KPUD
North Bainbridge Well 07	10/31/2019	2241500	KPUD
North Bainbridge Well 07	11/30/2019	2039300	KPUD
North Bainbridge Well 07	12/31/2019	2075600	KPUD
North Bainbridge Well 07	1/31/2020	2145300	KPUD
North Bainbridge Well 07	2/29/2020	1827000	KPUD
North Bainbridge Well 07	3/31/2020	2208700	KPUD
North Bainbridge Well 07	4/30/2020	2759800	KPUD
North Bainbridge Well 07	5/31/2020	3495600	KPUD
North Bainbridge Well 07	6/30/2020	3462200	KPUD
North Bainbridge Well 07	7/31/2020	5216500	KPUD
North Bainbridge Well 07	8/31/2020	5725300	KPUD
North Bainbridge Well 07	9/30/2020	4638000	KPUD
North Bainbridge Well 07	10/31/2020	2621600	KPUD
North Bainbridge Well 07	11/30/2020	2445900	KPUD
North Bainbridge Well 07	12/31/2020	2337600	KPUD
North Bainbridge Well 07	1/31/2021	2337000	KPUD
North Bainbridge Well 07	2/28/2021	2051200	KPUD
North Bainbridge Well 07	3/31/2021	0	KPUD
North Bainbridge Well 07	4/30/2021	6876900	KPUD
North Bainbridge Well 07	5/31/2021	5407200	KPUD
North Bainbridge Well 07	6/30/2021	5657400	KPUD
North Bainbridge Well 07	7/31/2021	7683100	KPUD
North Bainbridge Well 07	8/31/2021	5784200	KPUD
North Bainbridge Well 07	9/30/2021	3811000	KPUD
North Bainbridge Well 07	10/31/2021	2614100	KPUD
North Bainbridge Well 07	11/30/2021	1885800	KPUD
North Bainbridge Well 07	12/31/2021	2017600	KPUD
North Bainbridge Well 08	12/31/1986	0	KPUD
North Bainbridge Well 08	1/31/1987	0	KPUD
North Bainbridge Well 08	2/28/1987	60	KPUD
North Bainbridge Well 08	3/31/1987	50	KPUD
North Bainbridge Well 08	4/30/1987	1008880	KPUD
North Bainbridge Well 08	5/31/1987	1266640	KPUD
North Bainbridge Well 08	6/30/1987	1054020	KPUD
North Bainbridge Well 08	7/31/1987	306690	KPUD
North Bainbridge Well 08	8/31/1987	141630	KPUD
North Bainbridge Well 08	9/30/1987	10	KPUD
North Bainbridge Well 08	10/31/1987	0	KPUD
North Bainbridge Well 08	11/30/1987	0	KPUD
North Bainbridge Well 08	12/31/1987	0	KPUD
North Bainbridge Well 08	1/31/1988	0	KPUD
North Bainbridge Well 08	2/29/1988	808230	KPUD
North Bainbridge Well 08	3/31/1988	0	KPUD
North Bainbridge Well 08	4/30/1988	0	KPUD
North Bainbridge Well 08	5/31/1988	0	KPUD
North Bainbridge Well 08	6/30/1988	1240350	KPUD

Production Well	Measurement Date	Production Voulme	Technician
North Bainbridge Well 08	7/31/1988	3991275	KPUD
North Bainbridge Well 08	8/31/1988	436830	KPUD
North Bainbridge Well 08	9/30/1988	7151175	KPUD
North Bainbridge Well 08	10/31/1988	824040	KPUD
North Bainbridge Well 08	11/30/1988	421730	KPUD
North Bainbridge Well 08	12/31/1988	563184	KPUD
North Bainbridge Well 08	1/31/1989	608879	KPUD
North Bainbridge Well 08	2/28/1989	515626	KPUD
North Bainbridge Well 08	3/31/1989	317481	KPUD
North Bainbridge Well 08	4/30/1989	282430	KPUD
North Bainbridge Well 08	5/31/1989	0	KPUD
North Bainbridge Well 08	6/30/1989	377875	KPUD
North Bainbridge Well 08	7/31/1989	0	KPUD
North Bainbridge Well 08	8/31/1989	611527	KPUD
North Bainbridge Well 08	9/30/1989	590389	KPUD
North Bainbridge Well 08	10/31/1989	462982	KPUD
North Bainbridge Well 08	11/30/1989	628365	KPUD
North Bainbridge Well 08	12/31/1989	5565	KPUD
North Bainbridge Well 08	1/31/1990	592580	KPUD
North Bainbridge Well 08	2/28/1990	34610	KPUD
North Bainbridge Well 08	3/31/1990	0	KPUD
North Bainbridge Well 08	4/30/1990	0	KPUD
North Bainbridge Well 08	5/31/1990	0	KPUD
North Bainbridge Well 08	6/30/1990	2274	KPUD
North Bainbridge Well 08	7/31/1990	239001	KPUD
North Bainbridge Well 08	8/31/1990	22896	KPUD
North Bainbridge Well 08	9/30/1990	6635	KPUD
North Bainbridge Well 08	10/31/1990	0	KPUD
North Bainbridge Well 08	11/30/1990	0	KPUD
North Bainbridge Well 08	12/31/1990	107107	KPUD
North Bainbridge Well 08	9/30/1991	4922	KPUD
North Bainbridge Well 08	10/31/1991	5460	KPUD
North Bainbridge Well 08	11/30/1991	6627	KPUD
North Bainbridge Well 08	12/31/1991	9051	KPUD
North Bainbridge Well 08	1/31/1992	5790	KPUD
North Bainbridge Well 08	2/29/1992	10584	KPUD
North Bainbridge Well 08	3/31/1992	4421	KPUD
North Bainbridge Well 08	4/30/1992	6283	KPUD
North Bainbridge Well 08	5/31/1992	5012	KPUD
North Bainbridge Well 08	6/30/1992	6000	KPUD
North Bainbridge Well 08	7/31/1992	7000	KPUD
North Bainbridge Well 08	8/31/1992	8782	KPUD
North Bainbridge Well 08	9/30/1992	3314	KPUD
North Bainbridge Well 08	10/31/1992	5797	KPUD
North Bainbridge Well 08	11/30/1992	6732	KPUD
North Bainbridge Well 08	12/31/1992	8482	KPUD
North Bainbridge Well 08	1/31/1993	3261	KPUD
North Bainbridge Well 08	2/28/1993	6979	KPUD
North Bainbridge Well 08	3/31/1993	7876	KPUD
North Bainbridge Well 08	4/30/1993	4017	KPUD
North Bainbridge Well 08	5/31/1993	6283	KPUD

Production Well	Measurement Date	Production Voulme	Technician
North Bainbridge Well 08	6/30/1993	8415	KPUD
North Bainbridge Well 08	7/31/1993	3710	KPUD
North Bainbridge Well 08	8/31/1993	5603	KPUD
North Bainbridge Well 08	9/30/1993	8101	KPUD
North Bainbridge Well 08	10/31/1993	4391	KPUD
North Bainbridge Well 08	11/30/1993	7465	KPUD
North Bainbridge Well 08	12/31/1993	7428	KPUD
North Bainbridge Well 08	1/31/1994	5393	KPUD
North Bainbridge Well 08	2/28/1994	4000	KPUD
North Bainbridge Well 08	3/31/1994	4000	KPUD
North Bainbridge Well 08	4/30/1994	3306	KPUD
North Bainbridge Well 08	5/31/1994	6508	KPUD
North Bainbridge Well 08	6/30/1994	1735	KPUD
North Bainbridge Well 08	7/31/1994	1511	KPUD
North Bainbridge Well 08	1/31/2001	8916	KPUD
North Bainbridge Well 08	2/28/2001	9238	KPUD
North Bainbridge Well 08	3/31/2001	6612	KPUD
North Bainbridge Well 08	4/30/2001	3762	KPUD
North Bainbridge Well 08	5/31/2001	7323	KPUD
North Bainbridge Well 08	6/30/2001	2184	KPUD
North Bainbridge Well 08	7/31/2001	415133	KPUD
North Bainbridge Well 08	8/31/2001	262466	KPUD
North Bainbridge Well 08	9/30/2001	691369	KPUD
North Bainbridge Well 08	10/31/2001	22388	KPUD
North Bainbridge Well 08	11/30/2001	3897	KPUD
North Bainbridge Well 08	12/31/2001	4510	KPUD
North Bainbridge Well 08	1/31/2002	4832	KPUD
North Bainbridge Well 08	2/28/2002	232276	KPUD
North Bainbridge Well 08	4/30/2002	0	KPUD
North Bainbridge Well 08	5/31/2002	0	KPUD
North Bainbridge Well 08	6/30/2002	0	KPUD
North Bainbridge Well 08	7/31/2002	0	KPUD
North Bainbridge Well 08	8/31/2002	0	KPUD
North Bainbridge Well 08	9/30/2002	0	KPUD
North Bainbridge Well 08	10/31/2002	0	KPUD
North Bainbridge Well 08	11/30/2002	0	KPUD
North Bainbridge Well 08	12/31/2002	0	KPUD
North Bainbridge Well 08	1/31/2003	0	KPUD
North Bainbridge Well 08	2/28/2003	0	KPUD
North Bainbridge Well 08	3/31/2003	0	KPUD
North Bainbridge Well 08	4/30/2003	0	KPUD
North Bainbridge Well 08	5/31/2003	0	KPUD
North Bainbridge Well 08	6/30/2003	0	KPUD
North Bainbridge Well 08	7/31/2003	0	KPUD
North Bainbridge Well 08	9/4/2003	536107	KPUD
North Bainbridge Well 08	9/19/2003	582714	KPUD
North Bainbridge Well 08	10/30/2003	2207	KPUD
North Bainbridge Well 08	11/30/2003	0	KPUD
North Bainbridge Well 08	12/31/2003	0	KPUD
North Bainbridge Well 08	1/31/2004	479131	KPUD
North Bainbridge Well 08	2/29/2004	0	KPUD

Production Well	Measurement Date	Production Voulme	Technician
North Bainbridge Well 08	3/31/2004	0	KPUD
North Bainbridge Well 08	4/30/2004	0	KPUD
North Bainbridge Well 08	5/31/2004	0	KPUD
North Bainbridge Well 08	6/30/2004	1820707	KPUD
North Bainbridge Well 08	8/2/2004	2250994	KPUD
North Bainbridge Well 08	9/30/2004	0	KPUD
North Bainbridge Well 08	10/31/2004	0	KPUD
North Bainbridge Well 08	11/30/2004	0	KPUD
North Bainbridge Well 08	12/31/2004	0	KPUD
North Bainbridge Well 08	1/31/2005	0	KPUD
North Bainbridge Well 08	2/28/2005	0	KPUD
North Bainbridge Well 08	3/31/2005	0	KPUD
North Bainbridge Well 08	4/30/2005	0	KPUD
North Bainbridge Well 08	5/31/2005	0	KPUD
North Bainbridge Well 08	6/30/2005	0	KPUD
North Bainbridge Well 08	7/31/2005	0	KPUD
North Bainbridge Well 08	8/31/2005	0	KPUD
North Bainbridge Well 08	9/30/2005	0	KPUD
North Bainbridge Well 08	10/31/2005	0	KPUD
North Bainbridge Well 08	11/30/2005	0	KPUD
North Bainbridge Well 08	12/31/2005	0	KPUD
North Bainbridge Well 08	1/31/2006	0	KPUD
North Bainbridge Well 08	2/28/2006	0	KPUD
North Bainbridge Well 08	3/31/2006	0	KPUD
North Bainbridge Well 08	4/30/2006	0	KPUD
North Bainbridge Well 08	5/31/2006	0	KPUD
North Bainbridge Well 08	6/30/2006	0	KPUD
North Bainbridge Well 08	7/31/2006	0	KPUD
North Bainbridge Well 08	8/31/2006	0	KPUD
North Bainbridge Well 08	9/30/2006	0	KPUD
North Bainbridge Well 08	10/31/2006	0	KPUD
North Bainbridge Well 08	11/30/2006	0	KPUD
North Bainbridge Well 08	12/31/2006	0	KPUD
North Bainbridge Well 09	11/30/1994	4222000	KPUD
North Bainbridge Well 09	12/31/1994	6417000	KPUD
North Bainbridge Well 09	1/31/1995	3455000	KPUD
North Bainbridge Well 09	2/28/1995	3244000	KPUD
North Bainbridge Well 09	3/31/1995	7112000	KPUD
North Bainbridge Well 09	4/30/1995	6037000	KPUD
North Bainbridge Well 09	5/31/1995	11182000	KPUD
North Bainbridge Well 09	6/30/1995	3325000	KPUD
North Bainbridge Well 09	7/31/1995	16730000	KPUD
North Bainbridge Well 09	8/31/1995	9276000	KPUD
North Bainbridge Well 09	9/30/1995	5559000	KPUD
North Bainbridge Well 09	10/31/1995	7712000	KPUD
North Bainbridge Well 09	11/30/1995	7717000	KPUD
North Bainbridge Well 09	12/31/1995	7463000	KPUD
North Bainbridge Well 09	1/31/1996	8877000	KPUD
North Bainbridge Well 09	2/29/1996	7051000	KPUD
North Bainbridge Well 09	3/31/1996	7356000	KPUD
North Bainbridge Well 09	4/30/1996	6633000	KPUD

Production Well	Measurement Date	Production Voulme	Technician
North Bainbridge Well 09	5/31/1996	9386000	KPUD
North Bainbridge Well 09	6/30/1996	10060000	KPUD
North Bainbridge Well 09	7/31/1996	11109000	KPUD
North Bainbridge Well 09	8/31/1996	11890000	KPUD
North Bainbridge Well 09	9/30/1996	5300000	KPUD
North Bainbridge Well 09	10/31/1996	1970000	KPUD
North Bainbridge Well 09	11/30/1996	4338000	KPUD
North Bainbridge Well 09	12/31/1996	4593000	KPUD
North Bainbridge Well 09	1/31/1997	5132000	KPUD
North Bainbridge Well 09	2/28/1997	4412000	KPUD
North Bainbridge Well 09	3/31/1997	4910000	KPUD
North Bainbridge Well 09	4/30/1997	5108000	KPUD
North Bainbridge Well 09	5/31/1997	6527000	KPUD
North Bainbridge Well 09	6/30/1997	6667000	KPUD
North Bainbridge Well 09	7/31/1997	6951000	KPUD
North Bainbridge Well 09	8/31/1997	8347000	KPUD
North Bainbridge Well 09	9/30/1997	6005000	KPUD
North Bainbridge Well 09	10/31/1997	4714000	KPUD
North Bainbridge Well 09	11/30/1997	4581000	KPUD
North Bainbridge Well 09	12/31/1997	4831000	KPUD
North Bainbridge Well 09	1/31/1998	4560000	KPUD
North Bainbridge Well 09	2/28/1998	4564000	KPUD
North Bainbridge Well 09	3/31/1998	5659000	KPUD
North Bainbridge Well 09	4/30/1998	5827000	KPUD
North Bainbridge Well 09	5/31/1998	7196000	KPUD
North Bainbridge Well 09	6/30/1998	8313000	KPUD
North Bainbridge Well 09	7/31/1998	10229000	KPUD
North Bainbridge Well 09	8/31/1998	10495000	KPUD
North Bainbridge Well 09	9/30/1998	8478000	KPUD
North Bainbridge Well 09	10/31/1998	6298000	KPUD
North Bainbridge Well 09	11/30/1998	5561000	KPUD
North Bainbridge Well 09	12/31/1998	5600000	KPUD
North Bainbridge Well 09	1/31/1999	5322000	KPUD
North Bainbridge Well 09	2/28/1999	5258000	KPUD
North Bainbridge Well 09	3/31/1999	5420000	KPUD
North Bainbridge Well 09	4/30/1999	5426000	KPUD
North Bainbridge Well 09	5/31/1999	6938000	KPUD
North Bainbridge Well 09	6/30/1999	8180000	KPUD
North Bainbridge Well 09	7/31/1999	8989000	KPUD
North Bainbridge Well 09	8/31/1999	9193000	KPUD
North Bainbridge Well 09	9/30/1999	8925000	KPUD
North Bainbridge Well 09	10/31/1999	6471000	KPUD
North Bainbridge Well 09	11/30/1999	5201000	KPUD
North Bainbridge Well 09	12/31/1999	5688000	KPUD
North Bainbridge Well 09	1/31/2000	5492000	KPUD
North Bainbridge Well 09	2/29/2000	5073000	KPUD
North Bainbridge Well 09	3/31/2000	5801000	KPUD
North Bainbridge Well 09	4/30/2000	5860000	KPUD
North Bainbridge Well 09	5/31/2000	7414000	KPUD
North Bainbridge Well 09	6/30/2000	8882000	KPUD
North Bainbridge Well 09	7/31/2000	11711000	KPUD

Production Well	Measurement Date	Production Voulme	Technician
North Bainbridge Well 09	8/31/2000	11583000	KPUD
North Bainbridge Well 09	9/30/2000	8892000	KPUD
North Bainbridge Well 09	10/31/2000	6592000	KPUD
North Bainbridge Well 09	11/30/2000	5252000	KPUD
North Bainbridge Well 09	12/31/2000	5692000	KPUD
North Bainbridge Well 09	1/31/2001	5268000	KPUD
North Bainbridge Well 09	2/28/2001	4543000	KPUD
North Bainbridge Well 09	3/31/2001	5204000	KPUD
North Bainbridge Well 09	4/30/2001	5626000	KPUD
North Bainbridge Well 09	5/31/2001	6974000	KPUD
North Bainbridge Well 09	6/30/2001	7443000	KPUD
North Bainbridge Well 09	7/31/2001	8177000	KPUD
North Bainbridge Well 09	8/31/2001	7076000	KPUD
North Bainbridge Well 09	9/30/2001	5209000	KPUD
North Bainbridge Well 09	10/31/2001	5578000	KPUD
North Bainbridge Well 09	11/30/2001	5076000	KPUD
North Bainbridge Well 09	12/31/2001	5229000	KPUD
North Bainbridge Well 09	1/31/2002	4849000	KPUD
North Bainbridge Well 09	2/28/2002	4691000	KPUD
North Bainbridge Well 09	3/31/2002	4787000	KPUD
North Bainbridge Well 09	4/30/2002	5151000	KPUD
North Bainbridge Well 09	5/31/2002	6479000	KPUD
North Bainbridge Well 09	6/30/2002	9635000	KPUD
North Bainbridge Well 09	7/31/2002	10548000	KPUD
North Bainbridge Well 09	8/31/2002	11982000	KPUD
North Bainbridge Well 09	9/30/2002	10070000	KPUD
North Bainbridge Well 09	10/31/2002	5881000	KPUD
North Bainbridge Well 09	11/30/2002	4982000	KPUD
North Bainbridge Well 09	12/31/2002	5713000	KPUD
North Bainbridge Well 09	1/31/2003	5316000	KPUD
North Bainbridge Well 09	2/28/2003	10932000	KPUD
North Bainbridge Well 09	3/31/2003	5000000	KPUD
North Bainbridge Well 09	4/30/2003	5115000	KPUD
North Bainbridge Well 09	5/31/2003	7297000	KPUD
North Bainbridge Well 09	6/30/2003	11096000	KPUD
North Bainbridge Well 09	7/31/2003	11501000	KPUD
North Bainbridge Well 09	8/31/2003	14016000	KPUD
North Bainbridge Well 09	9/30/2003	8666000	KPUD
North Bainbridge Well 09	10/31/2003	6191000	KPUD
North Bainbridge Well 09	11/30/2003	5773000	KPUD
North Bainbridge Well 09	12/31/2003	4809000	KPUD
North Bainbridge Well 09	1/31/2004	2579000	KPUD
North Bainbridge Well 09	2/29/2004	899000	KPUD
North Bainbridge Well 09	3/31/2004	5377000	KPUD
North Bainbridge Well 09	4/30/2004	5674000	KPUD
North Bainbridge Well 09	5/31/2004	6322000	KPUD
North Bainbridge Well 09	6/30/2004	10050000	KPUD
North Bainbridge Well 09	7/31/2004	12209000	KPUD
North Bainbridge Well 09	8/31/2004	9218000	KPUD
North Bainbridge Well 09	9/30/2004	5590000	KPUD
North Bainbridge Well 09	10/31/2004	5537000	KPUD

Production Well	Measurement Date	Production Voulme	Technician
North Bainbridge Well 09	11/30/2004	4376000	KPUD
North Bainbridge Well 09	12/30/2004	4361000	KPUD
North Bainbridge Well 09	1/31/2005	5616000	KPUD
North Bainbridge Well 09	2/28/2005	4283700	KPUD
North Bainbridge Well 09	3/30/2005	4216200	KPUD
North Bainbridge Well 09	4/29/2005	4109200	KPUD
North Bainbridge Well 09	5/31/2005	5409900	KPUD
North Bainbridge Well 09	6/30/2005	5200000	KPUD
North Bainbridge Well 09	7/31/2005	8280700	KPUD
North Bainbridge Well 09	8/31/2005	10781100	KPUD
North Bainbridge Well 09	9/30/2005	6312100	KPUD
North Bainbridge Well 09	10/31/2005	4072700	KPUD
North Bainbridge Well 09	11/30/2005	3639200	KPUD
North Bainbridge Well 09	12/31/2005	3731100	KPUD
North Bainbridge Well 09	1/31/2006	3820500	KPUD
North Bainbridge Well 09	2/28/2006	3384800	KPUD
North Bainbridge Well 09	3/31/2006	4032100	KPUD
North Bainbridge Well 09	4/30/2006	0	KPUD
North Bainbridge Well 09	5/31/2006	0	KPUD
North Bainbridge Well 09	6/30/2006	0	KPUD
North Bainbridge Well 09	7/31/2006	0	KPUD
North Bainbridge Well 09	8/31/2006	0	KPUD
North Bainbridge Well 09	9/30/2006	0	KPUD
North Bainbridge Well 09	10/31/2006	4751300	KPUD
North Bainbridge Well 09	11/30/2006	3527400	KPUD
North Bainbridge Well 09	12/31/2006	4117900	KPUD
North Bainbridge Well 09	1/31/2007	4225500	KPUD
North Bainbridge Well 09	2/28/2007	3565600	KPUD
North Bainbridge Well 09	3/31/2007	3637900	KPUD
North Bainbridge Well 09	4/30/2007	4084200	KPUD
North Bainbridge Well 09	5/31/2007	6042900	KPUD
North Bainbridge Well 09	6/30/2007	7032500	KPUD
North Bainbridge Well 09	7/31/2007	9555900	KPUD
North Bainbridge Well 09	8/31/2007	8009200	KPUD
North Bainbridge Well 09	9/30/2007	6017500	KPUD
North Bainbridge Well 09	10/31/2007	3881800	KPUD
North Bainbridge Well 09	11/30/2007	3817700	KPUD
North Bainbridge Well 09	12/31/2007	4082700	KPUD
North Bainbridge Well 09	1/31/2008	3961400	KPUD
North Bainbridge Well 09	2/29/2008	4018000	KPUD
North Bainbridge Well 09	3/31/2008	4188000	KPUD
North Bainbridge Well 09	4/30/2008	3799200	KPUD
North Bainbridge Well 09	5/31/2008	5435300	KPUD
North Bainbridge Well 09	6/30/2008	6893700	KPUD
North Bainbridge Well 09	7/31/2008	10735100	KPUD
North Bainbridge Well 09	8/31/2008	8148800	KPUD
North Bainbridge Well 09	9/30/2008	6333200	KPUD
North Bainbridge Well 09	10/31/2008	3990200	KPUD
North Bainbridge Well 09	11/30/2008	4008200	KPUD
North Bainbridge Well 09	12/31/2008	4331700	KPUD
North Bainbridge Well 09	1/31/2009	3870400	KPUD

Production Well	Measurement Date	Production Voulme	Technician
North Bainbridge Well 09	2/28/2009	3525800	KPUD
North Bainbridge Well 09	3/31/2009	3801900	KPUD
North Bainbridge Well 09	4/30/2009	4069600	KPUD
North Bainbridge Well 09	5/31/2009	5357400	KPUD
North Bainbridge Well 09	6/30/2009	9363900	KPUD
North Bainbridge Well 09	7/31/2009	11624600	KPUD
North Bainbridge Well 09	8/31/2009	9422300	KPUD
North Bainbridge Well 09	9/30/2009	6292800	KPUD
North Bainbridge Well 09	10/31/2009	4553100	KPUD
North Bainbridge Well 09	11/30/2009	3896900	KPUD
North Bainbridge Well 09	12/31/2009	4079300	KPUD
North Bainbridge Well 09	1/31/2010	4028700	KPUD
North Bainbridge Well 09	2/28/2010	4067000	KPUD
North Bainbridge Well 09	3/31/2010	4225000	KPUD
North Bainbridge Well 09	4/30/2010	4648000	KPUD
North Bainbridge Well 09	5/31/2010	6403600	KPUD
North Bainbridge Well 09	6/30/2010	5377400	KPUD
North Bainbridge Well 09	7/31/2010	9245700	KPUD
North Bainbridge Well 09	8/31/2010	9002800	KPUD
North Bainbridge Well 09	9/30/2010	5377600	KPUD
North Bainbridge Well 09	10/31/2010	4304300	KPUD
North Bainbridge Well 09	11/30/2010	4176400	KPUD
North Bainbridge Well 09	12/31/2010	4306300	KPUD
North Bainbridge Well 09	1/31/2011	4121200	KPUD
North Bainbridge Well 09	2/28/2011	3704300	KPUD
North Bainbridge Well 09	3/31/2011	4017000	KPUD
North Bainbridge Well 09	4/30/2011	4066400	KPUD
North Bainbridge Well 09	5/31/2011	4617400	KPUD
North Bainbridge Well 09	6/30/2011	5816500	KPUD
North Bainbridge Well 09	7/31/2011	7858700	KPUD
North Bainbridge Well 09	8/31/2011	9091800	KPUD
North Bainbridge Well 09	9/30/2011	7573600	KPUD
North Bainbridge Well 09	10/31/2011	4436700	KPUD
North Bainbridge Well 09	11/30/2011	4019400	KPUD
North Bainbridge Well 09	12/31/2011	4122400	KPUD
North Bainbridge Well 09	1/31/2012	4116500	KPUD
North Bainbridge Well 09	2/29/2012	3742700	KPUD
North Bainbridge Well 09	3/31/2012	4322000	KPUD
North Bainbridge Well 09	4/30/2012	4518300	KPUD
North Bainbridge Well 09	5/31/2012	5825100	KPUD
North Bainbridge Well 09	6/30/2012	5355400	KPUD
North Bainbridge Well 09	7/31/2012	7325600	KPUD
North Bainbridge Well 09	8/31/2012	10486400	KPUD
North Bainbridge Well 09	9/30/2012	8505200	KPUD
North Bainbridge Well 09	10/31/2012	5769900	KPUD
North Bainbridge Well 09	11/30/2012	4078900	KPUD
North Bainbridge Well 09	12/31/2012	4053900	KPUD
North Bainbridge Well 09	1/31/2013	3943500	KPUD
North Bainbridge Well 09	2/28/2013	3458100	KPUD
North Bainbridge Well 09	3/31/2013	4693900	KPUD
North Bainbridge Well 09	4/30/2013	4216800	KPUD

Production Well	Measurement Date	Production Voulme	Technician
North Bainbridge Well 09	5/31/2013	6560700	KPUD
North Bainbridge Well 09	6/30/2013	5037900	KPUD
North Bainbridge Well 09	7/31/2013	12591700	KPUD
North Bainbridge Well 09	8/31/2013	9919300	KPUD
North Bainbridge Well 09	9/30/2013	5342100	KPUD
North Bainbridge Well 09	10/31/2013	4528000	KPUD
North Bainbridge Well 09	11/30/2013	4184400	KPUD
North Bainbridge Well 09	12/31/2013	4387500	KPUD
North Bainbridge Well 09	1/31/2014	4178800	KPUD
North Bainbridge Well 09	2/28/2014	3756200	KPUD
North Bainbridge Well 09	3/31/2014	4586300	KPUD
North Bainbridge Well 09	4/30/2014	4958200	KPUD
North Bainbridge Well 09	5/31/2014	6409200	KPUD
North Bainbridge Well 09	6/30/2014	8192600	KPUD
North Bainbridge Well 09	7/31/2014	11490000	KPUD
North Bainbridge Well 09	8/31/2014	10923200	KPUD
North Bainbridge Well 09	9/30/2014	7335300	KPUD
North Bainbridge Well 09	10/31/2014	5262100	KPUD
North Bainbridge Well 09	11/30/2014	3990900	KPUD
North Bainbridge Well 09	12/31/2014	4957200	KPUD
North Bainbridge Well 09	1/31/2015	4378200	KPUD
North Bainbridge Well 09	2/28/2015	0	KPUD
North Bainbridge Well 09	3/31/2015	0	KPUD
North Bainbridge Well 09	4/30/2015	0	KPUD
North Bainbridge Well 09	5/31/2015	6981000	KPUD
North Bainbridge Well 09	6/30/2015	10721400	KPUD
North Bainbridge Well 09	7/31/2015	12894200	KPUD
North Bainbridge Well 09	8/31/2015	10368600	KPUD
North Bainbridge Well 09	9/30/2015	5434300	KPUD
North Bainbridge Well 09	10/31/2015	4451500	KPUD
North Bainbridge Well 09	11/30/2015	3937200	KPUD
North Bainbridge Well 09	12/31/2015	4316100	KPUD
North Bainbridge Well 09	1/31/2016	4592100	KPUD
North Bainbridge Well 09	2/29/2016	3595100	KPUD
North Bainbridge Well 09	3/31/2016	4002100	KPUD
North Bainbridge Well 09	4/30/2016	4461400	KPUD
North Bainbridge Well 09	5/31/2016	7048200	KPUD
North Bainbridge Well 09	6/30/2016	8627900	KPUD
North Bainbridge Well 09	7/31/2016	10188800	KPUD
North Bainbridge Well 09	8/31/2016	11211900	KPUD
North Bainbridge Well 09	9/30/2016	6806700	KPUD
North Bainbridge Well 09	10/31/2016	4380500	KPUD
North Bainbridge Well 09	11/30/2016	3780700	KPUD
North Bainbridge Well 09	12/31/2016	4132900	KPUD
North Bainbridge Well 09	1/31/2017	2272200	KPUD
North Bainbridge Well 09	2/28/2017	0	KPUD
North Bainbridge Well 09	3/31/2017	0	KPUD
North Bainbridge Well 09	4/30/2017	764800	KPUD
North Bainbridge Well 09	5/31/2017	5331400	KPUD
North Bainbridge Well 09	6/30/2017	7657200	KPUD
North Bainbridge Well 09	7/31/2017	11709900	KPUD

Production Well	Measurement Date	Production Voulme	Technician
North Bainbridge Well 09	8/31/2017	11912700	KPUD
North Bainbridge Well 09	9/30/2017	8283500	KPUD
North Bainbridge Well 09	10/31/2017	4921500	KPUD
North Bainbridge Well 09	11/30/2017	4156100	KPUD
North Bainbridge Well 09	12/31/2017	4203300	KPUD
North Bainbridge Well 09	1/31/2018	4053800	KPUD
North Bainbridge Well 09	2/28/2018	3505100	KPUD
North Bainbridge Well 09	3/31/2018	4202600	KPUD
North Bainbridge Well 09	4/30/2018	4210700	KPUD
North Bainbridge Well 09	5/31/2018	7653900	KPUD
North Bainbridge Well 09	6/30/2018	8907400	KPUD
North Bainbridge Well 09	7/31/2018	13240800	KPUD
North Bainbridge Well 09	8/31/2018	12210600	KPUD
North Bainbridge Well 09	9/30/2018	7957000	KPUD
North Bainbridge Well 09	10/31/2018	4677400	KPUD
North Bainbridge Well 09	11/30/2018	4343500	KPUD
North Bainbridge Well 09	12/31/2018	4504500	KPUD
North Bainbridge Well 09	1/31/2019	4468000	KPUD
North Bainbridge Well 09	2/28/2019	4402300	KPUD
North Bainbridge Well 09	3/31/2019	4597500	KPUD
North Bainbridge Well 09	4/30/2019	4785000	KPUD
North Bainbridge Well 09	5/31/2019	7994900	KPUD
North Bainbridge Well 09	6/30/2019	9897300	KPUD
North Bainbridge Well 09	7/31/2019	10219800	KPUD
North Bainbridge Well 09	8/31/2019	10152600	KPUD
North Bainbridge Well 09	9/30/2019	6263600	KPUD
North Bainbridge Well 09	10/31/2019	4373700	KPUD
North Bainbridge Well 09	11/30/2019	3997100	KPUD
North Bainbridge Well 09	12/31/2019	4098500	KPUD
North Bainbridge Well 09	1/31/2020	4235800	KPUD
North Bainbridge Well 09	2/29/2020	3631200	KPUD
North Bainbridge Well 09	3/31/2020	4406200	KPUD
North Bainbridge Well 09	4/30/2020	5471800	KPUD
North Bainbridge Well 09	5/31/2020	6951000	KPUD
North Bainbridge Well 09	6/30/2020	6968500	KPUD
North Bainbridge Well 09	7/31/2020	10609300	KPUD
North Bainbridge Well 09	8/31/2020	11545100	KPUD
North Bainbridge Well 09	9/30/2020	9279100	KPUD
North Bainbridge Well 09	10/31/2020	5217500	KPUD
North Bainbridge Well 09	11/30/2020	4845900	KPUD
North Bainbridge Well 09	12/31/2020	4605900	KPUD
North Bainbridge Well 09	1/31/2021	4619200	KPUD
North Bainbridge Well 09	2/28/2021	4060700	KPUD
North Bainbridge Well 09	3/31/2021	0	KPUD
North Bainbridge Well 09	4/30/2021	7364700	KPUD
North Bainbridge Well 09	5/31/2021	0	KPUD
North Bainbridge Well 09	6/30/2021	6641000	KPUD
North Bainbridge Well 09	7/31/2021	15907500	KPUD
North Bainbridge Well 09	8/31/2021	12287400	KPUD
North Bainbridge Well 09	9/30/2021	8881400	KPUD
North Bainbridge Well 09	10/31/2021	5768600	KPUD

Production Well	Measurement Date	Production Voulme	Technician
North Bainbridge Well 09	11/30/2021	4349200	KPUD
North Bainbridge Well 09	12/31/2021	4453300	KPUD
North Bainbridge Well 10	2/28/2005	0	KPUD
North Bainbridge Well 10	3/30/2005	0	KPUD
North Bainbridge Well 10	4/30/2005	0	KPUD
North Bainbridge Well 10	5/31/2005	0	KPUD
North Bainbridge Well 10	6/30/2005	0	KPUD
North Bainbridge Well 10	7/31/2005	0	KPUD
North Bainbridge Well 10	8/31/2005	0	KPUD
North Bainbridge Well 10	9/30/2005	0	KPUD
North Bainbridge Well 10	10/31/2005	0	KPUD
North Bainbridge Well 10	11/30/2005	0	KPUD
North Bainbridge Well 10	12/31/2005	0	KPUD
North Bainbridge Well 10	1/31/2006	0	KPUD
North Bainbridge Well 10	2/28/2006	0	KPUD
North Bainbridge Well 10	3/31/2006	0	KPUD
North Bainbridge Well 10	4/30/2006	0	KPUD
North Bainbridge Well 10	5/31/2006	0	KPUD
North Bainbridge Well 10	6/30/2006	0	KPUD
North Bainbridge Well 10	7/31/2006	0	KPUD
North Bainbridge Well 10	8/31/2006	0	KPUD
North Bainbridge Well 10	9/30/2006	0	KPUD
North Bainbridge Well 10	10/31/2006	0	KPUD
North Bainbridge Well 10	11/30/2006	0	KPUD
North Bainbridge Well 10	12/31/2006	0	KPUD
North Bainbridge Well 10	1/31/2007	0	KPUD
North Bainbridge Well 10	2/28/2007	0	KPUD
North Bainbridge Well 10	3/31/2007	0	KPUD
North Bainbridge Well 10	4/30/2007	0	KPUD
North Bainbridge Well 10	5/31/2007	0	KPUD
North Bainbridge Well 10	6/30/2007	0	KPUD
North Bainbridge Well 10	7/31/2007	0	KPUD
North Bainbridge Well 10	8/31/2007	0	KPUD
North Bainbridge Well 10	9/30/2007	0	KPUD
North Bainbridge Well 10	10/31/2007	0	KPUD
North Bainbridge Well 10	11/30/2007	0	KPUD
North Bainbridge Well 10	12/31/2007	0	KPUD
North Bainbridge Well 10	1/31/2008	0	KPUD
North Bainbridge Well 10	2/29/2008	0	KPUD
North Bainbridge Well 10	3/31/2008	0	KPUD
North Bainbridge Well 10	4/30/2008	0	KPUD
North Bainbridge Well 10	5/31/2008	0	KPUD
North Bainbridge Well 10	6/30/2008	0	KPUD
North Bainbridge Well 10	7/31/2008	0	KPUD
North Bainbridge Well 10	8/31/2008	0	KPUD
North Bainbridge Well 10	9/30/2008	0	KPUD
North Bainbridge Well 10	10/31/2008	0	KPUD
North Bainbridge Well 10	11/30/2008	0	KPUD
North Bainbridge Well 10	12/31/2008	0	KPUD
North Bainbridge Well 10	1/31/2009	0	KPUD
North Bainbridge Well 10	2/28/2009	0	KPUD

Production Well	Measurement Date	Production Voulme	Technician
North Bainbridge Well 10	3/31/2009	0	KPUD
North Bainbridge Well 10	4/30/2009	0	KPUD
North Bainbridge Well 10	5/31/2009	0	KPUD
North Bainbridge Well 10	7/31/2009	2297800	KPUD
North Bainbridge Well 10	8/31/2009	1193000	KPUD
North Bainbridge Well 10	9/30/2009	145100	KPUD
North Bainbridge Well 10	10/31/2009	0	KPUD
North Bainbridge Well 10	11/30/2009	1600	KPUD
North Bainbridge Well 10	12/31/2009	0	KPUD
North Bainbridge Well 10	1/31/2010	0	KPUD
North Bainbridge Well 10	2/28/2010	0	KPUD
North Bainbridge Well 10	3/31/2010	0	KPUD
North Bainbridge Well 10	4/30/2010	0	KPUD
North Bainbridge Well 10	5/31/2010	0	KPUD
North Bainbridge Well 10	6/30/2010	0	KPUD
North Bainbridge Well 10	7/31/2010	1666200	KPUD
North Bainbridge Well 10	8/31/2010	1551600	KPUD
North Bainbridge Well 10	9/30/2010	18700	KPUD
North Bainbridge Well 10	10/31/2010	39900	KPUD
North Bainbridge Well 10	11/30/2010	0	KPUD
North Bainbridge Well 10	12/31/2010	0	KPUD
North Bainbridge Well 10	1/31/2011	0	KPUD
North Bainbridge Well 10	2/28/2011	0	KPUD
North Bainbridge Well 10	3/31/2011	0	KPUD
North Bainbridge Well 10	4/30/2011	0	KPUD
North Bainbridge Well 10	5/31/2011	0	KPUD
North Bainbridge Well 10	6/30/2011	7400	KPUD
North Bainbridge Well 10	7/31/2011	561700	KPUD
North Bainbridge Well 10	8/31/2011	1280800	KPUD
North Bainbridge Well 10	9/30/2011	492500	KPUD
North Bainbridge Well 10	10/31/2011	0	KPUD
North Bainbridge Well 10	11/30/2011	0	KPUD
North Bainbridge Well 10	12/31/2011	2736	KPUD
North Bainbridge Well 10	1/31/2012	0	KPUD
North Bainbridge Well 10	2/29/2012	0	KPUD
North Bainbridge Well 10	3/31/2012	0	KPUD
North Bainbridge Well 10	4/30/2012	0	KPUD
North Bainbridge Well 10	5/31/2012	3300	KPUD
North Bainbridge Well 10	6/30/2012	0	KPUD
North Bainbridge Well 10	7/31/2012	1368	KPUD
North Bainbridge Well 10	8/31/2012	8892	KPUD
North Bainbridge Well 10	9/30/2012	0	KPUD
North Bainbridge Well 10	10/31/2012	0	KPUD
North Bainbridge Well 10	11/30/2012	0	KPUD
North Bainbridge Well 10	12/31/2012	0	KPUD
North Bainbridge Well 10	1/31/2013	0	KPUD
North Bainbridge Well 10	2/28/2013	0	KPUD
North Bainbridge Well 10	3/31/2013	0	KPUD
North Bainbridge Well 10	4/30/2013	0	KPUD
North Bainbridge Well 10	5/31/2013	0	KPUD
North Bainbridge Well 10	6/30/2013	759240	KPUD

Production Well	Measurement Date	Production Voulme	Technician
North Bainbridge Well 10	7/31/2013	0	KPUD
North Bainbridge Well 10	8/31/2013	0	KPUD
North Bainbridge Well 10	9/30/2013	0	KPUD
North Bainbridge Well 10	10/31/2013	0	KPUD
North Bainbridge Well 10	11/30/2013	0	KPUD
North Bainbridge Well 10	12/31/2013	0	KPUD
North Bainbridge Well 10	1/31/2014	0	KPUD
North Bainbridge Well 10	2/28/2014	0	KPUD
North Bainbridge Well 10	3/31/2014	0	KPUD
North Bainbridge Well 10	4/30/2014	684	KPUD
North Bainbridge Well 10	5/31/2014	0	KPUD
North Bainbridge Well 10	6/30/2014	0	KPUD
North Bainbridge Well 10	7/31/2014	554040	KPUD
North Bainbridge Well 10	8/31/2014	80028	KPUD
North Bainbridge Well 10	9/30/2014	17100	KPUD
North Bainbridge Well 10	10/31/2014	171000	KPUD
North Bainbridge Well 10	11/30/2014	0	KPUD
North Bainbridge Well 10	12/31/2014	2052	KPUD
North Bainbridge Well 10	1/31/2015	0	KPUD
North Bainbridge Well 10	2/28/2015	0	KPUD
North Bainbridge Well 10	3/31/2015	0	KPUD
North Bainbridge Well 10	4/30/2015	0	KPUD
North Bainbridge Well 10	5/31/2015	0	KPUD
North Bainbridge Well 10	6/30/2015	1391256	KPUD
North Bainbridge Well 10	7/31/2015	1791500	KPUD
North Bainbridge Well 10	8/31/2015	893400	KPUD
North Bainbridge Well 10	9/30/2015	0	KPUD
North Bainbridge Well 10	10/31/2015	0	KPUD
North Bainbridge Well 10	11/30/2015	0	KPUD
North Bainbridge Well 10	12/31/2015	0	KPUD
North Bainbridge Well 10	1/31/2016	0	KPUD
North Bainbridge Well 10	2/29/2016	0	KPUD
North Bainbridge Well 10	3/31/2016	0	KPUD
North Bainbridge Well 10	4/30/2016	0	KPUD
North Bainbridge Well 10	5/31/2016	0	KPUD
North Bainbridge Well 10	6/30/2016	95700	KPUD
North Bainbridge Well 10	7/31/2016	455000	KPUD
North Bainbridge Well 10	8/31/2016	1055400	KPUD
North Bainbridge Well 10	9/30/2016	171600	KPUD
North Bainbridge Well 10	10/31/2016	0	KPUD
North Bainbridge Well 10	11/30/2016	0	KPUD
North Bainbridge Well 10	12/31/2016	0	KPUD
North Bainbridge Well 10	1/31/2017	0	KPUD
North Bainbridge Well 10	2/28/2017	0	KPUD
North Bainbridge Well 10	3/31/2017	0	KPUD
North Bainbridge Well 10	4/30/2017	0	KPUD
North Bainbridge Well 10	5/31/2017	0	KPUD
North Bainbridge Well 10	6/30/2017	273200	KPUD
North Bainbridge Well 10	7/31/2017	823700	KPUD
North Bainbridge Well 10	2/28/2018	0	KPUD
North Bainbridge Well 10	3/31/2018	0	KPUD

Production Well	Measurement Date	Production Voulme	Technician
North Bainbridge Well 10	4/30/2018	0	KPUD
North Bainbridge Well 10	5/31/2018	0	KPUD
North Bainbridge Well 10	6/30/2018	1544000	KPUD
North Bainbridge Well 10	7/31/2018	1599300	KPUD
North Bainbridge Well 10	8/31/2018	979100	KPUD
North Bainbridge Well 10	9/30/2018	395600	KPUD
North Bainbridge Well 10	10/31/2018	0	KPUD
North Bainbridge Well 10	11/30/2018	0	KPUD
North Bainbridge Well 10	12/31/2018	0	KPUD
North Bainbridge Well 10	1/31/2019	0	KPUD
North Bainbridge Well 10	2/28/2019	0	KPUD
North Bainbridge Well 10	3/31/2019	0	KPUD
North Bainbridge Well 10	4/30/2019	0	KPUD
North Bainbridge Well 10	5/31/2019	63500	KPUD
North Bainbridge Well 10	6/30/2019	308200	KPUD
North Bainbridge Well 10	7/31/2019	520400	KPUD
North Bainbridge Well 10	8/31/2019	391100	KPUD
North Bainbridge Well 10	9/30/2019	71280	KPUD
North Bainbridge Well 10	10/31/2019	0	KPUD
North Bainbridge Well 10	11/30/2019	0	KPUD
North Bainbridge Well 10	12/31/2019	0	KPUD
North Bainbridge Well 10	1/31/2020	0	KPUD
North Bainbridge Well 10	2/29/2020	0	KPUD
North Bainbridge Well 10	3/31/2020	0	KPUD
North Bainbridge Well 10	4/30/2020	0	KPUD
North Bainbridge Well 10	5/31/2020	4037100	KPUD
North Bainbridge Well 10	6/30/2020	53400	KPUD
North Bainbridge Well 10	7/31/2020	465300	KPUD
North Bainbridge Well 10	8/31/2020	1022900	KPUD
North Bainbridge Well 10	9/30/2020	585200	KPUD
North Bainbridge Well 10	10/31/2020	0	KPUD
North Bainbridge Well 10	11/30/2020	0	KPUD
North Bainbridge Well 10	12/31/2020	0	KPUD
North Bainbridge Well 10	1/31/2021	0	KPUD
North Bainbridge Well 10	2/28/2021	0	KPUD
North Bainbridge Well 10	3/31/2021	0	KPUD
North Bainbridge Well 10	4/30/2021	541200	KPUD
North Bainbridge Well 10	5/31/2021	325800	KPUD
North Bainbridge Well 10	6/30/2021	4151700	KPUD
North Bainbridge Well 10	7/31/2021	1952100	KPUD
North Bainbridge Well 10	8/31/2021	1207500	KPUD
North Bainbridge Well 10	9/30/2021	654800	KPUD
North Bainbridge Well 10	10/31/2021	0	KPUD
North Bainbridge Well 10	11/30/2021	0	KPUD
North Bainbridge Well 10	12/31/2021	0	KPUD
Sands Road 1	7/15/2001	2488079.166	not specified
Sands Road 1	8/15/2001	2597788.254	not specified
Sands Road 1	9/15/2001	2519762.394	not specified
Sands Road 1	10/15/2001	1861980.75	not specified
Sands Road 1	11/15/2001	1387678.098	not specified
Sands Road 1	12/15/2001	732000	not specified

Production Well	Measurement Date	Production Voulme	Technician
Sands Road 1	1/15/2002	767000	not specified
Sands Road 1	2/15/2002	1304000	not specified
Sands Road 1	3/15/2002	1083000	not specified
Sands Road 1	4/15/2002	1703000	not specified
Sands Road 1	5/15/2002	1229000	not specified
Sands Road 1	6/15/2002	2195000	not specified
Sands Road 1	7/15/2002	1973000	not specified
Sands Road 1	8/15/2002	1974000	not specified
Sands Road 1	9/15/2002	2078000	not specified
Sands Road 1	10/15/2002	1367000	not specified
Sands Road 1	11/15/2002	1367000	not specified
Sands Road 1	12/15/2002	1006000	not specified
Sands Road 1	1/15/2003	1119000	not specified
Sands Road 1	2/15/2003	1069000	not specified
Sands Road 1	3/15/2003	1050000	not specified
Sands Road 1	4/15/2003	889000	not specified
Sands Road 1	5/15/2003	1332000	not specified
Sands Road 1	6/15/2003	1712000	not specified
Sands Road 1	7/15/2003	1595417.6	not specified
Sands Road 1	8/15/2003	2019399.178	not specified
Sands Road 1	9/15/2003	1733605.899	not specified
Sands Road 1	10/15/2003	1147285.3	not specified
Sands Road 1	11/15/2003	909233.7408	not specified
Sands Road 1	12/15/2003	854130.8944	not specified
Sands Road 1	1/15/2004	911282.9824	not specified
Sands Road 1	2/15/2004	867379.296	not specified
Sands Road 1	3/15/2004	915925.248	not specified
Sands Road 1	4/15/2004	1006486.813	not specified
Sands Road 1	5/15/2004	1249166.318	not specified
Sands Road 1	6/15/2004	1365121.15	not specified
Sands Road 1	7/15/2004	1691155.066	not specified
Sands Road 1	8/15/2004	1817092.194	not specified
Sands Road 1	9/15/2004	1501231.245	not specified
Sands Road 1	10/15/2004	904757.56	not specified
Sands Road 1	11/15/2004	573000	not specified
Sands Road 1	12/17/2004	998000	COBI-PW
Sands Road 1	1/13/2005	696000	COBI-PW
Sands Road 1	2/15/2005	513000	COBI-PW
Sands Road 1	3/17/2005	10000	COBI-PW
Sands Road 1	4/15/2005	720000	COBI-PW
Sands Road 1	5/17/2005	3141000	COBI-PW
Sands Road 1	6/16/2005	4359000	COBI-PW
Sands Road 1	7/15/2005	5013000	COBI-PW
Sands Road 1	8/16/2005	8038000	COBI-PW
Sands Road 1	9/13/2005	6072000	COBI-PW
Sands Road 1	10/18/2005	3833000	COBI-PW
Sands Road 1	11/16/2005	3851000	COBI-PW
Sands Road 1	12/15/2005	3642000	COBI-PW
Sands Road 1	1/12/2006	3221000	COBI-PW
Sands Road 1	2/15/2006	4245000	COBI-PW
Sands Road 1	3/16/2006	3528000	COBI-PW

Production Well	Measurement Date	Production Voulme	Technician
Sands Road 1	4/17/2006	5344000	COBI-PW
Sands Road 1	5/16/2006	6687000	COBI-PW
Sands Road 1	6/15/2006	6323000	COBI-PW
Sands Road 1	7/13/2006	6355000	COBI-PW
Sands Road 1	8/17/2006	8906000	COBI-PW
Sands Road 1	9/14/2006	6633000	COBI-PW
Sands Road 1	10/12/2006	4418000	COBI-PW
Sands Road 1	11/14/2006	5442000	COBI-PW
Sands Road 1	12/14/2006	3440000	COBI-PW
Sands Road 1	1/18/2007	3559000	COBI-PW
Sands Road 1	2/14/2007	2807000	COBI-PW
Sands Road 1	3/12/2007	677000	COBI-PW
Sands Road 1	4/17/2007	4580000	COBI-PW
Sands Road 1	5/16/2007	3889000	COBI-PW
Sands Road 1	6/14/2007	4927000	COBI-PW
Sands Road 1	7/17/2007	0	COBI-PW
Sands Road 1	8/14/2007	13168000	COBI-PW
Sands Road 1	9/18/2007	7062000	COBI-PW
Sands Road 1	10/17/2007	3609000	COBI-PW
Sands Road 1	11/19/2007	3624000	COBI-PW
Sands Road 1	12/18/2007	3049000	COBI-PW
Sands Road 1	1/16/2008	3671000	COBI-PW
Sands Road 1	2/14/2008	4092000	COBI-PW
Sands Road 1	3/12/2008	3361000	COBI-PW
Sands Road 1	4/15/2008	4622000	COBI-PW
Sands Road 1	5/19/2008	4953000	COBI-PW
Sands Road 1	6/17/2008	4889000	COBI-PW
Sands Road 1	7/18/2008	6363000	COBI-PW
Sands Road 1	8/14/2008	5792000	COBI-PW
Sands Road 1	9/16/2008	5337000	COBI-PW
Sands Road 1	1/15/2009	2926176	COBI-PW
Sands Road 1	2/11/2009	2274828	COBI-PW
Sands Road 1	3/13/2009	1657710	COBI-PW
Sands Road 1	4/15/2009	3365298	COBI-PW
Sands Road 1	5/14/2009	0	COBI-PW
Sands Road 1	6/17/2009	10100784	COBI-PW
Sands Road 1	7/15/2009	5301738	COBI-PW
Sands Road 1	8/13/2009	6578028	COBI-PW
Sands Road 1	9/15/2009	5014206	COBI-PW
Sands Road 1	10/14/2009	3228378	COBI-PW
Sands Road 1	11/17/2009	3488526	COBI-PW
Sands Road 1	12/16/2009	2634732	COBI-PW
Sands Road 1	1/15/2010	2685556	COBI-PW
Sands Road 1	2/18/2010	1815601	COBI-PW
Sands Road 1	3/16/2010	2201920	COBI-PW
Sands Road 1	4/14/2010	767723	COBI-PW
Sands Road 1	5/13/2010	2524344	COBI-PW
Sands Road 1	6/23/2010	5100787	COBI-PW
Sands Road 1	7/13/2010	2621661	COBI-PW
Sands Road 1	8/20/2010	6994045	COBI-PW
Sands Road 1	9/15/2010	3880884	COBI-PW

Production Well	Measurement Date	Production Voulme	Technician
Sands Road 1	10/15/2010	3153464	COBI-PW
Sands Road 1	11/12/2010	3000116	COBI-PW
Sands Road 1	12/15/2010	1874581	COBI-PW
Sands Road 1	1/18/2011	3439386	COBI-PW
Sands Road 1	2/22/2011	3138219	COBI-PW
Sands Road 1	3/15/2011	1191915	COBI-PW
Sands Road 1	4/19/2011	2707560	COBI-PW
Sands Road 1	5/17/2011	1880577	COBI-PW
Sands Road 1	6/15/2011	4104504	COBI-PW
Sands Road 1	7/20/2011	5645655	COBI-PW
Sands Road 1	8/18/2011	5525973	COBI-PW
Sands Road 1	9/14/2011	5001138	COBI-PW
Sands Road 1	10/20/2011	5518125	COBI-PW
Sands Road 1	11/16/2011	3090150	COBI-PW
Sands Road 1	12/16/2011	3249072	COBI-PW
Sands Road 1	1/12/2012	3077397	COBI-PW
Sands Road 1	2/15/2012	3713085	COBI-PW
Sands Road 1	3/19/2012	1768743	COBI-PW
Sands Road 1	4/17/2012	2829204	COBI-PW
Sands Road 1	5/10/2012	1576467	COBI-PW
Sands Road 1	6/19/2012	4205547	COBI-PW
Sands Road 1	7/18/2012	3988746	COBI-PW
Sands Road 1	8/20/2012	5602491	COBI-PW
Sands Road 1	9/18/2012	4844178	COBI-PW
Sands Road 1	10/16/2012	5136516	COBI-PW
Sands Road 1	11/14/2012	3276540	COBI-PW
Sands Road 1	12/20/2012	3985803	COBI-PW
Sands Road 1	1/17/2013	2783097	COBI-PW
Sands Road 1	2/12/2013	2463291	COBI-PW
Sands Road 1	3/19/2013	4182984	COBI-PW
Sands Road 1	4/15/2013	5103162	COBI-PW
Sands Road 1	5/15/2013	4588137	COBI-PW
Sands Road 1	6/19/2013	6654123	COBI-PW
Sands Road 1	7/19/2013	6520707	COBI-PW
Sands Road 1	8/16/2013	5443569	COBI-PW
Sands Road 1	9/19/2013	4750983	COBI-PW
Sands Road 1	10/25/2013	2681073	COBI-PW
Sands Road 1	11/21/2013	898596	COBI-PW
Sands Road 1	12/12/2013	1165428	COBI-PW
Sands Road 1	1/21/2014	3742195	COBI-PW
Sands Road 1	2/21/2014	3135245	COBI-PW
Sands Road 1	3/20/2014	2431780	COBI-PW
Sands Road 1	4/22/2014	3540210	COBI-PW
Sands Road 1	5/19/2014	3207880	COBI-PW
Sands Road 1	6/17/2014	5462550	COBI-PW
Sands Road 1	7/16/2014	5737170	COBI-PW
Sands Road 1	8/26/2014	7839605	COBI-PW
Sands Road 1	9/18/2014	3584985	COBI-PW
Sands Road 1	10/15/2014	3949155	COBI-PW
Sands Road 1	11/19/2014	4461580	COBI-PW
Sands Road 1	12/22/2014	2234770	COBI-PW

Production Well	Measurement Date	Production Voulme	Technician
Sands Road 1	1/15/2015	2483520	COBI-PW
Sands Road 1	2/17/2015	740280	COBI-PW
Sands Road 1	3/16/2015	3205890	COBI-PW
Sands Road 1	4/21/2015	3996915	COBI-PW
Sands Road 1	5/21/2015	3112360	COBI-PW
Sands Road 1	6/23/2015	5479465	COBI-PW
Sands Road 1	7/16/2015	5379965	COBI-PW
Sands Road 1	8/17/2015	7101315	COBI-PW
Sands Road 1	9/21/2015	5436680	COBI-PW
Sands Road 1	10/14/2015	1395985	COBI-PW
Sands Road 1	11/20/2015	61690	COBI-PW
Sands Road 1	12/21/2015	0	COBI-PW
Sands Road 1	1/26/2016	0	COBI-PW
Sands Road 1	2/24/2016	0	COBI-PW
Sands Road 1	3/21/2016	15920	COBI-PW
Sands Road 1	4/25/2016	298500	COBI-PW
Sands Road 1	5/18/2016	4619785	COBI-PW
Sands Road 1	6/22/2016	5905325	COBI-PW
Sands Road 1	7/20/2016	5827715	COBI-PW
Sands Road 1	8/15/2016	5663540	COBI-PW
Sands Road 1	10/3/2016	8158005	COBI-PW
Sands Road 1	10/26/2016	2750180	COBI-PW
Sands Road 1	11/30/2016	3694435	COBI-PW
Sands Road 1	12/29/2016	2499440	COBI-PW
Sands Road 1	1/24/2017	2172085	COBI-PW
Sands Road 1	2/23/2017	2282530	COBI-PW
Sands Road 1	3/23/2017	1412900	COBI-PW
Sands Road 1	4/19/2017	1438770	COBI-PW
Sands Road 1	5/22/2017	679585	COBI-PW
Sands Road 1	6/23/2017	3113355	COBI-PW
Sands Road 1	7/18/2017	5112310	COBI-PW
Sands Road 1	8/15/2017	5988905	COBI-PW
Sands Road 1	9/20/2017	7825675	COBI-PW
Sands Road 1	10/18/2017	4075520	COBI-PW
Sands Road 1	11/22/2017	3937215	COBI-PW
Sands Road 1	12/14/2017	2706400	COBI-PW
Sands Road 1	1/22/2018	4309345	COBI-PW
Sands Road 1	2/13/2018	2439740	COBI-PW
Sands Road 1	3/19/2018	2502425	COBI-PW
Sands Road 1	4/18/2018	1660655	COBI-PW
Sands Road 1	5/17/2018	3985970	COBI-PW
Sands Road 1	6/14/2018	4622770	COBI-PW
Sands Road 1	7/19/2018	7559015	COBI-PW
Sands Road 1	8/16/2018	7078430	COBI-PW
Sands Road 1	9/15/2018	0	COBI-PW
Sands Road 1	10/17/2018	9587820	COBI-PW
Sands Road 1	11/14/2018	2357155	COBI-PW
Sands Road 1	12/17/2018	2831770	COBI-PW
Sands Road 1	1/16/2019	1031000	COBI-PW
Sands Road 1	2/21/2019	3260000	COBI-PW
Sands Road 1	3/18/2019	3094000	COBI-PW

Production Well	Measurement Date	Production Voulme	Technician
Sands Road 1	4/16/2019	3426000	COBI-PW
Sands Road 1	5/16/2019	4706000	COBI-PW
Sands Road 1	6/18/2019	6332000	COBI-PW
Sands Road 1	7/17/2019	6177000	COBI-PW
Sands Road 1	8/16/2019	6686000	COBI-PW
Sands Road 1	9/20/2019	7194000	COBI-PW
Sands Road 1	10/16/2019	3316000	COBI-PW
Sands Road 1	11/18/2019	3629000	COBI-PW
Sands Road 1	12/16/2019	2756000	COBI-PW
Sands Road 1	1/16/2020	4075000	COBI-PW
Sands Road 1	2/19/2020	3631000	COBI-PW
Sands Road 1	3/17/2020	2659000	COBI-PW
Sands Road 1	4/20/2020	4194000	COBI-PW
Sands Road 1	5/19/2020	3639000	COBI-PW
Sands Road 1	6/17/2020	5195000	COBI-PW
Sands Road 1	7/16/2020	5505000	COBI-PW
Sands Road 1	8/18/2020	7807000	COBI-PW
Sands Road 1	9/17/2020	6315000	COBI-PW
Sands Road 1	10/16/2020	4172000	COBI-PW
Sands Road 1	11/19/2020	4537000	COBI-PW
Sands Road 1	12/17/2020	3331000	COBI-PW
Sands Road 1	1/20/2021	3454000	COBI-PW
Sands Road 1	2/23/2021	4174000	COBI-PW
Sands Road 1	3/18/2021	1963000	COBI-PW
Sands Road 1	5/19/2021	7995000	COBI-PW
Sands Road 1	6/17/2021	5608000	COBI-PW
Sands Road 1	7/15/2021	7627000	COBI-PW
Sands Road 1	8/18/2021	9030000	COBI-PW
Sands Road 1	9/14/2021	6370000	COBI-PW
Sands Road 1	10/18/2021	5743000	COBI-PW
Sands Road 1	11/16/2021	4309000	COBI-PW
Sands Road 1	12/20/2021	4660000	COBI-PW
Sands Road 2	7/15/2001	7424586.834	not specified
Sands Road 2	8/15/2001	7751965.746	not specified
Sands Road 2	9/15/2001	7519131.606	not specified
Sands Road 2	10/15/2001	5556269.25	not specified
Sands Road 2	11/15/2001	4140919.902	not specified
Sands Road 2	12/15/2001	2914000	not specified
Sands Road 2	1/15/2002	3057000	not specified
Sands Road 2	2/15/2002	5262000	not specified
Sands Road 2	3/15/2002	4391000	not specified
Sands Road 2	4/15/2002	7174000	not specified
Sands Road 2	5/15/2002	5196000	not specified
Sands Road 2	6/15/2002	9857000	not specified
Sands Road 2	7/15/2002	9450000	not specified
Sands Road 2	8/15/2002	10080000	not specified
Sands Road 2	9/15/2002	11298000	not specified
Sands Road 2	10/15/2002	7288000	not specified
Sands Road 2	11/15/2002	7053000	not specified
Sands Road 2	12/15/2002	5024000	not specified
Sands Road 2	1/15/2003	5492000	not specified

Production Well	Measurement Date	Production Voulme	Technician
Sands Road 2	2/15/2003	5389000	not specified
Sands Road 2	3/15/2003	4936000	not specified
Sands Road 2	4/15/2003	4690000	not specified
Sands Road 2	5/15/2003	6693000	not specified
Sands Road 2	6/15/2003	8848000	not specified
Sands Road 2	7/15/2003	9800422.4	not specified
Sands Road 2	8/15/2003	12404880.66	not specified
Sands Road 2	9/15/2003	10649293.38	not specified
Sands Road 2	10/15/2003	7047609.7	not specified
Sands Road 2	11/15/2003	5585292.979	not specified
Sands Road 2	12/15/2003	5246804.066	not specified
Sands Road 2	1/15/2004	5597881.178	not specified
Sands Road 2	2/15/2004	5328187.104	not specified
Sands Road 2	3/15/2004	5626397.952	not specified
Sands Road 2	4/15/2004	6182704.707	not specified
Sands Road 2	5/15/2004	7673450.242	not specified
Sands Road 2	6/15/2004	8385744.21	not specified
Sands Road 2	7/15/2004	10388523.97	not specified
Sands Road 2	8/15/2004	11162137.77	not specified
Sands Road 2	9/15/2004	9221849.075	not specified
Sands Road 2	10/15/2004	5557796.44	not specified
Sands Road 2	11/15/2004	3467000	not specified
Sands Road 2	12/17/2004	6139000	COBI-PW
Sands Road 2	1/13/2005	4180000	COBI-PW
Sands Road 2	2/15/2005	3067000	COBI-PW
Sands Road 2	3/17/2005	0	COBI-PW
Sands Road 2	4/15/2005	722000	COBI-PW
Sands Road 2	5/17/2005	3450000	COBI-PW
Sands Road 2	6/16/2005	4761000	COBI-PW
Sands Road 2	7/15/2005	5437000	COBI-PW
Sands Road 2	8/16/2005	8507000	COBI-PW
Sands Road 2	9/13/2005	6375000	COBI-PW
Sands Road 2	10/18/2005	4104000	COBI-PW
Sands Road 2	11/16/2005	4142000	COBI-PW
Sands Road 2	12/15/2005	3934000	COBI-PW
Sands Road 2	1/12/2006	3499000	COBI-PW
Sands Road 2	2/15/2006	4608000	COBI-PW
Sands Road 2	3/16/2006	3836000	COBI-PW
Sands Road 2	4/17/2006	5770000	COBI-PW
Sands Road 2	5/16/2006	7130000	COBI-PW
Sands Road 2	6/15/2006	6684000	COBI-PW
Sands Road 2	7/13/2006	6655000	COBI-PW
Sands Road 2	8/17/2006	9197000	COBI-PW
Sands Road 2	9/14/2006	4607000	COBI-PW
Sands Road 2	10/12/2006	0	COBI-PW
Sands Road 2	11/14/2006	3661000	COBI-PW
Sands Road 2	12/14/2006	0	COBI-PW
Sands Road 2	1/18/2007	3818000	COBI-PW
Sands Road 2	2/14/2007	3004000	COBI-PW
Sands Road 2	3/12/2007	1059000	COBI-PW
Sands Road 2	4/17/2007	4608000	COBI-PW

Production Well	Measurement Date	Production Voulme	Technician
Sands Road 2	5/16/2007	4155000	COBI-PW
Sands Road 2	6/14/2007	5203000	COBI-PW
Sands Road 2	7/17/2007	0	COBI-PW
Sands Road 2	8/14/2007	13559000	COBI-PW
Sands Road 2	9/18/2007	7193000	COBI-PW
Sands Road 2	10/17/2007	3743000	COBI-PW
Sands Road 2	11/19/2007	3798000	COBI-PW
Sands Road 2	12/18/2007	3215000	COBI-PW
Sands Road 2	1/16/2008	3861000	COBI-PW
Sands Road 2	2/14/2008	4285000	COBI-PW
Sands Road 2	3/12/2008	3528000	COBI-PW
Sands Road 2	4/15/2008	4843000	COBI-PW
Sands Road 2	5/19/2008	5185000	COBI-PW
Sands Road 2	6/17/2008	5069000	COBI-PW
Sands Road 2	7/18/2008	6514000	COBI-PW
Sands Road 2	8/14/2008	5850000	COBI-PW
Sands Road 2	9/16/2008	5438000	COBI-PW
Sands Road 2	1/15/2009	3178350	COBI-PW
Sands Road 2	2/11/2009	2494248	COBI-PW
Sands Road 2	3/13/2009	1818218	COBI-PW
Sands Road 2	4/15/2009	3694958	COBI-PW
Sands Road 2	5/14/2009	0	COBI-PW
Sands Road 2	6/17/2009	10893164	COBI-PW
Sands Road 2	7/15/2009	5621139	COBI-PW
Sands Road 2	8/13/2009	6852119	COBI-PW
Sands Road 2	9/15/2009	5290187	COBI-PW
Sands Road 2	10/14/2009	3459861	COBI-PW
Sands Road 2	11/17/2009	3772651	COBI-PW
Sands Road 2	12/16/2009	2878677	COBI-PW
Sands Road 2	1/15/2010	2896410	COBI-PW
Sands Road 2	2/18/2010	1991910	COBI-PW
Sands Road 2	3/16/2010	2406975	COBI-PW
Sands Road 2	4/14/2010	850230	COBI-PW
Sands Road 2	5/13/2010	2781840	COBI-PW
Sands Road 2	6/23/2010	5542575	COBI-PW
Sands Road 2	7/13/2010	2835105	COBI-PW
Sands Road 2	8/20/2010	7401825	COBI-PW
Sands Road 2	9/15/2010	4094370	COBI-PW
Sands Road 2	10/15/2010	3360720	COBI-PW
Sands Road 2	11/12/2010	3213990	COBI-PW
Sands Road 2	12/15/2010	2030100	COBI-PW
Sands Road 2	1/18/2011	4045032	COBI-PW
Sands Road 2	2/22/2011	3709044	COBI-PW
Sands Road 2	3/15/2011	1415322	COBI-PW
Sands Road 2	4/19/2011	3219336	COBI-PW
Sands Road 2	5/17/2011	2231136	COBI-PW
Sands Road 2	6/15/2011	4841082	COBI-PW
Sands Road 2	7/20/2011	6571530	COBI-PW
Sands Road 2	8/18/2011	6337656	COBI-PW
Sands Road 2	9/14/2011	5723874	COBI-PW
Sands Road 2	10/20/2011	6320088	COBI-PW

Production Well	Measurement Date	Production Voulme	Technician
Sands Road 2	11/16/2011	3544344	COBI-PW
Sands Road 2	12/16/2011	3661830	COBI-PW
Sands Road 2	1/12/2012	3452112	COBI-PW
Sands Road 2	2/15/2012	4169106	COBI-PW
Sands Road 2	3/19/2012	1973106	COBI-PW
Sands Road 2	4/17/2012	3135888	COBI-PW
Sands Road 2	5/10/2012	1752408	COBI-PW
Sands Road 2	6/19/2012	4589640	COBI-PW
Sands Road 2	7/18/2012	4322826	COBI-PW
Sands Road 2	8/20/2012	5939082	COBI-PW
Sands Road 2	9/18/2012	5090328	COBI-PW
Sands Road 2	10/16/2012	5378004	COBI-PW
Sands Road 2	11/14/2012	3483954	COBI-PW
Sands Road 2	12/20/2012	4289886	COBI-PW
Sands Road 2	1/17/2013	3055734	COBI-PW
Sands Road 2	2/12/2013	2921778	COBI-PW
Sands Road 2	3/19/2013	4927824	COBI-PW
Sands Road 2	4/15/2013	5939082	COBI-PW
Sands Road 2	5/15/2013	5331888	COBI-PW
Sands Road 2	6/19/2013	7651962	COBI-PW
Sands Road 2	7/19/2013	7411500	COBI-PW
Sands Road 2	8/16/2013	6171858	COBI-PW
Sands Road 2	9/19/2013	5413140	COBI-PW
Sands Road 2	10/25/2013	3097458	COBI-PW
Sands Road 2	11/21/2013	1080432	COBI-PW
Sands Road 2	12/12/2013	1388970	COBI-PW
Sands Road 2	1/21/2014	3976020	COBI-PW
Sands Road 2	2/21/2014	3320315	COBI-PW
Sands Road 2	3/20/2014	2557150	COBI-PW
Sands Road 2	4/22/2014	3743190	COBI-PW
Sands Road 2	5/19/2014	3386980	COBI-PW
Sands Road 2	6/17/2014	5650605	COBI-PW
Sands Road 2	7/16/2014	5849605	COBI-PW
Sands Road 2	8/26/2014	7888360	COBI-PW
Sands Road 2	9/18/2014	3634735	COBI-PW
Sands Road 2	10/15/2014	4014825	COBI-PW
Sands Road 2	11/19/2014	4562075	COBI-PW
Sands Road 2	12/22/2014	2334270	COBI-PW
Sands Road 2	1/15/2015	2579040	COBI-PW
Sands Road 2	2/17/2015	782070	COBI-PW
Sands Road 2	3/16/2015	3364095	COBI-PW
Sands Road 2	4/21/2015	4183975	COBI-PW
Sands Road 2	5/21/2015	3256635	COBI-PW
Sands Road 2	6/23/2015	5647620	COBI-PW
Sands Road 2	7/16/2015	5415785	COBI-PW
Sands Road 2	8/17/2015	7083405	COBI-PW
Sands Road 2	9/21/2015	5472500	COBI-PW
Sands Road 2	10/14/2015	1423845	COBI-PW
Sands Road 2	11/20/2015	68655	COBI-PW
Sands Road 2	12/21/2015	0	COBI-PW
Sands Road 2	1/26/2016	0	COBI-PW

Production Well	Measurement Date	Production Voulme	Technician
Sands Road 2	2/24/2016	0	COBI-PW
Sands Road 2	3/21/2016	17910	COBI-PW
Sands Road 2	4/25/2016	328350	COBI-PW
Sands Road 2	5/18/2016	4888435	COBI-PW
Sands Road 2	6/22/2016	6142135	COBI-PW
Sands Road 2	7/20/2016	5984925	COBI-PW
Sands Road 2	8/15/2016	5742145	COBI-PW
Sands Road 2	10/3/2016	8296310	COBI-PW
Sands Road 2	10/26/2016	2835750	COBI-PW
Sands Road 2	11/30/2016	3863585	COBI-PW
Sands Road 2	12/29/2016	2622820	COBI-PW
Sands Road 2	1/24/2017	2285515	COBI-PW
Sands Road 2	2/23/2017	2427800	COBI-PW
Sands Road 2	3/23/2017	1519365	COBI-PW
Sands Road 2	4/19/2017	1559165	COBI-PW
Sands Road 2	5/22/2017	747245	COBI-PW
Sands Road 2	6/23/2017	3340215	COBI-PW
Sands Road 2	7/18/2017	5323250	COBI-PW
Sands Road 2	8/15/2017	6109300	COBI-PW
Sands Road 2	9/20/2017	7904280	COBI-PW
Sands Road 2	10/18/2017	4177010	COBI-PW
Sands Road 2	11/22/2017	4095420	COBI-PW
Sands Road 2	12/14/2017	2825800	COBI-PW
Sands Road 2	1/22/2018	4515310	COBI-PW
Sands Road 2	2/13/2018	2567100	COBI-PW
Sands Road 2	3/19/2018	2639735	COBI-PW
Sands Road 2	4/18/2018	1777070	COBI-PW
Sands Road 2	5/17/2018	4203875	COBI-PW
Sands Road 2	6/14/2018	4807840	COBI-PW
Sands Road 2	7/19/2018	6955050	COBI-PW
Sands Road 2	8/16/2018	7849555	COBI-PW
Sands Road 2	9/15/2018	0	COBI-PW
Sands Road 2	10/17/2018	9704235	COBI-PW
Sands Road 2	11/14/2018	2435760	COBI-PW
Sands Road 2	12/17/2018	2971070	COBI-PW
Sands Road 2	1/16/2019	1107000	COBI-PW
Sands Road 2	2/21/2019	3439000	COBI-PW
Sands Road 2	3/18/2019	3255000	COBI-PW
Sands Road 2	4/16/2019	3600000	COBI-PW
Sands Road 2	5/16/2019	4877000	COBI-PW
Sands Road 2	6/18/2019	6332000	COBI-PW
Sands Road 2	7/17/2019	6410000	COBI-PW
Sands Road 2	8/16/2019	6752000	COBI-PW
Sands Road 2	9/20/2019	7119000	COBI-PW
Sands Road 2	10/16/2019	3406000	COBI-PW
Sands Road 2	11/18/2019	3749000	COBI-PW
Sands Road 2	12/16/2019	2886000	COBI-PW
Sands Road 2	1/16/2020	4255000	COBI-PW
Sands Road 2	2/19/2020	3800000	COBI-PW
Sands Road 2	3/17/2020	2783000	COBI-PW
Sands Road 2	4/20/2020	5207000	COBI-PW

Production Well	Measurement Date	Production Voulme	Technician
Sands Road 2	5/19/2020	4860000	COBI-PW
Sands Road 2	6/17/2020	5342000	COBI-PW
Sands Road 2	7/16/2020	5634000	COBI-PW
Sands Road 2	8/18/2020	7868000	COBI-PW
Sands Road 2	9/17/2020	6347000	COBI-PW
Sands Road 2	10/16/2020	4244000	COBI-PW
Sands Road 2	11/19/2020	4686000	COBI-PW
Sands Road 2	12/17/2020	3451000	COBI-PW
Sands Road 2	1/20/2021	3612000	COBI-PW
Sands Road 2	2/23/2021	4330000	COBI-PW
Sands Road 2	3/18/2021	2040000	COBI-PW
Sands Road 2	5/19/2021	8189000	COBI-PW
Sands Road 2	6/17/2021	5641000	COBI-PW
Sands Road 2	7/15/2021	7510000	COBI-PW
Sands Road 2	8/18/2021	8768000	COBI-PW
Sands Road 2	9/14/2021	6191000	COBI-PW
Sands Road 2	10/18/2021	5710000	COBI-PW
Sands Road 2	11/16/2021	4374000	COBI-PW
Sands Road 2	12/20/2021	4770000	COBI-PW
South Bainbridge Well 10	1/31/2020	0	KPUD
South Bainbridge Well 10	2/29/2020	200	KPUD
South Bainbridge Well 10	3/31/2020	0	KPUD
South Bainbridge Well 10	4/30/2020	0	KPUD
South Bainbridge Well 10	5/31/2020	0	KPUD
South Bainbridge Well 10	6/30/2020	0	KPUD
South Bainbridge Well 10	7/31/2020	26600	KPUD
South Bainbridge Well 10	8/31/2020	73400	KPUD
South Bainbridge Well 10	9/30/2020	64900	KPUD
South Bainbridge Well 10	10/31/2020	4900	KPUD
South Bainbridge Well 10	11/30/2020	0	KPUD
South Bainbridge Well 10	12/31/2020	0	KPUD
South Bainbridge WS Well 7	7/31/2015	9283800	KPUD
South Bainbridge WS Well 7	8/31/2015	8287100	KPUD
South Bainbridge WS Well 7	9/30/2015	4445600	KPUD
South Bainbridge WS Well 7	10/31/2015	3630500	KPUD
South Bainbridge WS Well 7	11/30/2015	2993500	KPUD
South Bainbridge WS Well 7	12/31/2015	3144900	KPUD
South Bainbridge WS Well 7	1/31/2016	3069800	KPUD
South Bainbridge WS Well 7	2/29/2016	2945500	KPUD
South Bainbridge WS Well 7	3/31/2016	2840700	KPUD
South Bainbridge WS Well 7	4/30/2016	3708500	KPUD
South Bainbridge WS Well 7	5/31/2016	5202300	KPUD
South Bainbridge WS Well 7	6/30/2016	7253200	KPUD
South Bainbridge WS Well 7	7/31/2016	7085900	KPUD
South Bainbridge WS Well 7	8/31/2016	9242100	KPUD
South Bainbridge WS Well 7	9/30/2016	4820600	KPUD
South Bainbridge WS Well 7	10/31/2016	3523100	KPUD
South Bainbridge WS Well 7	11/30/2016	38300	KPUD
South Bainbridge WS Well 7	12/31/2016	358300	KPUD
South Bainbridge WS Well 7	1/31/2017	0	KPUD
South Bainbridge WS Well 7	2/28/2017	0	KPUD

Production Well	Measurement Date	Production Voulme	Technician
South Bainbridge WS Well 7	3/31/2017	400	KPUD
South Bainbridge WS Well 7	4/30/2017	8800	KPUD
South Bainbridge WS Well 7	5/31/2017	482200	KPUD
South Bainbridge WS Well 7	6/30/2017	6321400	KPUD
South Bainbridge WS Well 7	7/31/2017	10255200	KPUD
South Bainbridge WS Well 7	8/31/2017	10191500	KPUD
South Bainbridge WS Well 7	9/30/2017	8976900	KPUD
South Bainbridge WS Well 7	10/31/2017	8896400	KPUD
South Bainbridge WS Well 7	11/30/2017	4884900	KPUD
South Bainbridge WS Well 7	12/31/2017	2632000	KPUD
South Bainbridge WS Well 7	1/31/2018	4259200	KPUD
South Bainbridge WS Well 7	2/28/2018	659800	KPUD
South Bainbridge WS Well 7	3/31/2018	3950000	KPUD
South Bainbridge WS Well 7	4/30/2018	0	KPUD
South Bainbridge WS Well 7	5/31/2018	4620000	KPUD
South Bainbridge WS Well 7	6/30/2018	0	KPUD
South Bainbridge WS Well 7	7/31/2018	9795200	KPUD
South Bainbridge WS Well 7	8/31/2018	9411700	KPUD
South Bainbridge WS Well 7	9/30/2018	6282700	KPUD
South Bainbridge WS Well 7	10/31/2018	2265800	KPUD
South Bainbridge WS Well 7	11/30/2018	0	KPUD
South Bainbridge WS Well 7	12/31/2018	0	KPUD
South Bainbridge WS Well 7	1/31/2019	0	KPUD
South Bainbridge WS Well 7	2/28/2019	0	KPUD
South Bainbridge WS Well 7	3/31/2019	7411300	KPUD
South Bainbridge WS Well 7	4/30/2019	8938800	KPUD
South Bainbridge WS Well 7	5/31/2019	5736500	KPUD
South Bainbridge WS Well 7	6/30/2019	6546200	KPUD
South Bainbridge WS Well 7	7/31/2019	6318600	KPUD
South Bainbridge WS Well 7	8/31/2019	8032900	KPUD
South Bainbridge WS Well 7	9/30/2019	3361800	KPUD
South Bainbridge WS Well 7	10/31/2019	0	KPUD
South Bainbridge WS Well 7	11/30/2019	0	KPUD
South Bainbridge WS Well 7	12/31/2019	2808000	KPUD
South Bainbridge WS Well 7	1/31/2020	7741400	KPUD
South Bainbridge WS Well 7	2/29/2020	7554400	KPUD
South Bainbridge WS Well 7	3/31/2020	6527700	KPUD
South Bainbridge WS Well 7	4/30/2020	3756900	KPUD
South Bainbridge WS Well 7	5/31/2020	5042400	KPUD
South Bainbridge WS Well 7	6/30/2020	5732600	KPUD
South Bainbridge WS Well 7	7/31/2020	8278600	KPUD
South Bainbridge WS Well 7	8/31/2020	8569500	KPUD
South Bainbridge WS Well 7	9/30/2020	7517900	KPUD
South Bainbridge WS Well 7	10/31/2020	2994400	KPUD
South Bainbridge WS Well 7	11/30/2020	0	KPUD
South Bainbridge WS Well 7	12/31/2020	0	KPUD
South Bainbridge WS Well 7	1/31/2021	0	KPUD
South Bainbridge WS Well 7	2/28/2021	0	KPUD
South Bainbridge WS Well 7	3/31/2021	0	KPUD
South Bainbridge WS Well 7	4/30/2021	3013100	KPUD
South Bainbridge WS Well 7	5/31/2021	5283500	KPUD

Production Well	Measurement Date	Production Voulme	Technician
South Bainbridge WS Well 7	6/30/2021	9361200	KPUD
South Bainbridge WS Well 7	7/31/2021	9610200	KPUD
South Bainbridge WS Well 7	8/31/2021	9348600	KPUD
South Bainbridge WS Well 7	9/30/2021	7136500	KPUD
South Bainbridge WS Well 7	10/31/2021	3902400	KPUD
South Bainbridge WS Well 7	11/30/2021	3687600	KPUD
South Bainbridge WS Well 7	12/31/2021	0	KPUD
South Bainbridge WS Well 8	7/31/2015	9851520	KPUD
South Bainbridge WS Well 8	8/31/2015	8451500	KPUD
South Bainbridge WS Well 8	9/30/2015	4572700	KPUD
South Bainbridge WS Well 8	10/31/2015	3743800	KPUD
South Bainbridge WS Well 8	11/30/2015	3130700	KPUD
South Bainbridge WS Well 8	12/31/2015	3320400	KPUD
South Bainbridge WS Well 8	1/31/2016	3279000	KPUD
South Bainbridge WS Well 8	2/29/2016	3142900	KPUD
South Bainbridge WS Well 8	3/31/2016	3064800	KPUD
South Bainbridge WS Well 8	4/30/2016	4161000	KPUD
South Bainbridge WS Well 8	5/31/2016	5939300	KPUD
South Bainbridge WS Well 8	6/30/2016	8378600	KPUD
South Bainbridge WS Well 8	7/31/2016	8189200	KPUD
South Bainbridge WS Well 8	8/31/2016	10720800	KPUD
South Bainbridge WS Well 8	9/30/2016	7252000	KPUD
South Bainbridge WS Well 8	10/31/2016	4160700	KPUD
South Bainbridge WS Well 8	11/30/2016	5291700	KPUD
South Bainbridge WS Well 8	12/31/2016	6878200	KPUD
South Bainbridge WS Well 8	1/31/2017	5428700	KPUD
South Bainbridge WS Well 8	2/28/2017	0	KPUD
South Bainbridge WS Well 8	3/31/2017	5868200	KPUD
South Bainbridge WS Well 8	4/30/2017	5228800	KPUD
South Bainbridge WS Well 8	5/31/2017	8125400	KPUD
South Bainbridge WS Well 8	6/30/2017	7013600	KPUD
South Bainbridge WS Well 8	7/31/2017	10931400	KPUD
South Bainbridge WS Well 8	8/31/2017	9953600	KPUD
South Bainbridge WS Well 8	9/30/2017	5782200	KPUD
South Bainbridge WS Well 8	10/31/2017	30706	KPUD
South Bainbridge WS Well 8	11/30/2017	2182694	KPUD
South Bainbridge WS Well 8	12/31/2017	3037900	KPUD
South Bainbridge WS Well 8	1/31/2018	2311700	KPUD
South Bainbridge WS Well 8	2/28/2018	1494700	KPUD
South Bainbridge WS Well 8	3/31/2018	4828800	KPUD
South Bainbridge WS Well 8	4/30/2018	0	KPUD
South Bainbridge WS Well 8	5/31/2018	24751900	KPUD
South Bainbridge WS Well 8	6/30/2018	8719300	KPUD
South Bainbridge WS Well 8	7/31/2018	10901300	KPUD
South Bainbridge WS Well 8	8/31/2018	9983200	KPUD
South Bainbridge WS Well 8	9/30/2018	6871600	KPUD
South Bainbridge WS Well 8	10/31/2018	5558900	KPUD
South Bainbridge WS Well 8	11/30/2018	5385200	KPUD
South Bainbridge WS Well 8	12/31/2018	6337500	KPUD
South Bainbridge WS Well 8	1/31/2019	5991100	KPUD
South Bainbridge WS Well 8	2/28/2019	5394500	KPUD

Production Well	Measurement Date	Production Voulme	Technician
South Bainbridge WS Well 8	3/31/2019	0	KPUD
South Bainbridge WS Well 8	4/30/2019	0	KPUD
South Bainbridge WS Well 8	5/31/2019	7551700	KPUD
South Bainbridge WS Well 8	6/30/2019	9302500	KPUD
South Bainbridge WS Well 8	7/31/2019	7247000	KPUD
South Bainbridge WS Well 8	8/31/2019	9030500	KPUD
South Bainbridge WS Well 8	9/30/2019	7421400	KPUD
South Bainbridge WS Well 8	10/31/2019	6745300	KPUD
South Bainbridge WS Well 8	11/30/2019	4583400	KPUD
South Bainbridge WS Well 8	12/31/2019	4774700	KPUD
South Bainbridge WS Well 8	1/31/2020	0	KPUD
South Bainbridge WS Well 8	2/29/2020	0	KPUD
South Bainbridge WS Well 8	3/31/2020	943900	KPUD
South Bainbridge WS Well 8	4/30/2020	4403600	KPUD
South Bainbridge WS Well 8	5/31/2020	5948900	KPUD
South Bainbridge WS Well 8	6/30/2020	6166700	KPUD
South Bainbridge WS Well 8	7/31/2020	10523800	KPUD
South Bainbridge WS Well 8	8/31/2020	10283400	KPUD
South Bainbridge WS Well 8	9/30/2020	8950700	KPUD
South Bainbridge WS Well 8	10/31/2020	6722100	KPUD
South Bainbridge WS Well 8	11/30/2020	5673900	KPUD
South Bainbridge WS Well 8	12/31/2020	6369300	KPUD
South Bainbridge WS Well 8	1/31/2021	5664000	KPUD
South Bainbridge WS Well 8	2/28/2021	5674400	KPUD
South Bainbridge WS Well 8	3/31/2021	7393500	KPUD
South Bainbridge WS Well 8	4/30/2021	6122500	KPUD
South Bainbridge WS Well 8	5/31/2021	6060300	KPUD
South Bainbridge WS Well 8	6/30/2021	10816200	KPUD
South Bainbridge WS Well 8	7/31/2021	11064600	KPUD
South Bainbridge WS Well 8	8/31/2021	10855800	KPUD
South Bainbridge WS Well 8	9/30/2021	8657000	KPUD
South Bainbridge WS Well 8	10/31/2021	4927600	KPUD
South Bainbridge WS Well 8	11/30/2021	4714700	KPUD
South Bainbridge WS Well 8	12/31/2021	7777800	KPUD
South Bainbridge WS Well 9	2/28/2018	0	KPUD
South Bainbridge WS Well 9	3/31/2018	0	KPUD
South Bainbridge WS Well 9	4/30/2018	0	KPUD
South Bainbridge WS Well 9	5/31/2018	0	KPUD
South Bainbridge WS Well 9	6/30/2018	0	KPUD
South Bainbridge WS Well 9	7/31/2018	0	KPUD
South Bainbridge WS Well 9	8/31/2018	0	KPUD
South Bainbridge WS Well 9	9/30/2018	0	KPUD
South Bainbridge WS Well 9	10/31/2018	0	KPUD
South Bainbridge WS Well 9	11/30/2018	0	KPUD
South Bainbridge WS Well 9	12/31/2018	0	KPUD
South Bainbridge WS Well 9	1/31/2019	0	KPUD
South Bainbridge WS Well 9	2/28/2019	0	KPUD
South Bainbridge WS Well 9	3/31/2019	0	KPUD
South Bainbridge WS Well 9	4/30/2019	0	KPUD
South Bainbridge WS Well 9	5/31/2019	1110900	KPUD
South Bainbridge WS Well 9	6/30/2019	0	KPUD

Production Well	Measurement Date	Production Voulme	Technician
South Bainbridge WS Well 9	7/31/2019	1643100	KPUD
South Bainbridge WS Well 9	8/31/2019	1879700	KPUD
South Bainbridge WS Well 9	9/30/2019	605900	KPUD
South Bainbridge WS Well 9	10/31/2019	0	KPUD
South Bainbridge WS Well 9	11/30/2019	0	KPUD
South Bainbridge WS Well 9	12/31/2019	0	KPUD
South Bainbridge WS Well 9	1/31/2020	0	KPUD
South Bainbridge WS Well 9	2/29/2020	78100	KPUD
South Bainbridge WS Well 9	3/31/2020	0	KPUD
South Bainbridge WS Well 9	4/30/2020	0	KPUD
South Bainbridge WS Well 9	5/31/2020	105700	KPUD
South Bainbridge WS Well 9	6/30/2020	2043600	KPUD
South Bainbridge WS Well 9	7/31/2020	0	KPUD
South Bainbridge WS Well 9	8/31/2020	1039300	KPUD
South Bainbridge WS Well 9	9/30/2020	957700	KPUD
South Bainbridge WS Well 9	10/31/2020	191600	KPUD
South Bainbridge WS Well 9	11/30/2020	0	KPUD
South Bainbridge WS Well 9	12/31/2020	0	KPUD
South Bainbridge WS Well 9	1/31/2021	0	KPUD
South Bainbridge WS Well 9	2/28/2021	0	KPUD
South Bainbridge WS Well 9	3/31/2021	0	KPUD
South Bainbridge WS Well 9	4/30/2021	0	KPUD
South Bainbridge WS Well 9	5/31/2021	0	KPUD
South Bainbridge WS Well 9	6/30/2021	797300	KPUD
South Bainbridge WS Well 9	7/31/2021	1845600	KPUD
South Bainbridge WS Well 9	8/31/2021	1727700	KPUD
South Bainbridge WS Well 9	9/30/2021	133100	KPUD
South Bainbridge WS Well 9	10/31/2021	0	KPUD
South Bainbridge WS Well 9	11/30/2021	0	KPUD
South Bainbridge WS Well 9	12/31/2021	0	KPUD
Taylor Road Well	6/15/2001	585000	not specified
Taylor Road Well	7/15/2001	773000	not specified
Taylor Road Well	8/15/2001	777000	not specified
Taylor Road Well	9/15/2001	604000	not specified
Taylor Road Well	10/15/2001	447000	not specified
Taylor Road Well	11/15/2001	386000	not specified
Taylor Road Well	12/15/2001	394000	not specified
Taylor Road Well	1/15/2002	391000	not specified
Taylor Road Well	2/15/2002	294000	not specified
Taylor Road Well	3/15/2002	347000	not specified
Taylor Road Well	4/15/2002	382000	not specified
Taylor Road Well	5/15/2002	433000	not specified
Taylor Road Well	6/15/2002	789000	not specified
Taylor Road Well	7/15/2002	929000	not specified
Taylor Road Well	8/15/2002	1034000	not specified
Taylor Road Well	9/15/2002	816000	not specified
Taylor Road Well	10/15/2002	501000	not specified
Taylor Road Well	11/15/2002	436000	not specified
Taylor Road Well	12/15/2002	350000	not specified
Taylor Road Well	1/15/2003	292000	not specified
Taylor Road Well	2/15/2003	273000	not specified

Production Well	Measurement Date	Production Voulme	Technician
Taylor Road Well	3/15/2003	326000	not specified
Taylor Road Well	4/15/2003	346000	not specified
Taylor Road Well	5/15/2003	520000	not specified
Taylor Road Well	6/15/2003	1016000	not specified
Taylor Road Well	7/15/2003	1349000	not specified
Taylor Road Well	8/15/2003	1149000	not specified
Taylor Road Well	9/15/2003	791000	not specified
Taylor Road Well	10/15/2003	392000	not specified
Taylor Road Well	11/15/2003	295000	not specified
Taylor Road Well	12/15/2003	361000	not specified
Taylor Road Well	1/15/2004	375000	not specified
Taylor Road Well	2/15/2004	286000	not specified
Taylor Road Well	3/15/2004	344000	not specified
Taylor Road Well	4/15/2004	487000	not specified
Taylor Road Well	5/15/2004	667000	not specified
Taylor Road Well	6/15/2004	938000	not specified
Taylor Road Well	7/15/2004	1095000	not specified
Taylor Road Well	8/15/2004	911000	not specified
Taylor Road Well	9/15/2004	521000	not specified
Taylor Road Well	10/15/2004	378000	not specified
Taylor Road Well	11/15/2004	430000	not specified
Taylor Road Well	12/17/2004	533000	COBI-PW
Taylor Road Well	1/13/2005	509000	COBI-PW
Taylor Road Well	2/15/2005	342000	COBI-PW
Taylor Road Well	3/17/2005	354000	COBI-PW
Taylor Road Well	4/15/2005	322000	COBI-PW
Taylor Road Well	5/17/2005	418000	COBI-PW
Taylor Road Well	6/16/2005	533000	COBI-PW
Taylor Road Well	7/15/2005	796000	COBI-PW
Taylor Road Well	8/16/2005	1103000	COBI-PW
Taylor Road Well	9/13/2005	961000	COBI-PW
Taylor Road Well	10/18/2005	780000	COBI-PW
Taylor Road Well	11/16/2005	406000	COBI-PW
Taylor Road Well	12/15/2005	341000	COBI-PW
Taylor Road Well	1/12/2006	347000	COBI-PW
Taylor Road Well	2/15/2006	298000	COBI-PW
Taylor Road Well	3/16/2006	261000	COBI-PW
Taylor Road Well	4/17/2006	290000	COBI-PW
Taylor Road Well	5/16/2006	412000	COBI-PW
Taylor Road Well	6/15/2006	485000	COBI-PW
Taylor Road Well	7/13/2006	843000	COBI-PW
Taylor Road Well	8/17/2006	1362000	COBI-PW
Taylor Road Well	9/14/2006	947000	COBI-PW
Taylor Road Well	10/12/2006	423000	COBI-PW
Taylor Road Well	11/14/2006	365000	COBI-PW
Taylor Road Well	12/14/2006	332000	COBI-PW
Taylor Road Well	1/18/2007	326000	COBI-PW
Taylor Road Well	2/14/2007	276000	COBI-PW
Taylor Road Well	3/12/2007	205000	COBI-PW
Taylor Road Well	4/17/2007	357000	COBI-PW
Taylor Road Well	5/16/2007	391000	COBI-PW

Production Well	Measurement Date	Production Voulme	Technician
Taylor Road Well	6/14/2007	681000	COBI-PW
Taylor Road Well	7/17/2007	1061000	COBI-PW
Taylor Road Well	8/14/2007	751000	COBI-PW
Taylor Road Well	9/18/2007	912000	COBI-PW
Taylor Road Well	10/17/2007	392000	COBI-PW
Taylor Road Well	11/19/2007	317000	COBI-PW
Taylor Road Well	12/18/2007	261000	COBI-PW
Taylor Road Well	1/16/2008	271000	COBI-PW
Taylor Road Well	2/14/2008	276000	COBI-PW
Taylor Road Well	3/12/2008	244000	COBI-PW
Taylor Road Well	4/15/2008	318000	COBI-PW
Taylor Road Well	5/19/2008	370000	COBI-PW
Taylor Road Well	6/17/2008	530000	COBI-PW
Taylor Road Well	7/18/2008	846000	COBI-PW
Taylor Road Well	8/14/2008	833000	COBI-PW
Taylor Road Well	9/16/2008	792000	COBI-PW
Taylor Road Well	1/15/2009	379080	COBI-PW
Taylor Road Well	2/11/2009	264384	COBI-PW
Taylor Road Well	3/13/2009	277992	COBI-PW
Taylor Road Well	4/15/2009	327564	COBI-PW
Taylor Road Well	5/14/2009	278964	COBI-PW
Taylor Road Well	6/17/2009	614304	COBI-PW
Taylor Road Well	7/15/2009	846612	COBI-PW
Taylor Road Well	8/13/2009	981720	COBI-PW
Taylor Road Well	9/15/2009	892296	COBI-PW
Taylor Road Well	10/14/2009	583200	COBI-PW
Taylor Road Well	11/17/2009	493776	COBI-PW
Taylor Road Well	12/16/2009	360612	COBI-PW
Taylor Road Well	1/15/2010	250776	COBI-PW
Taylor Road Well	2/18/2010	319788	COBI-PW
Taylor Road Well	3/16/2010	297432	COBI-PW
Taylor Road Well	4/14/2010	241056	COBI-PW
Taylor Road Well	5/13/2010	272160	COBI-PW
Taylor Road Well	6/23/2010	494748	COBI-PW
Taylor Road Well	7/13/2010	472392	COBI-PW
Taylor Road Well	8/20/2010	1232496	COBI-PW
Taylor Road Well	9/15/2010	604584	COBI-PW
Taylor Road Well	10/15/2010	356724	COBI-PW
Taylor Road Well	11/12/2010	407268	COBI-PW
Taylor Road Well	12/15/2010	270216	COBI-PW
Taylor Road Well	1/18/2011	331000	COBI-PW
Taylor Road Well	2/22/2011	326000	COBI-PW
Taylor Road Well	3/15/2011	186000	COBI-PW
Taylor Road Well	4/19/2011	436000	COBI-PW
Taylor Road Well	5/17/2011	314000	COBI-PW
Taylor Road Well	6/15/2011	407000	COBI-PW
Taylor Road Well	7/20/2011	875000	COBI-PW
Taylor Road Well	8/18/2011	859000	COBI-PW
Taylor Road Well	9/14/2011	883000	COBI-PW
Taylor Road Well	10/20/2011	689000	COBI-PW
Taylor Road Well	11/16/2011	260000	COBI-PW

Production Well	Measurement Date	Production Voulme	Technician
Taylor Road Well	12/16/2011	272000	COBI-PW
Taylor Road Well	1/12/2012	243000	COBI-PW
Taylor Road Well	2/15/2012	315000	COBI-PW
Taylor Road Well	3/19/2012	277000	COBI-PW
Taylor Road Well	4/17/2012	250000	COBI-PW
Taylor Road Well	5/10/2012	243000	COBI-PW
Taylor Road Well	6/19/2012	622000	COBI-PW
Taylor Road Well	7/18/2012	568000	COBI-PW
Taylor Road Well	8/20/2012	865000	COBI-PW
Taylor Road Well	9/18/2012	751000	COBI-PW
Taylor Road Well	10/16/2012	667000	COBI-PW
Taylor Road Well	11/14/2012	297000	COBI-PW
Taylor Road Well	12/20/2012	440000	COBI-PW
Taylor Road Well	1/17/2013	230000	COBI-PW
Taylor Road Well	2/12/2013	186000	COBI-PW
Taylor Road Well	3/19/2013	235000	COBI-PW
Taylor Road Well	4/15/2013	257000	COBI-PW
Taylor Road Well	5/15/2013	382000	COBI-PW
Taylor Road Well	6/19/2013	669000	COBI-PW
Taylor Road Well	7/19/2013	767000	COBI-PW
Taylor Road Well	8/16/2013	817000	COBI-PW
Taylor Road Well	9/19/2013	797000	COBI-PW
Taylor Road Well	10/25/2013	408000	COBI-PW
Taylor Road Well	11/21/2013	231000	COBI-PW
Taylor Road Well	12/12/2013	239000	COBI-PW
Taylor Road Well	1/21/2014	364000	COBI-PW
Taylor Road Well	2/21/2014	226000	COBI-PW
Taylor Road Well	3/20/2014	217000	COBI-PW
Taylor Road Well	4/22/2014	361000	COBI-PW
Taylor Road Well	5/19/2014	356000	COBI-PW
Taylor Road Well	6/17/2014	904000	COBI-PW
Taylor Road Well	7/16/2014	1058000	COBI-PW
Taylor Road Well	8/26/2014	1571000	COBI-PW
Taylor Road Well	9/18/2014	812000	COBI-PW
Taylor Road Well	10/15/2014	662000	COBI-PW
Taylor Road Well	11/19/2014	403000	COBI-PW
Taylor Road Well	12/22/2014	340000	COBI-PW
Taylor Road Well	1/15/2015	228000	COBI-PW
Taylor Road Well	2/17/2015	293000	COBI-PW
Taylor Road Well	3/16/2015	243000	COBI-PW
Taylor Road Well	4/21/2015	364000	COBI-PW
Taylor Road Well	5/21/2015	422000	COBI-PW
Taylor Road Well	6/23/2015	1022000	COBI-PW
Taylor Road Well	7/16/2015	913000	COBI-PW
Taylor Road Well	8/17/2015	1171000	COBI-PW
Taylor Road Well	9/21/2015	926000	COBI-PW
Taylor Road Well	10/14/2015	317000	COBI-PW
Taylor Road Well	11/20/2015	342000	COBI-PW
Taylor Road Well	12/21/2015	325000	COBI-PW
Taylor Road Well	1/26/2016	341000	COBI-PW
Taylor Road Well	2/24/2016	210000	COBI-PW

Production Well	Measurement Date	Production Voulme	Technician
Taylor Road Well	3/21/2016	230000	COBI-PW
Taylor Road Well	4/25/2016	399000	COBI-PW
Taylor Road Well	5/18/2016	410000	COBI-PW
Taylor Road Well	6/22/2016	837000	COBI-PW
Taylor Road Well	7/20/2016	751000	COBI-PW
Taylor Road Well	8/15/2016	697000	COBI-PW
Taylor Road Well	10/3/2016	1125000	COBI-PW
Taylor Road Well	10/26/2016	252000	COBI-PW
Taylor Road Well	11/30/2016	360000	COBI-PW
Taylor Road Well	12/29/2016	263000	COBI-PW
Taylor Road Well	1/24/2017	232000	COBI-PW
Taylor Road Well	2/23/2017	224000	COBI-PW
Taylor Road Well	3/23/2017	215000	COBI-PW
Taylor Road Well	4/19/2017	208000	COBI-PW
Taylor Road Well	5/22/2017	292000	COBI-PW
Taylor Road Well	6/23/2017	618000	COBI-PW
Taylor Road Well	7/18/2017	843000	COBI-PW
Taylor Road Well	8/15/2017	1009000	COBI-PW
Taylor Road Well	9/20/2017	1109000	COBI-PW
Taylor Road Well	10/18/2017	568000	COBI-PW
Taylor Road Well	11/22/2017	440000	COBI-PW
Taylor Road Well	12/14/2017	212000	COBI-PW
Taylor Road Well	1/22/2018	441000	COBI-PW
Taylor Road Well	2/13/2018	217000	COBI-PW
Taylor Road Well	3/19/2018	341000	COBI-PW
Taylor Road Well	4/18/2018	339000	COBI-PW
Taylor Road Well	5/17/2018	444000	COBI-PW
Taylor Road Well	6/14/2018	745000	COBI-PW
Taylor Road Well	7/19/2018	1306000	COBI-PW
Taylor Road Well	8/16/2018	1223000	COBI-PW
Taylor Road Well	9/15/2018	0	COBI-PW
Taylor Road Well	10/17/2018	1625000	COBI-PW
Taylor Road Well	11/14/2018	291000	COBI-PW
Taylor Road Well	12/17/2018	295000	COBI-PW
Taylor Road Well	1/16/2019	341000	COBI-PW
Taylor Road Well	2/21/2019	378000	COBI-PW
Taylor Road Well	3/18/2019	253000	COBI-PW
Taylor Road Well	4/16/2019	302000	COBI-PW
Taylor Road Well	5/16/2019	570000	COBI-PW
Taylor Road Well	6/18/2019	916000	COBI-PW
Taylor Road Well	7/17/2019	987000	COBI-PW
Taylor Road Well	8/16/2019	1105000	COBI-PW
Taylor Road Well	9/20/2019	1061000	COBI-PW
Taylor Road Well	10/16/2019	400000	COBI-PW
Taylor Road Well	11/18/2019	488000	COBI-PW
Taylor Road Well	12/16/2019	355000	COBI-PW
Taylor Road Well	1/16/2020	417000	COBI-PW
Taylor Road Well	2/19/2020	380000	COBI-PW
Taylor Road Well	3/17/2020	235000	COBI-PW
Taylor Road Well	4/20/2020	415000	COBI-PW
Taylor Road Well	5/19/2020	461000	COBI-PW

Production Well	Measurement Date	Production Voulme	Technician
Taylor Road Well	6/17/2020	645000	COBI-PW
Taylor Road Well	7/16/2020	970000	COBI-PW
Taylor Road Well	8/18/2020	1291000	COBI-PW
Taylor Road Well	9/17/2020	1007000	COBI-PW
Taylor Road Well	10/16/2020	566000	COBI-PW
Taylor Road Well	11/19/2020	453000	COBI-PW
Taylor Road Well	12/17/2020	345000	COBI-PW
Taylor Road Well	1/20/2021	402000	COBI-PW
Taylor Road Well	2/23/2021	411000	COBI-PW
Taylor Road Well	3/18/2021	223000	COBI-PW
Taylor Road Well	5/19/2021	1101000	COBI-PW
Taylor Road Well	6/17/2021	711000	COBI-PW
Taylor Road Well	7/15/2021	1057000	COBI-PW
Taylor Road Well	8/18/2021	1284000	COBI-PW
Taylor Road Well	9/14/2021	948000	COBI-PW
Taylor Road Well	10/18/2021	619000	COBI-PW
Taylor Road Well	11/16/2021	460000	COBI-PW
Taylor Road Well	12/20/2021	345000	COBI-PW
Bloedel Well #2	3/31/1996	26394	not specified
Bloedel Well #2	4/30/1996	30502	not specified
Bloedel Well #2	5/31/1996	31003	not specified
Bloedel Well #2	6/30/1996	67600	not specified
Bloedel Well #2	7/31/1996	112482	not specified
Bloedel Well #2	8/31/1996	99462	not specified
Bloedel Well #2	9/30/1996	169141	not specified
Bloedel Well #2	10/31/1996	42719	not specified
Bloedel Well #2	11/30/1996	31313	not specified
Bloedel Well #2	12/31/1996	33624	not specified
Bloedel Well #2	1/31/1997	19730	not specified
Bloedel Well #2	2/28/1997	28009	not specified
Bloedel Well #2	3/31/1997	29564	not specified
Bloedel Well #2	4/30/1997	29992	not specified
Bloedel Well #2	5/31/1997	48095	not specified
Bloedel Well #2	6/30/1997	93364	not specified
Bloedel Well #2	7/31/1997	111879	not specified
Bloedel Well #2	8/31/1997	266080	not specified
Bloedel Well #2	9/30/1997	75258	not specified
Bloedel Well #2	10/31/1997	23608	not specified
Bloedel Well #2	11/30/1997	64500	not specified
Bloedel Well #2	12/31/1997	18067	not specified
Bloedel Well #2	1/31/1998	22100	not specified
Bloedel Well #2	2/28/1998	18434	not specified
Bloedel Well #2	3/31/1998	24293	not specified
Bloedel Well #2	4/30/1998	40458	not specified
Bloedel Well #2	5/31/1998	187446	not specified
Bloedel Well #2	6/30/1998	63295	not specified
Bloedel Well #2	7/31/1998	149364	not specified
Bloedel Well #2	8/31/1998	254051	not specified
Bloedel Well #2	9/30/1998	230429	not specified
Bloedel Well #2	10/31/1998	50127	not specified
Bloedel Well #2	11/30/1998	28382	not specified

Production Well	Measurement Date	Production Voulme	Technician
Bloedel Well #2	12/31/1998	14625	not specified
Bloedel Well #2	1/31/1999	23296	not specified
Bloedel Well #2	2/28/1999	17130	not specified
Bloedel Well #2	3/31/1999	26939	not specified
Bloedel Well #2	4/30/1999	137928	not specified
Bloedel Well #2	5/31/1999	359926	not specified
Bloedel Well #2	6/30/1999	456825	not specified
Bloedel Well #2	7/31/1999	443992	not specified
Bloedel Well #2	8/31/1999	598344	not specified
Bloedel Well #2	9/30/1999	413574	not specified
Bloedel Well #2	10/31/1999	198233	not specified
Bloedel Well #2	11/30/1999	21854	not specified
Bloedel Well #2	12/31/1999	68616	not specified
Bloedel Well #2	1/31/2000	38815	not specified
Bloedel Well #2	2/29/2000	30043	not specified
Bloedel Well #2	3/31/2000	30863	not specified
Bloedel Well #2	4/30/2000	61816	not specified
Bloedel Well #2	5/31/2000	104909	not specified
Bloedel Well #2	6/30/2000	213244	not specified
Bloedel Well #2	7/31/2000	723377	not specified
Bloedel Well #2	8/31/2000	619811	not specified
Bloedel Well #2	9/30/2000	508159	not specified
Bloedel Well #2	10/31/2000	100041	not specified
Bloedel Well #2	11/30/2000	20139	not specified
Bloedel Well #2	12/31/2000	26359	not specified
Bloedel Well #2	1/31/2001	35809	not specified
Bloedel Well #2	2/28/2001	37683	not specified
Bloedel Well #2	3/31/2001	47856	not specified
Bloedel Well #2	4/30/2001	47737	not specified
Bloedel Well #2	5/31/2001	272229	not specified
Bloedel Well #2	6/30/2001	402559	not specified
Bloedel Well #2	7/31/2001	594368	not specified
Bloedel Well #2	8/31/2001	470068	not specified
Bloedel Well #2	9/30/2001	389636	not specified
Bloedel Well #2	10/31/2001	193258	not specified
Bloedel Well #2	11/30/2001	20805	not specified
Bloedel Well #2	12/31/2001	18476	not specified
Bloedel Well #2	1/31/2002	20011	not specified
Bloedel Well #2	2/28/2002	23037	not specified
Bloedel Well #2	3/31/2002	21703	not specified
Bloedel Well #2	4/30/2002	132276	not specified
Bloedel Well #2	5/31/2002	223275	not specified
Bloedel Well #2	6/30/2002	559190	not specified
Bloedel Well #2	7/31/2002	688786	not specified
Bloedel Well #2	8/31/2002	923849	not specified
Bloedel Well #2	9/30/2002	874348	not specified
Bloedel Well #2	10/31/2002	234892	not specified
Bloedel Well #2	11/30/2002	42457	not specified
Bloedel Well #2	12/31/2002	28220	not specified
Bloedel Well #2	1/31/2003	24658	not specified
Bloedel Well #2	2/28/2003	29470	not specified

Production Well	Measurement Date	Production Voulme	Technician
Bloedel Well #2	3/31/2003	35932	not specified
Bloedel Well #2	4/30/2003	67398	not specified
Bloedel Well #2	5/31/2003	257410	not specified
Bloedel Well #2	6/30/2003	1069615	not specified
Bloedel Well #2	7/31/2003	1200320	not specified
Bloedel Well #2	8/31/2003	1181038	not specified
Bloedel Well #2	9/30/2003	708052	not specified
Bloedel Well #2	10/31/2003	94922	not specified
Bloedel Well #2	11/30/2003	24732	not specified
Bloedel Well #2	12/31/2003	33112	not specified
Bloedel Well #2	1/31/2004	20967	not specified
Bloedel Well #2	2/29/2004	26417	not specified
Bloedel Well #2	3/31/2004	33460	not specified
Bloedel Well #2	4/30/2004	259864	not specified
Bloedel Well #2	5/31/2004	630304	not specified
Bloedel Well #2	6/30/2004	949400	not specified
Bloedel Well #2	7/31/2004	1179530	not specified
Bloedel Well #2	8/31/2004	992100	not specified
Bloedel Well #2	9/30/2004	95465	not specified
Bloedel Well #2	10/31/2004	88335	not specified
Bloedel Well #2	11/30/2004	33190	not specified
Bloedel Well #2	12/31/2004	20859	not specified
Bloedel Well #2	1/31/2005	33290	not specified
Bloedel Well #2	2/28/2005	31945	not specified
Bloedel Well #2	3/31/2005	108280	not specified
Bloedel Well #2	4/30/2005	64570	not specified
Bloedel Well #2	5/31/2005	307675	not specified
Bloedel Well #2	6/30/2005	232640	not specified
Bloedel Well #2	7/31/2005	685635	not specified
Bloedel Well #2	8/31/2005	1422350	not specified
Bloedel Well #2	9/30/2005	429780	not specified
Bloedel Well #2	10/31/2005	97455	not specified
Bloedel Well #2	11/30/2005	25645	not specified
Bloedel Well #2	12/31/2005	24845	not specified
Bloedel Well #2	1/31/2006	34640	not specified
Bloedel Well #2	2/28/2006	28495	not specified
Bloedel Well #2	3/31/2006	55020	not specified
Bloedel Well #2	4/30/2006	68000	not specified
Bloedel Well #2	5/31/2006	350415	not specified
Bloedel Well #2	6/30/2006	457710	not specified
Bloedel Well #2	7/31/2006	1420700	not specified
Bloedel Well #2	8/31/2006	957470	not specified
Bloedel Well #2	9/30/2006	349395	not specified
Bloedel Well #2	10/31/2006	302125	not specified
Bloedel Well #2	11/30/2006	26770	not specified
Bloedel Well #2	12/31/2006	29075	not specified
Bloedel Well #2	1/31/2007	34905	not specified
Bloedel Well #2	2/28/2007	29890	not specified
Bloedel Well #2	3/31/2007	33120	not specified
Bloedel Well #2	4/30/2007	108630	not specified
Bloedel Well #2	5/31/2007	382780	not specified

Production Well	Measurement Date	Production Voulme	Technician
Bloedel Well #2	6/30/2007	464985	not specified
Bloedel Well #2	7/31/2007	1140745	not specified
Bloedel Well #2	8/31/2007	612985	not specified
Bloedel Well #2	9/30/2007	421665	not specified
Bloedel Well #2	10/31/2007	56085	not specified
Bloedel Well #2	11/30/2007	43725	not specified
Bloedel Well #2	12/31/2007	35635	not specified
Bloedel Well #2	1/31/2008	33935	not specified
Bloedel Well #2	2/29/2008	36150	not specified
Bloedel Well #2	3/31/2008	54575	not specified
Bloedel Well #2	4/30/2008	52155	not specified
Bloedel Well #2	5/31/2008	185675	not specified
Bloedel Well #2	6/30/2008	566110	not specified
Bloedel Well #2	7/31/2008	934180	not specified
Bloedel Well #2	8/31/2008	757990	not specified
Bloedel Well #2	9/30/2008	434895	not specified
Bloedel Well #2	10/31/2008	96355	not specified
Bloedel Well #2	11/30/2008	39190	not specified
Bloedel Well #2	12/31/2008	36400	not specified
Bloedel Well #2	1/31/2009	42630	not specified
Bloedel Well #2	2/28/2009	44675	not specified
Bloedel Well #2	3/31/2009	68435	not specified
Bloedel Well #2	4/30/2009	59850	not specified
Bloedel Well #2	5/31/2009	135475	not specified
Bloedel Well #2	6/30/2009	967625	not specified
Bloedel Well #2	7/31/2009	1072530	not specified
Bloedel Well #2	8/31/2009	929550	not specified
Bloedel Well #2	9/30/2009	279140	not specified
Bloedel Well #2	10/31/2009	105660	not specified
Bloedel Well #2	11/30/2009	59285	not specified
Bloedel Well #2	12/31/2009	46934	not specified
Bloedel Well #2	1/31/2010	27910	not specified
Bloedel Well #2	2/28/2010	27790	not specified
Bloedel Well #2	3/31/2010	45430	not specified
Bloedel Well #2	4/30/2010	203194	not specified
Bloedel Well #2	5/31/2010	135255	not specified
Bloedel Well #2	6/30/2010	167445	not specified
Bloedel Well #2	7/31/2010	875220	not specified
Bloedel Well #2	8/31/2010	891870	not specified
Bloedel Well #2	9/30/2010	149155	not specified
Bloedel Well #2	10/31/2010	67965	not specified
Bloedel Well #2	11/30/2010	45770	not specified
Bloedel Well #2	12/31/2010	29160	not specified
Bloedel Well #2	1/31/2011	34435	not specified
Bloedel Well #2	2/28/2011	21135	not specified
Bloedel Well #2	3/31/2011	30045	not specified
Bloedel Well #2	4/30/2011	48215	not specified
Bloedel Well #2	5/31/2011	118570	not specified
Bloedel Well #2	6/30/2011	415200	not specified
Bloedel Well #2	7/31/2011	736435	not specified
Bloedel Well #2	8/31/2011	903705	not specified

Production Well	Measurement Date	Production Voulme	Technician
Bloedel Well #2	9/30/2011	563275	not specified
Bloedel Well #2	10/31/2011	87045	not specified
Bloedel Well #2	11/30/2011	31075	not specified
Bloedel Well #2	12/31/2011	33135	not specified
Bloedel Well #2	1/31/2012	36980	not specified
Bloedel Well #2	2/29/2012	32605	not specified
Bloedel Well #2	3/31/2012	33510	not specified
Bloedel Well #2	4/30/2012	103325	not specified
Bloedel Well #2	5/31/2012	298310	not specified
Bloedel Well #2	6/30/2012	303260	not specified
Bloedel Well #2	7/31/2012	568865	not specified
Bloedel Well #2	8/31/2012	843225	not specified
Bloedel Well #2	9/30/2012	699355	not specified
Bloedel Well #2	10/31/2012	208485	not specified
Bloedel Well #2	11/30/2012	52030	not specified
Bloedel Well #2	12/31/2012	47530	not specified
Bloedel Well #2	1/31/2013	32870	not specified
Bloedel Well #2	2/28/2013	30480	not specified
Bloedel Well #2	3/31/2013	33320	not specified
Bloedel Well #2	4/30/2013	72880	not specified
Bloedel Well #2	5/31/2013	476600	not specified
Bloedel Well #2	6/30/2013	602040	not specified
Bloedel Well #2	7/31/2013	1354235	not specified
Bloedel Well #2	8/31/2013	912695	not specified
Bloedel Well #2	9/30/2013	210315	not specified
Bloedel Well #2	10/31/2013	75900	not specified
Bloedel Well #2	11/30/2013	35155	not specified
Bloedel Well #2	12/31/2013	41235	not specified
Bloedel Well #2	1/31/2014	29065	not specified
Bloedel Well #2	2/28/2014	20940	not specified
Bloedel Well #2	3/31/2014	67480	not specified
Bloedel Well #2	4/30/2014	83820	not specified
Bloedel Well #2	5/31/2014	338620	not specified
Bloedel Well #2	6/30/2014	693820	not specified
Bloedel Well #2	7/31/2014	901505	not specified
Bloedel Well #2	8/31/2014	788225	not specified
Bloedel Well #2	9/30/2014	477365	not specified
Bloedel Well #2	10/31/2014	75210	not specified
Bloedel Well #2	11/30/2014	38255	not specified
Bloedel Well #2	12/31/2014	25870	not specified
Bloedel Well #2	1/31/2015	31670	not specified
Bloedel Well #2	2/28/2015	37435	not specified
Bloedel Well #2	3/31/2015	73355	not specified
Bloedel Well #2	4/30/2015	138900	not specified
Bloedel Well #2	5/31/2015	557090	not specified
Bloedel Well #2	6/30/2015	1161745	not specified
Bloedel Well #2	7/31/2015	1315530	not specified
Bloedel Well #2	8/31/2015	1169445	not specified
Bloedel Well #2	9/30/2015	176175	not specified
Bloedel Well #2	10/31/2015	142360	not specified
Bloedel Well #2	11/30/2015	57005	not specified

Production Well	Measurement Date	Production Voulme	Technician
Bloedel Well #2	12/31/2015	44305	not specified
Bloedel Well #2	1/31/2016	29360	not specified
Bloedel Well #2	2/29/2016	57100	not specified
Bloedel Well #2	3/31/2016	72650	not specified
Bloedel Well #2	4/30/2016	154920	not specified
Bloedel Well #2	5/31/2016	568480	not specified
Bloedel Well #2	6/30/2016	835910	not specified
Bloedel Well #2	7/31/2016	727845	not specified
Bloedel Well #2	8/31/2016	1148105	not specified
Bloedel Well #2	9/30/2016	348500	not specified
Bloedel Well #2	10/31/2016	131660	not specified
Bloedel Well #2	11/30/2016	53125	not specified
Bloedel Well #2	12/31/2016	44905	not specified
Bloedel Well #2	1/31/2017	56255	not specified
Bloedel Well #2	2/28/2017	39640	not specified
Bloedel Well #2	3/31/2017	84915	not specified
Bloedel Well #2	4/30/2017	85505	not specified
Bloedel Well #2	5/31/2017	246550	not specified
Bloedel Well #2	6/30/2017	531075	not specified
Bloedel Well #2	7/31/2017	1417550	not specified
Bloedel Well #2	8/31/2017	1032450	not specified
Bloedel Well #2	9/30/2017	642610	not specified
Bloedel Well #2	10/31/2017	183085	not specified
Bloedel Well #2	11/30/2017	40220	not specified
Bloedel Well #2	12/31/2017	53620	not specified
Bloedel Well #2	1/31/2018	40395	not specified
Bloedel Well #2	2/28/2018	30025	not specified
Bloedel Well #2	3/31/2018	50465	not specified
Bloedel Well #2	4/30/2018	119250	not specified
Bloedel Well #2	5/31/2018	605420	not specified
Bloedel Well #2	6/30/2018	832900	not specified
Bloedel Well #2	7/31/2018	1234045	not specified
Bloedel Well #2	8/31/2018	1130940	not specified
Bloedel Well #2	9/30/2018	681425	not specified
Bloedel Well #2	10/31/2018	248285	not specified
Bloedel Well #2	11/30/2018	87655	not specified
Bloedel Well #2	12/31/2018	94485	not specified
Bloedel Well #2	1/31/2019	69925	not specified
Bloedel Well #2	2/28/2019	61945	not specified
Bloedel Well #2	3/31/2019	123775	not specified
Bloedel Well #2	4/30/2019	184760	not specified
Bloedel Well #2	5/31/2019	602218	not specified
Bloedel Well #2	6/30/2019	663395	not specified
Bloedel Well #2	7/31/2019	838835	not specified
Bloedel Well #2	8/31/2019	759270	not specified
Bloedel Well #2	9/30/2019	525380	not specified
Bloedel Well #2	10/31/2019	85765	not specified
Bloedel Well #2	11/30/2019	44110	not specified
Bloedel Well #2	12/31/2019	45135	not specified
Bloedel Well #2	1/31/2020	38120	not specified
Bloedel Well #2	2/29/2020	42650	not specified

Production Well	Measurement Date	Production Voulme	Technician
Bloedel Well #2	3/31/2020	44290	not specified
Bloedel Well #2	4/30/2020	112570	not specified
Bloedel Well #2	5/31/2020	352750	not specified
Bloedel Well #2	6/30/2020	459960	not specified
Bloedel Well #2	7/31/2020	554820	not specified
Bloedel Well #2	8/31/2020	1415470	not specified
Bloedel Well #2	9/30/2020	757235	not specified
Bloedel Well #2	10/31/2020	61400	not specified
Bloedel Well #2	11/30/2020	59355	not specified
Bloedel Well #2	12/31/2020	40760	not specified
Bloedel Well #2	1/31/2021	35885	not specified
Bloedel Well #2	2/28/2021	53765	not specified
Bloedel Well #2	3/31/2021	82905	not specified
Bloedel Well #2	4/30/2021	162730	not specified
Bloedel Well #2	5/31/2021	458060	not specified
Bloedel Well #2	6/30/2021	891840	not specified
Bloedel Well #2	7/31/2021	1272890	not specified
Bloedel Well #2	8/31/2021	1375860	not specified
Bloedel Well #2	9/30/2021	584265	not specified
Bloedel Well #2	10/31/2021	76935	not specified
Bloedel Well #2	11/30/2021	40275	not specified
Bloedel Well #2	12/31/2021	26880	not specified
Bloedel Well #2	1/31/2022	31235	not specified
Bloedel Well #2	2/28/2022	32800	not specified
Bloedel Well #2	3/31/2022	29520	not specified
Bloedel Well #2	4/30/2022	52550	not specified
Bloedel Well #2	5/31/2022	117150	not specified
Bloedel Well #2	6/30/2022	199960	not specified
Bloedel Well #2	7/31/2022	947540	not specified
Bloedel Well #2	8/31/2022	1508340	not specified
Bloedel Well #2	9/30/2022	978150	not specified
Bloedel Well #2	10/31/2022	451400	not specified
Bloedel Well #2	11/30/2022	35940	not specified
Bloedel Well #2	12/31/2022	24530	not specified
Bloedel Well #2	1/31/2023	38905	not specified
Bloedel Well #2	2/28/2023	39880	not specified
Bloedel Well #2	3/31/2023	31685	not specified
Bloedel Well #2	4/30/2023	69890	not specified
Bloedel Well #2	5/31/2023	389870	not specified
Bloedel Well #2	6/30/2023	861555	not specified
Bloedel Well #2	7/31/2023	1476469	not specified
Bloedel Well #2	8/31/2023	1287924	not specified
Bloedel Well #2	9/30/2023	480665	not specified
Bloedel Well #2	10/31/2023	149080	not specified
Bloedel Well #2	11/30/2023	83284	not specified
Bloedel Well #2	12/31/2023	75159	not specified
Port Madison #4	9/30/2007	393747.2	KPUD
Port Madison #4	10/31/2007	415289.6	KPUD
Port Madison #4	11/30/2007	671105.6	KPUD
Port Madison #4	12/31/2007	525096	KPUD
Port Madison #4	1/31/2008	466752	KPUD

Production Well	Measurement Date	Production Voulme	Technician
Port Madison #4	2/29/2008	390082	KPUD
Port Madison #4	3/31/2008	381405.2	KPUD
Port Madison #4	4/30/2008	441245.2	KPUD
Port Madison #4	5/31/2008	512305.2	KPUD
Port Madison #4	6/30/2008	595856.8	KPUD
Port Madison #4	7/31/2008	957963.6	KPUD
Port Madison #4	8/31/2008	689581.2	KPUD
Port Madison #4	9/30/2008	456953.2	KPUD
Port Madison #4	10/31/2008	439749.2	KPUD
Port Madison #4	11/30/2008	291794.8	KPUD
Port Madison #4	12/31/2008	449323.6	KPUD
Port Madison #4	1/31/2009	319844.8	KPUD
Port Madison #4	2/28/2009	295534.8	KPUD
Port Madison #4	3/31/2009	379236	KPUD
Port Madison #4	4/30/2009	317750.4	KPUD
Port Madison #4	5/31/2009	394570	KPUD
Port Madison #4	6/30/2009	1124169.2	KPUD
Port Madison #4	7/31/2009	1568032.4	KPUD
Port Madison #4	8/31/2009	1004564	KPUD
Port Madison #4	9/30/2009	703269.6	KPUD
Port Madison #4	10/31/2009	352906.4	KPUD
Port Madison #4	11/30/2009	394869.2	KPUD
Port Madison #4	12/31/2009	333832.4	KPUD
Port Madison #4	1/31/2010	314234.8	KPUD
Port Madison #4	2/28/2010	265988.8	KPUD
Port Madison #4	3/31/2010	404967.2	KPUD
Port Madison #4	4/30/2010	344454	KPUD
Port Madison #4	5/31/2010	357244.8	KPUD
Port Madison #4	6/30/2010	478869.6	KPUD
Port Madison #4	7/31/2010	1177501.6	KPUD
Port Madison #4	8/31/2010	1145898.6	KPUD
Port Madison #4	9/30/2010	362518.2	KPUD
Port Madison #4	10/31/2010	352756.8	KPUD
Port Madison #4	11/30/2010	433092	KPUD
Port Madison #4	12/31/2010	428903.2	KPUD
Port Madison #4	1/31/2011	471913.2	KPUD
Port Madison #4	2/28/2011	512454.8	KPUD
Port Madison #4	3/31/2011	431222	KPUD
Port Madison #4	4/30/2011	431147.2	KPUD
Port Madison #4	5/31/2011	397412.4	KPUD
Port Madison #4	6/30/2011	434363.6	KPUD
Port Madison #4	7/31/2011	1147432	KPUD
Port Madison #4	8/31/2011	892588.4	KPUD
Port Madison #4	9/30/2011	781286	KPUD
Port Madison #4	10/31/2011	298676.4	KPUD
Port Madison #4	11/30/2011	275638	KPUD
Port Madison #4	12/31/2011	281547.2	KPUD
Port Madison #4	1/31/2012	363602.8	KPUD
Port Madison #4	2/29/2012	414392	KPUD
Port Madison #4	3/31/2012	291271.2	KPUD
Port Madison #4	4/30/2012	294113.6	KPUD

Production Well	Measurement Date	Production Voulme	Technician
Port Madison #4	5/31/2012	478794.8	KPUD
Port Madison #4	6/30/2012	368165.6	KPUD
Port Madison #4	7/31/2012	457252.4	KPUD
Port Madison #4	8/31/2012	1301220.8	KPUD
Port Madison #4	9/30/2012	740968.8	KPUD
Port Madison #4	10/31/2012	317900	KPUD
Port Madison #4	11/30/2012	257760.8	KPUD
Port Madison #4	12/31/2012	263744.8	KPUD
Port Madison #4	1/31/2013	322762	KPUD
Port Madison #4	2/28/2013	240556.8	KPUD
Port Madison #4	3/31/2013	277433.2	KPUD
Port Madison #4	4/30/2013	367492.4	KPUD
Port Madison #4	5/31/2013	351709.6	KPUD
Port Madison #4	6/30/2013	621214	KPUD
Port Madison #4	7/31/2013	1721671.6	KPUD
Port Madison #4	8/31/2013	1256939.2	KPUD
Port Madison #4	9/30/2013	711572.4	KPUD
Port Madison #4	10/31/2013	340714	KPUD
Port Madison #4	11/30/2013	305707.6	KPUD
Port Madison #4	12/31/2013	288503.6	KPUD
Port Madison #4	1/31/2014	237190.8	KPUD
Port Madison #4	2/28/2014	255367.2	KPUD
Port Madison #4	3/31/2014	225297.6	KPUD
Port Madison #4	4/30/2014	283940.8	KPUD
Port Madison #4	5/31/2014	336899.2	KPUD
Port Madison #4	6/30/2014	607899.6	KPUD
Port Madison #4	7/31/2014	1288804	KPUD
Port Madison #4	8/31/2014	814721.6	KPUD
Port Madison #4	9/30/2014	534894.8	KPUD
Port Madison #4	10/31/2014	390680.4	KPUD
Port Madison #4	11/30/2014	164335.6	KPUD
Port Madison #4	12/31/2014	273468.8	KPUD
Port Madison #4	1/31/2015	226344.8	KPUD
Port Madison #4	2/28/2015	220734.8	KPUD
Port Madison #4	3/31/2015	299125.2	KPUD
Port Madison #4	4/30/2015	266362.8	KPUD
Port Madison #4	5/31/2015	353056	KPUD
Port Madison #4	6/30/2015	1167478.4	KPUD
Port Madison #4	7/31/2015	1833572.4	KPUD
Port Madison #4	8/31/2015	951680.4	KPUD
Port Madison #4	9/30/2015	370110.4	KPUD
Port Madison #4	10/31/2015	269504.4	KPUD
Port Madison #4	11/30/2015	240556.8	KPUD
Port Madison #4	12/31/2015	283043.2	KPUD
Port Madison #4	1/31/2016	268831.2	KPUD
Port Madison #4	2/29/2016	178846.8	KPUD
Port Madison #4	3/31/2016	201436.4	KPUD
Port Madison #4	4/30/2016	369063.2	KPUD
Port Madison #4	5/31/2016	454260.4	KPUD
Port Madison #4	6/30/2016	676566	KPUD
Port Madison #4	7/31/2016	958936	KPUD

Production Well	Measurement Date	Production Voulme	Technician
Port Madison #4	8/31/2016	1176828.4	KPUD
Port Madison #4	9/30/2016	626225.6	KPUD
Port Madison #4	10/31/2016	321191.2	KPUD
Port Madison #4	11/30/2016	285062.8	KPUD
Port Madison #4	12/31/2016	244446.4	KPUD
Port Madison #4	1/31/2017	246092	KPUD
Port Madison #4	2/28/2017	335029.2	KPUD
Port Madison #4	3/31/2017	161642.8	KPUD
Port Madison #4	4/30/2017	356945.6	KPUD
Port Madison #4	5/31/2017	577755.2	KPUD
Port Madison #4	6/30/2017	715462	KPUD
Port Madison #4	7/31/2017	1213480.4	KPUD
Port Madison #4	8/31/2017	1520085.6	KPUD
Port Madison #4	9/30/2017	768719.6	KPUD
Port Madison #4	10/31/2017	430922.8	KPUD
Port Madison #4	11/30/2017	420525.6	KPUD
Port Madison #4	12/31/2017	250206	KPUD
Port Madison #4	1/31/2018	336674.8	KPUD
Port Madison #4	2/28/2018	261650.4	KPUD
Port Madison #4	3/31/2018	271748.4	KPUD
Port Madison #4	4/30/2018	331139.6	KPUD
Port Madison #4	5/31/2018	941806.8	KPUD
Port Madison #4	6/30/2018	651582.8	KPUD
Port Madison #4	7/31/2018	1238014.8	KPUD
Port Madison #4	8/31/2018	1401153.6	KPUD
Port Madison #4	9/30/2018	918394.4	KPUD
Port Madison #4	10/31/2018	456504.4	KPUD
Port Madison #4	11/30/2018	491510.8	KPUD
Port Madison #4	12/31/2018	340983.28	KPUD
Port Madison #4	1/31/2019	375301.52	KPUD
Port Madison #4	2/28/2019	321415.6	KPUD
Port Madison #4	3/31/2019	289775.2	KPUD
Port Madison #4	4/30/2019	339292.8	KPUD
Port Madison #4	5/31/2019	775601.2	KPUD
Port Madison #4	6/30/2019	877927.6	KPUD
Port Madison #4	7/31/2019	1102178	KPUD
Port Madison #4	8/31/2019	831476.8	KPUD
Port Madison #4	9/30/2019	627272.8	KPUD
Port Madison #4	10/31/2019	447827.6	KPUD
Port Madison #4	11/30/2019	219463.2	KPUD
Port Madison #4	12/31/2019	288279.2	KPUD
Port Madison #4	1/31/2020	325230.4	KPUD
Port Madison #4	2/29/2020	212506.8	KPUD
Port Madison #4	3/31/2020	240332.4	KPUD
Port Madison #4	4/30/2020	518887.6	KPUD
Port Madison #4	5/31/2020	545217.2	KPUD
Port Madison #4	6/30/2020	481038.8	KPUD
Port Madison #4	7/31/2020	984966.4	KPUD
Port Madison #4	8/31/2020	1082281.2	KPUD
Port Madison #4	9/30/2020	896926.8	KPUD
Port Madison #4	10/31/2020	0	KPUD

Production Well	Measurement Date	Production Voulme	Technician
Port Madison #4	11/30/2020	0	KPUD
Port Madison #4	12/31/2020	0	KPUD
Port Madison #4	1/31/2021	1269281.2	KPUD
Port Madison #4	2/28/2021	308998.8	KPUD
Port Madison #4	3/31/2021	0	KPUD
Port Madison #4	4/30/2021	741268	KPUD
Port Madison #4	5/31/2021	851373.6	KPUD
Port Madison #4	6/30/2021	935374	KPUD
Port Madison #4	7/31/2021	1346250.4	KPUD
Port Madison #4	8/31/2021	1477225.2	KPUD
Port Madison #4	9/30/2021	779939.6	KPUD
Port Madison #4	10/31/2021	324332.8	KPUD
Port Madison #4	11/30/2021	338021.2	KPUD
Port Madison #4	12/31/2021	255741.2	KPUD
Port Madison #4	1/31/2022	409230.8	KPUD
Port Madison #4	2/28/2022	373925.2	KPUD
Port Madison #4	3/31/2022	434513.2	KPUD
Port Madison #4	4/30/2022	516045.2	KPUD
Port Madison #4	5/31/2022	512155.6	KPUD
Port Madison #4	6/30/2022	781734.8	KPUD
Port Madison #4	7/31/2022	976364.4	KPUD
Port Madison #4	8/31/2022	947566.4	KPUD
Port Madison #4	9/30/2022	985564.8	KPUD
Port Madison #4	10/31/2022	832972.8	KPUD
Port Madison #4	11/30/2022	233450.8	KPUD
Port Madison #4	12/31/2022	266362.8	KPUD
Port Madison #4	1/31/2023	312215.2	KPUD
Port Madison #4	2/28/2023	265943.92	KPUD
Port Madison #4	3/31/2023	267679.28	KPUD
Port Madison #4	4/30/2023	338619.6	KPUD
Port Madison #4	5/31/2023	711871.6	KPUD
Port Madison #4	6/30/2023	710300.8	KPUD
Port Madison #1	9/30/2007	473282.04	KPUD
Port Madison #1	10/31/2007	241506.76	KPUD
Port Madison #1	11/30/2007	8744.12	KPUD
Port Madison #1	12/31/2007	76333.4	KPUD
Port Madison #1	1/31/2008	258074.96	KPUD
Port Madison #1	2/29/2008	219261.24	KPUD
Port Madison #1	3/31/2008	206836.96	KPUD
Port Madison #1	4/30/2008	207973.92	KPUD
Port Madison #1	5/31/2008	191637.6	KPUD
Port Madison #1	6/30/2008	555980.92	KPUD
Port Madison #1	7/31/2008	654836.6	KPUD
Port Madison #1	8/31/2008	471180.16	KPUD
Port Madison #1	9/30/2008	369773.8	KPUD
Port Madison #1	10/31/2008	184052.88	KPUD
Port Madison #1	11/30/2008	113127.52	KPUD
Port Madison #1	12/31/2008	228888	KPUD
Port Madison #1	1/31/2009	122836.56	KPUD
Port Madison #1	2/28/2009	111115.4	KPUD
Port Madison #1	3/31/2009	170648.72	KPUD

Production Well	Measurement Date	Production Voulme	Technician
Port Madison #1	4/30/2009	229314.36	KPUD
Port Madison #1	5/31/2009	368180.56	KPUD
Port Madison #1	6/30/2009	186558.68	KPUD
Port Madison #1	7/31/2009	608550.36	KPUD
Port Madison #1	8/31/2009	747042.56	KPUD
Port Madison #1	9/30/2009	737894.52	KPUD
Port Madison #1	10/31/2009	339801.44	KPUD
Port Madison #1	11/30/2009	273753.04	KPUD
Port Madison #1	12/31/2009	245269.2	KPUD
Port Madison #1	1/31/2010	189423.52	KPUD
Port Madison #1	2/28/2010	462286.44	KPUD
Port Madison #1	3/31/2010	199386.88	KPUD
Port Madison #1	4/30/2010	0	KPUD
Port Madison #1	5/31/2010	604892.64	KPUD
Port Madison #1	6/30/2010	708924.48	KPUD
Port Madison #1	7/31/2010	476745.28	KPUD
Port Madison #1	8/31/2010	867044.2	KPUD
Port Madison #1	9/30/2010	374860.2	KPUD
Port Madison #1	10/31/2010	228566.36	KPUD
Port Madison #1	11/30/2010	317585.84	KPUD
Port Madison #1	12/31/2010	394106.24	KPUD
Port Madison #1	1/31/2011	547371.44	KPUD
Port Madison #1	2/28/2011	514766.12	KPUD
Port Madison #1	3/31/2011	330055	KPUD
Port Madison #1	4/30/2011	325918.56	KPUD
Port Madison #1	5/31/2011	458509.04	KPUD
Port Madison #1	6/30/2011	746758.32	KPUD
Port Madison #1	7/31/2011	820855.2	KPUD
Port Madison #1	8/31/2011	677067.16	KPUD
Port Madison #1	9/30/2011	754006.44	KPUD
Port Madison #1	10/31/2011	215715.72	KPUD
Port Madison #1	11/30/2011	182272.64	KPUD
Port Madison #1	12/31/2011	171157.36	KPUD
Port Madison #1	1/31/2012	97329.76	KPUD
Port Madison #1	2/29/2012	122043.68	KPUD
Port Madison #1	3/31/2012	182773.8	KPUD
Port Madison #1	4/30/2012	183761.16	KPUD
Port Madison #1	5/31/2012	434116.76	KPUD
Port Madison #1	6/30/2012	534685.36	KPUD
Port Madison #1	7/31/2012	656542.04	KPUD
Port Madison #1	8/31/2012	780119.12	KPUD
Port Madison #1	9/30/2012	770327.8	KPUD
Port Madison #1	10/31/2012	333697.76	KPUD
Port Madison #1	11/30/2012	150161	KPUD
Port Madison #1	12/31/2012	159122.04	KPUD
Port Madison #1	1/31/2013	192138.76	KPUD
Port Madison #1	2/28/2013	144752.96	KPUD
Port Madison #1	3/31/2013	163767.12	KPUD
Port Madison #1	4/30/2013	241185.12	KPUD
Port Madison #1	5/31/2013	502506.4	KPUD
Port Madison #1	6/30/2013	554888.84	KPUD

Production Well	Measurement Date	Production Voulme	Technician
Port Madison #1	7/31/2013	709687.44	KPUD
Port Madison #1	8/31/2013	404398.72	KPUD
Port Madison #1	9/30/2013	187598.4	KPUD
Port Madison #1	10/31/2013	83656.32	KPUD
Port Madison #1	11/30/2013	154723.8	KPUD
Port Madison #1	12/31/2013	182332.48	KPUD
Port Madison #1	1/31/2014	142793.2	KPUD
Port Madison #1	2/28/2014	109215.48	KPUD
Port Madison #1	3/31/2014	151896.36	KPUD
Port Madison #1	4/30/2014	211377.32	KPUD
Port Madison #1	5/31/2014	349532.92	KPUD
Port Madison #1	6/30/2014	601938.04	KPUD
Port Madison #1	7/31/2014	836638	KPUD
Port Madison #1	8/31/2014	659885.6	KPUD
Port Madison #1	9/30/2014	521700.08	KPUD
Port Madison #1	10/31/2014	283641.6	KPUD
Port Madison #1	11/30/2014	109604.44	KPUD
Port Madison #1	12/31/2014	288892.56	KPUD
Port Madison #1	1/31/2015	151163.32	KPUD
Port Madison #1	2/28/2015	147894.56	KPUD
Port Madison #1	3/31/2015	213561.48	KPUD
Port Madison #1	4/30/2015	279422.88	KPUD
Port Madison #1	5/31/2015	620121.92	KPUD
Port Madison #1	6/30/2015	610173.52	KPUD
Port Madison #1	7/31/2015	984577.44	KPUD
Port Madison #1	8/31/2015	630870.68	KPUD
Port Madison #1	9/30/2015	445276.92	KPUD
Port Madison #1	10/31/2015	235014.12	KPUD
Port Madison #1	11/30/2015	154013.2	KPUD
Port Madison #1	12/31/2015	192049	KPUD
Port Madison #1	1/31/2016	173363.96	KPUD
Port Madison #1	2/29/2016	112858.24	KPUD
Port Madison #1	3/31/2016	131730.28	KPUD
Port Madison #1	4/30/2016	309672	KPUD
Port Madison #1	5/31/2016	408497.76	KPUD
Port Madison #1	6/30/2016	596717	KPUD
Port Madison #1	7/31/2016	514317.32	KPUD
Port Madison #1	8/31/2016	718865.4	KPUD
Port Madison #1	9/30/2016	259877.64	KPUD
Port Madison #1	10/31/2016	154649	KPUD
Port Madison #1	11/30/2016	153699.04	KPUD
Port Madison #1	12/31/2016	132164.12	KPUD
Port Madison #1	1/31/2017	136569.84	KPUD
Port Madison #1	2/28/2017	182990.72	KPUD
Port Madison #1	3/31/2017	83566.56	KPUD
Port Madison #1	4/30/2017	203538.28	KPUD
Port Madison #1	5/31/2017	263827.08	KPUD
Port Madison #1	6/30/2017	415708.48	KPUD
Port Madison #1	7/31/2017	630466.76	KPUD
Port Madison #1	8/31/2017	810084	KPUD
Port Madison #1	9/30/2017	512970.92	KPUD

Production Well	Measurement Date	Production Voulme	Technician
Port Madison #1	10/31/2017	247034.48	KPUD
Port Madison #1	11/30/2017	199140.04	KPUD
Port Madison #1	12/31/2017	138365.04	KPUD
Port Madison #1	1/31/2018	177477.96	KPUD
Port Madison #1	2/28/2018	148896.88	KPUD
Port Madison #1	3/31/2018	188009.8	KPUD
Port Madison #1	4/30/2018	142284.56	KPUD
Port Madison #1	5/31/2018	315244.6	KPUD
Port Madison #1	6/30/2018	505633.04	KPUD
Port Madison #1	7/31/2018	564366	KPUD
Port Madison #1	8/31/2018	788967.96	KPUD
Port Madison #1	9/30/2018	494906.72	KPUD
Port Madison #1	10/31/2018	147311.12	KPUD
Port Madison #1	11/30/2018	123599.52	KPUD
Port Madison #1	12/31/2018	112372.04	KPUD
Port Madison #1	1/31/2019	139419.72	KPUD
Port Madison #1	2/28/2019	143451.44	KPUD
Port Madison #1	3/31/2019	106537.64	KPUD
Port Madison #1	4/30/2019	105610.12	KPUD
Port Madison #1	5/31/2019	498362.48	KPUD
Port Madison #1	8/31/2019	1766618.92	KPUD
Port Madison #1	9/30/2019	344416.6	KPUD
Port Madison #1	10/31/2019	170925.48	KPUD
Port Madison #1	11/30/2019	102573.24	KPUD
Port Madison #1	12/31/2019	169848.36	KPUD
Port Madison #1	1/31/2020	129740.6	KPUD
Port Madison #1	2/29/2020	108826.52	KPUD
Port Madison #1	3/31/2020	125499.44	KPUD
Port Madison #1	4/30/2020	250071.36	KPUD
Port Madison #1	5/31/2020	241858.32	KPUD
Port Madison #1	6/30/2020	308086.24	KPUD
Port Madison #1	7/31/2020	615349.68	KPUD
Port Madison #1	8/31/2020	625993.72	KPUD
Port Madison #1	9/30/2020	458890.52	KPUD
Port Madison #1	10/31/2020	0	KPUD
Port Madison #1	11/30/2020	0	KPUD
Port Madison #1	12/31/2020	0	KPUD
Port Madison #1	1/31/2021	624258.36	KPUD
Port Madison #1	2/28/2021	158867.72	KPUD
Port Madison #1	3/31/2021	0	KPUD
Port Madison #1	4/30/2021	408774.52	KPUD
Port Madison #1	5/31/2021	510569.84	KPUD
Port Madison #1	6/30/2021	556152.96	KPUD
Port Madison #1	7/31/2021	783918.96	KPUD
Port Madison #1	8/31/2021	952166.6	KPUD
Port Madison #1	9/30/2021	434311.24	KPUD
Port Madison #1	10/31/2021	140167.72	KPUD
Port Madison #1	11/30/2021	148358.32	KPUD
Port Madison #1	12/31/2021	125013.24	KPUD
Port Madison #1	1/31/2022	171636.08	KPUD
Port Madison #1	2/28/2022	130623.24	KPUD

Production Well	Measurement Date	Production Voulme	Technician
Port Madison #1	3/31/2022	128760.72	KPUD
Port Madison #1	4/30/2022	154192.72	KPUD
Port Madison #1	5/31/2022	125903.36	KPUD
Port Madison #1	6/30/2022	48343.24	KPUD
Port Madison #1	7/31/2022	990950.4	KPUD
Port Madison #1	8/31/2022	802140.24	KPUD
Port Madison #1	9/30/2022	574269.52	KPUD
Port Madison #1	10/31/2022	342449.36	KPUD
Port Madison #1	11/30/2022	111833.48	KPUD
Port Madison #1	12/31/2022	134812.04	KPUD
Port Madison #1	1/31/2023	147587.88	KPUD
Port Madison #1	2/28/2023	131079.52	KPUD
Port Madison #1	3/31/2023	125282.52	KPUD
Port Madison #1	4/30/2023	166811.48	KPUD
Port Madison #1	5/31/2023	376677.84	KPUD
Port Madison #1	6/30/2023	504683.08	KPUD
Meadowmeer #2	5/31/2020	2230000	KPUD
Meadowmeer #2	6/30/2020	2395600	KPUD
Meadowmeer #2	7/31/2020	2787600	KPUD
Meadowmeer #2	8/31/2020	2963500	KPUD
Meadowmeer #2	9/30/2020	2935000	KPUD
Meadowmeer #2	10/31/2020	0	KPUD
Meadowmeer #2	11/30/2020	0	KPUD
Meadowmeer #2	12/31/2020	0	KPUD
Meadowmeer #2	1/31/2021	103642300	KPUD
Meadowmeer #2	2/28/2021	1091000	KPUD
Meadowmeer #2	3/31/2021	1000000	KPUD
Meadowmeer #2	4/30/2021	1811100	KPUD
Meadowmeer #2	5/31/2021	2825600	KPUD
Meadowmeer #2	6/30/2021	2777800	KPUD
Meadowmeer #2	7/31/2021	4321300	KPUD
Meadowmeer #2	8/31/2021	3190200	KPUD
Meadowmeer #2	9/30/2021	2414600	KPUD
Meadowmeer #2	10/31/2021	1606800	KPUD
Meadowmeer #2	11/30/2021	1245500	KPUD
Meadowmeer #2	12/31/2021	1224400	KPUD
Meadowmeer #2	1/31/2022	1801900	KPUD
Meadowmeer #2	2/28/2022	1311600	KPUD
Meadowmeer #2	3/31/2022	1285200	KPUD
Meadowmeer #2	4/30/2022	1661100	KPUD
Meadowmeer #2	5/31/2022	1559200	KPUD
Meadowmeer #2	6/30/2022	1732500	KPUD
Meadowmeer #2	7/31/2022	3745000	KPUD
Meadowmeer #2	8/31/2022	3178700	KPUD
Meadowmeer #2	9/30/2022	2698900	KPUD
Meadowmeer #2	10/31/2022	2419100	KPUD
Meadowmeer #2	11/30/2022	1243700	KPUD
Meadowmeer #2	12/31/2022	1804200	KPUD
Meadowmeer #2	1/31/2023	1430800	KPUD
Meadowmeer #2	2/28/2023	1244100	KPUD
Meadowmeer #2	3/31/2023	1401000	KPUD

Production Well	Measurement Date	Production Voulme	Technician
Meadowmeer #2	4/30/2023	1626300	KPUD
Meadowmeer #2	5/31/2023	2267400	KPUD
Meadowmeer #2	6/30/2023	3514800	KPUD
Meadowmeer #2	7/31/2023	3281700	KPUD
Meadowmeer #2	8/31/2023	3198400	KPUD
Meadowmeer #2	9/30/2023	2742600	KPUD
Meadowmeer #2	10/31/2023	1651300	KPUD
Meadowmeer #2	11/30/2023	1380200	KPUD
Meadowmeer #2	12/31/2023	1824400	KPUD
Meadowmeer #5	5/31/2020	44150	KPUD
Meadowmeer #5	6/30/2020	53230	KPUD
Meadowmeer #5	7/31/2020	114360	KPUD
Meadowmeer #5	8/31/2020	153850	KPUD
Meadowmeer #5	9/30/2020	105580	KPUD
Meadowmeer #5	10/31/2020	1840	KPUD
Meadowmeer #5	11/30/2020	0	KPUD
Meadowmeer #5	12/31/2020	0	KPUD
Meadowmeer #5	1/31/2021	0	KPUD
Meadowmeer #5	2/28/2021	0	KPUD
Meadowmeer #5	3/31/2021	3330	KPUD
Meadowmeer #5	4/30/2021	17450	KPUD
Meadowmeer #5	5/31/2021	63550	KPUD
Meadowmeer #5	6/30/2021	128450	KPUD
Meadowmeer #5	7/31/2021	262000	KPUD
Meadowmeer #5	8/31/2021	168360	KPUD
Meadowmeer #5	9/30/2021	68950	KPUD
Meadowmeer #5	10/31/2021	46590	KPUD
Meadowmeer #5	11/30/2021	0	KPUD
Meadowmeer #5	12/31/2021	50	KPUD
Meadowmeer #5	1/31/2022	2100	KPUD
Meadowmeer #5	2/28/2022	50	KPUD
Meadowmeer #5	3/31/2022	0	KPUD
Meadowmeer #5	4/30/2022	0	KPUD
Meadowmeer #5	5/31/2022	500	KPUD
Meadowmeer #5	6/30/2022	20110	KPUD
Meadowmeer #5	7/31/2022	160490	KPUD
Meadowmeer #5	8/31/2022	142030	KPUD
Meadowmeer #5	9/30/2022	126590	KPUD
Meadowmeer #5	10/31/2022	62610	KPUD
Meadowmeer #5	11/30/2022	510	KPUD
Meadowmeer #5	12/31/2022	3870	KPUD
Meadowmeer #5	1/31/2023	0	KPUD
Meadowmeer #5	2/28/2023	510	KPUD
Meadowmeer #5	3/31/2023	520	KPUD
Meadowmeer #5	4/30/2023	1140	KPUD
Meadowmeer #5	5/31/2023	65600	KPUD
Meadowmeer #5	6/30/2023	160430	KPUD
Meadowmeer #5	7/31/2023	174370	KPUD
Meadowmeer #5	8/31/2023	180070	KPUD
Meadowmeer #5	9/30/2023	80070	KPUD
Meadowmeer #5	10/31/2023	32690	KPUD

Production Well	Measurement Date	Production Voulme	Technician
Meadowmeer #5	11/30/2023	4130	KPUD
Meadowmeer #5	12/31/2023	2310	KPUD
Ferncliff #2	7/31/2015	11550	KPUD
Ferncliff #2	8/31/2015	16810	KPUD
Ferncliff #2	9/30/2015	15940	KPUD
Ferncliff #2	10/31/2015	3400	KPUD
Ferncliff #2	11/30/2015	0	KPUD
Ferncliff #2	12/31/2015	0	KPUD
Ferncliff #2	1/31/2016	0	KPUD
Ferncliff #2	2/29/2016	0	KPUD
Ferncliff #2	3/31/2016	0	KPUD
Ferncliff #2	4/30/2016	0	KPUD
Ferncliff #2	5/31/2016	0	KPUD
Ferncliff #2	6/30/2016	0	KPUD
Ferncliff #2	7/31/2016	80	KPUD
Ferncliff #2	9/30/2016	0	KPUD
Ferncliff #2	10/31/2016	0	KPUD
Ferncliff #2	11/30/2016	0	KPUD
Ferncliff #2	12/31/2016	0	KPUD
Ferncliff #2	1/31/2017	0	KPUD
Ferncliff #2	2/28/2017	10	KPUD
Ferncliff #2	3/31/2017	0	KPUD
Ferncliff #2	4/30/2017	0	KPUD
Ferncliff #2	5/31/2017	0	KPUD
Ferncliff #2	6/30/2017	0	KPUD
Ferncliff #2	7/31/2017	0	KPUD
Ferncliff #2	8/31/2017	12420	KPUD
Ferncliff #2	9/30/2017	7620	KPUD
Ferncliff #2	10/31/2017	860	KPUD
Ferncliff #2	11/30/2017	0	KPUD
Ferncliff #2	12/31/2017	0	KPUD
Ferncliff #2	1/31/2018	0	KPUD
Ferncliff #2	2/28/2018	0	KPUD
Ferncliff #2	3/31/2018	0	KPUD
Ferncliff #2	4/30/2018	0	KPUD
Ferncliff #2	5/31/2018	0	KPUD
Ferncliff #2	6/30/2018	0	KPUD
Ferncliff #2	7/31/2018	0	KPUD
Ferncliff #2	8/31/2018	0	KPUD
Ferncliff #2	9/30/2018	0	KPUD
Ferncliff #2	10/31/2018	0	KPUD
Ferncliff #2	11/30/2018	0	KPUD
Ferncliff #2	12/31/2018	0	KPUD
Ferncliff #2	1/31/2019	0	KPUD
Ferncliff #2	2/28/2019	0	KPUD
Ferncliff #2	3/31/2019	0	KPUD
Ferncliff #2	4/30/2019	3340	KPUD
Ferncliff #2	5/31/2019	15170	KPUD
Ferncliff #2	6/30/2019	32010	KPUD
Ferncliff #2	7/31/2019	23290	KPUD
Ferncliff #2	8/31/2019	16160	KPUD

Production Well	Measurement Date	Production Voulme	Technician
Ferncliff #2	9/30/2019	7430	KPUD
Ferncliff #2	10/31/2019	0	KPUD
Ferncliff #2	11/30/2019	0	KPUD
Ferncliff #2	12/31/2019	0	KPUD
Ferncliff #2	1/31/2020	0	KPUD
Ferncliff #2	2/29/2020	0	KPUD
Ferncliff #2	3/31/2020	0	KPUD
Ferncliff #2	4/30/2020	0	KPUD
Ferncliff #2	5/31/2020	0	KPUD
Ferncliff #2	6/30/2020	0	KPUD
Ferncliff #2	7/31/2020	10060	KPUD
Ferncliff #2	8/31/2020	48850	KPUD
Ferncliff #2	9/30/2020	20160	KPUD
Ferncliff #2	10/31/2020	0	KPUD
Ferncliff #2	11/30/2020	0	KPUD
Ferncliff #2	12/31/2020	0	KPUD
Ferncliff #2	1/31/2021	0	KPUD
Ferncliff #2	2/28/2021	0	KPUD
Ferncliff #2	3/31/2021	0	KPUD
Ferncliff #2	4/30/2021	0	KPUD
Ferncliff #2	5/31/2021	0	KPUD
Ferncliff #2	6/30/2021	0	KPUD
Ferncliff #2	7/31/2021	0	KPUD
Ferncliff #2	8/31/2021	0	KPUD
Ferncliff #2	9/30/2021	0	KPUD
Ferncliff #2	10/31/2021	0	KPUD
Ferncliff #2	11/30/2021	0	KPUD
Ferncliff #2	12/31/2021	0	KPUD
Ferncliff #2	1/31/2022	0	KPUD
Ferncliff #2	2/28/2022	0	KPUD
Ferncliff #2	3/31/2022	0	KPUD
Ferncliff #2	4/30/2022	0	KPUD
Ferncliff #2	5/31/2022	0	KPUD
Ferncliff #2	6/30/2022	0	KPUD
Ferncliff #2	7/31/2022	0	KPUD
Ferncliff #2	8/31/2022	0	KPUD
Ferncliff #2	9/30/2022	0	KPUD
Ferncliff #2	10/31/2022	0	KPUD
Ferncliff #2	11/30/2022	0	KPUD
Ferncliff #2	12/31/2022	0	KPUD
Ferncliff #2	1/31/2023	0	KPUD
Ferncliff #2	2/28/2023	0	KPUD
Ferncliff #2	3/31/2023	0	KPUD
Ferncliff #2	4/30/2023	0	KPUD
Ferncliff #2	5/31/2023	0	KPUD
Ferncliff #2	6/30/2023	0	KPUD
Ferncliff #2	7/31/2023	0	KPUD
Ferncliff #1	1/31/2014	77690	KPUD
Ferncliff #1	2/28/2014	63540	KPUD
Ferncliff #1	3/31/2014	72350	KPUD
Ferncliff #1	4/30/2014	93200	KPUD

Production Well	Measurement Date	Production Voulme	Technician
Ferncliff #1	5/31/2014	114890	KPUD
Ferncliff #1	6/30/2014	141000	KPUD
Ferncliff #1	7/31/2014	233380	KPUD
Ferncliff #1	8/31/2014	174650	KPUD
Ferncliff #1	9/30/2014	162400	KPUD
Ferncliff #1	10/31/2014	68900	KPUD
Ferncliff #1	11/30/2014	56490	KPUD
Ferncliff #1	12/31/2014	172350	KPUD
Ferncliff #1	1/31/2015	180470	KPUD
Ferncliff #1	2/28/2015	185320	KPUD
Ferncliff #1	3/31/2015	164400	KPUD
Ferncliff #1	4/30/2015	222790	KPUD
Ferncliff #1	5/31/2015	109090	KPUD
Ferncliff #1	6/30/2015	160460	KPUD
Ferncliff #1	7/31/2015	136060	KPUD
Ferncliff #1	8/31/2015	110790	KPUD
Ferncliff #1	9/30/2015	58590	KPUD
Ferncliff #1	10/31/2015	46320	KPUD
Ferncliff #1	11/30/2015	44140	KPUD
Ferncliff #1	12/31/2015	59440	KPUD
Ferncliff #1	1/31/2016	42120	KPUD
Ferncliff #1	2/29/2016	56830	KPUD
Ferncliff #1	3/31/2016	59050	KPUD
Ferncliff #1	4/30/2016	59000	KPUD
Ferncliff #1	5/31/2016	73960	KPUD
Ferncliff #1	6/30/2016	155030	KPUD
Ferncliff #1	7/31/2016	175700	KPUD
Ferncliff #1	8/31/2016	165880	KPUD
Ferncliff #1	9/30/2016	109810	KPUD
Ferncliff #1	10/31/2016	67920	KPUD
Ferncliff #1	11/30/2016	53730	KPUD
Ferncliff #1	12/31/2016	39410	KPUD
Ferncliff #1	1/31/2017	48290	KPUD
Ferncliff #1	2/28/2017	41490	KPUD
Ferncliff #1	3/31/2017	51060	KPUD
Ferncliff #1	4/30/2017	52120	KPUD
Ferncliff #1	5/31/2017	63150	KPUD
Ferncliff #1	6/30/2017	99110	KPUD
Ferncliff #1	7/31/2017	166090	KPUD
Ferncliff #1	8/31/2017	183540	KPUD
Ferncliff #1	9/30/2017	145380	KPUD
Ferncliff #1	10/31/2017	68200	KPUD
Ferncliff #1	11/30/2017	51930	KPUD
Ferncliff #1	12/31/2017	40720	KPUD
Ferncliff #1	1/31/2018	67160	KPUD
Ferncliff #1	2/28/2018	82400	KPUD
Ferncliff #1	3/31/2018	0	KPUD
Ferncliff #1	4/30/2018	59160	KPUD
Ferncliff #1	5/31/2018	98980	KPUD
Ferncliff #1	6/30/2018	211630	KPUD
Ferncliff #1	7/31/2018	150150	KPUD

Production Well	Measurement Date	Production Voulme	Technician
Ferncliff #1	8/31/2018	177500	KPUD
Ferncliff #1	9/30/2018	98710	KPUD
Ferncliff #1	10/31/2018	76450	KPUD
Ferncliff #1	11/30/2018	45230	KPUD
Ferncliff #1	1/31/2019	96300	KPUD
Ferncliff #1	2/28/2019	85940	KPUD
Ferncliff #1	3/31/2019	42140	KPUD
Ferncliff #1	4/30/2019	58360	KPUD
Ferncliff #1	5/31/2019	146440	KPUD
Ferncliff #1	6/30/2019	209250	KPUD
Ferncliff #1	7/31/2019	170480	KPUD
Ferncliff #1	8/31/2019	115240	KPUD
Ferncliff #1	9/30/2019	105350	KPUD
Ferncliff #1	10/31/2019	106360	KPUD
Ferncliff #1	11/30/2019	57510	KPUD
Ferncliff #1	12/31/2019	74030	KPUD
Ferncliff #1	1/31/2020	54460	KPUD
Ferncliff #1	2/29/2020	93030	KPUD
Ferncliff #1	3/31/2020	43840	KPUD
Ferncliff #1	4/30/2020	98420	KPUD
Ferncliff #1	5/31/2020	86000	KPUD
Ferncliff #1	6/30/2020	91750	KPUD
Ferncliff #1	7/31/2020	195890	KPUD
Ferncliff #1	8/31/2020	175120	KPUD
Ferncliff #1	9/30/2020	135640	KPUD
Ferncliff #1	5/31/2021	135730	KPUD
Ferncliff #1	6/30/2021	142760	KPUD
Ferncliff #1	7/31/2021	172320	KPUD
Ferncliff #1	8/31/2021	232700	KPUD
Ferncliff #1	9/30/2021	186250	KPUD
Ferncliff #1	10/31/2021	127500	KPUD
Ferncliff #1	11/30/2021	112680	KPUD
Ferncliff #1	12/31/2021	79180	KPUD
Ferncliff #1	1/31/2022	133770	KPUD
Ferncliff #1	2/28/2022	55490	KPUD
Ferncliff #1	3/31/2022	87390	KPUD
Ferncliff #1	4/30/2022	132070	KPUD
Ferncliff #1	5/31/2022	112680	KPUD
Ferncliff #1	6/30/2022	106640	KPUD
Ferncliff #1	7/31/2022	215500	KPUD
Ferncliff #1	8/31/2022	185980	KPUD
Ferncliff #1	9/30/2022	203520	KPUD
Ferncliff #1	10/31/2022	260150	KPUD
Ferncliff #1	11/30/2022	128150	KPUD
Ferncliff #1	12/31/2022	138900	KPUD
Ferncliff #1	1/31/2023	170540	KPUD
Ferncliff #1	2/28/2023	134500	KPUD
Ferncliff #1	3/31/2023	142980	KPUD
Ferncliff #1	4/30/2023	195500	KPUD
Ferncliff #1	5/31/2023	220800	KPUD
Ferncliff #1	6/30/2023	228700	KPUD

Production Well	Measurement Date	Production Voulme	Technician
Ferncliff #1	7/31/2023	297550	KPUD
Ferncliff #1	8/31/2023	102120	KPUD
Ferncliff #1	9/30/2023	77260	KPUD
Ferncliff #1	10/31/2023	68280	KPUD
Ferncliff #1	11/30/2023	34660	KPUD
Ferncliff #1	12/31/2023	39270	KPUD

Groundwater Management Plan

Appendix H

Well Production of Select Municipal Wells

		Annual Production of Select Municipal Wells, 2001-2021. Bainbridge Island. Gallons																			
	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Fletcher Bay PW	94,649,000	97,447,000	93,663,000	98,964,000	86,037,000	62,608,000	102,157,000	75,674,000	65,147,552	73,484,768	60,082,594	54,726,328	55,289,200	80,553,000	87,119,000	96,013,000	89,011,000	84,818,000	92,883,000	89,879,000	95,485,000
Head of the Bay Well #1	317,400	4,043,800	3,981,252	37,520	78,000	155,000	633,000	1,086,000	3,167,670	3,351,270	3,207,465	4,635,071	2,064,967	2,650,564	4,469,558	3,434,018	91,002	23,012	7,000	119,000	15,000
Head of the Bay Well #1A	49,100	2,085,800	233,380	142,080	597,000	16,741,000	10,097,000	4,062,000	14,316,120	14,493,375	13,387,626	1,326,648	231,369	881,990	9,127,110	16,271,229	2,109,839	290,363	534,000	849,000	477,000
Head of the Bay Well #2	54,100	919,200	321,522	11,376,616	26,548,000	23,901,000	13,257,000	5,322,000	19,534,793	20,632,712	19,311,251	995,883	14,493,276	15,373,096	19,333,464	543,560	24,702,008	27,591,512	21,665,000	17,465,000	18,784,000
Head of the Bay Well #3	129,100	2,112,900	7,238,000	7,007,387	11,300,000	1,640,000	183,000	3,316,000	501,994	14,000	342,324	38,935,500	25,711,308	25,295,004	42,173,730	36,897,012	37,694,214	42,163,470	37,066,000	34,386,000	37,037,000
Head of the Bay Well #4	1,224,100	13,272,700	11,424,522	8,740,233	855,000	474,000	654,000	3,382,000	12,727,288	13,152,905	11,152,512	13,333,042	5,922,006	1,943,960	6,561,440	11,525,760	846,400	281,520	153,000	315,000	213,000
Head of the Bay Well #5	1,463,000	15,559,800	12,605,630	10,685,728	6,443,000	1,567,000	1,449,000	3,735,000	12,922,104	13,606,625	12,249,804	17,548,524	8,320,584	3,045,768	162,348	592,620	15,568,476	14,636,220	8,113,000	7,016,000	7,336,000
Head of the Bay Well #6	1,161,300	9,915,300	15,571,168	7,409,248	751,000	429,000	1,199,000	2,864,000	6,860,448	567,596	822,696	46,812	130,476	641,920	114,342	451,350	767,295	52,156	327,000	518,000	317,000
High School Well #2/Commodore	8,356,170	9,827,800	9,447,700	10,505,000	5,504,000	1,339,000	684,000	381,000	790,560	109,692	9,141	-	4,155	19,113	15,789	-	-	8,310	66,000	26,000	3,000
Island Utilities Well 1	-	-	-	-	-	-	-	-	-	56,800	4,200	400	-	98,000	16,439,200	-	-	1,996,600	4,173,300	3,039,100	6,353,700
Island Utilities Well 2	-	-	-	-	-	-	-	-	863,700	9,858,930	10,006,990	10,985,810	11,997,510	12,949,070	14,506,280	13,361,160	13,822,440	14,020,620	13,052,640	12,738,400	13,541,894
Island Utilities Well 3	-	-	-	-	-	-	-	-	-	-	-	-	-	17,582,782	23,560,656	14,124,000	13,550,700	16,655,600	17,545,200	17,435,100	18,021,000
North Bainbridge Well 03	906,700	-	5,777,300	33,011,300	34,557,500	5,456,500	25,539,000	26,361,000	21,056,000	19,703,000	19,522,600	20,544,900	15,794,700	21,942,900	20,704,600	22,814,200	25,563,300	9,369,400	10,755,200	14,851,400	19,227,600
North Bainbridge Well 06	-	-	-	-	2,558,900	-	600	-	4,009,170	7,491,130	4,212,030	6,063,800	6,275,120	7,676,380	5,431,820	-	13,366,760	822,510	12,300,800	9,099,500	14,811,900
North Bainbridge Well 07	40,412,944	45,241,284	49,569,960	38,743,408	28,124,300	11,348,500	31,867,700	33,440,700	34,599,700	29,998,500	33,767,200	34,558,100	44,371,300	41,427,700	33,590,800	38,380,800	45,470,700	40,903,500	38,084,700	38,883,500	46,125,500
North Bainbridge Well 09	71,403,000	84,768,000	95,712,000	76,553,000	89,812,970	23,634,000	63,953,400	65,842,800	69,858,000	65,162,800	63,445,400	68,099,900	68,863,900	76,040,000	63,482,500	72,828,300	61,212,600	79,467,300	75,250,300	77,767,300	74,333,000
North Bainbridge Well 10	-	-	-	-	-	-	-	-	3,637,500	3,276,400	2,345,136	13,560	759,240	824,904	4,076,156	1,777,700	1,096,900	4,518,000	1,354,480	6,163,900	8,833,100
Sands Road 1	11,587,289	18,046,000	15,430,073	14,373,598	39,888,000	64,542,000	50,951,000	43,080,000	46,570,404	36,620,682	44,492,274	44,004,717	47,235,150	49,327,125	38,394,065	39,432,845	40,745,250	48,935,095	51,607,000	55,060,000	60,933,000
Sands Road 2	35,306,873	85,130,000	86,782,303	88,197,673	48,679,000	55,647,000	53,355,000	44,573,000	49,953,572	39,406,050	51,620,274	47,576,340	54,391,626	50,918,130	39,277,625	40,722,365	42,314,365	50,426,600	52,932,000	58,477,000	61,135,000
South Bainbridge WS Well 7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	31,785,400	50,088,300	52,649,700	41,244,400	49,154,100	63,715,800	51,343,100
South Bainbridge WS Well 8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	33,070,620	70,458,200	63,583,200	87,144,100	68,042,100	65,986,300	89,728,400
South Bainbridge WS Well 9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5,239,600	4,416,000	4,503,700
Taylor Road Well	3,966,000	6,702,000	7,110,000	7,395,000	6,865,000	6,365,000	5,930,000	4,480,000	6,300,504	5,219,640	5,838,000	5,538,000	5,218,000	7,274,000	6,566,000	5,875,000	5,970,000	7,267,000	7,156,000	7,185,000	7,561,000

Notes: Blank cells may indicate no production or an unknown amount of produciton

Production Volume Data Used to Calibrate EA Groundwater Model 2025

Production Well	Measurement Date	Production Voulme	Technician
Bill Point Water Well 1	1/31/2018	0	KPUD
Bill Point Water Well 1	2/28/2018	0	KPUD
Bill Point Water Well 1	3/31/2018	0	KPUD
Bill Point Water Well 1	4/30/2018	0	KPUD
Bill Point Water Well 1	5/31/2018	0	KPUD
Bill Point Water Well 1	6/30/2018	0	KPUD
Bill Point Water Well 1	7/31/2018	0	KPUD
Bill Point Water Well 1	8/31/2018	0	KPUD
Bill Point Water Well 1	9/30/2018	0	KPUD
Bill Point Water Well 1	10/31/2018	0	KPUD
Bill Point Water Well 1	11/30/2018	0	KPUD
Bill Point Water Well 1	12/31/2018	0	KPUD
Bill Point Water Well 1	1/31/2019	0	KPUD
Bill Point Water Well 1	2/28/2019	0	KPUD
Bill Point Water Well 1	3/31/2019	0	KPUD
Bill Point Water Well 1	4/30/2019	0	KPUD
Bill Point Water Well 1	5/31/2019	0	KPUD
Bill Point Water Well 1	6/30/2019	0	KPUD
Bill Point Water Well 1	7/31/2019	0	KPUD
Bill Point Water Well 1	8/31/2019	0	KPUD
Bill Point Water Well 1	9/30/2019	0	KPUD
Bill Point Water Well 1	10/31/2019	0	KPUD
Bill Point Water Well 1	11/30/2019	0	KPUD
Bill Point Water Well 1	12/31/2019	0	KPUD
Bill Point Water Well 1	1/31/2020	0	KPUD
Bill Point Water Well 1	2/29/2020	0	KPUD
Bill Point Water Well 1	3/31/2020	0	KPUD
Bill Point Water Well 1	4/30/2020	0	KPUD
Bill Point Water Well 1	5/31/2020	0	KPUD
Bill Point Water Well 1	6/30/2020	0	KPUD
Bill Point Water Well 1	7/31/2020	0	KPUD
Bill Point Water Well 1	8/31/2020	0	KPUD
Bill Point Water Well 1	9/30/2020	0	KPUD
Bill Point Water Well 1	10/31/2020	0	KPUD
Bill Point Water Well 1	11/30/2020	0	KPUD
Bill Point Water Well 1	12/31/2020	0	KPUD
Bill Point Water Well 2	1/31/2018	50751.8	KPUD
Bill Point Water Well 2	2/28/2018	39913.28	KPUD
Bill Point Water Well 2	3/31/2018	35896.52	KPUD
Bill Point Water Well 2	4/30/2018	45493.36	KPUD
Bill Point Water Well 2	5/31/2018	61537.96	KPUD
Bill Point Water Well 2	6/30/2018	83873.24	KPUD
Bill Point Water Well 2	7/31/2018	108863.92	KPUD
Bill Point Water Well 2	8/31/2018	146982	KPUD
Bill Point Water Well 2	9/30/2018	119171.36	KPUD
Bill Point Water Well 2	10/31/2018	47692.48	KPUD
Bill Point Water Well 2	11/30/2018	42299.4	KPUD
Bill Point Water Well 2	12/31/2018	39681.4	KPUD
Bill Point Water Well 2	1/31/2019	50564.8	KPUD
Bill Point Water Well 2	2/28/2019	40840.8	KPUD
Bill Point Water Well 2	3/31/2019	40279.8	KPUD

Production Well	Measurement Date	Production Voulme	Technician
Bill Point Water Well 2	4/30/2019	30510.92	KPUD
Bill Point Water Well 2	5/31/2019	75443.28	KPUD
Bill Point Water Well 2	6/30/2019	80843.84	KPUD
Bill Point Water Well 2	7/31/2019	110689.04	KPUD
Bill Point Water Well 2	8/31/2019	79123.44	KPUD
Bill Point Water Well 2	9/30/2019	57057.44	KPUD
Bill Point Water Well 2	10/31/2019	39621.56	KPUD
Bill Point Water Well 2	11/30/2019	35559.92	KPUD
Bill Point Water Well 2	12/31/2019	57319.24	KPUD
Bill Point Water Well 2	1/31/2020	55359.48	KPUD
Bill Point Water Well 2	2/29/2020	49996.32	KPUD
Bill Point Water Well 2	3/31/2020	34490.28	KPUD
Bill Point Water Well 2	4/30/2020	61283.64	KPUD
Bill Point Water Well 2	5/31/2020	57955.04	KPUD
Bill Point Water Well 2	6/30/2020	60789.96	KPUD
Bill Point Water Well 2	7/31/2020	41792.44	KPUD
Bill Point Water Well 2	8/31/2020	114062.52	KPUD
Bill Point Water Well 2	9/30/2020	117421.04	KPUD
Bill Point Water Well 2	10/31/2020	55366.96	KPUD
Bill Point Water Well 2	11/30/2020	45463.44	KPUD
Bill Point Water Well 2	12/31/2020	72825.28	KPUD
Bill Point Water Well 2	1/31/2021	42740.72	KPUD
Bill Point Water Well 2	2/28/2021	29321.6	KPUD
Bill Point Water Well 2	3/31/2021	48440.48	KPUD
Bill Point Water Well 2	4/30/2021	68943.16	KPUD
Bill Point Water Well 2	5/31/2021	95055.84	KPUD
Bill Point Water Well 2	6/30/2021	128940.24	KPUD
Bill Point Water Well 2	7/31/2021	135836.8	KPUD
Bill Point Water Well 2	8/31/2021	152786.48	KPUD
Bill Point Water Well 2	9/30/2021	86887.68	KPUD
Bill Point Water Well 2	10/31/2021	76587.72	KPUD
Bill Point Water Well 2	11/30/2021	59810.08	KPUD
Bill Point Water Well 2	12/31/2021	59226.64	KPUD
Bill Point Water Well 2	1/31/2022	103268.88	KPUD
Bill Point Water Well 2	2/28/2022	59361.28	KPUD
Bill Point Water Well 2	3/31/2022	65764.16	KPUD
Bill Point Water Well 2	4/30/2022	62428.08	KPUD
Bill Point Water Well 2	5/31/2022	75944.44	KPUD
Bill Point Water Well 2	6/30/2022	69003	KPUD
Bill Point Water Well 2	7/31/2022	151784.16	KPUD
Bill Point Water Well 2	8/31/2022	101413.84	KPUD
Bill Point Water Well 2	9/30/2022	91787.08	KPUD
Bill Point Water Well 2	10/31/2022	87919.92	KPUD
Bill Point Water Well 2	11/30/2022	52300.16	KPUD
Bill Point Water Well 2	12/31/2022	61141.52	KPUD
Bill Point Water Well 2	1/31/2023	85219.64	KPUD
Bill Point Water Well 2	2/28/2023	67364.88	KPUD
Bill Point Water Well 2	3/31/2023	65218.12	KPUD
Bill Point Water Well 2	4/30/2023	104159	KPUD
Bill Point Water Well 2	5/31/2023	113217.28	KPUD
Bill Point Water Well 2	6/30/2023	90141.48	KPUD

Production Well	Measurement Date	Production Voulme	Technician
Bill Point Water Well 2	7/31/2023	60655.32	KPUD
Bill Point Water Well 3	1/31/2018	130200	KPUD
Bill Point Water Well 3	2/28/2018	102780	KPUD
Bill Point Water Well 3	3/31/2018	93140	KPUD
Bill Point Water Well 3	4/30/2018	118480	KPUD
Bill Point Water Well 3	5/31/2018	160490	KPUD
Bill Point Water Well 3	6/30/2018	218820	KPUD
Bill Point Water Well 3	7/31/2018	284190	KPUD
Bill Point Water Well 3	8/31/2018	383570	KPUD
Bill Point Water Well 3	9/30/2018	310750	KPUD
Bill Point Water Well 3	10/31/2018	124120	KPUD
Bill Point Water Well 3	11/30/2018	110540	KPUD
Bill Point Water Well 3	12/31/2018	103570	KPUD
Bill Point Water Well 3	1/31/2019	131810	KPUD
Bill Point Water Well 3	2/28/2019	106490	KPUD
Bill Point Water Well 3	3/31/2019	105200	KPUD
Bill Point Water Well 3	4/30/2019	130970	KPUD
Bill Point Water Well 3	5/31/2019	213410	KPUD
Bill Point Water Well 3	6/30/2019	211390	KPUD
Bill Point Water Well 3	7/31/2019	297370	KPUD
Bill Point Water Well 3	8/31/2019	268190	KPUD
Bill Point Water Well 3	9/30/2019	195940	KPUD
Bill Point Water Well 3	10/31/2019	157540	KPUD
Bill Point Water Well 3	11/30/2019	114510	KPUD
Bill Point Water Well 3	12/31/2019	139960	KPUD
Bill Point Water Well 3	1/31/2020	107080	KPUD
Bill Point Water Well 3	2/29/2020	132520	KPUD
Bill Point Water Well 3	3/31/2020	89790	KPUD
Bill Point Water Well 3	4/30/2020	150470	KPUD
Bill Point Water Well 3	5/31/2020	145180	KPUD
Bill Point Water Well 3	6/30/2020	161730	KPUD
Bill Point Water Well 3	7/31/2020	315630	KPUD
Bill Point Water Well 3	8/31/2020	327540	KPUD
Bill Point Water Well 3	9/30/2020	253830	KPUD
Bill Point Water Well 3	10/31/2020	138000	KPUD
Bill Point Water Well 3	11/30/2020	110660	KPUD
Bill Point Water Well 3	12/31/2020	195080	KPUD
Bill Point Water Well 3	1/31/2021	123800	KPUD
Bill Point Water Well 3	2/28/2021	53840	KPUD
Bill Point Water Well 3	3/31/2021	170000	KPUD
Bill Point Water Well 3	4/30/2021	200300	KPUD
Bill Point Water Well 3	5/31/2021	244600	KPUD
Bill Point Water Well 3	6/30/2021	282600	KPUD
Bill Point Water Well 3	7/31/2021	450700	KPUD
Bill Point Water Well 3	8/31/2021	337200	KPUD
Bill Point Water Well 3	9/30/2021	229600	KPUD
Bill Point Water Well 3	10/31/2021	157020	KPUD
Bill Point Water Well 3	11/30/2021	162526	KPUD
Bill Point Water Well 3	12/31/2021	144654	KPUD
Bill Point Water Well 3	1/31/2022	155119	KPUD
Bill Point Water Well 3	2/28/2022	133181	KPUD

Production Well	Measurement Date	Production Voulme	Technician
Bill Point Water Well 3	3/31/2022	139300	KPUD
Bill Point Water Well 3	4/30/2022	171600	KPUD
Bill Point Water Well 3	5/31/2022	146989	KPUD
Bill Point Water Well 3	6/30/2022	166611	KPUD
Bill Point Water Well 3	7/31/2022	207296	KPUD
Bill Point Water Well 3	8/31/2022	251016	KPUD
Bill Point Water Well 3	9/30/2022	220788	KPUD
Bill Point Water Well 3	10/31/2022	208400	KPUD
Bill Point Water Well 3	11/30/2022	121600	KPUD
Bill Point Water Well 3	12/31/2022	127200	KPUD
Bill Point Water Well 3	1/31/2023	145274	KPUD
Bill Point Water Well 3	2/28/2023	113226	KPUD
Bill Point Water Well 3	3/31/2023	107300	KPUD
Bill Point Water Well 3	4/30/2023	170429	KPUD
Bill Point Water Well 3	5/31/2023	229128	KPUD
Bill Point Water Well 3	6/30/2023	222443	KPUD
Bill Point Water Well 3	7/31/2023	69000	not specified
Bill Point Water Well 4	1/31/2018	141787.8	KPUD
Bill Point Water Well 4	2/28/2018	109909.8	KPUD
Bill Point Water Well 4	3/31/2018	101316.6	KPUD
Bill Point Water Well 4	4/30/2018	126680.4	KPUD
Bill Point Water Well 4	5/31/2018	170616.6	KPUD
Bill Point Water Well 4	6/30/2018	234788.4	KPUD
Bill Point Water Well 4	7/31/2018	303910	KPUD
Bill Point Water Well 4	8/31/2018	410800	KPUD
Bill Point Water Well 4	9/30/2018	332400	KPUD
Bill Point Water Well 4	10/31/2018	133960	KPUD
Bill Point Water Well 4	11/30/2018	118610	KPUD
Bill Point Water Well 4	12/31/2018	111990	KPUD
Bill Point Water Well 4	1/31/2019	142720	KPUD
Bill Point Water Well 4	2/28/2019	115820	KPUD
Bill Point Water Well 4	3/31/2019	114660	KPUD
Bill Point Water Well 4	4/30/2019	113340	KPUD
Bill Point Water Well 4	5/31/2019	212390	KPUD
Bill Point Water Well 4	6/30/2019	227960	KPUD
Bill Point Water Well 4	7/31/2019	311820	KPUD
Bill Point Water Well 4	8/31/2019	270110	KPUD
Bill Point Water Well 4	9/30/2019	168690	KPUD
Bill Point Water Well 4	10/31/2019	167230	KPUD
Bill Point Water Well 4	11/30/2019	146650	KPUD
Bill Point Water Well 4	12/31/2019	118090	KPUD
Bill Point Water Well 4	1/31/2020	113860	KPUD
Bill Point Water Well 4	2/29/2020	125120	KPUD
Bill Point Water Well 4	3/31/2020	102120	KPUD
Bill Point Water Well 4	4/30/2020	175780	KPUD
Bill Point Water Well 4	5/31/2020	183740	KPUD
Bill Point Water Well 4	6/30/2020	198290	KPUD
Bill Point Water Well 4	7/31/2020	372720	KPUD
Bill Point Water Well 4	8/31/2020	364130	KPUD
Bill Point Water Well 4	9/30/2020	380060	KPUD
Bill Point Water Well 4	10/31/2020	162560	KPUD

Production Well	Measurement Date	Production Voulme	Technician
Bill Point Water Well 4	11/30/2020	138820	KPUD
Bill Point Water Well 4	12/31/2020	225180	KPUD
Bill Point Water Well 4	1/31/2021	141310	KPUD
Bill Point Water Well 4	2/28/2021	142550	KPUD
Bill Point Water Well 4	3/31/2021	180140	KPUD
Bill Point Water Well 4	4/30/2021	174310	KPUD
Bill Point Water Well 4	5/31/2021	323630	KPUD
Bill Point Water Well 4	6/30/2021	306460	KPUD
Bill Point Water Well 4	7/31/2021	378110	KPUD
Bill Point Water Well 4	8/31/2021	426540	KPUD
Bill Point Water Well 4	9/30/2021	216730	KPUD
Bill Point Water Well 4	10/31/2021	146260	KPUD
Bill Point Water Well 4	11/30/2021	190730	KPUD
Bill Point Water Well 4	12/31/2021	162060	KPUD
Bill Point Water Well 4	1/31/2022	149790	KPUD
Bill Point Water Well 4	2/28/2022	131780	KPUD
Bill Point Water Well 4	3/31/2022	139040	KPUD
Bill Point Water Well 4	4/30/2022	147190	KPUD
Bill Point Water Well 4	5/31/2022	186060	KPUD
Bill Point Water Well 4	6/30/2022	166710	KPUD
Bill Point Water Well 4	7/31/2022	407190	KPUD
Bill Point Water Well 4	8/31/2022	267540	KPUD
Bill Point Water Well 4	9/30/2022	240510	KPUD
Bill Point Water Well 4	10/31/2022	255110	KPUD
Bill Point Water Well 4	11/30/2022	135910	KPUD
Bill Point Water Well 4	12/31/2022	130320	KPUD
Bill Point Water Well 4	1/31/2023	148120	KPUD
Bill Point Water Well 4	2/28/2023	125910	KPUD
Bill Point Water Well 4	3/31/2023	115210	KPUD
Bill Point Water Well 4	4/30/2023	178780	KPUD
Bill Point Water Well 4	5/31/2023	244870	KPUD
Bill Point Water Well 4	6/30/2023	230260	KPUD
Bill Point Water Well 4	7/31/2023	66020	KPUD
Fletcher Bay PW	12/31/1995	95944000	not specified
Fletcher Bay PW	12/31/1996	77571000	not specified
Fletcher Bay PW	12/31/1997	66761000	not specified
Fletcher Bay PW	12/31/1998	76615000	not specified
Fletcher Bay PW	12/31/1999	79564000	not specified
Fletcher Bay PW	12/31/2000	75607000	not specified
Fletcher Bay PW	1/15/2001	7393000	not specified
Fletcher Bay PW	2/15/2001	6120000	not specified
Fletcher Bay PW	3/15/2001	7124000	not specified
Fletcher Bay PW	4/15/2001	8809000	not specified
Fletcher Bay PW	5/15/2001	9165000	not specified
Fletcher Bay PW	6/15/2001	7798000	not specified
Fletcher Bay PW	7/15/2001	9957000	not specified
Fletcher Bay PW	8/15/2001	9161000	not specified
Fletcher Bay PW	9/15/2001	8360000	not specified
Fletcher Bay PW	10/15/2001	6364000	not specified
Fletcher Bay PW	11/15/2001	7585000	not specified
Fletcher Bay PW	12/15/2001	6813000	not specified

Production Well	Measurement Date	Production Voulme	Technician
Fletcher Bay PW	1/15/2002	6642000	not specified
Fletcher Bay PW	2/15/2002	5623000	not specified
Fletcher Bay PW	3/15/2002	6812000	not specified
Fletcher Bay PW	4/15/2002	6404000	not specified
Fletcher Bay PW	5/15/2002	7681000	not specified
Fletcher Bay PW	6/15/2002	10320000	not specified
Fletcher Bay PW	7/15/2002	10982000	not specified
Fletcher Bay PW	8/15/2002	12425000	not specified
Fletcher Bay PW	9/15/2002	9880000	not specified
Fletcher Bay PW	10/15/2002	7522000	not specified
Fletcher Bay PW	11/15/2002	6859000	not specified
Fletcher Bay PW	12/15/2002	6297000	not specified
Fletcher Bay PW	1/15/2003	5784000	not specified
Fletcher Bay PW	2/15/2003	3592000	not specified
Fletcher Bay PW	3/15/2003	6538000	not specified
Fletcher Bay PW	4/15/2003	5189000	not specified
Fletcher Bay PW	5/15/2003	8477000	not specified
Fletcher Bay PW	6/15/2003	10764000	not specified
Fletcher Bay PW	7/15/2003	13492000	not specified
Fletcher Bay PW	8/15/2003	11726000	not specified
Fletcher Bay PW	9/15/2003	9119000	not specified
Fletcher Bay PW	10/15/2003	7359000	not specified
Fletcher Bay PW	11/15/2003	5532000	not specified
Fletcher Bay PW	12/15/2003	6091000	not specified
Fletcher Bay PW	1/15/2004	4969000	not specified
Fletcher Bay PW	2/15/2004	4173000	not specified
Fletcher Bay PW	3/15/2004	6101000	not specified
Fletcher Bay PW	4/15/2004	8182000	not specified
Fletcher Bay PW	5/15/2004	7463000	not specified
Fletcher Bay PW	6/15/2004	11276000	not specified
Fletcher Bay PW	7/15/2004	12240000	not specified
Fletcher Bay PW	8/15/2004	11559000	not specified
Fletcher Bay PW	9/15/2004	5958000	not specified
Fletcher Bay PW	10/15/2004	6577000	not specified
Fletcher Bay PW	11/15/2004	7763000	not specified
Fletcher Bay PW	12/17/2004	4940000	COBI-PW
Fletcher Bay PW	1/13/2005	5263000	COBI-PW
Fletcher Bay PW	2/15/2005	8236000	COBI-PW
Fletcher Bay PW	3/17/2005	9001000	COBI-PW
Fletcher Bay PW	4/15/2005	8118000	COBI-PW
Fletcher Bay PW	5/17/2005	7674000	COBI-PW
Fletcher Bay PW	6/16/2005	5756000	COBI-PW
Fletcher Bay PW	7/15/2005	5938000	COBI-PW
Fletcher Bay PW	8/16/2005	10547000	COBI-PW
Fletcher Bay PW	9/13/2005	7625000	COBI-PW
Fletcher Bay PW	10/18/2005	8980000	COBI-PW
Fletcher Bay PW	11/16/2005	4490000	COBI-PW
Fletcher Bay PW	12/15/2005	4409000	COBI-PW
Fletcher Bay PW	1/12/2006	4343000	COBI-PW
Fletcher Bay PW	2/15/2006	4964000	COBI-PW
Fletcher Bay PW	3/16/2006	3893000	COBI-PW

Production Well	Measurement Date	Production Voulme	Technician
Fletcher Bay PW	4/17/2006	0	COBI-PW
Fletcher Bay PW	5/16/2006	0	COBI-PW
Fletcher Bay PW	6/15/2006	1465000	COBI-PW
Fletcher Bay PW	7/13/2006	8674000	COBI-PW
Fletcher Bay PW	8/17/2006	14116000	COBI-PW
Fletcher Bay PW	9/14/2006	9757000	COBI-PW
Fletcher Bay PW	10/12/2006	7177000	COBI-PW
Fletcher Bay PW	11/14/2006	2731000	COBI-PW
Fletcher Bay PW	12/14/2006	5488000	COBI-PW
Fletcher Bay PW	1/18/2007	7143000	COBI-PW
Fletcher Bay PW	2/14/2007	6478000	COBI-PW
Fletcher Bay PW	3/12/2007	8596000	COBI-PW
Fletcher Bay PW	4/17/2007	8347000	COBI-PW
Fletcher Bay PW	5/16/2007	7555000	COBI-PW
Fletcher Bay PW	6/14/2007	9228000	COBI-PW
Fletcher Bay PW	7/17/2007	12778000	COBI-PW
Fletcher Bay PW	8/14/2007	11076000	COBI-PW
Fletcher Bay PW	9/18/2007	12676000	COBI-PW
Fletcher Bay PW	10/17/2007	6423000	COBI-PW
Fletcher Bay PW	11/19/2007	6668000	COBI-PW
Fletcher Bay PW	12/18/2007	5189000	COBI-PW
Fletcher Bay PW	1/16/2008	5963000	COBI-PW
Fletcher Bay PW	2/14/2008	5779000	COBI-PW
Fletcher Bay PW	3/12/2008	6154000	COBI-PW
Fletcher Bay PW	4/15/2008	8268000	COBI-PW
Fletcher Bay PW	5/19/2008	8989000	COBI-PW
Fletcher Bay PW	6/17/2008	8671000	COBI-PW
Fletcher Bay PW	7/18/2008	11928000	COBI-PW
Fletcher Bay PW	8/14/2008	10372000	COBI-PW
Fletcher Bay PW	9/16/2008	9550000	COBI-PW
Fletcher Bay PW	1/15/2009	4417600	COBI-PW
Fletcher Bay PW	2/11/2009	4286076	COBI-PW
Fletcher Bay PW	3/13/2009	4396516	COBI-PW
Fletcher Bay PW	4/15/2009	1643548	COBI-PW
Fletcher Bay PW	5/14/2009	62248	COBI-PW
Fletcher Bay PW	6/17/2009	5933640	COBI-PW
Fletcher Bay PW	7/15/2009	9523944	COBI-PW
Fletcher Bay PW	8/13/2009	11376324	COBI-PW
Fletcher Bay PW	9/15/2009	9271940	COBI-PW
Fletcher Bay PW	10/14/2009	5904524	COBI-PW
Fletcher Bay PW	11/17/2009	4135476	COBI-PW
Fletcher Bay PW	12/16/2009	4195716	COBI-PW
Fletcher Bay PW	1/15/2010	2876460	COBI-PW
Fletcher Bay PW	2/18/2010	5734848	COBI-PW
Fletcher Bay PW	3/16/2010	5200720	COBI-PW
Fletcher Bay PW	4/14/2010	6987840	COBI-PW
Fletcher Bay PW	5/13/2010	4405552	COBI-PW
Fletcher Bay PW	6/23/2010	7559116	COBI-PW
Fletcher Bay PW	7/13/2010	6016972	COBI-PW
Fletcher Bay PW	8/20/2010	12361248	COBI-PW
Fletcher Bay PW	9/15/2010	6728808	COBI-PW

Production Well	Measurement Date	Production Voulme	Technician
Fletcher Bay PW	10/15/2010	4765988	COBI-PW
Fletcher Bay PW	11/12/2010	6079220	COBI-PW
Fletcher Bay PW	12/15/2010	4767996	COBI-PW
Fletcher Bay PW	1/18/2011	5421136	COBI-PW
Fletcher Bay PW	2/22/2011	5185608	COBI-PW
Fletcher Bay PW	3/15/2011	3064858	COBI-PW
Fletcher Bay PW	4/19/2011	7700568	COBI-PW
Fletcher Bay PW	5/17/2011	3870244	COBI-PW
Fletcher Bay PW	6/15/2011	501994	COBI-PW
Fletcher Bay PW	7/20/2011	5827322	COBI-PW
Fletcher Bay PW	8/18/2011	4974032	COBI-PW
Fletcher Bay PW	9/14/2011	6694584	COBI-PW
Fletcher Bay PW	10/20/2011	4794392	COBI-PW
Fletcher Bay PW	11/16/2011	5627722	COBI-PW
Fletcher Bay PW	12/16/2011	6420134	COBI-PW
Fletcher Bay PW	1/12/2012	5810356	COBI-PW
Fletcher Bay PW	2/15/2012	6662648	COBI-PW
Fletcher Bay PW	3/19/2012	5584808	COBI-PW
Fletcher Bay PW	4/17/2012	2257476	COBI-PW
Fletcher Bay PW	5/10/2012	4442098	COBI-PW
Fletcher Bay PW	6/19/2012	5874228	COBI-PW
Fletcher Bay PW	7/18/2012	5244490	COBI-PW
Fletcher Bay PW	8/20/2012	7535898	COBI-PW
Fletcher Bay PW	9/18/2012	5993988	COBI-PW
Fletcher Bay PW	10/16/2012	2252486	COBI-PW
Fletcher Bay PW	11/14/2012	1791410	COBI-PW
Fletcher Bay PW	12/20/2012	1276442	COBI-PW
Fletcher Bay PW	1/17/2013	1800392	COBI-PW
Fletcher Bay PW	2/12/2013	4614752	COBI-PW
Fletcher Bay PW	3/19/2013	7372226	COBI-PW
Fletcher Bay PW	4/15/2013	2730528	COBI-PW
Fletcher Bay PW	5/15/2013	0	COBI-PW
Fletcher Bay PW	6/19/2013	1409176	COBI-PW
Fletcher Bay PW	7/19/2013	1871250	COBI-PW
Fletcher Bay PW	8/16/2013	8126714	COBI-PW
Fletcher Bay PW	9/19/2013	8415136	COBI-PW
Fletcher Bay PW	10/25/2013	8414138	COBI-PW
Fletcher Bay PW	11/21/2013	6103768	COBI-PW
Fletcher Bay PW	12/12/2013	4431120	COBI-PW
Fletcher Bay PW	1/21/2014	7881000	COBI-PW
Fletcher Bay PW	2/21/2014	5854000	COBI-PW
Fletcher Bay PW	3/20/2014	4273000	COBI-PW
Fletcher Bay PW	4/22/2014	2839000	COBI-PW
Fletcher Bay PW	5/19/2014	6925000	COBI-PW
Fletcher Bay PW	6/17/2014	9264000	COBI-PW
Fletcher Bay PW	7/16/2014	10024000	COBI-PW
Fletcher Bay PW	8/26/2014	11983000	COBI-PW
Fletcher Bay PW	9/18/2014	6028000	COBI-PW
Fletcher Bay PW	10/15/2014	2897000	COBI-PW
Fletcher Bay PW	11/19/2014	8182000	COBI-PW
Fletcher Bay PW	12/22/2014	4403000	COBI-PW

Production Well	Measurement Date	Production Voulme	Technician
Fletcher Bay PW	1/15/2015	1360000	COBI-PW
Fletcher Bay PW	2/17/2015	7008000	COBI-PW
Fletcher Bay PW	3/16/2015	4409000	COBI-PW
Fletcher Bay PW	4/21/2015	7059000	COBI-PW
Fletcher Bay PW	5/21/2015	5271000	COBI-PW
Fletcher Bay PW	6/23/2015	10157000	COBI-PW
Fletcher Bay PW	7/16/2015	9444000	COBI-PW
Fletcher Bay PW	8/17/2015	11658000	COBI-PW
Fletcher Bay PW	9/21/2015	8080000	COBI-PW
Fletcher Bay PW	10/14/2015	4576000	COBI-PW
Fletcher Bay PW	11/20/2015	10009000	COBI-PW
Fletcher Bay PW	12/21/2015	8088000	COBI-PW
Fletcher Bay PW	1/26/2016	9234000	COBI-PW
Fletcher Bay PW	2/24/2016	7211000	COBI-PW
Fletcher Bay PW	3/21/2016	6993000	COBI-PW
Fletcher Bay PW	4/25/2016	10614000	COBI-PW
Fletcher Bay PW	5/18/2016	6094000	COBI-PW
Fletcher Bay PW	6/22/2016	10664000	COBI-PW
Fletcher Bay PW	7/20/2016	8350000	COBI-PW
Fletcher Bay PW	8/15/2016	6296000	COBI-PW
Fletcher Bay PW	10/3/2016	16039000	COBI-PW
Fletcher Bay PW	10/26/2016	4614000	COBI-PW
Fletcher Bay PW	11/30/2016	4658000	COBI-PW
Fletcher Bay PW	12/29/2016	5246000	COBI-PW
Fletcher Bay PW	1/24/2017	5559000	COBI-PW
Fletcher Bay PW	2/23/2017	3067000	COBI-PW
Fletcher Bay PW	3/23/2017	3778000	COBI-PW
Fletcher Bay PW	4/19/2017	5289000	COBI-PW
Fletcher Bay PW	5/22/2017	9104000	COBI-PW
Fletcher Bay PW	6/23/2017	11631000	COBI-PW
Fletcher Bay PW	7/18/2017	8605000	COBI-PW
Fletcher Bay PW	8/15/2017	12700000	COBI-PW
Fletcher Bay PW	9/20/2017	11654000	COBI-PW
Fletcher Bay PW	10/18/2017	6904000	COBI-PW
Fletcher Bay PW	11/22/2017	7531000	COBI-PW
Fletcher Bay PW	12/14/2017	3189000	COBI-PW
Fletcher Bay PW	1/22/2018	5938000	COBI-PW
Fletcher Bay PW	2/13/2018	888000	COBI-PW
Fletcher Bay PW	3/19/2018	5527000	COBI-PW
Fletcher Bay PW	4/18/2018	7761000	COBI-PW
Fletcher Bay PW	5/17/2018	4837000	COBI-PW
Fletcher Bay PW	6/14/2018	8718000	COBI-PW
Fletcher Bay PW	7/19/2018	12883000	COBI-PW
Fletcher Bay PW	8/16/2018	11040000	COBI-PW
Fletcher Bay PW	9/15/2018	0	COBI-PW
Fletcher Bay PW	10/17/2018	17930000	COBI-PW
Fletcher Bay PW	11/14/2018	4908000	COBI-PW
Fletcher Bay PW	12/17/2018	4388000	COBI-PW
Fletcher Bay PW	1/16/2019	7343000	COBI-PW
Fletcher Bay PW	2/21/2019	8014000	COBI-PW
Fletcher Bay PW	3/18/2019	5249000	COBI-PW

Production Well	Measurement Date	Production Voulme	Technician
Fletcher Bay PW	4/16/2019	6808000	COBI-PW
Fletcher Bay PW	5/16/2019	8737000	COBI-PW
Fletcher Bay PW	6/18/2019	10583000	COBI-PW
Fletcher Bay PW	7/17/2019	9868000	COBI-PW
Fletcher Bay PW	8/16/2019	10620000	COBI-PW
Fletcher Bay PW	9/20/2019	10819000	COBI-PW
Fletcher Bay PW	10/16/2019	4701000	COBI-PW
Fletcher Bay PW	11/18/2019	5374000	COBI-PW
Fletcher Bay PW	12/16/2019	4767000	COBI-PW
Fletcher Bay PW	1/16/2020	6193000	COBI-PW
Fletcher Bay PW	2/19/2020	6937000	COBI-PW
Fletcher Bay PW	3/17/2020	5164000	COBI-PW
Fletcher Bay PW	4/20/2020	8956000	COBI-PW
Fletcher Bay PW	5/19/2020	7615000	COBI-PW
Fletcher Bay PW	6/17/2020	7551000	COBI-PW
Fletcher Bay PW	7/16/2020	8408000	COBI-PW
Fletcher Bay PW	8/18/2020	12817000	COBI-PW
Fletcher Bay PW	9/17/2020	11204000	COBI-PW
Fletcher Bay PW	10/16/2020	6768000	COBI-PW
Fletcher Bay PW	11/19/2020	3497000	COBI-PW
Fletcher Bay PW	12/17/2020	4769000	COBI-PW
Fletcher Bay PW	1/20/2021	6040000	COBI-PW
Fletcher Bay PW	2/23/2021	4649000	COBI-PW
Fletcher Bay PW	3/18/2021	5282000	COBI-PW
Fletcher Bay PW	5/19/2021	17476000	COBI-PW
Fletcher Bay PW	6/17/2021	8560000	COBI-PW
Fletcher Bay PW	7/15/2021	11847000	COBI-PW
Fletcher Bay PW	8/18/2021	13329000	COBI-PW
Fletcher Bay PW	9/14/2021	8881000	COBI-PW
Fletcher Bay PW	10/18/2021	6246000	COBI-PW
Fletcher Bay PW	11/16/2021	6338000	COBI-PW
Fletcher Bay PW	12/20/2021	6837000	COBI-PW
Harbor Crest	1/31/1996	0	KPUD
Harbor Crest	2/29/1996	0	KPUD
Harbor Crest	3/31/1996	0	KPUD
Harbor Crest	4/30/1996	0	KPUD
Harbor Crest	6/30/1996	54880	KPUD
Harbor Crest	7/31/1996	288380	KPUD
Harbor Crest	8/31/1996	224550	KPUD
Harbor Crest	9/30/1996	129360	KPUD
Harbor Crest	10/31/1996	99930	KPUD
Harbor Crest	11/30/1996	76670	KPUD
Harbor Crest	12/31/1996	104450	KPUD
Harbor Crest	1/31/1997	90480	KPUD
Harbor Crest	2/28/1997	90300	KPUD
Harbor Crest	3/31/1997	103830	KPUD
Harbor Crest	4/30/1997	98770	KPUD
Harbor Crest	5/31/1997	112660	KPUD
Harbor Crest	6/30/1997	122180	KPUD
Harbor Crest	7/31/1997	185670	KPUD
Harbor Crest	8/31/1997	206320	KPUD

Production Well	Measurement Date	Production Voulme	Technician
Harbor Crest	9/30/1997	125970	KPUD
Harbor Crest	10/31/1997	89010	KPUD
Harbor Crest	11/30/1997	98030	KPUD
Harbor Crest	12/31/1997	113860	KPUD
Harbor Crest	1/31/1998	86100	KPUD
Harbor Crest	2/28/1998	80680	KPUD
Harbor Crest	3/31/1998	90190	KPUD
Harbor Crest	4/30/1998	96470	KPUD
Harbor Crest	5/31/1998	107110	KPUD
Harbor Crest	6/30/1998	148240	KPUD
Harbor Crest	7/31/1998	208830	KPUD
Harbor Crest	8/31/1998	292440	KPUD
Harbor Crest	9/30/1998	162950	KPUD
Harbor Crest	10/31/1998	87920	KPUD
Harbor Crest	11/30/1998	97620	KPUD
Harbor Crest	12/31/1998	92580	KPUD
Harbor Crest	1/31/1999	99310	KPUD
Harbor Crest	2/28/1999	287720	KPUD
Harbor Crest	3/31/1999	105600	KPUD
Harbor Crest	4/30/1999	95280	KPUD
Harbor Crest	5/31/1999	112710	KPUD
Harbor Crest	6/30/1999	131310	KPUD
Harbor Crest	7/31/1999	163780	KPUD
Harbor Crest	8/31/1999	153510	KPUD
Harbor Crest	9/30/1999	206500	KPUD
Harbor Crest	10/31/1999	135330	KPUD
Harbor Crest	11/30/1999	122670	KPUD
Harbor Crest	12/31/1999	137390	KPUD
Harbor Crest	1/31/2000	92780	KPUD
Harbor Crest	2/29/2000	80200	KPUD
Harbor Crest	3/31/2000	91440	KPUD
Harbor Crest	4/30/2000	94050	KPUD
Harbor Crest	5/31/2000	123400	KPUD
Harbor Crest	6/30/2000	191190	KPUD
Harbor Crest	7/31/2000	212260	KPUD
Harbor Crest	8/31/2000	257110	KPUD
Harbor Crest	9/30/2000	105650	KPUD
Harbor Crest	10/31/2000	93600	KPUD
Harbor Crest	11/30/2000	117530	KPUD
Harbor Crest	12/31/2000	78890	KPUD
Harbor Crest	1/31/2001	92980	KPUD
Harbor Crest	2/28/2001	93300	KPUD
Harbor Crest	3/31/2001	96220	KPUD
Harbor Crest	4/30/2001	104870	KPUD
Harbor Crest	5/31/2001	124030	KPUD
Harbor Crest	6/30/2001	108720	KPUD
Harbor Crest	7/31/2001	162080	KPUD
Harbor Crest	8/31/2001	159510	KPUD
Harbor Crest	9/30/2001	97780	KPUD
Harbor Crest	10/31/2001	95960	KPUD
Harbor Crest	11/30/2001	88610	KPUD

Production Well	Measurement Date	Production Voulme	Technician
Harbor Crest	12/31/2001	85230	KPUD
Harbor Crest	1/31/2002	86780	KPUD
Harbor Crest	2/28/2002	81560	KPUD
Harbor Crest	3/31/2002	85580	KPUD
Harbor Crest	4/30/2002	99850	KPUD
Harbor Crest	5/31/2002	102810	KPUD
Harbor Crest	6/30/2002	171010	KPUD
Harbor Crest	7/31/2002	170700	KPUD
Harbor Crest	8/31/2002	185420	KPUD
Harbor Crest	9/30/2002	169820	KPUD
Harbor Crest	10/31/2002	99770	KPUD
Harbor Crest	11/30/2002	92730	KPUD
Harbor Crest	12/31/2002	89490	KPUD
Harbor Crest	1/31/2003	1078400	KPUD
Harbor Crest	2/28/2003	302450	KPUD
Harbor Crest	3/31/2003	94290	KPUD
Harbor Crest	4/30/2003	1372280	KPUD
Harbor Crest	5/31/2003	68660	KPUD
Harbor Crest	6/30/2003	202740	KPUD
Harbor Crest	7/31/2003	266950	KPUD
Harbor Crest	8/31/2003	230590	KPUD
Harbor Crest	9/30/2003	256430	KPUD
Harbor Crest	10/31/2003	113410	KPUD
Harbor Crest	11/30/2003	1520110	KPUD
Harbor Crest	12/31/2003	78540	KPUD
Harbor Crest	1/31/2004	88650	KPUD
Harbor Crest	2/29/2004	76670	KPUD
Harbor Crest	3/31/2004	100310	KPUD
Harbor Crest	4/30/2004	84150	KPUD
Harbor Crest	5/31/2004	124280	KPUD
Harbor Crest	6/30/2004	163870	KPUD
Harbor Crest	7/31/2004	231700	KPUD
Harbor Crest	8/31/2004	184490	KPUD
Harbor Crest	9/30/2004	108900	KPUD
Harbor Crest	10/31/2004	96760	KPUD
Harbor Crest	11/30/2004	104460	KPUD
Harbor Crest	12/29/2004	87670	KPUD
Harbor Crest	1/31/2005	100460	KPUD
Harbor Crest	2/28/2005	83030	KPUD
Harbor Crest	3/31/2005	89640	KPUD
Harbor Crest	4/28/2005	80030	KPUD
Harbor Crest	5/31/2005	108470	KPUD
Harbor Crest	6/30/2005	121670	KPUD
Harbor Crest	7/28/2005	139620	KPUD
Harbor Crest	8/31/2005	247360	KPUD
Harbor Crest	10/3/2005	124490	KPUD
Harbor Crest	10/31/2005	79090	KPUD
Harbor Crest	11/30/2005	80980	KPUD
Harbor Crest	12/29/2005	78740	KPUD
Harbor Crest	1/31/2006	76130	KPUD
Harbor Crest	2/28/2006	90450	KPUD

Production Well	Measurement Date	Production Voulme	Technician
Harbor Crest	3/31/2006	99370	KPUD
Harbor Crest	4/30/2006	0	KPUD
Harbor Crest	5/31/2006	0	KPUD
Harbor Crest	6/30/2006	0	KPUD
Harbor Crest	7/31/2006	0	KPUD
Harbor Crest	8/31/2006	0	KPUD
Harbor Crest	9/30/2006	0	KPUD
Harbor Crest	10/31/2006	110511	KPUD
Harbor Crest	11/30/2006	92212	KPUD
Harbor Crest	12/31/2006	90000	KPUD
Harbor Crest	1/30/2007	80000	KPUD
Harbor Crest	2/28/2007	83079	KPUD
Harbor Crest	3/30/2007	82769	KPUD
Harbor Crest	4/30/2007	89685	KPUD
Harbor Crest	5/31/2007	127701	KPUD
Harbor Crest	6/30/2007	159452	KPUD
Harbor Crest	7/31/2007	171512	KPUD
Harbor Crest	8/31/2007	170462	KPUD
Harbor Crest	9/30/2007	137425	KPUD
Harbor Crest	10/31/2007	78610	KPUD
Harbor Crest	11/30/2007	102922	KPUD
Harbor Crest	12/31/2007	83252	KPUD
Harbor Crest	1/31/2008	80348	KPUD
Harbor Crest	2/29/2008	77813	KPUD
Harbor Crest	3/31/2008	82303	KPUD
Harbor Crest	4/30/2008	96606	KPUD
Harbor Crest	5/31/2008	106990	KPUD
Harbor Crest	6/30/2008	183134	KPUD
Harbor Crest	7/31/2008	246896	KPUD
Harbor Crest	9/2/2008	183753	KPUD
Harbor Crest	9/30/2008	124783	KPUD
Harbor Crest	10/31/2008	89236	KPUD
Harbor Crest	11/30/2008	61673	KPUD
Harbor Crest	12/31/2008	119022	KPUD
Harbor Crest	1/31/2009	76139	KPUD
Harbor Crest	2/28/2009	86701	KPUD
Harbor Crest	3/31/2009	89857	KPUD
Harbor Crest	4/30/2009	91608	KPUD
Harbor Crest	5/31/2009	104316	KPUD
Harbor Crest	6/30/2009	207525	KPUD
Harbor Crest	7/31/2009	298071	KPUD
Harbor Crest	8/31/2009	224550	KPUD
Harbor Crest	9/30/2009	133885	KPUD
Harbor Crest	10/31/2009	97577	KPUD
Harbor Crest	11/30/2009	96492	KPUD
Harbor Crest	12/31/2009	100501	KPUD
Harbor Crest	1/31/2010	89810	KPUD
Harbor Crest	2/28/2010	94560	KPUD
Harbor Crest	3/31/2010	109870	KPUD
Harbor Crest	4/30/2010	94380	KPUD
Harbor Crest	5/31/2010	105730	KPUD

Production Well	Measurement Date	Production Voulme	Technician
Harbor Crest	6/30/2010	112740	KPUD
Harbor Crest	7/31/2010	195970	KPUD
Harbor Crest	8/31/2010	210420	KPUD
Harbor Crest	9/30/2010	116260	KPUD
Harbor Crest	10/31/2010	123030	KPUD
Harbor Crest	11/30/2010	89930	KPUD
Harbor Crest	12/31/2010	89500	KPUD
Harbor Crest	1/28/2011	78810	KPUD
Harbor Crest	2/28/2011	91560	KPUD
Harbor Crest	3/31/2011	90740	KPUD
Harbor Crest	4/29/2011	106850	KPUD
Harbor Crest	5/31/2011	108080	KPUD
Harbor Crest	6/28/2011	99480	KPUD
Harbor Crest	7/29/2011	144180	KPUD
Harbor Crest	8/30/2011	162930	KPUD
Harbor Crest	9/30/2011	132520	KPUD
Harbor Crest	10/31/2011	100330	KPUD
Harbor Crest	11/30/2011	87620	KPUD
Harbor Crest	12/31/2011	78440	KPUD
Harbor Crest	1/31/2012	75730	KPUD
Harbor Crest	2/29/2012	74260	KPUD
Harbor Crest	3/31/2012	68890	KPUD
Harbor Crest	4/30/2012	63170	KPUD
Harbor Crest	5/31/2012	111660	KPUD
Harbor Crest	6/30/2012	134230	KPUD
Harbor Crest	7/31/2012	137090	KPUD
Harbor Crest	8/31/2012	194830	KPUD
Harbor Crest	9/30/2012	131970	KPUD
Harbor Crest	10/31/2012	120160	KPUD
Harbor Crest	11/30/2012	83770	KPUD
Harbor Crest	12/31/2012	74630	KPUD
Harbor Crest	1/31/2013	66900	KPUD
Harbor Crest	2/28/2013	87180	KPUD
Harbor Crest	3/31/2013	70030	KPUD
Harbor Crest	4/30/2013	67970	KPUD
Harbor Crest	5/31/2013	113660	KPUD
Harbor Crest	6/30/2013	163170	KPUD
Harbor Crest	7/31/2013	208390	KPUD
Harbor Crest	8/31/2013	170410	KPUD
Harbor Crest	9/30/2013	81890	KPUD
Harbor Crest	10/31/2013	98840	KPUD
Harbor Crest	11/30/2013	76490	KPUD
Harbor Crest	12/31/2013	76220	KPUD
Harbor Crest	1/31/2014	100150	KPUD
Harbor Crest	2/28/2014	89400	KPUD
Harbor Crest	3/31/2014	63280	KPUD
Harbor Crest	4/30/2014	74450	KPUD
Harbor Crest	5/31/2014	93230	KPUD
Harbor Crest	6/30/2014	110650	KPUD
Harbor Crest	7/31/2014	204900	KPUD
Harbor Crest	8/31/2014	197240	KPUD

Production Well	Measurement Date	Production Voulme	Technician
Harbor Crest	9/30/2014	154190	KPUD
Harbor Crest	10/31/2014	83280	KPUD
Harbor Crest	11/30/2014	84070	KPUD
Harbor Crest	12/31/2014	66730	KPUD
Harbor Crest	1/31/2015	67780	KPUD
Harbor Crest	2/28/2015	72280	KPUD
Harbor Crest	3/31/2015	79030	KPUD
Harbor Crest	4/30/2015	69650	KPUD
Harbor Crest	5/31/2015	106190	KPUD
Harbor Crest	6/30/2015	208250	KPUD
Harbor Crest	7/31/2015	244160	KPUD
Harbor Crest	8/31/2015	184820	KPUD
Harbor Crest	9/30/2015	71700	KPUD
Harbor Crest	10/31/2015	82950	KPUD
Harbor Crest	11/30/2015	53190	KPUD
Harbor Crest	12/31/2015	74150	KPUD
Harbor Crest	1/31/2016	53840	KPUD
Harbor Crest	2/29/2016	57820	KPUD
Harbor Crest	3/31/2016	61490	KPUD
Harbor Crest	4/30/2016	90980	KPUD
Harbor Crest	5/31/2016	159820	KPUD
Harbor Crest	6/30/2016	212240	KPUD
Harbor Crest	7/31/2016	262950	KPUD
Harbor Crest	8/31/2016	415510	KPUD
Harbor Crest	9/30/2016	166100	KPUD
Harbor Crest	10/31/2016	144140	KPUD
Harbor Crest	11/30/2016	92690	KPUD
Harbor Crest	12/31/2016	81400	KPUD
Harbor Crest	1/31/2017	83960	KPUD
Harbor Crest	2/28/2017	79080	KPUD
Harbor Crest	3/31/2017	81290	KPUD
Harbor Crest	4/30/2017	73590	KPUD
Harbor Crest	5/31/2017	159400	KPUD
Harbor Crest	6/30/2017	218220	KPUD
Harbor Crest	7/31/2017	268770	KPUD
Harbor Crest	8/31/2017	313360	KPUD
Harbor Crest	9/30/2017	300250	KPUD
Harbor Crest	10/31/2017	0	KPUD
Harbor Crest	11/30/2017	0	KPUD
Harbor Crest	12/31/2017	132290	KPUD
Harbor Crest	1/31/2018	73490	KPUD
Harbor Crest	2/28/2018	70350	KPUD
Harbor Crest	3/31/2018	71700	KPUD
Harbor Crest	4/30/2018	76570	KPUD
Harbor Crest	5/31/2018	142576	KPUD
Harbor Crest	6/30/2018	171234	KPUD
Harbor Crest	7/31/2018	257730	KPUD
Harbor Crest	8/31/2018	324500	KPUD
Harbor Crest	9/30/2018	136410	KPUD
Harbor Crest	10/31/2018	81770	KPUD
Harbor Crest	11/30/2018	75750	KPUD

Production Well	Measurement Date	Production Voulme	Technician
Harbor Crest	12/31/2018	66460	KPUD
Harbor Crest	1/31/2019	71920	KPUD
Harbor Crest	2/28/2019	70320	KPUD
Harbor Crest	3/31/2019	74230	KPUD
Harbor Crest	4/30/2019	124410	KPUD
Harbor Crest	5/31/2019	193890	KPUD
Harbor Crest	6/30/2019	160360	KPUD
Harbor Crest	7/31/2019	184620	KPUD
Harbor Crest	8/31/2019	182530	KPUD
Harbor Crest	9/30/2019	125600	KPUD
Harbor Crest	10/31/2019	91770	KPUD
Harbor Crest	11/30/2019	62470	KPUD
Harbor Crest	12/31/2019	71470	KPUD
Harbor Crest	1/31/2020	51560	KPUD
Harbor Crest	2/29/2020	131950	KPUD
Harbor Crest	3/31/2020	54880	KPUD
Harbor Crest	4/30/2020	99220	KPUD
Harbor Crest	5/31/2020	131000	KPUD
Harbor Crest	6/30/2020	63420	KPUD
Harbor Crest	7/31/2020	212830	KPUD
Harbor Crest	8/31/2020	183240	KPUD
Harbor Crest	9/30/2020	157830	KPUD
Harbor Crest	10/31/2020	91560	KPUD
Harbor Crest	11/30/2020	42220	KPUD
Harbor Crest	12/31/2020	79210	KPUD
Harbor Crest	1/31/2021	71400	KPUD
Harbor Crest	2/28/2021	61670	KPUD
Harbor Crest	3/31/2021	78830	KPUD
Harbor Crest	4/30/2021	95100	KPUD
Harbor Crest	5/31/2021	166420	KPUD
Harbor Crest	6/30/2021	190770	KPUD
Harbor Crest	7/31/2021	241000	KPUD
Harbor Crest	8/31/2021	290660	KPUD
Harbor Crest	9/30/2021	115820	KPUD
Harbor Crest	10/31/2021	106220	KPUD
Harbor Crest	11/30/2021	78870	KPUD
Harbor Crest	12/31/2021	66010	KPUD
Head of the Bay Well #1	12/15/2001	317400	not specified
Head of the Bay Well #1	1/15/2002	348400	not specified
Head of the Bay Well #1	2/15/2002	314700	not specified
Head of the Bay Well #1	3/15/2002	291800	not specified
Head of the Bay Well #1	4/15/2002	352800	not specified
Head of the Bay Well #1	5/15/2002	243200	not specified
Head of the Bay Well #1	6/15/2002	264500	not specified
Head of the Bay Well #1	7/15/2002	506500	not specified
Head of the Bay Well #1	8/15/2002	508000	not specified
Head of the Bay Well #1	9/15/2002	450300	not specified
Head of the Bay Well #1	10/15/2002	234900	not specified
Head of the Bay Well #1	11/15/2002	274700	not specified
Head of the Bay Well #1	12/15/2002	254000	not specified
Head of the Bay Well #1	1/15/2003	330200	not specified

Production Well	Measurement Date	Production Voulme	Technician
Head of the Bay Well #1	2/15/2003	267900	not specified
Head of the Bay Well #1	3/15/2003	381100	not specified
Head of the Bay Well #1	4/15/2003	242400	not specified
Head of the Bay Well #1	5/15/2003	286500	not specified
Head of the Bay Well #1	6/15/2003	669945.6	not specified
Head of the Bay Well #1	7/15/2003	961305.6	not specified
Head of the Bay Well #1	8/15/2003	840960	not specified
Head of the Bay Well #1	9/15/2003	940.8	not specified
Head of the Bay Well #1	10/15/2003	0	not specified
Head of the Bay Well #1	11/15/2003	0	not specified
Head of the Bay Well #1	12/15/2003	0	not specified
Head of the Bay Well #1	1/15/2004	0	not specified
Head of the Bay Well #1	2/15/2004	0	not specified
Head of the Bay Well #1	3/15/2004	0	not specified
Head of the Bay Well #1	4/15/2004	0	not specified
Head of the Bay Well #1	5/15/2004	0	not specified
Head of the Bay Well #1	6/15/2004	0	not specified
Head of the Bay Well #1	7/15/2004	0	not specified
Head of the Bay Well #1	8/15/2004	2918.4	not specified
Head of the Bay Well #1	9/15/2004	7296	not specified
Head of the Bay Well #1	10/15/2004	13305.6	not specified
Head of the Bay Well #1	11/15/2004	7000	not specified
Head of the Bay Well #1	12/15/2004	7000	not specified
Head of the Bay Well #1	1/15/2005	14000	not specified
Head of the Bay Well #1	2/15/2005	8000	not specified
Head of the Bay Well #1	3/15/2005	4000	not specified
Head of the Bay Well #1	4/15/2005	11000	not specified
Head of the Bay Well #1	5/15/2005	8000	not specified
Head of the Bay Well #1	6/15/2005	3000	not specified
Head of the Bay Well #1	7/15/2005	1000	not specified
Head of the Bay Well #1	8/15/2005	0	not specified
Head of the Bay Well #1	9/15/2005	1000	not specified
Head of the Bay Well #1	10/15/2005	2000	not specified
Head of the Bay Well #1	11/15/2005	10000	not specified
Head of the Bay Well #1	12/15/2005	16000	not specified
Head of the Bay Well #1	1/15/2006	23000	not specified
Head of the Bay Well #1	2/15/2006	23000	not specified
Head of the Bay Well #1	3/15/2006	42000	not specified
Head of the Bay Well #1	4/15/2006	8000	COBI-PW
Head of the Bay Well #1	5/15/2006	1000	COBI-PW
Head of the Bay Well #1	6/15/2006	1000	COBI-PW
Head of the Bay Well #1	7/15/2006	1000	COBI-PW
Head of the Bay Well #1	8/15/2006	0	COBI-PW
Head of the Bay Well #1	9/15/2006	1000	COBI-PW
Head of the Bay Well #1	10/15/2006	18000	COBI-PW
Head of the Bay Well #1	11/15/2006	21000	COBI-PW
Head of the Bay Well #1	12/15/2006	16000	COBI-PW
Head of the Bay Well #1	1/15/2007	39000	COBI-PW
Head of the Bay Well #1	2/15/2007	13000	COBI-PW
Head of the Bay Well #1	3/15/2007	74000	COBI-PW
Head of the Bay Well #1	4/15/2007	112000	COBI-PW

Production Well	Measurement Date	Production Voulme	Technician
Head of the Bay Well #1	5/15/2007	81000	COBI-PW
Head of the Bay Well #1	6/15/2007	13000	COBI-PW
Head of the Bay Well #1	7/15/2007	0	COBI-PW
Head of the Bay Well #1	8/15/2007	23000	COBI-PW
Head of the Bay Well #1	9/15/2007	34000	COBI-PW
Head of the Bay Well #1	10/15/2007	37000	COBI-PW
Head of the Bay Well #1	11/15/2007	120000	COBI-PW
Head of the Bay Well #1	12/15/2007	87000	COBI-PW
Head of the Bay Well #1	1/15/2008	11000	COBI-PW
Head of the Bay Well #1	2/15/2008	160000	COBI-PW
Head of the Bay Well #1	3/15/2008	104000	COBI-PW
Head of the Bay Well #1	4/15/2008	95000	COBI-PW
Head of the Bay Well #1	5/15/2008	92000	COBI-PW
Head of the Bay Well #1	6/15/2008	64000	COBI-PW
Head of the Bay Well #1	7/15/2008	22000	COBI-PW
Head of the Bay Well #1	8/15/2008	144000	COBI-PW
Head of the Bay Well #1	9/15/2008	222000	COBI-PW
Head of the Bay Well #1	10/15/2008	172000	COBI-PW
Head of the Bay Well #1	1/15/2009	177747	COBI-PW
Head of the Bay Well #1	2/11/2009	135048	COBI-PW
Head of the Bay Well #1	3/13/2009	243285	COBI-PW
Head of the Bay Well #1	4/15/2009	295914	COBI-PW
Head of the Bay Well #1	5/14/2009	0	COBI-PW
Head of the Bay Well #1	6/17/2009	643464	COBI-PW
Head of the Bay Well #1	7/15/2009	370389	COBI-PW
Head of the Bay Well #1	8/13/2009	298893	COBI-PW
Head of the Bay Well #1	9/15/2009	283998	COBI-PW
Head of the Bay Well #1	10/14/2009	234348	COBI-PW
Head of the Bay Well #1	11/17/2009	248250	COBI-PW
Head of the Bay Well #1	12/16/2009	236334	COBI-PW
Head of the Bay Well #1	1/15/2010	293046	COBI-PW
Head of the Bay Well #1	2/18/2010	354900	COBI-PW
Head of the Bay Well #1	3/16/2010	153114	COBI-PW
Head of the Bay Well #1	4/14/2010	319410	COBI-PW
Head of the Bay Well #1	5/13/2010	347802	COBI-PW
Head of the Bay Well #1	6/23/2010	239304	COBI-PW
Head of the Bay Well #1	7/13/2010	214968	COBI-PW
Head of the Bay Well #1	8/20/2010	484692	COBI-PW
Head of the Bay Well #1	9/15/2010	256542	COBI-PW
Head of the Bay Well #1	10/15/2010	223080	COBI-PW
Head of the Bay Well #1	11/12/2010	176436	COBI-PW
Head of the Bay Well #1	12/15/2010	287976	COBI-PW
Head of the Bay Well #1	1/18/2011	215897	COBI-PW
Head of the Bay Well #1	2/22/2011	241722	COBI-PW
Head of the Bay Well #1	3/15/2011	223128	COBI-PW
Head of the Bay Well #1	4/19/2011	266514	COBI-PW
Head of the Bay Well #1	5/17/2011	308867	COBI-PW
Head of the Bay Well #1	6/15/2011	351220	COBI-PW
Head of the Bay Well #1	7/20/2011	432827	COBI-PW
Head of the Bay Well #1	8/18/2011	414233	COBI-PW
Head of the Bay Well #1	9/14/2011	355352	COBI-PW

Production Well	Measurement Date	Production Voulme	Technician
Head of the Bay Well #1	10/20/2011	369814	COBI-PW
Head of the Bay Well #1	11/16/2011	0	COBI-PW
Head of the Bay Well #1	12/16/2011	27891	COBI-PW
Head of the Bay Well #1	1/12/2012	154950	COBI-PW
Head of the Bay Well #1	2/15/2012	194204	COBI-PW
Head of the Bay Well #1	3/19/2012	328494	COBI-PW
Head of the Bay Well #1	4/17/2012	361550	COBI-PW
Head of the Bay Well #1	5/10/2012	241722	COBI-PW
Head of the Bay Well #1	6/19/2012	640460	COBI-PW
Head of the Bay Well #1	7/18/2012	421464	COBI-PW
Head of the Bay Well #1	8/20/2012	556787	COBI-PW
Head of the Bay Well #1	9/18/2012	543358	COBI-PW
Head of the Bay Well #1	10/16/2012	443157	COBI-PW
Head of the Bay Well #1	11/14/2012	335725	COBI-PW
Head of the Bay Well #1	12/20/2012	413200	COBI-PW
Head of the Bay Well #1	1/17/2013	327461	COBI-PW
Head of the Bay Well #1	2/12/2013	129125	COBI-PW
Head of the Bay Well #1	3/19/2013	5165	COBI-PW
Head of the Bay Well #1	4/15/2013	8264	COBI-PW
Head of the Bay Well #1	5/15/2013	436959	COBI-PW
Head of the Bay Well #1	6/19/2013	461751	COBI-PW
Head of the Bay Well #1	7/19/2013	0	COBI-PW
Head of the Bay Well #1	8/16/2013	0	COBI-PW
Head of the Bay Well #1	9/19/2013	2066	COBI-PW
Head of the Bay Well #1	10/25/2013	233458	COBI-PW
Head of the Bay Well #1	11/21/2013	308867	COBI-PW
Head of the Bay Well #1	12/12/2013	151851	COBI-PW
Head of the Bay Well #1	1/21/2014	71128	COBI-PW
Head of the Bay Well #1	2/21/2014	32426	COBI-PW
Head of the Bay Well #1	3/20/2014	108784	COBI-PW
Head of the Bay Well #1	4/22/2014	315892	COBI-PW
Head of the Bay Well #1	5/19/2014	150624	COBI-PW
Head of the Bay Well #1	6/17/2014	21966	COBI-PW
Head of the Bay Well #1	7/16/2014	294972	COBI-PW
Head of the Bay Well #1	8/26/2014	689314	COBI-PW
Head of the Bay Well #1	9/18/2014	306478	COBI-PW
Head of the Bay Well #1	10/15/2014	273006	COBI-PW
Head of the Bay Well #1	11/19/2014	20920	COBI-PW
Head of the Bay Well #1	12/22/2014	365054	COBI-PW
Head of the Bay Well #1	1/15/2015	260454	COBI-PW
Head of the Bay Well #1	2/17/2015	384928	COBI-PW
Head of the Bay Well #1	3/16/2015	94140	COBI-PW
Head of the Bay Well #1	4/21/2015	193510	COBI-PW
Head of the Bay Well #1	5/21/2015	425722	COBI-PW
Head of the Bay Well #1	6/23/2015	495804	COBI-PW
Head of the Bay Well #1	7/16/2015	395388	COBI-PW
Head of the Bay Well #1	8/17/2015	560656	COBI-PW
Head of the Bay Well #1	9/21/2015	507310	COBI-PW
Head of the Bay Well #1	10/14/2015	336812	COBI-PW
Head of the Bay Well #1	11/20/2015	444550	COBI-PW
Head of the Bay Well #1	12/21/2015	370284	COBI-PW

Production Well	Measurement Date	Production Voulme	Technician
Head of the Bay Well #1	1/26/2016	418400	COBI-PW
Head of the Bay Well #1	2/24/2016	329490	COBI-PW
Head of the Bay Well #1	3/21/2016	312754	COBI-PW
Head of the Bay Well #1	4/25/2016	469654	COBI-PW
Head of the Bay Well #1	5/18/2016	104600	COBI-PW
Head of the Bay Well #1	6/22/2016	390158	COBI-PW
Head of the Bay Well #1	7/20/2016	279282	COBI-PW
Head of the Bay Well #1	8/15/2016	393296	COBI-PW
Head of the Bay Well #1	10/3/2016	378652	COBI-PW
Head of the Bay Well #1	10/26/2016	57530	COBI-PW
Head of the Bay Well #1	11/30/2016	153762	COBI-PW
Head of the Bay Well #1	12/29/2016	146440	COBI-PW
Head of the Bay Well #1	1/24/2017	86818	COBI-PW
Head of the Bay Well #1	2/23/2017	0	COBI-PW
Head of the Bay Well #1	3/23/2017	0	COBI-PW
Head of the Bay Well #1	4/19/2017	0	COBI-PW
Head of the Bay Well #1	5/22/2017	0	COBI-PW
Head of the Bay Well #1	6/23/2017	0	COBI-PW
Head of the Bay Well #1	7/18/2017	0	COBI-PW
Head of the Bay Well #1	8/15/2017	0	COBI-PW
Head of the Bay Well #1	9/20/2017	0	COBI-PW
Head of the Bay Well #1	10/18/2017	0	COBI-PW
Head of the Bay Well #1	11/22/2017	0	COBI-PW
Head of the Bay Well #1	12/14/2017	4184	COBI-PW
Head of the Bay Well #1	1/22/2018	16736	COBI-PW
Head of the Bay Well #1	2/13/2018	1046	COBI-PW
Head of the Bay Well #1	3/19/2018	0	COBI-PW
Head of the Bay Well #1	4/18/2018	0	COBI-PW
Head of the Bay Well #1	5/17/2018	0	COBI-PW
Head of the Bay Well #1	6/14/2018	0	COBI-PW
Head of the Bay Well #1	7/19/2018	4184	COBI-PW
Head of the Bay Well #1	8/16/2018	0	COBI-PW
Head of the Bay Well #1	9/15/2018	0	COBI-PW
Head of the Bay Well #1	10/17/2018	1046	COBI-PW
Head of the Bay Well #1	11/14/2018	0	COBI-PW
Head of the Bay Well #1	12/17/2018	0	COBI-PW
Head of the Bay Well #1	1/16/2019	0	COBI-PW
Head of the Bay Well #1	2/21/2019	4000	COBI-PW
Head of the Bay Well #1	3/18/2019	3000	COBI-PW
Head of the Bay Well #1	4/16/2019	0	COBI-PW
Head of the Bay Well #1	5/16/2019	2000	COBI-PW
Head of the Bay Well #1	6/18/2019	0	COBI-PW
Head of the Bay Well #1	7/17/2019	0	COBI-PW
Head of the Bay Well #1	8/16/2019	0	COBI-PW
Head of the Bay Well #1	9/20/2019	4000	COBI-PW
Head of the Bay Well #1	10/16/2019	0	COBI-PW
Head of the Bay Well #1	11/18/2019	0	COBI-PW
Head of the Bay Well #1	12/16/2019	0	COBI-PW
Head of the Bay Well #1	1/16/2020	0	COBI-PW
Head of the Bay Well #1	2/19/2020	0	COBI-PW
Head of the Bay Well #1	3/17/2020	0	COBI-PW

Production Well	Measurement Date	Production Voulme	Technician
Head of the Bay Well #1	4/20/2020	38000	COBI-PW
Head of the Bay Well #1	5/19/2020	45000	COBI-PW
Head of the Bay Well #1	6/17/2020	32000	COBI-PW
Head of the Bay Well #1	7/16/2020	3000	COBI-PW
Head of the Bay Well #1	8/18/2020	0	COBI-PW
Head of the Bay Well #1	9/17/2020	0	COBI-PW
Head of the Bay Well #1	10/16/2020	1000	COBI-PW
Head of the Bay Well #1	11/19/2020	0	COBI-PW
Head of the Bay Well #1	12/17/2020	0	COBI-PW
Head of the Bay Well #1	1/20/2021	6000	COBI-PW
Head of the Bay Well #1	2/23/2021	3000	COBI-PW
Head of the Bay Well #1	3/18/2021	0	COBI-PW
Head of the Bay Well #1	5/19/2021	0	COBI-PW
Head of the Bay Well #1	6/17/2021	0	COBI-PW
Head of the Bay Well #1	7/15/2021	0	COBI-PW
Head of the Bay Well #1	8/18/2021	0	COBI-PW
Head of the Bay Well #1	9/14/2021	0	COBI-PW
Head of the Bay Well #1	10/18/2021	3000	COBI-PW
Head of the Bay Well #1	11/16/2021	3000	COBI-PW
Head of the Bay Well #1	12/20/2021	0	COBI-PW
Head of the Bay Well #1A	12/15/2001	49100	not specified
Head of the Bay Well #1A	1/15/2002	58700	not specified
Head of the Bay Well #1A	2/15/2002	75600	not specified
Head of the Bay Well #1A	3/15/2002	84500	not specified
Head of the Bay Well #1A	4/15/2002	243700	not specified
Head of the Bay Well #1A	5/15/2002	785100	not specified
Head of the Bay Well #1A	6/15/2002	522400	not specified
Head of the Bay Well #1A	7/15/2002	105500	not specified
Head of the Bay Well #1A	8/15/2002	15600	not specified
Head of the Bay Well #1A	9/15/2002	8500	not specified
Head of the Bay Well #1A	10/15/2002	28300	not specified
Head of the Bay Well #1A	11/15/2002	79100	not specified
Head of the Bay Well #1A	12/15/2002	78800	not specified
Head of the Bay Well #1A	1/15/2003	61800	not specified
Head of the Bay Well #1A	2/15/2003	21700	not specified
Head of the Bay Well #1A	3/15/2003	43700	not specified
Head of the Bay Well #1A	4/15/2003	40200	not specified
Head of the Bay Well #1A	5/15/2003	48400	not specified
Head of the Bay Well #1A	6/15/2003	0	not specified
Head of the Bay Well #1A	7/15/2003	0	not specified
Head of the Bay Well #1A	8/15/2003	0	not specified
Head of the Bay Well #1A	9/15/2003	17580	not specified
Head of the Bay Well #1A	10/15/2003	0	not specified
Head of the Bay Well #1A	11/15/2003	0	not specified
Head of the Bay Well #1A	12/15/2003	0	not specified
Head of the Bay Well #1A	1/15/2004	0	not specified
Head of the Bay Well #1A	2/15/2004	0	not specified
Head of the Bay Well #1A	3/15/2004	0	not specified
Head of the Bay Well #1A	4/15/2004	0	not specified
Head of the Bay Well #1A	5/15/2004	0	not specified
Head of the Bay Well #1A	6/15/2004	0	not specified

Production Well	Measurement Date	Production Voulme	Technician
Head of the Bay Well #1A	7/15/2004	0	not specified
Head of the Bay Well #1A	8/15/2004	9180	not specified
Head of the Bay Well #1A	9/15/2004	2820	not specified
Head of the Bay Well #1A	10/15/2004	43080	not specified
Head of the Bay Well #1A	11/15/2004	41000	not specified
Head of the Bay Well #1A	12/15/2004	46000	not specified
Head of the Bay Well #1A	1/15/2005	61000	not specified
Head of the Bay Well #1A	2/15/2005	30000	not specified
Head of the Bay Well #1A	3/15/2005	23000	not specified
Head of the Bay Well #1A	4/15/2005	115000	not specified
Head of the Bay Well #1A	5/15/2005	43000	not specified
Head of the Bay Well #1A	6/15/2005	51000	not specified
Head of the Bay Well #1A	7/15/2005	22000	not specified
Head of the Bay Well #1A	8/15/2005	6000	not specified
Head of the Bay Well #1A	9/15/2005	68000	not specified
Head of the Bay Well #1A	10/15/2005	41000	not specified
Head of the Bay Well #1A	11/15/2005	58000	not specified
Head of the Bay Well #1A	12/15/2005	79000	not specified
Head of the Bay Well #1A	1/15/2006	105000	not specified
Head of the Bay Well #1A	2/15/2006	666000	not specified
Head of the Bay Well #1A	3/15/2006	1238000	not specified
Head of the Bay Well #1A	4/15/2006	1896000	COBI-PW
Head of the Bay Well #1A	5/15/2006	2238000	COBI-PW
Head of the Bay Well #1A	6/15/2006	2062000	COBI-PW
Head of the Bay Well #1A	7/15/2006	1767000	COBI-PW
Head of the Bay Well #1A	8/15/2006	2654000	COBI-PW
Head of the Bay Well #1A	9/15/2006	1410000	COBI-PW
Head of the Bay Well #1A	10/15/2006	619000	COBI-PW
Head of the Bay Well #1A	11/15/2006	1196000	COBI-PW
Head of the Bay Well #1A	12/15/2006	890000	COBI-PW
Head of the Bay Well #1A	1/15/2007	852000	COBI-PW
Head of the Bay Well #1A	2/15/2007	344000	COBI-PW
Head of the Bay Well #1A	3/15/2007	672000	COBI-PW
Head of the Bay Well #1A	4/15/2007	756000	COBI-PW
Head of the Bay Well #1A	5/15/2007	738000	COBI-PW
Head of the Bay Well #1A	6/15/2007	1022000	COBI-PW
Head of the Bay Well #1A	7/15/2007	0	COBI-PW
Head of the Bay Well #1A	8/15/2007	2202000	COBI-PW
Head of the Bay Well #1A	9/15/2007	596000	COBI-PW
Head of the Bay Well #1A	10/15/2007	963000	COBI-PW
Head of the Bay Well #1A	11/15/2007	963000	COBI-PW
Head of the Bay Well #1A	12/15/2007	989000	COBI-PW
Head of the Bay Well #1A	1/15/2008	32000	COBI-PW
Head of the Bay Well #1A	2/15/2008	186000	COBI-PW
Head of the Bay Well #1A	3/15/2008	118000	COBI-PW
Head of the Bay Well #1A	4/15/2008	148000	COBI-PW
Head of the Bay Well #1A	5/15/2008	160000	COBI-PW
Head of the Bay Well #1A	6/15/2008	123000	COBI-PW
Head of the Bay Well #1A	7/15/2008	843000	COBI-PW
Head of the Bay Well #1A	8/15/2008	673000	COBI-PW
Head of the Bay Well #1A	9/15/2008	1027000	COBI-PW

Production Well	Measurement Date	Production Voulme	Technician
Head of the Bay Well #1A	10/15/2008	752000	COBI-PW
Head of the Bay Well #1A	1/15/2009	726180	COBI-PW
Head of the Bay Well #1A	2/11/2009	541424	COBI-PW
Head of the Bay Well #1A	3/13/2009	1065064	COBI-PW
Head of the Bay Well #1A	4/15/2009	1334788	COBI-PW
Head of the Bay Well #1A	5/14/2009	0	COBI-PW
Head of the Bay Well #1A	6/17/2009	2984748	COBI-PW
Head of the Bay Well #1A	7/15/2009	1766544	COBI-PW
Head of the Bay Well #1A	8/13/2009	1405924	COBI-PW
Head of the Bay Well #1A	9/15/2009	1273532	COBI-PW
Head of the Bay Well #1A	10/14/2009	1062100	COBI-PW
Head of the Bay Well #1A	11/17/2009	1089764	COBI-PW
Head of the Bay Well #1A	12/16/2009	1066052	COBI-PW
Head of the Bay Well #1A	1/15/2010	1308120	COBI-PW
Head of the Bay Well #1A	2/18/2010	1568753	COBI-PW
Head of the Bay Well #1A	3/16/2010	671898	COBI-PW
Head of the Bay Well #1A	4/14/2010	1386409	COBI-PW
Head of the Bay Well #1A	5/13/2010	1489473	COBI-PW
Head of the Bay Well #1A	6/23/2010	1030640	COBI-PW
Head of the Bay Well #1A	7/13/2010	923612	COBI-PW
Head of the Bay Well #1A	8/20/2010	2097947	COBI-PW
Head of the Bay Well #1A	9/15/2010	1090100	COBI-PW
Head of the Bay Well #1A	10/15/2010	957306	COBI-PW
Head of the Bay Well #1A	11/12/2010	749196	COBI-PW
Head of the Bay Well #1A	12/15/2010	1219921	COBI-PW
Head of the Bay Well #1A	1/18/2011	880791	COBI-PW
Head of the Bay Well #1A	2/22/2011	929448	COBI-PW
Head of the Bay Well #1A	3/15/2011	922497	COBI-PW
Head of the Bay Well #1A	4/19/2011	1081377	COBI-PW
Head of the Bay Well #1A	5/17/2011	1274019	COBI-PW
Head of the Bay Well #1A	6/15/2011	1445808	COBI-PW
Head of the Bay Well #1A	7/20/2011	1761582	COBI-PW
Head of the Bay Well #1A	8/18/2011	1717890	COBI-PW
Head of the Bay Well #1A	9/14/2011	1474605	COBI-PW
Head of the Bay Well #1A	10/20/2011	1510353	COBI-PW
Head of the Bay Well #1A	11/16/2011	153915	COBI-PW
Head of the Bay Well #1A	12/16/2011	235341	COBI-PW
Head of the Bay Well #1A	1/12/2012	571968	COBI-PW
Head of the Bay Well #1A	2/15/2012	553101	COBI-PW
Head of the Bay Well #1A	3/19/2012	67524	COBI-PW
Head of the Bay Well #1A	4/17/2012	28797	COBI-PW
Head of the Bay Well #1A	5/10/2012	22839	COBI-PW
Head of the Bay Well #1A	6/19/2012	6951	COBI-PW
Head of the Bay Well #1A	7/18/2012	7944	COBI-PW
Head of the Bay Well #1A	8/20/2012	1986	COBI-PW
Head of the Bay Well #1A	9/18/2012	0	COBI-PW
Head of the Bay Well #1A	10/16/2012	26811	COBI-PW
Head of the Bay Well #1A	11/14/2012	12909	COBI-PW
Head of the Bay Well #1A	12/20/2012	25818	COBI-PW
Head of the Bay Well #1A	1/17/2013	26811	COBI-PW
Head of the Bay Well #1A	2/12/2013	26811	COBI-PW

Production Well	Measurement Date	Production Voulme	Technician
Head of the Bay Well #1A	3/19/2013	13902	COBI-PW
Head of the Bay Well #1A	4/15/2013	29790	COBI-PW
Head of the Bay Well #1A	5/15/2013	28797	COBI-PW
Head of the Bay Well #1A	6/19/2013	993	COBI-PW
Head of the Bay Well #1A	7/19/2013	0	COBI-PW
Head of the Bay Well #1A	8/16/2013	0	COBI-PW
Head of the Bay Well #1A	9/19/2013	10923	COBI-PW
Head of the Bay Well #1A	10/25/2013	16881	COBI-PW
Head of the Bay Well #1A	11/21/2013	23832	COBI-PW
Head of the Bay Well #1A	12/12/2013	52629	COBI-PW
Head of the Bay Well #1A	1/21/2014	233876	COBI-PW
Head of the Bay Well #1A	2/21/2014	204146	COBI-PW
Head of the Bay Well #1A	3/20/2014	137749	COBI-PW
Head of the Bay Well #1A	4/22/2014	65406	COBI-PW
Head of the Bay Well #1A	5/19/2014	130812	COBI-PW
Head of the Bay Well #1A	6/17/2014	13874	COBI-PW
Head of the Bay Well #1A	7/16/2014	4955	COBI-PW
Head of the Bay Well #1A	8/26/2014	38649	COBI-PW
Head of the Bay Well #1A	9/18/2014	991	COBI-PW
Head of the Bay Well #1A	10/15/2014	5946	COBI-PW
Head of the Bay Well #1A	11/19/2014	16847	COBI-PW
Head of the Bay Well #1A	12/22/2014	28739	COBI-PW
Head of the Bay Well #1A	1/15/2015	20811	COBI-PW
Head of the Bay Well #1A	2/17/2015	22793	COBI-PW
Head of the Bay Well #1A	3/16/2015	32703	COBI-PW
Head of the Bay Well #1A	4/21/2015	86217	COBI-PW
Head of the Bay Well #1A	5/21/2015	10901	COBI-PW
Head of the Bay Well #1A	6/23/2015	5946	COBI-PW
Head of the Bay Well #1A	7/16/2015	0	COBI-PW
Head of the Bay Well #1A	8/17/2015	1971099	COBI-PW
Head of the Bay Well #1A	9/21/2015	2086055	COBI-PW
Head of the Bay Well #1A	10/14/2015	1420103	COBI-PW
Head of the Bay Well #1A	11/20/2015	1881909	COBI-PW
Head of the Bay Well #1A	12/21/2015	1588573	COBI-PW
Head of the Bay Well #1A	1/26/2016	1822449	COBI-PW
Head of the Bay Well #1A	2/24/2016	1453797	COBI-PW
Head of the Bay Well #1A	3/21/2016	1395328	COBI-PW
Head of the Bay Well #1A	4/25/2016	2115785	COBI-PW
Head of the Bay Well #1A	5/18/2016	562888	COBI-PW
Head of the Bay Well #1A	6/22/2016	1857134	COBI-PW
Head of the Bay Well #1A	7/20/2016	1327940	COBI-PW
Head of the Bay Well #1A	8/15/2016	1921549	COBI-PW
Head of the Bay Well #1A	10/3/2016	1912630	COBI-PW
Head of the Bay Well #1A	10/26/2016	334958	COBI-PW
Head of the Bay Well #1A	11/30/2016	806674	COBI-PW
Head of the Bay Well #1A	12/29/2016	760097	COBI-PW
Head of the Bay Well #1A	1/24/2017	486581	COBI-PW
Head of the Bay Well #1A	2/23/2017	14865	COBI-PW
Head of the Bay Well #1A	3/23/2017	7928	COBI-PW
Head of the Bay Well #1A	4/19/2017	10901	COBI-PW
Head of the Bay Well #1A	5/22/2017	11892	COBI-PW

Production Well	Measurement Date	Production Voulme	Technician
Head of the Bay Well #1A	6/23/2017	17838	COBI-PW
Head of the Bay Well #1A	7/18/2017	0	COBI-PW
Head of the Bay Well #1A	8/15/2017	1260552	COBI-PW
Head of the Bay Well #1A	9/20/2017	0	COBI-PW
Head of the Bay Well #1A	10/18/2017	30721	COBI-PW
Head of the Bay Well #1A	11/22/2017	162524	COBI-PW
Head of the Bay Well #1A	12/14/2017	106037	COBI-PW
Head of the Bay Well #1A	1/22/2018	164506	COBI-PW
Head of the Bay Well #1A	2/13/2018	25766	COBI-PW
Head of the Bay Well #1A	3/19/2018	16847	COBI-PW
Head of the Bay Well #1A	4/18/2018	5946	COBI-PW
Head of the Bay Well #1A	5/17/2018	17838	COBI-PW
Head of the Bay Well #1A	6/14/2018	0	COBI-PW
Head of the Bay Well #1A	7/19/2018	14865	COBI-PW
Head of the Bay Well #1A	8/16/2018	0	COBI-PW
Head of the Bay Well #1A	9/15/2018	0	COBI-PW
Head of the Bay Well #1A	10/17/2018	12883	COBI-PW
Head of the Bay Well #1A	11/14/2018	27748	COBI-PW
Head of the Bay Well #1A	12/17/2018	3964	COBI-PW
Head of the Bay Well #1A	1/16/2019	0	COBI-PW
Head of the Bay Well #1A	2/21/2019	151000	COBI-PW
Head of the Bay Well #1A	3/18/2019	148000	COBI-PW
Head of the Bay Well #1A	4/16/2019	48000	COBI-PW
Head of the Bay Well #1A	5/16/2019	58000	COBI-PW
Head of the Bay Well #1A	6/18/2019	9000	COBI-PW
Head of the Bay Well #1A	7/17/2019	0	COBI-PW
Head of the Bay Well #1A	8/16/2019	0	COBI-PW
Head of the Bay Well #1A	9/20/2019	15000	COBI-PW
Head of the Bay Well #1A	10/16/2019	8000	COBI-PW
Head of the Bay Well #1A	11/18/2019	52000	COBI-PW
Head of the Bay Well #1A	12/16/2019	45000	COBI-PW
Head of the Bay Well #1A	1/16/2020	152000	COBI-PW
Head of the Bay Well #1A	2/19/2020	117000	COBI-PW
Head of the Bay Well #1A	3/17/2020	47000	COBI-PW
Head of the Bay Well #1A	4/20/2020	182000	COBI-PW
Head of the Bay Well #1A	5/19/2020	137000	COBI-PW
Head of the Bay Well #1A	6/17/2020	93000	COBI-PW
Head of the Bay Well #1A	7/16/2020	6000	COBI-PW
Head of the Bay Well #1A	8/18/2020	0	COBI-PW
Head of the Bay Well #1A	9/17/2020	0	COBI-PW
Head of the Bay Well #1A	10/16/2020	2000	COBI-PW
Head of the Bay Well #1A	11/19/2020	11000	COBI-PW
Head of the Bay Well #1A	12/17/2020	102000	COBI-PW
Head of the Bay Well #1A	1/20/2021	111000	COBI-PW
Head of the Bay Well #1A	2/23/2021	107000	COBI-PW
Head of the Bay Well #1A	3/18/2021	69000	COBI-PW
Head of the Bay Well #1A	5/19/2021	49000	COBI-PW
Head of the Bay Well #1A	6/17/2021	0	COBI-PW
Head of the Bay Well #1A	7/15/2021	0	COBI-PW
Head of the Bay Well #1A	8/18/2021	0	COBI-PW
Head of the Bay Well #1A	9/14/2021	0	COBI-PW

Production Well	Measurement Date	Production Voulme	Technician
Head of the Bay Well #1A	10/18/2021	19000	COBI-PW
Head of the Bay Well #1A	11/16/2021	42000	COBI-PW
Head of the Bay Well #1A	12/20/2021	80000	COBI-PW
Head of the Bay Well #2	12/15/2001	54100	not specified
Head of the Bay Well #2	1/15/2002	76600	not specified
Head of the Bay Well #2	2/15/2002	114500	not specified
Head of the Bay Well #2	3/15/2002	105500	not specified
Head of the Bay Well #2	4/15/2002	121400	not specified
Head of the Bay Well #2	5/15/2002	133200	not specified
Head of the Bay Well #2	6/15/2002	45700	not specified
Head of the Bay Well #2	7/15/2002	12400	not specified
Head of the Bay Well #2	8/15/2002	0	not specified
Head of the Bay Well #2	9/15/2002	4200	not specified
Head of the Bay Well #2	10/15/2002	23500	not specified
Head of the Bay Well #2	11/15/2002	109100	not specified
Head of the Bay Well #2	12/15/2002	173100	not specified
Head of the Bay Well #2	1/15/2003	63600	not specified
Head of the Bay Well #2	2/15/2003	27400	not specified
Head of the Bay Well #2	3/15/2003	62200	not specified
Head of the Bay Well #2	4/15/2003	65300	not specified
Head of the Bay Well #2	5/15/2003	63600	not specified
Head of the Bay Well #2	6/15/2003	1520.4	not specified
Head of the Bay Well #2	7/15/2003	0	not specified
Head of the Bay Well #2	8/15/2003	28127.4	not specified
Head of the Bay Well #2	9/15/2003	9774	not specified
Head of the Bay Well #2	10/15/2003	0	not specified
Head of the Bay Well #2	11/15/2003	0	not specified
Head of the Bay Well #2	12/15/2003	0	not specified
Head of the Bay Well #2	1/15/2004	0	not specified
Head of the Bay Well #2	2/15/2004	0	not specified
Head of the Bay Well #2	3/15/2004	0	not specified
Head of the Bay Well #2	4/15/2004	0	not specified
Head of the Bay Well #2	5/15/2004	0	not specified
Head of the Bay Well #2	6/15/2004	0	not specified
Head of the Bay Well #2	7/15/2004	0	not specified
Head of the Bay Well #2	8/15/2004	2275713	not specified
Head of the Bay Well #2	9/15/2004	2723036.4	not specified
Head of the Bay Well #2	10/15/2004	2076866.4	not specified
Head of the Bay Well #2	11/15/2004	2637000	not specified
Head of the Bay Well #2	12/15/2004	1664000	not specified
Head of the Bay Well #2	1/15/2005	1583000	not specified
Head of the Bay Well #2	2/15/2005	2631000	not specified
Head of the Bay Well #2	3/15/2005	2686000	not specified
Head of the Bay Well #2	4/15/2005	2832000	not specified
Head of the Bay Well #2	5/15/2005	2717000	not specified
Head of the Bay Well #2	6/15/2005	2026000	not specified
Head of the Bay Well #2	7/15/2005	2044000	not specified
Head of the Bay Well #2	8/15/2005	2468000	not specified
Head of the Bay Well #2	9/15/2005	2291000	not specified
Head of the Bay Well #2	10/15/2005	2469000	not specified
Head of the Bay Well #2	11/15/2005	1462000	not specified

Production Well	Measurement Date	Production Voulme	Technician
Head of the Bay Well #2	12/15/2005	1339000	not specified
Head of the Bay Well #2	1/15/2006	1043000	not specified
Head of the Bay Well #2	2/15/2006	1448000	not specified
Head of the Bay Well #2	3/15/2006	1589000	not specified
Head of the Bay Well #2	4/15/2006	2498000	COBI-PW
Head of the Bay Well #2	5/15/2006	2984000	COBI-PW
Head of the Bay Well #2	6/15/2006	2750000	COBI-PW
Head of the Bay Well #2	7/15/2006	2614000	COBI-PW
Head of the Bay Well #2	8/15/2006	3518000	COBI-PW
Head of the Bay Well #2	9/15/2006	1883000	COBI-PW
Head of the Bay Well #2	10/15/2006	804000	COBI-PW
Head of the Bay Well #2	11/15/2006	1576000	COBI-PW
Head of the Bay Well #2	12/15/2006	1194000	COBI-PW
Head of the Bay Well #2	1/15/2007	1115000	COBI-PW
Head of the Bay Well #2	2/15/2007	471000	COBI-PW
Head of the Bay Well #2	3/15/2007	865000	COBI-PW
Head of the Bay Well #2	4/15/2007	1042000	COBI-PW
Head of the Bay Well #2	5/15/2007	942000	COBI-PW
Head of the Bay Well #2	6/15/2007	1351000	COBI-PW
Head of the Bay Well #2	7/15/2007	0	COBI-PW
Head of the Bay Well #2	8/15/2007	2906000	COBI-PW
Head of the Bay Well #2	9/15/2007	759000	COBI-PW
Head of the Bay Well #2	10/15/2007	1271000	COBI-PW
Head of the Bay Well #2	11/15/2007	1244000	COBI-PW
Head of the Bay Well #2	12/15/2007	1291000	COBI-PW
Head of the Bay Well #2	1/15/2008	41000	COBI-PW
Head of the Bay Well #2	2/15/2008	194000	COBI-PW
Head of the Bay Well #2	3/15/2008	123000	COBI-PW
Head of the Bay Well #2	4/15/2008	180000	COBI-PW
Head of the Bay Well #2	5/15/2008	197000	COBI-PW
Head of the Bay Well #2	6/15/2008	141000	COBI-PW
Head of the Bay Well #2	7/15/2008	1123000	COBI-PW
Head of the Bay Well #2	8/15/2008	916000	COBI-PW
Head of the Bay Well #2	9/15/2008	1397000	COBI-PW
Head of the Bay Well #2	10/15/2008	1010000	COBI-PW
Head of the Bay Well #2	1/15/2009	1012035	COBI-PW
Head of the Bay Well #2	2/11/2009	734103	COBI-PW
Head of the Bay Well #2	3/13/2009	1513521	COBI-PW
Head of the Bay Well #2	4/15/2009	1823677	COBI-PW
Head of the Bay Well #2	5/14/2009	0	COBI-PW
Head of the Bay Well #2	6/17/2009	4100504	COBI-PW
Head of the Bay Well #2	7/15/2009	2432912	COBI-PW
Head of the Bay Well #2	8/13/2009	1913300	COBI-PW
Head of the Bay Well #2	9/15/2009	1724991	COBI-PW
Head of the Bay Well #2	10/14/2009	1431954	COBI-PW
Head of the Bay Well #2	11/17/2009	1426919	COBI-PW
Head of the Bay Well #2	12/16/2009	1420877	COBI-PW
Head of the Bay Well #2	1/15/2010	1789364	COBI-PW
Head of the Bay Well #2	2/18/2010	2168432	COBI-PW
Head of the Bay Well #2	3/16/2010	931366	COBI-PW
Head of the Bay Well #2	4/14/2010	1937119	COBI-PW

Production Well	Measurement Date	Production Voulme	Technician
Head of the Bay Well #2	5/13/2010	2110349	COBI-PW
Head of the Bay Well #2	6/23/2010	1429657	COBI-PW
Head of the Bay Well #2	7/13/2010	1335909	COBI-PW
Head of the Bay Well #2	8/20/2010	3068209	COBI-PW
Head of the Bay Well #2	9/15/2010	1600849	COBI-PW
Head of the Bay Well #2	10/15/2010	1380745	COBI-PW
Head of the Bay Well #2	11/12/2010	1080140	COBI-PW
Head of the Bay Well #2	12/15/2010	1800573	COBI-PW
Head of the Bay Well #2	1/18/2011	1281430	COBI-PW
Head of the Bay Well #2	2/22/2011	1452960	COBI-PW
Head of the Bay Well #2	3/15/2011	1337934	COBI-PW
Head of the Bay Well #2	4/19/2011	1578076	COBI-PW
Head of the Bay Well #2	5/17/2011	1847479	COBI-PW
Head of the Bay Well #2	6/15/2011	2115873	COBI-PW
Head of the Bay Well #2	7/20/2011	2607256	COBI-PW
Head of the Bay Well #2	8/18/2011	2534608	COBI-PW
Head of the Bay Well #2	9/14/2011	2181458	COBI-PW
Head of the Bay Well #2	10/20/2011	2271259	COBI-PW
Head of the Bay Well #2	11/16/2011	98882	COBI-PW
Head of the Bay Well #2	12/16/2011	4036	COBI-PW
Head of the Bay Well #2	1/12/2012	0	COBI-PW
Head of the Bay Well #2	2/15/2012	0	COBI-PW
Head of the Bay Well #2	3/19/2012	3027	COBI-PW
Head of the Bay Well #2	4/17/2012	0	COBI-PW
Head of the Bay Well #2	5/10/2012	31279	COBI-PW
Head of the Bay Well #2	6/19/2012	0	COBI-PW
Head of the Bay Well #2	7/18/2012	3027	COBI-PW
Head of the Bay Well #2	8/20/2012	0	COBI-PW
Head of the Bay Well #2	9/18/2012	0	COBI-PW
Head of the Bay Well #2	10/16/2012	56504	COBI-PW
Head of the Bay Well #2	11/14/2012	0	COBI-PW
Head of the Bay Well #2	12/20/2012	902046	COBI-PW
Head of the Bay Well #2	1/17/2013	4036	COBI-PW
Head of the Bay Well #2	2/12/2013	16144	COBI-PW
Head of the Bay Well #2	3/19/2013	0	COBI-PW
Head of the Bay Well #2	4/15/2013	95855	COBI-PW
Head of the Bay Well #2	5/15/2013	24216	COBI-PW
Head of the Bay Well #2	6/19/2013	1334907	COBI-PW
Head of the Bay Well #2	7/19/2013	4850263	COBI-PW
Head of the Bay Well #2	8/16/2013	3959316	COBI-PW
Head of the Bay Well #2	9/19/2013	3824110	COBI-PW
Head of the Bay Well #2	10/25/2013	320862	COBI-PW
Head of the Bay Well #2	11/21/2013	9081	COBI-PW
Head of the Bay Well #2	12/12/2013	54486	COBI-PW
Head of the Bay Well #2	1/21/2014	325120	COBI-PW
Head of the Bay Well #2	2/21/2014	314960	COBI-PW
Head of the Bay Well #2	3/20/2014	221488	COBI-PW
Head of the Bay Well #2	4/22/2014	79248	COBI-PW
Head of the Bay Well #2	5/19/2014	421640	COBI-PW
Head of the Bay Well #2	6/17/2014	338328	COBI-PW
Head of the Bay Well #2	7/16/2014	2077720	COBI-PW

Production Well	Measurement Date	Production Voulme	Technician
Head of the Bay Well #2	8/26/2014	5015992	COBI-PW
Head of the Bay Well #2	9/18/2014	1857248	COBI-PW
Head of the Bay Well #2	10/15/2014	1688592	COBI-PW
Head of the Bay Well #2	11/19/2014	153416	COBI-PW
Head of the Bay Well #2	12/22/2014	2879344	COBI-PW
Head of the Bay Well #2	1/15/2015	2068576	COBI-PW
Head of the Bay Well #2	2/17/2015	3055112	COBI-PW
Head of the Bay Well #2	3/16/2015	714248	COBI-PW
Head of the Bay Well #2	4/21/2015	1525016	COBI-PW
Head of the Bay Well #2	5/21/2015	3506216	COBI-PW
Head of the Bay Well #2	6/23/2015	4205224	COBI-PW
Head of the Bay Well #2	7/16/2015	3552952	COBI-PW
Head of the Bay Well #2	8/17/2015	706120	COBI-PW
Head of the Bay Well #2	9/21/2015	0	COBI-PW
Head of the Bay Well #2	10/14/2015	0	COBI-PW
Head of the Bay Well #2	11/20/2015	0	COBI-PW
Head of the Bay Well #2	12/21/2015	0	COBI-PW
Head of the Bay Well #2	1/26/2016	0	COBI-PW
Head of the Bay Well #2	2/24/2016	0	COBI-PW
Head of the Bay Well #2	3/21/2016	0	COBI-PW
Head of the Bay Well #2	4/25/2016	0	COBI-PW
Head of the Bay Well #2	5/18/2016	0	COBI-PW
Head of the Bay Well #2	6/22/2016	0	COBI-PW
Head of the Bay Well #2	7/20/2016	0	COBI-PW
Head of the Bay Well #2	8/15/2016	0	COBI-PW
Head of the Bay Well #2	10/3/2016	0	COBI-PW
Head of the Bay Well #2	10/26/2016	131064	COBI-PW
Head of the Bay Well #2	11/30/2016	129032	COBI-PW
Head of the Bay Well #2	12/29/2016	283464	COBI-PW
Head of the Bay Well #2	1/24/2017	2299208	COBI-PW
Head of the Bay Well #2	2/23/2017	2427224	COBI-PW
Head of the Bay Well #2	3/23/2017	1786128	COBI-PW
Head of the Bay Well #2	4/19/2017	2862072	COBI-PW
Head of the Bay Well #2	5/22/2017	2825496	COBI-PW
Head of the Bay Well #2	6/23/2017	3006344	COBI-PW
Head of the Bay Well #2	7/18/2017	1004824	COBI-PW
Head of the Bay Well #2	8/15/2017	4077208	COBI-PW
Head of the Bay Well #2	9/20/2017	1619504	COBI-PW
Head of the Bay Well #2	10/18/2017	731520	COBI-PW
Head of the Bay Well #2	11/22/2017	717296	COBI-PW
Head of the Bay Well #2	12/14/2017	1345184	COBI-PW
Head of the Bay Well #2	1/22/2018	1345184	COBI-PW
Head of the Bay Well #2	2/13/2018	1508760	COBI-PW
Head of the Bay Well #2	3/19/2018	2775712	COBI-PW
Head of the Bay Well #2	4/18/2018	1906016	COBI-PW
Head of the Bay Well #2	5/17/2018	1879600	COBI-PW
Head of the Bay Well #2	6/14/2018	2328672	COBI-PW
Head of the Bay Well #2	7/19/2018	3464560	COBI-PW
Head of the Bay Well #2	8/16/2018	3296920	COBI-PW
Head of the Bay Well #2	9/15/2018	0	COBI-PW
Head of the Bay Well #2	10/17/2018	4870704	COBI-PW

Production Well	Measurement Date	Production Voulme	Technician
Head of the Bay Well #2	11/14/2018	1866392	COBI-PW
Head of the Bay Well #2	12/17/2018	2348992	COBI-PW
Head of the Bay Well #2	1/16/2019	1942000	COBI-PW
Head of the Bay Well #2	2/21/2019	1353000	COBI-PW
Head of the Bay Well #2	3/18/2019	870000	COBI-PW
Head of the Bay Well #2	4/16/2019	1507000	COBI-PW
Head of the Bay Well #2	5/16/2019	1479000	COBI-PW
Head of the Bay Well #2	6/18/2019	2811000	COBI-PW
Head of the Bay Well #2	7/17/2019	2669000	COBI-PW
Head of the Bay Well #2	8/16/2019	2734000	COBI-PW
Head of the Bay Well #2	9/20/2019	2501000	COBI-PW
Head of the Bay Well #2	10/16/2019	1298000	COBI-PW
Head of the Bay Well #2	11/18/2019	1359000	COBI-PW
Head of the Bay Well #2	12/16/2019	1142000	COBI-PW
Head of the Bay Well #2	1/16/2020	650000	COBI-PW
Head of the Bay Well #2	2/19/2020	1203000	COBI-PW
Head of the Bay Well #2	3/17/2020	1281000	COBI-PW
Head of the Bay Well #2	4/20/2020	533000	COBI-PW
Head of the Bay Well #2	5/19/2020	476000	COBI-PW
Head of the Bay Well #2	6/17/2020	742000	COBI-PW
Head of the Bay Well #2	7/16/2020	2314000	COBI-PW
Head of the Bay Well #2	8/18/2020	3264000	COBI-PW
Head of the Bay Well #2	9/17/2020	2980000	COBI-PW
Head of the Bay Well #2	10/16/2020	1582000	COBI-PW
Head of the Bay Well #2	11/19/2020	1740000	COBI-PW
Head of the Bay Well #2	12/17/2020	700000	COBI-PW
Head of the Bay Well #2	1/20/2021	1068000	COBI-PW
Head of the Bay Well #2	2/23/2021	1018000	COBI-PW
Head of the Bay Well #2	3/18/2021	813000	COBI-PW
Head of the Bay Well #2	5/19/2021	3381000	COBI-PW
Head of the Bay Well #2	6/17/2021	1949000	COBI-PW
Head of the Bay Well #2	7/15/2021	3041000	COBI-PW
Head of the Bay Well #2	8/18/2021	3493000	COBI-PW
Head of the Bay Well #2	9/14/2021	2392000	COBI-PW
Head of the Bay Well #2	10/18/2021	1547000	COBI-PW
Head of the Bay Well #2	11/16/2021	33000	COBI-PW
Head of the Bay Well #2	12/20/2021	49000	COBI-PW
Head of the Bay Well #3	12/15/2001	129100	not specified
Head of the Bay Well #3	1/15/2002	172200	not specified
Head of the Bay Well #3	2/15/2002	224200	not specified
Head of the Bay Well #3	3/15/2002	235100	not specified
Head of the Bay Well #3	4/15/2002	255300	not specified
Head of the Bay Well #3	5/15/2002	315500	not specified
Head of the Bay Well #3	6/15/2002	139000	not specified
Head of the Bay Well #3	7/15/2002	78300	not specified
Head of the Bay Well #3	8/15/2002	300	not specified
Head of the Bay Well #3	9/15/2002	14800	not specified
Head of the Bay Well #3	10/15/2002	71100	not specified
Head of the Bay Well #3	11/15/2002	304900	not specified
Head of the Bay Well #3	12/15/2002	302200	not specified
Head of the Bay Well #3	1/15/2003	1481000	not specified

Production Well	Measurement Date	Production Voulme	Technician
Head of the Bay Well #3	2/15/2003	1329000	not specified
Head of the Bay Well #3	3/15/2003	1697200	not specified
Head of the Bay Well #3	4/15/2003	1327200	not specified
Head of the Bay Well #3	5/15/2003	1403600	not specified
Head of the Bay Well #3	6/15/2003	0	not specified
Head of the Bay Well #3	7/15/2003	0	not specified
Head of the Bay Well #3	8/15/2003	0	not specified
Head of the Bay Well #3	9/15/2003	0	not specified
Head of the Bay Well #3	10/15/2003	0	not specified
Head of the Bay Well #3	11/15/2003	0	not specified
Head of the Bay Well #3	12/15/2003	0	not specified
Head of the Bay Well #3	1/15/2004	0	not specified
Head of the Bay Well #3	2/15/2004	0	not specified
Head of the Bay Well #3	3/15/2004	0	not specified
Head of the Bay Well #3	4/15/2004	0	not specified
Head of the Bay Well #3	5/15/2004	0	not specified
Head of the Bay Well #3	6/15/2004	0	not specified
Head of the Bay Well #3	7/15/2004	255840	not specified
Head of the Bay Well #3	8/15/2004	1307592	not specified
Head of the Bay Well #3	9/15/2004	1564617.6	not specified
Head of the Bay Well #3	10/15/2004	1193337.6	not specified
Head of the Bay Well #3	11/15/2004	1655000	not specified
Head of the Bay Well #3	12/15/2004	1031000	not specified
Head of the Bay Well #3	1/15/2005	1043000	not specified
Head of the Bay Well #3	2/15/2005	1619000	not specified
Head of the Bay Well #3	3/15/2005	1702000	not specified
Head of the Bay Well #3	4/15/2005	1647000	not specified
Head of the Bay Well #3	5/15/2005	1658000	not specified
Head of the Bay Well #3	6/15/2005	1289000	not specified
Head of the Bay Well #3	7/15/2005	1267000	not specified
Head of the Bay Well #3	8/15/2005	956000	not specified
Head of the Bay Well #3	9/15/2005	0	not specified
Head of the Bay Well #3	10/15/2005	0	not specified
Head of the Bay Well #3	11/15/2005	0	not specified
Head of the Bay Well #3	12/15/2005	119000	not specified
Head of the Bay Well #3	1/15/2006	398000	not specified
Head of the Bay Well #3	2/15/2006	155000	not specified
Head of the Bay Well #3	3/15/2006	0	not specified
Head of the Bay Well #3	4/15/2006	0	COBI-PW
Head of the Bay Well #3	5/15/2006	0	COBI-PW
Head of the Bay Well #3	6/15/2006	1000	COBI-PW
Head of the Bay Well #3	7/15/2006	414000	COBI-PW
Head of the Bay Well #3	8/15/2006	34000	COBI-PW
Head of the Bay Well #3	9/15/2006	1000	COBI-PW
Head of the Bay Well #3	10/15/2006	2000	COBI-PW
Head of the Bay Well #3	11/15/2006	341000	COBI-PW
Head of the Bay Well #3	12/15/2006	294000	COBI-PW
Head of the Bay Well #3	1/15/2007	183000	COBI-PW
Head of the Bay Well #3	2/15/2007	0	COBI-PW
Head of the Bay Well #3	3/15/2007	0	COBI-PW
Head of the Bay Well #3	4/15/2007	0	COBI-PW

Production Well	Measurement Date	Production Voulme	Technician
Head of the Bay Well #3	5/15/2007	0	COBI-PW
Head of the Bay Well #3	6/15/2007	0	COBI-PW
Head of the Bay Well #3	7/15/2007	0	COBI-PW
Head of the Bay Well #3	8/15/2007	0	COBI-PW
Head of the Bay Well #3	9/15/2007	0	COBI-PW
Head of the Bay Well #3	10/15/2007	0	COBI-PW
Head of the Bay Well #3	11/15/2007	0	COBI-PW
Head of the Bay Well #3	12/15/2007	0	COBI-PW
Head of the Bay Well #3	1/15/2008	0	COBI-PW
Head of the Bay Well #3	2/15/2008	682000	COBI-PW
Head of the Bay Well #3	3/15/2008	517000	COBI-PW
Head of the Bay Well #3	4/15/2008	648000	COBI-PW
Head of the Bay Well #3	5/15/2008	624000	COBI-PW
Head of the Bay Well #3	6/15/2008	483000	COBI-PW
Head of the Bay Well #3	7/15/2008	265000	COBI-PW
Head of the Bay Well #3	8/15/2008	80000	COBI-PW
Head of the Bay Well #3	9/15/2008	0	COBI-PW
Head of the Bay Well #3	10/15/2008	17000	COBI-PW
Head of the Bay Well #3	1/15/2009	91816	COBI-PW
Head of the Bay Well #3	2/11/2009	167664	COBI-PW
Head of the Bay Well #3	3/13/2009	136726	COBI-PW
Head of the Bay Well #3	4/15/2009	29940	COBI-PW
Head of the Bay Well #3	5/14/2009	0	COBI-PW
Head of the Bay Well #3	6/17/2009	0	COBI-PW
Head of the Bay Well #3	7/15/2009	0	COBI-PW
Head of the Bay Well #3	8/13/2009	0	COBI-PW
Head of the Bay Well #3	9/15/2009	0	COBI-PW
Head of the Bay Well #3	10/14/2009	35928	COBI-PW
Head of the Bay Well #3	11/17/2009	39920	COBI-PW
Head of the Bay Well #3	12/16/2009	0	COBI-PW
Head of the Bay Well #3	1/15/2010	0	COBI-PW
Head of the Bay Well #3	2/18/2010	0	COBI-PW
Head of the Bay Well #3	3/16/2010	0	COBI-PW
Head of the Bay Well #3	4/14/2010	0	COBI-PW
Head of the Bay Well #3	5/13/2010	0	COBI-PW
Head of the Bay Well #3	6/23/2010	0	COBI-PW
Head of the Bay Well #3	7/13/2010	0	COBI-PW
Head of the Bay Well #3	8/20/2010	0	COBI-PW
Head of the Bay Well #3	9/15/2010	9000	COBI-PW
Head of the Bay Well #3	10/15/2010	5000	COBI-PW
Head of the Bay Well #3	11/12/2010	0	COBI-PW
Head of the Bay Well #3	12/15/2010	0	COBI-PW
Head of the Bay Well #3	1/18/2011	0	COBI-PW
Head of the Bay Well #3	2/22/2011	0	COBI-PW
Head of the Bay Well #3	3/15/2011	0	COBI-PW
Head of the Bay Well #3	4/19/2011	0	COBI-PW
Head of the Bay Well #3	5/17/2011	0	COBI-PW
Head of the Bay Well #3	6/15/2011	0	COBI-PW
Head of the Bay Well #3	7/20/2011	0	COBI-PW
Head of the Bay Well #3	8/18/2011	0	COBI-PW
Head of the Bay Well #3	9/14/2011	0	COBI-PW

Production Well	Measurement Date	Production Voulme	Technician
Head of the Bay Well #3	10/20/2011	2056	COBI-PW
Head of the Bay Well #3	11/16/2011	0	COBI-PW
Head of the Bay Well #3	12/16/2011	340268	COBI-PW
Head of the Bay Well #3	1/12/2012	0	COBI-PW
Head of the Bay Well #3	2/15/2012	487272	COBI-PW
Head of the Bay Well #3	3/19/2012	2948304	COBI-PW
Head of the Bay Well #3	4/17/2012	3177548	COBI-PW
Head of the Bay Well #3	5/10/2012	2111512	COBI-PW
Head of the Bay Well #3	6/19/2012	5647832	COBI-PW
Head of the Bay Well #3	7/18/2012	3740892	COBI-PW
Head of the Bay Well #3	8/20/2012	4967296	COBI-PW
Head of the Bay Well #3	9/18/2012	4968324	COBI-PW
Head of the Bay Well #3	10/16/2012	4088356	COBI-PW
Head of the Bay Well #3	11/14/2012	3004844	COBI-PW
Head of the Bay Well #3	12/20/2012	3793320	COBI-PW
Head of the Bay Well #3	1/17/2013	2969892	COBI-PW
Head of the Bay Well #3	2/12/2013	1167808	COBI-PW
Head of the Bay Well #3	3/19/2013	0	COBI-PW
Head of the Bay Well #3	4/15/2013	93548	COBI-PW
Head of the Bay Well #3	5/15/2013	3903316	COBI-PW
Head of the Bay Well #3	6/19/2013	5600544	COBI-PW
Head of the Bay Well #3	7/19/2013	5625216	COBI-PW
Head of the Bay Well #3	8/16/2013	1890492	COBI-PW
Head of the Bay Well #3	9/19/2013	1083512	COBI-PW
Head of the Bay Well #3	10/25/2013	634276	COBI-PW
Head of the Bay Well #3	11/21/2013	1258272	COBI-PW
Head of the Bay Well #3	12/12/2013	1484432	COBI-PW
Head of the Bay Well #3	1/21/2014	1324566	COBI-PW
Head of the Bay Well #3	2/21/2014	836190	COBI-PW
Head of the Bay Well #3	3/20/2014	1399464	COBI-PW
Head of the Bay Well #3	4/22/2014	2836890	COBI-PW
Head of the Bay Well #3	5/19/2014	1528740	COBI-PW
Head of the Bay Well #3	6/17/2014	235980	COBI-PW
Head of the Bay Well #3	7/16/2014	2506518	COBI-PW
Head of the Bay Well #3	8/26/2014	6014412	COBI-PW
Head of the Bay Well #3	9/18/2014	2621430	COBI-PW
Head of the Bay Well #3	10/15/2014	2406996	COBI-PW
Head of the Bay Well #3	11/19/2014	204174	COBI-PW
Head of the Bay Well #3	12/22/2014	3379644	COBI-PW
Head of the Bay Well #3	1/15/2015	2435724	COBI-PW
Head of the Bay Well #3	2/17/2015	3553038	COBI-PW
Head of the Bay Well #3	3/16/2015	867996	COBI-PW
Head of the Bay Well #3	4/21/2015	1848852	COBI-PW
Head of the Bay Well #3	5/21/2015	3905982	COBI-PW
Head of the Bay Well #3	6/23/2015	4663170	COBI-PW
Head of the Bay Well #3	7/16/2015	3952152	COBI-PW
Head of the Bay Well #3	8/17/2015	5272614	COBI-PW
Head of the Bay Well #3	9/21/2015	4725756	COBI-PW
Head of the Bay Well #3	10/14/2015	3184704	COBI-PW
Head of the Bay Well #3	11/20/2015	4215834	COBI-PW
Head of the Bay Well #3	12/21/2015	3547908	COBI-PW

Production Well	Measurement Date	Production Voulme	Technician
Head of the Bay Well #3	1/26/2016	4084506	COBI-PW
Head of the Bay Well #3	2/24/2016	3270888	COBI-PW
Head of the Bay Well #3	3/21/2016	3124170	COBI-PW
Head of the Bay Well #3	4/25/2016	4554414	COBI-PW
Head of the Bay Well #3	5/18/2016	1336878	COBI-PW
Head of the Bay Well #3	6/22/2016	4198392	COBI-PW
Head of the Bay Well #3	7/20/2016	3002076	COBI-PW
Head of the Bay Well #3	8/15/2016	4237380	COBI-PW
Head of the Bay Well #3	10/3/2016	4432320	COBI-PW
Head of the Bay Well #3	10/26/2016	863892	COBI-PW
Head of the Bay Well #3	11/30/2016	1927854	COBI-PW
Head of the Bay Well #3	12/29/2016	1864242	COBI-PW
Head of the Bay Well #3	1/24/2017	1375866	COBI-PW
Head of the Bay Well #3	2/23/2017	3327318	COBI-PW
Head of the Bay Well #3	3/23/2017	3423762	COBI-PW
Head of the Bay Well #3	4/19/2017	2570130	COBI-PW
Head of the Bay Well #3	5/22/2017	4024998	COBI-PW
Head of the Bay Well #3	6/23/2017	4008582	COBI-PW
Head of the Bay Well #3	7/18/2017	4175820	COBI-PW
Head of the Bay Well #3	8/15/2017	4243536	COBI-PW
Head of the Bay Well #3	9/20/2017	5829732	COBI-PW
Head of the Bay Well #3	10/18/2017	2378268	COBI-PW
Head of the Bay Well #3	11/22/2017	1269162	COBI-PW
Head of the Bay Well #3	12/14/2017	1067040	COBI-PW
Head of the Bay Well #3	1/22/2018	2237706	COBI-PW
Head of the Bay Well #3	2/13/2018	2275668	COBI-PW
Head of the Bay Well #3	3/19/2018	4085532	COBI-PW
Head of the Bay Well #3	4/18/2018	2792772	COBI-PW
Head of the Bay Well #3	5/17/2018	2888190	COBI-PW
Head of the Bay Well #3	6/14/2018	3577662	COBI-PW
Head of the Bay Well #3	7/19/2018	5365980	COBI-PW
Head of the Bay Well #3	8/16/2018	5195664	COBI-PW
Head of the Bay Well #3	9/15/2018	0	COBI-PW
Head of the Bay Well #3	10/17/2018	7536996	COBI-PW
Head of the Bay Well #3	11/14/2018	2756862	COBI-PW
Head of the Bay Well #3	12/17/2018	3450438	COBI-PW
Head of the Bay Well #3	1/16/2019	2907000	COBI-PW
Head of the Bay Well #3	2/21/2019	1899000	COBI-PW
Head of the Bay Well #3	3/18/2019	1189000	COBI-PW
Head of the Bay Well #3	4/16/2019	2689000	COBI-PW
Head of the Bay Well #3	5/16/2019	1349000	COBI-PW
Head of the Bay Well #3	6/18/2019	5745000	COBI-PW
Head of the Bay Well #3	7/17/2019	4551000	COBI-PW
Head of the Bay Well #3	8/16/2019	4735000	COBI-PW
Head of the Bay Well #3	9/20/2019	4626000	COBI-PW
Head of the Bay Well #3	10/16/2019	2513000	COBI-PW
Head of the Bay Well #3	11/18/2019	2652000	COBI-PW
Head of the Bay Well #3	12/16/2019	2211000	COBI-PW
Head of the Bay Well #3	1/16/2020	1629000	COBI-PW
Head of the Bay Well #3	2/19/2020	2392000	COBI-PW
Head of the Bay Well #3	3/17/2020	2536000	COBI-PW

Production Well	Measurement Date	Production Voulme	Technician
Head of the Bay Well #3	4/20/2020	1186000	COBI-PW
Head of the Bay Well #3	5/19/2020	998000	COBI-PW
Head of the Bay Well #3	6/17/2020	1494000	COBI-PW
Head of the Bay Well #3	7/16/2020	4429000	COBI-PW
Head of the Bay Well #3	8/18/2020	6213000	COBI-PW
Head of the Bay Well #3	9/17/2020	5693000	COBI-PW
Head of the Bay Well #3	10/16/2020	3032000	COBI-PW
Head of the Bay Well #3	11/19/2020	3331000	COBI-PW
Head of the Bay Well #3	12/17/2020	1453000	COBI-PW
Head of the Bay Well #3	1/20/2021	2139000	COBI-PW
Head of the Bay Well #3	2/23/2021	2002000	COBI-PW
Head of the Bay Well #3	3/18/2021	1594000	COBI-PW
Head of the Bay Well #3	5/19/2021	6362000	COBI-PW
Head of the Bay Well #3	6/17/2021	3626000	COBI-PW
Head of the Bay Well #3	7/15/2021	5681000	COBI-PW
Head of the Bay Well #3	8/18/2021	6611000	COBI-PW
Head of the Bay Well #3	9/14/2021	4594000	COBI-PW
Head of the Bay Well #3	10/18/2021	2994000	COBI-PW
Head of the Bay Well #3	11/16/2021	239000	COBI-PW
Head of the Bay Well #3	12/20/2021	1195000	COBI-PW
Head of the Bay Well #4	12/15/2001	1224100	not specified
Head of the Bay Well #4	1/15/2002	1230300	not specified
Head of the Bay Well #4	2/15/2002	766100	not specified
Head of the Bay Well #4	3/15/2002	753300	not specified
Head of the Bay Well #4	4/15/2002	977300	not specified
Head of the Bay Well #4	5/15/2002	732000	not specified
Head of the Bay Well #4	6/15/2002	780100	not specified
Head of the Bay Well #4	7/15/2002	1668800	not specified
Head of the Bay Well #4	8/15/2002	1855200	not specified
Head of the Bay Well #4	9/15/2002	1858400	not specified
Head of the Bay Well #4	10/15/2002	1176200	not specified
Head of the Bay Well #4	11/15/2002	812600	not specified
Head of the Bay Well #4	12/15/2002	662400	not specified
Head of the Bay Well #4	1/15/2003	25500	not specified
Head of the Bay Well #4	2/15/2003	4300	not specified
Head of the Bay Well #4	3/15/2003	17600	not specified
Head of the Bay Well #4	4/15/2003	19300	not specified
Head of the Bay Well #4	5/15/2003	19400	not specified
Head of the Bay Well #4	6/15/2003	1865368.8	not specified
Head of the Bay Well #4	7/15/2003	2673471	not specified
Head of the Bay Well #4	8/15/2003	2574841.2	not specified
Head of the Bay Well #4	9/15/2003	1496695.2	not specified
Head of the Bay Well #4	10/15/2003	1050378	not specified
Head of the Bay Well #4	11/15/2003	846924	not specified
Head of the Bay Well #4	12/15/2003	830743.8	not specified
Head of the Bay Well #4	1/15/2004	958850.4	not specified
Head of the Bay Well #4	2/15/2004	829569	not specified
Head of the Bay Well #4	3/15/2004	872823	not specified
Head of the Bay Well #4	4/15/2004	1151944.8	not specified
Head of the Bay Well #4	5/15/2004	1230816.6	not specified
Head of the Bay Well #4	6/15/2004	1251589.2	not specified

Production Well	Measurement Date	Production Voulme	Technician
Head of the Bay Well #4	7/15/2004	1744097.4	not specified
Head of the Bay Well #4	8/15/2004	586225.2	not specified
Head of the Bay Well #4	9/15/2004	20559	not specified
Head of the Bay Well #4	10/15/2004	41758.8	not specified
Head of the Bay Well #4	11/15/2004	16000	not specified
Head of the Bay Well #4	12/15/2004	36000	not specified
Head of the Bay Well #4	1/15/2005	17000	not specified
Head of the Bay Well #4	2/15/2005	6000	not specified
Head of the Bay Well #4	3/15/2005	308000	not specified
Head of the Bay Well #4	4/15/2005	208000	not specified
Head of the Bay Well #4	5/15/2005	19000	not specified
Head of the Bay Well #4	6/15/2005	20000	not specified
Head of the Bay Well #4	7/15/2005	3000	not specified
Head of the Bay Well #4	8/15/2005	217000	not specified
Head of the Bay Well #4	9/15/2005	1000	not specified
Head of the Bay Well #4	10/15/2005	22000	not specified
Head of the Bay Well #4	11/15/2005	11000	not specified
Head of the Bay Well #4	12/15/2005	23000	not specified
Head of the Bay Well #4	1/15/2006	39000	not specified
Head of the Bay Well #4	2/15/2006	60000	not specified
Head of the Bay Well #4	3/15/2006	55000	not specified
Head of the Bay Well #4	4/15/2006	29000	COBI-PW
Head of the Bay Well #4	5/15/2006	1000	COBI-PW
Head of the Bay Well #4	6/15/2006	6000	COBI-PW
Head of the Bay Well #4	7/15/2006	156000	COBI-PW
Head of the Bay Well #4	8/15/2006	34000	COBI-PW
Head of the Bay Well #4	9/15/2006	3000	COBI-PW
Head of the Bay Well #4	10/15/2006	21000	COBI-PW
Head of the Bay Well #4	11/15/2006	43000	COBI-PW
Head of the Bay Well #4	12/15/2006	27000	COBI-PW
Head of the Bay Well #4	1/15/2007	67000	COBI-PW
Head of the Bay Well #4	2/15/2007	14000	COBI-PW
Head of the Bay Well #4	3/15/2007	85000	COBI-PW
Head of the Bay Well #4	4/15/2007	128000	COBI-PW
Head of the Bay Well #4	5/15/2007	103000	COBI-PW
Head of the Bay Well #4	6/15/2007	16000	COBI-PW
Head of the Bay Well #4	7/15/2007	0	COBI-PW
Head of the Bay Well #4	8/15/2007	49000	COBI-PW
Head of the Bay Well #4	9/15/2007	58000	COBI-PW
Head of the Bay Well #4	10/15/2007	40000	COBI-PW
Head of the Bay Well #4	11/15/2007	56000	COBI-PW
Head of the Bay Well #4	12/15/2007	38000	COBI-PW
Head of the Bay Well #4	1/15/2008	8000	COBI-PW
Head of the Bay Well #4	2/15/2008	96000	COBI-PW
Head of the Bay Well #4	3/15/2008	59000	COBI-PW
Head of the Bay Well #4	4/15/2008	98000	COBI-PW
Head of the Bay Well #4	5/15/2008	102000	COBI-PW
Head of the Bay Well #4	6/15/2008	60000	COBI-PW
Head of the Bay Well #4	7/15/2008	746000	COBI-PW
Head of the Bay Well #4	8/15/2008	614000	COBI-PW
Head of the Bay Well #4	9/15/2008	931000	COBI-PW

Production Well	Measurement Date	Production Voulme	Technician
Head of the Bay Well #4	10/15/2008	668000	COBI-PW
Head of the Bay Well #4	1/15/2009	646816	COBI-PW
Head of the Bay Well #4	2/11/2009	484126	COBI-PW
Head of the Bay Well #4	3/13/2009	951490	COBI-PW
Head of the Bay Well #4	4/15/2009	1194046	COBI-PW
Head of the Bay Well #4	5/14/2009	0	COBI-PW
Head of the Bay Well #4	6/17/2009	2676990	COBI-PW
Head of the Bay Well #4	7/15/2009	1598306	COBI-PW
Head of the Bay Well #4	8/13/2009	1252220	COBI-PW
Head of the Bay Well #4	9/15/2009	1120096	COBI-PW
Head of the Bay Well #4	10/14/2009	1027412	COBI-PW
Head of the Bay Well #4	11/17/2009	849932	COBI-PW
Head of the Bay Well #4	12/16/2009	925854	COBI-PW
Head of the Bay Well #4	1/15/2010	1156190	COBI-PW
Head of the Bay Well #4	2/18/2010	1403945	COBI-PW
Head of the Bay Well #4	3/16/2010	601975	COBI-PW
Head of the Bay Well #4	4/14/2010	1248725	COBI-PW
Head of the Bay Well #4	5/13/2010	1353200	COBI-PW
Head of the Bay Well #4	6/23/2010	932315	COBI-PW
Head of the Bay Well #4	7/13/2010	854705	COBI-PW
Head of the Bay Well #4	8/20/2010	1861645	COBI-PW
Head of the Bay Well #4	9/15/2010	1021865	COBI-PW
Head of the Bay Well #4	10/15/2010	884555	COBI-PW
Head of the Bay Well #4	11/12/2010	693515	COBI-PW
Head of the Bay Well #4	12/15/2010	1140270	COBI-PW
Head of the Bay Well #4	1/18/2011	754196	COBI-PW
Head of the Bay Well #4	2/22/2011	838098	COBI-PW
Head of the Bay Well #4	3/15/2011	783700	COBI-PW
Head of the Bay Well #4	4/19/2011	915546	COBI-PW
Head of the Bay Well #4	5/17/2011	1078740	COBI-PW
Head of the Bay Well #4	6/15/2011	1227182	COBI-PW
Head of the Bay Well #4	7/20/2011	1505626	COBI-PW
Head of the Bay Well #4	8/18/2011	1453994	COBI-PW
Head of the Bay Well #4	9/14/2011	1245622	COBI-PW
Head of the Bay Well #4	10/20/2011	1264984	COBI-PW
Head of the Bay Well #4	11/16/2011	0	COBI-PW
Head of the Bay Well #4	12/16/2011	84824	COBI-PW
Head of the Bay Well #4	1/12/2012	470220	COBI-PW
Head of the Bay Well #4	2/15/2012	575328	COBI-PW
Head of the Bay Well #4	3/19/2012	955192	COBI-PW
Head of the Bay Well #4	4/17/2012	1040016	COBI-PW
Head of the Bay Well #4	5/10/2012	693344	COBI-PW
Head of the Bay Well #4	6/19/2012	1837546	COBI-PW
Head of the Bay Well #4	7/18/2012	1209664	COBI-PW
Head of the Bay Well #4	8/20/2012	1628252	COBI-PW
Head of the Bay Well #4	9/18/2012	1625486	COBI-PW
Head of the Bay Well #4	10/16/2012	1342432	COBI-PW
Head of the Bay Well #4	11/14/2012	1001292	COBI-PW
Head of the Bay Well #4	12/20/2012	954270	COBI-PW
Head of the Bay Well #4	1/17/2013	986540	COBI-PW
Head of the Bay Well #4	2/12/2013	390928	COBI-PW

Production Well	Measurement Date	Production Voulme	Technician
Head of the Bay Well #4	3/19/2013	14752	COBI-PW
Head of the Bay Well #4	4/15/2013	18440	COBI-PW
Head of the Bay Well #4	5/15/2013	1264062	COBI-PW
Head of the Bay Well #4	6/19/2013	1325836	COBI-PW
Head of the Bay Well #4	7/19/2013	0	COBI-PW
Head of the Bay Well #4	8/16/2013	0	COBI-PW
Head of the Bay Well #4	9/19/2013	6454	COBI-PW
Head of the Bay Well #4	10/25/2013	638946	COBI-PW
Head of the Bay Well #4	11/21/2013	850084	COBI-PW
Head of the Bay Well #4	12/12/2013	425964	COBI-PW
Head of the Bay Well #4	1/21/2014	282440	COBI-PW
Head of the Bay Well #4	2/21/2014	161920	COBI-PW
Head of the Bay Well #4	3/20/2014	345920	COBI-PW
Head of the Bay Well #4	4/22/2014	841800	COBI-PW
Head of the Bay Well #4	5/19/2014	269560	COBI-PW
Head of the Bay Well #4	6/17/2014	3680	COBI-PW
Head of the Bay Well #4	7/16/2014	0	COBI-PW
Head of the Bay Well #4	8/26/2014	27600	COBI-PW
Head of the Bay Well #4	9/18/2014	0	COBI-PW
Head of the Bay Well #4	10/15/2014	920	COBI-PW
Head of the Bay Well #4	11/19/2014	8280	COBI-PW
Head of the Bay Well #4	12/22/2014	1840	COBI-PW
Head of the Bay Well #4	1/15/2015	920	COBI-PW
Head of the Bay Well #4	2/17/2015	920	COBI-PW
Head of the Bay Well #4	3/16/2015	13800	COBI-PW
Head of the Bay Well #4	4/21/2015	46920	COBI-PW
Head of the Bay Well #4	5/21/2015	920	COBI-PW
Head of the Bay Well #4	6/23/2015	0	COBI-PW
Head of the Bay Well #4	7/16/2015	0	COBI-PW
Head of the Bay Well #4	8/17/2015	1444400	COBI-PW
Head of the Bay Well #4	9/21/2015	1518000	COBI-PW
Head of the Bay Well #4	10/14/2015	1030400	COBI-PW
Head of the Bay Well #4	11/20/2015	1361600	COBI-PW
Head of the Bay Well #4	12/21/2015	1143560	COBI-PW
Head of the Bay Well #4	1/26/2016	1307320	COBI-PW
Head of the Bay Well #4	2/24/2016	1036840	COBI-PW
Head of the Bay Well #4	3/21/2016	996360	COBI-PW
Head of the Bay Well #4	4/25/2016	1520760	COBI-PW
Head of the Bay Well #4	5/18/2016	382720	COBI-PW
Head of the Bay Well #4	6/22/2016	1326640	COBI-PW
Head of the Bay Well #4	7/20/2016	943000	COBI-PW
Head of the Bay Well #4	8/15/2016	1382760	COBI-PW
Head of the Bay Well #4	10/3/2016	1343200	COBI-PW
Head of the Bay Well #4	10/26/2016	218960	COBI-PW
Head of the Bay Well #4	11/30/2016	548320	COBI-PW
Head of the Bay Well #4	12/29/2016	518880	COBI-PW
Head of the Bay Well #4	1/24/2017	337640	COBI-PW
Head of the Bay Well #4	2/23/2017	0	COBI-PW
Head of the Bay Well #4	3/23/2017	0	COBI-PW
Head of the Bay Well #4	4/19/2017	920	COBI-PW
Head of the Bay Well #4	5/22/2017	0	COBI-PW

Production Well	Measurement Date	Production Voulme	Technician
Head of the Bay Well #4	6/23/2017	0	COBI-PW
Head of the Bay Well #4	7/18/2017	0	COBI-PW
Head of the Bay Well #4	8/15/2017	420440	COBI-PW
Head of the Bay Well #4	9/20/2017	0	COBI-PW
Head of the Bay Well #4	10/18/2017	0	COBI-PW
Head of the Bay Well #4	11/22/2017	0	COBI-PW
Head of the Bay Well #4	12/14/2017	87400	COBI-PW
Head of the Bay Well #4	1/22/2018	217120	COBI-PW
Head of the Bay Well #4	2/13/2018	11960	COBI-PW
Head of the Bay Well #4	3/19/2018	9200	COBI-PW
Head of the Bay Well #4	4/18/2018	2760	COBI-PW
Head of the Bay Well #4	5/17/2018	23000	COBI-PW
Head of the Bay Well #4	6/14/2018	0	COBI-PW
Head of the Bay Well #4	7/19/2018	10120	COBI-PW
Head of the Bay Well #4	8/16/2018	0	COBI-PW
Head of the Bay Well #4	9/15/2018	0	COBI-PW
Head of the Bay Well #4	10/17/2018	2760	COBI-PW
Head of the Bay Well #4	11/14/2018	4600	COBI-PW
Head of the Bay Well #4	12/17/2018	0	COBI-PW
Head of the Bay Well #4	1/16/2019	9000	COBI-PW
Head of the Bay Well #4	2/21/2019	23000	COBI-PW
Head of the Bay Well #4	3/18/2019	64000	COBI-PW
Head of the Bay Well #4	4/16/2019	9000	COBI-PW
Head of the Bay Well #4	5/16/2019	18000	COBI-PW
Head of the Bay Well #4	6/18/2019	3000	COBI-PW
Head of the Bay Well #4	7/17/2019	0	COBI-PW
Head of the Bay Well #4	8/16/2019	0	COBI-PW
Head of the Bay Well #4	9/20/2019	13000	COBI-PW
Head of the Bay Well #4	10/16/2019	0	COBI-PW
Head of the Bay Well #4	11/18/2019	4000	COBI-PW
Head of the Bay Well #4	12/16/2019	10000	COBI-PW
Head of the Bay Well #4	1/16/2020	57000	COBI-PW
Head of the Bay Well #4	2/19/2020	34000	COBI-PW
Head of the Bay Well #4	3/17/2020	9000	COBI-PW
Head of the Bay Well #4	4/20/2020	80000	COBI-PW
Head of the Bay Well #4	5/19/2020	76000	COBI-PW
Head of the Bay Well #4	6/17/2020	53000	COBI-PW
Head of the Bay Well #4	7/16/2020	4000	COBI-PW
Head of the Bay Well #4	8/18/2020	0	COBI-PW
Head of the Bay Well #4	9/17/2020	0	COBI-PW
Head of the Bay Well #4	10/16/2020	2000	COBI-PW
Head of the Bay Well #4	11/19/2020	0	COBI-PW
Head of the Bay Well #4	12/17/2020	0	COBI-PW
Head of the Bay Well #4	1/20/2021	73000	COBI-PW
Head of the Bay Well #4	2/23/2021	34000	COBI-PW
Head of the Bay Well #4	3/18/2021	38000	COBI-PW
Head of the Bay Well #4	5/19/2021	15000	COBI-PW
Head of the Bay Well #4	6/17/2021	0	COBI-PW
Head of the Bay Well #4	7/15/2021	0	COBI-PW
Head of the Bay Well #4	8/18/2021	0	COBI-PW
Head of the Bay Well #4	9/14/2021	0	COBI-PW

Production Well	Measurement Date	Production Voulme	Technician
Head of the Bay Well #4	10/18/2021	10000	COBI-PW
Head of the Bay Well #4	11/16/2021	19000	COBI-PW
Head of the Bay Well #4	12/20/2021	24000	COBI-PW
Head of the Bay Well #5	12/15/2001	1463000	not specified
Head of the Bay Well #5	1/15/2002	1463900	not specified
Head of the Bay Well #5	2/15/2002	919600	not specified
Head of the Bay Well #5	3/15/2002	911300	not specified
Head of the Bay Well #5	4/15/2002	1160900	not specified
Head of the Bay Well #5	5/15/2002	882100	not specified
Head of the Bay Well #5	6/15/2002	916900	not specified
Head of the Bay Well #5	7/15/2002	1932500	not specified
Head of the Bay Well #5	8/15/2002	2139700	not specified
Head of the Bay Well #5	9/15/2002	2142800	not specified
Head of the Bay Well #5	10/15/2002	1376600	not specified
Head of the Bay Well #5	11/15/2002	939500	not specified
Head of the Bay Well #5	12/15/2002	774000	not specified
Head of the Bay Well #5	1/15/2003	1408600	not specified
Head of the Bay Well #5	2/15/2003	1324900	not specified
Head of the Bay Well #5	3/15/2003	1657800	not specified
Head of the Bay Well #5	4/15/2003	1282400	not specified
Head of the Bay Well #5	5/15/2003	1374400	not specified
Head of the Bay Well #5	6/15/2003	40788	not specified
Head of the Bay Well #5	7/15/2003	0	not specified
Head of the Bay Well #5	8/15/2003	291390	not specified
Head of the Bay Well #5	9/15/2003	1854600	not specified
Head of the Bay Well #5	10/15/2003	1298616	not specified
Head of the Bay Well #5	11/15/2003	1045902	not specified
Head of the Bay Well #5	12/15/2003	1026234	not specified
Head of the Bay Well #5	1/15/2004	1185228	not specified
Head of the Bay Well #5	2/15/2004	1024254	not specified
Head of the Bay Well #5	3/15/2004	1078044	not specified
Head of the Bay Well #5	4/15/2004	1422696	not specified
Head of the Bay Well #5	5/15/2004	1520508	not specified
Head of the Bay Well #5	6/15/2004	1547238	not specified
Head of the Bay Well #5	7/15/2004	2154834	not specified
Head of the Bay Well #5	8/15/2004	535062	not specified
Head of the Bay Well #5	9/15/2004	26862	not specified
Head of the Bay Well #5	10/15/2004	46002	not specified
Head of the Bay Well #5	11/15/2004	51000	not specified
Head of the Bay Well #5	12/15/2004	94000	not specified
Head of the Bay Well #5	1/15/2005	81000	not specified
Head of the Bay Well #5	2/15/2005	43000	not specified
Head of the Bay Well #5	3/15/2005	35000	not specified
Head of the Bay Well #5	4/15/2005	214000	not specified
Head of the Bay Well #5	5/15/2005	60000	not specified
Head of the Bay Well #5	6/15/2005	67000	not specified
Head of the Bay Well #5	7/15/2005	32000	not specified
Head of the Bay Well #5	8/15/2005	1281000	not specified
Head of the Bay Well #5	9/15/2005	1376000	not specified
Head of the Bay Well #5	10/15/2005	1500000	not specified
Head of the Bay Well #5	11/15/2005	910000	not specified

Production Well	Measurement Date	Production Voulme	Technician
Head of the Bay Well #5	12/15/2005	844000	not specified
Head of the Bay Well #5	1/15/2006	659000	not specified
Head of the Bay Well #5	2/15/2006	364000	not specified
Head of the Bay Well #5	3/15/2006	0	not specified
Head of the Bay Well #5	4/15/2006	0	COBI-PW
Head of the Bay Well #5	5/15/2006	0	COBI-PW
Head of the Bay Well #5	6/15/2006	24000	COBI-PW
Head of the Bay Well #5	7/15/2006	179000	COBI-PW
Head of the Bay Well #5	8/15/2006	15000	COBI-PW
Head of the Bay Well #5	9/15/2006	22000	COBI-PW
Head of the Bay Well #5	10/15/2006	111000	COBI-PW
Head of the Bay Well #5	11/15/2006	112000	COBI-PW
Head of the Bay Well #5	12/15/2006	81000	COBI-PW
Head of the Bay Well #5	1/15/2007	137000	COBI-PW
Head of the Bay Well #5	2/15/2007	36000	COBI-PW
Head of the Bay Well #5	3/15/2007	169000	COBI-PW
Head of the Bay Well #5	4/15/2007	231000	COBI-PW
Head of the Bay Well #5	5/15/2007	183000	COBI-PW
Head of the Bay Well #5	6/15/2007	57000	COBI-PW
Head of the Bay Well #5	7/15/2007	0	COBI-PW
Head of the Bay Well #5	8/15/2007	153000	COBI-PW
Head of the Bay Well #5	9/15/2007	127000	COBI-PW
Head of the Bay Well #5	10/15/2007	98000	COBI-PW
Head of the Bay Well #5	11/15/2007	149000	COBI-PW
Head of the Bay Well #5	12/15/2007	109000	COBI-PW
Head of the Bay Well #5	1/15/2008	13000	COBI-PW
Head of the Bay Well #5	2/15/2008	187000	COBI-PW
Head of the Bay Well #5	3/15/2008	123000	COBI-PW
Head of the Bay Well #5	4/15/2008	170000	COBI-PW
Head of the Bay Well #5	5/15/2008	174000	COBI-PW
Head of the Bay Well #5	6/15/2008	121000	COBI-PW
Head of the Bay Well #5	7/15/2008	752000	COBI-PW
Head of the Bay Well #5	8/15/2008	615000	COBI-PW
Head of the Bay Well #5	9/15/2008	905000	COBI-PW
Head of the Bay Well #5	10/15/2008	675000	COBI-PW
Head of the Bay Well #5	1/15/2009	689232	COBI-PW
Head of the Bay Well #5	2/11/2009	494016	COBI-PW
Head of the Bay Well #5	3/13/2009	991020	COBI-PW
Head of the Bay Well #5	4/15/2009	1187232	COBI-PW
Head of the Bay Well #5	5/14/2009	0	COBI-PW
Head of the Bay Well #5	6/17/2009	2677248	COBI-PW
Head of the Bay Well #5	7/15/2009	1602564	COBI-PW
Head of the Bay Well #5	8/13/2009	1264920	COBI-PW
Head of the Bay Well #5	9/15/2009	1130460	COBI-PW
Head of the Bay Well #5	10/14/2009	948192	COBI-PW
Head of the Bay Well #5	11/17/2009	977076	COBI-PW
Head of the Bay Well #5	12/16/2009	960144	COBI-PW
Head of the Bay Well #5	1/15/2010	1183055	COBI-PW
Head of the Bay Well #5	2/18/2010	1436780	COBI-PW
Head of the Bay Well #5	3/16/2010	614910	COBI-PW
Head of the Bay Well #5	4/14/2010	1279570	COBI-PW

Production Well	Measurement Date	Production Voulme	Technician
Head of the Bay Well #5	5/13/2010	1372105	COBI-PW
Head of the Bay Well #5	6/23/2010	973110	COBI-PW
Head of the Bay Well #5	7/13/2010	873610	COBI-PW
Head of the Bay Well #5	8/20/2010	1999950	COBI-PW
Head of the Bay Well #5	9/15/2010	1040770	COBI-PW
Head of the Bay Well #5	10/15/2010	911420	COBI-PW
Head of the Bay Well #5	11/12/2010	733315	COBI-PW
Head of the Bay Well #5	12/15/2010	1188030	COBI-PW
Head of the Bay Well #5	1/18/2011	860544	COBI-PW
Head of the Bay Well #5	2/22/2011	973092	COBI-PW
Head of the Bay Well #5	3/15/2011	897396	COBI-PW
Head of the Bay Well #5	4/19/2011	1049784	COBI-PW
Head of the Bay Well #5	5/17/2011	1236036	COBI-PW
Head of the Bay Well #5	6/15/2011	1409340	COBI-PW
Head of the Bay Well #5	7/20/2011	1716108	COBI-PW
Head of the Bay Well #5	8/18/2011	1683240	COBI-PW
Head of the Bay Well #5	9/14/2011	1456152	COBI-PW
Head of the Bay Well #5	10/20/2011	660348	COBI-PW
Head of the Bay Well #5	11/16/2011	173304	COBI-PW
Head of the Bay Well #5	12/16/2011	134460	COBI-PW
Head of the Bay Well #5	1/12/2012	0	COBI-PW
Head of the Bay Well #5	2/15/2012	251988	COBI-PW
Head of the Bay Well #5	3/19/2012	1442208	COBI-PW
Head of the Bay Well #5	4/17/2012	1522884	COBI-PW
Head of the Bay Well #5	5/10/2012	1003968	COBI-PW
Head of the Bay Well #5	6/19/2012	2650356	COBI-PW
Head of the Bay Well #5	7/18/2012	1740012	COBI-PW
Head of the Bay Well #5	8/20/2012	2273868	COBI-PW
Head of the Bay Well #5	9/18/2012	2233032	COBI-PW
Head of the Bay Well #5	10/16/2012	1810728	COBI-PW
Head of the Bay Well #5	11/14/2012	1340616	COBI-PW
Head of the Bay Well #5	12/20/2012	1278864	COBI-PW
Head of the Bay Well #5	1/17/2013	1324680	COBI-PW
Head of the Bay Well #5	2/12/2013	520908	COBI-PW
Head of the Bay Well #5	3/19/2013	0	COBI-PW
Head of the Bay Well #5	4/15/2013	41832	COBI-PW
Head of the Bay Well #5	5/15/2013	1758936	COBI-PW
Head of the Bay Well #5	6/19/2013	1850568	COBI-PW
Head of the Bay Well #5	7/19/2013	0	COBI-PW
Head of the Bay Well #5	8/16/2013	0	COBI-PW
Head of the Bay Well #5	9/19/2013	9960	COBI-PW
Head of the Bay Well #5	10/25/2013	930264	COBI-PW
Head of the Bay Well #5	11/21/2013	1239024	COBI-PW
Head of the Bay Well #5	12/12/2013	644412	COBI-PW
Head of the Bay Well #5	1/21/2014	477084	COBI-PW
Head of the Bay Well #5	2/21/2014	284856	COBI-PW
Head of the Bay Well #5	3/20/2014	534852	COBI-PW
Head of the Bay Well #5	4/22/2014	1248984	COBI-PW
Head of the Bay Well #5	5/19/2014	426288	COBI-PW
Head of the Bay Well #5	6/17/2014	13944	COBI-PW
Head of the Bay Well #5	7/16/2014	3984	COBI-PW

Production Well	Measurement Date	Production Voulme	Technician
Head of the Bay Well #5	8/26/2014	8964	COBI-PW
Head of the Bay Well #5	9/18/2014	0	COBI-PW
Head of the Bay Well #5	10/15/2014	5976	COBI-PW
Head of the Bay Well #5	11/19/2014	15936	COBI-PW
Head of the Bay Well #5	12/22/2014	24900	COBI-PW
Head of the Bay Well #5	1/15/2015	17928	COBI-PW
Head of the Bay Well #5	2/17/2015	18924	COBI-PW
Head of the Bay Well #5	3/16/2015	30876	COBI-PW
Head of the Bay Well #5	4/21/2015	80676	COBI-PW
Head of the Bay Well #5	5/21/2015	9960	COBI-PW
Head of the Bay Well #5	6/23/2015	3984	COBI-PW
Head of the Bay Well #5	7/16/2015	0	COBI-PW
Head of the Bay Well #5	8/17/2015	0	COBI-PW
Head of the Bay Well #5	9/21/2015	0	COBI-PW
Head of the Bay Well #5	10/14/2015	0	COBI-PW
Head of the Bay Well #5	11/20/2015	0	COBI-PW
Head of the Bay Well #5	12/21/2015	0	COBI-PW
Head of the Bay Well #5	1/26/2016	2988	COBI-PW
Head of the Bay Well #5	2/24/2016	9960	COBI-PW
Head of the Bay Well #5	3/21/2016	6972	COBI-PW
Head of the Bay Well #5	4/25/2016	3984	COBI-PW
Head of the Bay Well #5	5/18/2016	88644	COBI-PW
Head of the Bay Well #5	6/22/2016	28884	COBI-PW
Head of the Bay Well #5	7/20/2016	10956	COBI-PW
Head of the Bay Well #5	8/15/2016	17928	COBI-PW
Head of the Bay Well #5	10/3/2016	63744	COBI-PW
Head of the Bay Well #5	10/26/2016	87648	COBI-PW
Head of the Bay Well #5	11/30/2016	152388	COBI-PW
Head of the Bay Well #5	12/29/2016	118524	COBI-PW
Head of the Bay Well #5	1/24/2017	202188	COBI-PW
Head of the Bay Well #5	2/23/2017	1291812	COBI-PW
Head of the Bay Well #5	3/23/2017	1319700	COBI-PW
Head of the Bay Well #5	4/19/2017	986040	COBI-PW
Head of the Bay Well #5	5/22/2017	1566708	COBI-PW
Head of the Bay Well #5	6/23/2017	1553760	COBI-PW
Head of the Bay Well #5	7/18/2017	1636428	COBI-PW
Head of the Bay Well #5	8/15/2017	1620492	COBI-PW
Head of the Bay Well #5	9/20/2017	2860512	COBI-PW
Head of the Bay Well #5	10/18/2017	1211136	COBI-PW
Head of the Bay Well #5	11/22/2017	705168	COBI-PW
Head of the Bay Well #5	12/14/2017	614532	COBI-PW
Head of the Bay Well #5	1/22/2018	1156356	COBI-PW
Head of the Bay Well #5	2/13/2018	1073688	COBI-PW
Head of the Bay Well #5	3/19/2018	1909332	COBI-PW
Head of the Bay Well #5	4/18/2018	1296792	COBI-PW
Head of the Bay Well #5	5/17/2018	906360	COBI-PW
Head of the Bay Well #5	6/14/2018	1138428	COBI-PW
Head of the Bay Well #5	7/19/2018	1692204	COBI-PW
Head of the Bay Well #5	8/16/2018	1612524	COBI-PW
Head of the Bay Well #5	9/15/2018	0	COBI-PW
Head of the Bay Well #5	10/17/2018	1977060	COBI-PW

Production Well	Measurement Date	Production Voulme	Technician
Head of the Bay Well #5	11/14/2018	936240	COBI-PW
Head of the Bay Well #5	12/17/2018	937236	COBI-PW
Head of the Bay Well #5	1/16/2019	796000	COBI-PW
Head of the Bay Well #5	2/21/2019	570000	COBI-PW
Head of the Bay Well #5	3/18/2019	361000	COBI-PW
Head of the Bay Well #5	4/16/2019	546000	COBI-PW
Head of the Bay Well #5	5/16/2019	481000	COBI-PW
Head of the Bay Well #5	6/18/2019	996000	COBI-PW
Head of the Bay Well #5	7/17/2019	934000	COBI-PW
Head of the Bay Well #5	8/16/2019	940000	COBI-PW
Head of the Bay Well #5	9/20/2019	986000	COBI-PW
Head of the Bay Well #5	10/16/2019	514000	COBI-PW
Head of the Bay Well #5	11/18/2019	537000	COBI-PW
Head of the Bay Well #5	12/16/2019	452000	COBI-PW
Head of the Bay Well #5	1/16/2020	323000	COBI-PW
Head of the Bay Well #5	2/19/2020	488000	COBI-PW
Head of the Bay Well #5	3/17/2020	509000	COBI-PW
Head of the Bay Well #5	4/20/2020	241000	COBI-PW
Head of the Bay Well #5	5/19/2020	213000	COBI-PW
Head of the Bay Well #5	6/17/2020	312000	COBI-PW
Head of the Bay Well #5	7/16/2020	905000	COBI-PW
Head of the Bay Well #5	8/18/2020	1266000	COBI-PW
Head of the Bay Well #5	9/17/2020	1162000	COBI-PW
Head of the Bay Well #5	10/16/2020	622000	COBI-PW
Head of the Bay Well #5	11/19/2020	683000	COBI-PW
Head of the Bay Well #5	12/17/2020	292000	COBI-PW
Head of the Bay Well #5	1/20/2021	430000	COBI-PW
Head of the Bay Well #5	2/23/2021	409000	COBI-PW
Head of the Bay Well #5	3/18/2021	326000	COBI-PW
Head of the Bay Well #5	5/19/2021	1307000	COBI-PW
Head of the Bay Well #5	6/17/2021	753000	COBI-PW
Head of the Bay Well #5	7/15/2021	1167000	COBI-PW
Head of the Bay Well #5	8/18/2021	1357000	COBI-PW
Head of the Bay Well #5	9/14/2021	935000	COBI-PW
Head of the Bay Well #5	10/18/2021	611000	COBI-PW
Head of the Bay Well #5	11/16/2021	19000	COBI-PW
Head of the Bay Well #5	12/20/2021	22000	COBI-PW
Head of the Bay Well #6	12/15/2001	1161300	not specified
Head of the Bay Well #6	1/15/2002	1157400	not specified
Head of the Bay Well #6	2/15/2002	751500	not specified
Head of the Bay Well #6	3/15/2002	770800	not specified
Head of the Bay Well #6	4/15/2002	903700	not specified
Head of the Bay Well #6	5/15/2002	497000	not specified
Head of the Bay Well #6	6/15/2002	400100	not specified
Head of the Bay Well #6	7/15/2002	868700	not specified
Head of the Bay Well #6	8/15/2002	1002600	not specified
Head of the Bay Well #6	9/15/2002	1331500	not specified
Head of the Bay Well #6	10/15/2002	747000	not specified
Head of the Bay Well #6	11/15/2002	842000	not specified
Head of the Bay Well #6	12/15/2002	643000	not specified
Head of the Bay Well #6	1/15/2003	1109500	not specified

Production Well	Measurement Date	Production Voulme	Technician
Head of the Bay Well #6	2/15/2003	1013600	not specified
Head of the Bay Well #6	3/15/2003	1290200	not specified
Head of the Bay Well #6	4/15/2003	966300	not specified
Head of the Bay Well #6	5/15/2003	1034000	not specified
Head of the Bay Well #6	6/15/2003	1648608	not specified
Head of the Bay Well #6	7/15/2003	2402688	not specified
Head of the Bay Well #6	8/15/2003	2307312	not specified
Head of the Bay Well #6	9/15/2003	1346880	not specified
Head of the Bay Well #6	10/15/2003	944448	not specified
Head of the Bay Well #6	11/15/2003	761088	not specified
Head of the Bay Well #6	12/15/2003	746544	not specified
Head of the Bay Well #6	1/15/2004	861840	not specified
Head of the Bay Well #6	2/15/2004	745680	not specified
Head of the Bay Well #6	3/15/2004	788256	not specified
Head of the Bay Well #6	4/15/2004	1034928	not specified
Head of the Bay Well #6	5/15/2004	1106448	not specified
Head of the Bay Well #6	6/15/2004	1125312	not specified
Head of the Bay Well #6	7/15/2004	1515936	not specified
Head of the Bay Well #6	8/15/2004	73968	not specified
Head of the Bay Well #6	9/15/2004	3648	not specified
Head of the Bay Well #6	10/15/2004	53232	not specified
Head of the Bay Well #6	11/15/2004	46000	not specified
Head of the Bay Well #6	12/15/2004	54000	not specified
Head of the Bay Well #6	1/15/2005	63000	not specified
Head of the Bay Well #6	2/15/2005	35000	not specified
Head of the Bay Well #6	3/15/2005	87000	not specified
Head of the Bay Well #6	4/15/2005	127000	not specified
Head of the Bay Well #6	5/15/2005	42000	not specified
Head of the Bay Well #6	6/15/2005	57000	not specified
Head of the Bay Well #6	7/15/2005	40000	not specified
Head of the Bay Well #6	8/15/2005	17000	not specified
Head of the Bay Well #6	9/15/2005	7000	not specified
Head of the Bay Well #6	10/15/2005	144000	not specified
Head of the Bay Well #6	11/15/2005	62000	not specified
Head of the Bay Well #6	12/15/2005	70000	not specified
Head of the Bay Well #6	1/15/2006	71000	not specified
Head of the Bay Well #6	2/15/2006	14000	not specified
Head of the Bay Well #6	3/15/2006	0	not specified
Head of the Bay Well #6	4/15/2006	0	COBI-PW
Head of the Bay Well #6	5/15/2006	0	COBI-PW
Head of the Bay Well #6	6/15/2006	9000	COBI-PW
Head of the Bay Well #6	7/15/2006	108000	COBI-PW
Head of the Bay Well #6	8/15/2006	9000	COBI-PW
Head of the Bay Well #6	9/15/2006	24000	COBI-PW
Head of the Bay Well #6	10/15/2006	71000	COBI-PW
Head of the Bay Well #6	11/15/2006	70000	COBI-PW
Head of the Bay Well #6	12/15/2006	53000	COBI-PW
Head of the Bay Well #6	1/15/2007	110000	COBI-PW
Head of the Bay Well #6	2/15/2007	32000	COBI-PW
Head of the Bay Well #6	3/15/2007	140000	COBI-PW
Head of the Bay Well #6	4/15/2007	199000	COBI-PW

Production Well	Measurement Date	Production Voulme	Technician
Head of the Bay Well #6	5/15/2007	159000	COBI-PW
Head of the Bay Well #6	6/15/2007	50000	COBI-PW
Head of the Bay Well #6	7/15/2007	0	COBI-PW
Head of the Bay Well #6	8/15/2007	102000	COBI-PW
Head of the Bay Well #6	9/15/2007	110000	COBI-PW
Head of the Bay Well #6	10/15/2007	98000	COBI-PW
Head of the Bay Well #6	11/15/2007	117000	COBI-PW
Head of the Bay Well #6	12/15/2007	82000	COBI-PW
Head of the Bay Well #6	1/15/2008	9000	COBI-PW
Head of the Bay Well #6	2/15/2008	112000	COBI-PW
Head of the Bay Well #6	3/15/2008	69000	COBI-PW
Head of the Bay Well #6	4/15/2008	101000	COBI-PW
Head of the Bay Well #6	5/15/2008	103000	COBI-PW
Head of the Bay Well #6	6/15/2008	67000	COBI-PW
Head of the Bay Well #6	7/15/2008	604000	COBI-PW
Head of the Bay Well #6	8/15/2008	492000	COBI-PW
Head of the Bay Well #6	9/15/2008	751000	COBI-PW
Head of the Bay Well #6	10/15/2008	556000	COBI-PW
Head of the Bay Well #6	1/15/2009	540828	COBI-PW
Head of the Bay Well #6	2/11/2009	397404	COBI-PW
Head of the Bay Well #6	3/13/2009	790824	COBI-PW
Head of the Bay Well #6	4/15/2009	1008948	COBI-PW
Head of the Bay Well #6	5/14/2009	0	COBI-PW
Head of the Bay Well #6	6/17/2009	2236020	COBI-PW
Head of the Bay Well #6	7/15/2009	1315716	COBI-PW
Head of the Bay Well #6	8/13/2009	419316	COBI-PW
Head of the Bay Well #6	9/15/2009	8964	COBI-PW
Head of the Bay Well #6	10/14/2009	33864	COBI-PW
Head of the Bay Well #6	11/17/2009	65736	COBI-PW
Head of the Bay Well #6	12/16/2009	42828	COBI-PW
Head of the Bay Well #6	1/15/2010	27496	COBI-PW
Head of the Bay Well #6	2/18/2010	48118	COBI-PW
Head of the Bay Well #6	3/16/2010	25532	COBI-PW
Head of the Bay Well #6	4/14/2010	36334	COBI-PW
Head of the Bay Well #6	5/13/2010	16694	COBI-PW
Head of the Bay Well #6	6/23/2010	168904	COBI-PW
Head of the Bay Well #6	7/13/2010	36334	COBI-PW
Head of the Bay Well #6	8/20/2010	1964	COBI-PW
Head of the Bay Well #6	9/15/2010	20622	COBI-PW
Head of the Bay Well #6	10/15/2010	65794	COBI-PW
Head of the Bay Well #6	11/12/2010	92308	COBI-PW
Head of the Bay Well #6	12/15/2010	27496	COBI-PW
Head of the Bay Well #6	1/18/2011	40836	COBI-PW
Head of the Bay Well #6	2/22/2011	51792	COBI-PW
Head of the Bay Well #6	3/15/2011	48804	COBI-PW
Head of the Bay Well #6	4/19/2011	47808	COBI-PW
Head of the Bay Well #6	5/17/2011	46812	COBI-PW
Head of the Bay Well #6	6/15/2011	32868	COBI-PW
Head of the Bay Well #6	7/20/2011	11952	COBI-PW
Head of the Bay Well #6	8/18/2011	996	COBI-PW
Head of the Bay Well #6	9/14/2011	0	COBI-PW

Production Well	Measurement Date	Production Voulme	Technician
Head of the Bay Well #6	10/20/2011	281868	COBI-PW
Head of the Bay Well #6	11/16/2011	149400	COBI-PW
Head of the Bay Well #6	12/16/2011	109560	COBI-PW
Head of the Bay Well #6	1/12/2012	996	COBI-PW
Head of the Bay Well #6	2/15/2012	3984	COBI-PW
Head of the Bay Well #6	3/19/2012	0	COBI-PW
Head of the Bay Well #6	4/17/2012	0	COBI-PW
Head of the Bay Well #6	5/10/2012	17928	COBI-PW
Head of the Bay Well #6	6/19/2012	1992	COBI-PW
Head of the Bay Well #6	7/18/2012	0	COBI-PW
Head of the Bay Well #6	8/20/2012	0	COBI-PW
Head of the Bay Well #6	9/18/2012	0	COBI-PW
Head of the Bay Well #6	10/16/2012	21912	COBI-PW
Head of the Bay Well #6	11/14/2012	0	COBI-PW
Head of the Bay Well #6	12/20/2012	0	COBI-PW
Head of the Bay Well #6	1/17/2013	0	COBI-PW
Head of the Bay Well #6	2/12/2013	8964	COBI-PW
Head of the Bay Well #6	3/19/2013	0	COBI-PW
Head of the Bay Well #6	4/15/2013	996	COBI-PW
Head of the Bay Well #6	5/15/2013	24900	COBI-PW
Head of the Bay Well #6	6/19/2013	0	COBI-PW
Head of the Bay Well #6	7/19/2013	0	COBI-PW
Head of the Bay Well #6	8/16/2013	0	COBI-PW
Head of the Bay Well #6	9/19/2013	8964	COBI-PW
Head of the Bay Well #6	10/25/2013	25896	COBI-PW
Head of the Bay Well #6	11/21/2013	18924	COBI-PW
Head of the Bay Well #6	12/12/2013	41832	COBI-PW
Head of the Bay Well #6	1/21/2014	191573	COBI-PW
Head of the Bay Well #6	2/21/2014	166498	COBI-PW
Head of the Bay Well #6	3/20/2014	111333	COBI-PW
Head of the Bay Well #6	4/22/2014	46138	COBI-PW
Head of the Bay Well #6	5/19/2014	75225	COBI-PW
Head of the Bay Well #6	6/17/2014	9027	COBI-PW
Head of the Bay Well #6	7/16/2014	2006	COBI-PW
Head of the Bay Well #6	8/26/2014	6018	COBI-PW
Head of the Bay Well #6	9/18/2014	0	COBI-PW
Head of the Bay Well #6	10/15/2014	5015	COBI-PW
Head of the Bay Well #6	11/19/2014	12036	COBI-PW
Head of the Bay Well #6	12/22/2014	17051	COBI-PW
Head of the Bay Well #6	1/15/2015	12036	COBI-PW
Head of the Bay Well #6	2/17/2015	12036	COBI-PW
Head of the Bay Well #6	3/16/2015	20060	COBI-PW
Head of the Bay Well #6	4/21/2015	49147	COBI-PW
Head of the Bay Well #6	5/21/2015	6018	COBI-PW
Head of the Bay Well #6	6/23/2015	2006	COBI-PW
Head of the Bay Well #6	7/16/2015	0	COBI-PW
Head of the Bay Well #6	8/17/2015	0	COBI-PW
Head of the Bay Well #6	9/21/2015	13039	COBI-PW
Head of the Bay Well #6	10/14/2015	0	COBI-PW
Head of the Bay Well #6	11/20/2015	0	COBI-PW
Head of the Bay Well #6	12/21/2015	0	COBI-PW

Production Well	Measurement Date	Production Voulme	Technician
Head of the Bay Well #6	1/26/2016	0	COBI-PW
Head of the Bay Well #6	2/24/2016	0	COBI-PW
Head of the Bay Well #6	3/21/2016	2006	COBI-PW
Head of the Bay Well #6	4/25/2016	42126	COBI-PW
Head of the Bay Well #6	5/18/2016	71213	COBI-PW
Head of the Bay Well #6	6/22/2016	21063	COBI-PW
Head of the Bay Well #6	7/20/2016	18054	COBI-PW
Head of the Bay Well #6	8/15/2016	0	COBI-PW
Head of the Bay Well #6	10/3/2016	29087	COBI-PW
Head of the Bay Well #6	10/26/2016	64192	COBI-PW
Head of the Bay Well #6	11/30/2016	118354	COBI-PW
Head of the Bay Well #6	12/29/2016	85255	COBI-PW
Head of the Bay Well #6	1/24/2017	104312	COBI-PW
Head of the Bay Well #6	2/23/2017	1003	COBI-PW
Head of the Bay Well #6	3/23/2017	0	COBI-PW
Head of the Bay Well #6	4/19/2017	1003	COBI-PW
Head of the Bay Well #6	5/22/2017	0	COBI-PW
Head of the Bay Well #6	6/23/2017	0	COBI-PW
Head of the Bay Well #6	7/18/2017	0	COBI-PW
Head of the Bay Well #6	8/15/2017	660977	COBI-PW
Head of the Bay Well #6	9/20/2017	0	COBI-PW
Head of the Bay Well #6	10/18/2017	0	COBI-PW
Head of the Bay Well #6	11/22/2017	0	COBI-PW
Head of the Bay Well #6	12/14/2017	0	COBI-PW
Head of the Bay Well #6	1/22/2018	0	COBI-PW
Head of the Bay Well #6	2/13/2018	0	COBI-PW
Head of the Bay Well #6	3/19/2018	0	COBI-PW
Head of the Bay Well #6	4/18/2018	2006	COBI-PW
Head of the Bay Well #6	5/17/2018	9027	COBI-PW
Head of the Bay Well #6	6/14/2018	1003	COBI-PW
Head of the Bay Well #6	7/19/2018	11033	COBI-PW
Head of the Bay Well #6	8/16/2018	0	COBI-PW
Head of the Bay Well #6	9/15/2018	0	COBI-PW
Head of the Bay Well #6	10/17/2018	9027	COBI-PW
Head of the Bay Well #6	11/14/2018	20060	COBI-PW
Head of the Bay Well #6	12/17/2018	0	COBI-PW
Head of the Bay Well #6	1/16/2019	0	COBI-PW
Head of the Bay Well #6	2/21/2019	79000	COBI-PW
Head of the Bay Well #6	3/18/2019	118000	COBI-PW
Head of the Bay Well #6	4/16/2019	26000	COBI-PW
Head of the Bay Well #6	5/16/2019	37000	COBI-PW
Head of the Bay Well #6	6/18/2019	5000	COBI-PW
Head of the Bay Well #6	7/17/2019	1000	COBI-PW
Head of the Bay Well #6	8/16/2019	0	COBI-PW
Head of the Bay Well #6	9/20/2019	10000	COBI-PW
Head of the Bay Well #6	10/16/2019	1000	COBI-PW
Head of the Bay Well #6	11/18/2019	27000	COBI-PW
Head of the Bay Well #6	12/16/2019	23000	COBI-PW
Head of the Bay Well #6	1/16/2020	100000	COBI-PW
Head of the Bay Well #6	2/19/2020	79000	COBI-PW
Head of the Bay Well #6	3/17/2020	20000	COBI-PW

Production Well	Measurement Date	Production Voulme	Technician
Head of the Bay Well #6	4/20/2020	133000	COBI-PW
Head of the Bay Well #6	5/19/2020	106000	COBI-PW
Head of the Bay Well #6	6/17/2020	68000	COBI-PW
Head of the Bay Well #6	7/16/2020	4000	COBI-PW
Head of the Bay Well #6	8/18/2020	0	COBI-PW
Head of the Bay Well #6	9/17/2020	0	COBI-PW
Head of the Bay Well #6	10/16/2020	2000	COBI-PW
Head of the Bay Well #6	11/19/2020	0	COBI-PW
Head of the Bay Well #6	12/17/2020	6000	COBI-PW
Head of the Bay Well #6	1/20/2021	67000	COBI-PW
Head of the Bay Well #6	2/23/2021	75000	COBI-PW
Head of the Bay Well #6	3/18/2021	53000	COBI-PW
Head of the Bay Well #6	5/19/2021	34000	COBI-PW
Head of the Bay Well #6	6/17/2021	1000	COBI-PW
Head of the Bay Well #6	7/15/2021	0	COBI-PW
Head of the Bay Well #6	8/18/2021	0	COBI-PW
Head of the Bay Well #6	9/14/2021	0	COBI-PW
Head of the Bay Well #6	10/18/2021	9000	COBI-PW
Head of the Bay Well #6	11/16/2021	29000	COBI-PW
Head of the Bay Well #6	12/20/2021	49000	COBI-PW
Hidden Cove Utilities Shop	1/15/2001	4710	not specified
Hidden Cove Utilities Shop	2/15/2001	4312	not specified
Hidden Cove Utilities Shop	3/15/2001	6000	not specified
Hidden Cove Utilities Shop	4/15/2001	4657	not specified
Hidden Cove Utilities Shop	5/15/2001	16065	not specified
Hidden Cove Utilities Shop	6/15/2001	5610	not specified
Hidden Cove Utilities Shop	7/15/2001	5700	not specified
Hidden Cove Utilities Shop	8/15/2001	7147	not specified
Hidden Cove Utilities Shop	9/15/2001	8019	not specified
Hidden Cove Utilities Shop	10/15/2001	5595	not specified
Hidden Cove Utilities Shop	11/15/2001	5101	not specified
Hidden Cove Utilities Shop	12/15/2001	4780	not specified
Hidden Cove Utilities Shop	1/15/2002	6089	not specified
Hidden Cove Utilities Shop	2/15/2002	5139	not specified
Hidden Cove Utilities Shop	3/15/2002	4473	not specified
Hidden Cove Utilities Shop	4/15/2002	9260	not specified
Hidden Cove Utilities Shop	5/15/2002	4114	not specified
Hidden Cove Utilities Shop	6/15/2002	5490	not specified
Hidden Cove Utilities Shop	7/15/2002	6395	not specified
Hidden Cove Utilities Shop	8/15/2002	5423	not specified
Hidden Cove Utilities Shop	9/15/2002	7555	not specified
Hidden Cove Utilities Shop	10/15/2002	5146	not specified
Hidden Cove Utilities Shop	11/15/2002	6941	not specified
Hidden Cove Utilities Shop	12/15/2002	5849	not specified
Hidden Cove Utilities Shop	1/15/2003	5139	not specified
Hidden Cove Utilities Shop	2/15/2003	4832	not specified
Hidden Cove Utilities Shop	3/15/2003	6485	not specified
Hidden Cove Utilities Shop	4/15/2003	6380	not specified
Hidden Cove Utilities Shop	5/15/2003	7749	not specified
Hidden Cove Utilities Shop	6/15/2003	6373	not specified
Hidden Cove Utilities Shop	7/15/2003	7376	not specified

Production Well	Measurement Date	Production Voulme	Technician
Hidden Cove Utilities Shop	8/15/2003	7376	not specified
Hidden Cove Utilities Shop	9/15/2003	7376	not specified
Hidden Cove Utilities Shop	10/15/2003	7376	not specified
Hidden Cove Utilities Shop	11/15/2003	7376	not specified
Hidden Cove Utilities Shop	12/15/2003	7376	not specified
Hidden Cove Utilities Shop	1/15/2004	7376	not specified
Hidden Cove Utilities Shop	2/15/2004	7376	not specified
Hidden Cove Utilities Shop	3/15/2004	7376	not specified
Hidden Cove Utilities Shop	4/15/2004	7376	not specified
Hidden Cove Utilities Shop	5/15/2004	7376	not specified
Hidden Cove Utilities Shop	6/15/2004	7376	not specified
Hidden Cove Utilities Shop	7/15/2004	7376	not specified
Hidden Cove Utilities Shop	8/15/2004	7376	not specified
Hidden Cove Utilities Shop	9/15/2004	7376	not specified
Hidden Cove Utilities Shop	10/15/2004	7376	not specified
Hidden Cove Utilities Shop	11/15/2004	30159	not specified
Hidden Cove Utilities Shop	12/17/2004	34000	COBI-PW
Hidden Cove Utilities Shop	1/13/2005	30000	COBI-PW
Hidden Cove Utilities Shop	2/15/2005	24000	COBI-PW
Hidden Cove Utilities Shop	3/17/2005	13000	COBI-PW
Hidden Cove Utilities Shop	4/15/2005	6000	COBI-PW
Hidden Cove Utilities Shop	5/17/2005	8000	COBI-PW
Hidden Cove Utilities Shop	6/16/2005	7000	COBI-PW
Hidden Cove Utilities Shop	7/15/2005	5000	COBI-PW
Hidden Cove Utilities Shop	8/16/2005	6000	COBI-PW
Hidden Cove Utilities Shop	9/13/2005	5000	COBI-PW
Hidden Cove Utilities Shop	10/18/2005	7000	COBI-PW
Hidden Cove Utilities Shop	11/16/2005	6000	COBI-PW
Hidden Cove Utilities Shop	12/15/2005	7000	COBI-PW
Hidden Cove Utilities Shop	1/12/2006	4000	COBI-PW
Hidden Cove Utilities Shop	2/15/2006	6000	COBI-PW
Hidden Cove Utilities Shop	3/16/2006	6000	COBI-PW
Hidden Cove Utilities Shop	4/17/2006	7000	COBI-PW
Hidden Cove Utilities Shop	5/16/2006	7000	COBI-PW
Hidden Cove Utilities Shop	6/15/2006	7000	COBI-PW
Hidden Cove Utilities Shop	7/13/2006	7000	COBI-PW
Hidden Cove Utilities Shop	8/17/2006	8000	COBI-PW
Hidden Cove Utilities Shop	9/14/2006	6000	COBI-PW
Hidden Cove Utilities Shop	10/12/2006	6000	COBI-PW
Hidden Cove Utilities Shop	11/14/2006	6000	COBI-PW
Hidden Cove Utilities Shop	12/14/2006	5000	COBI-PW
Hidden Cove Utilities Shop	1/18/2007	6000	COBI-PW
Hidden Cove Utilities Shop	2/14/2007	7000	COBI-PW
Hidden Cove Utilities Shop	3/12/2007	7000	COBI-PW
Hidden Cove Utilities Shop	4/17/2007	8000	COBI-PW
Hidden Cove Utilities Shop	5/16/2007	6000	COBI-PW
Hidden Cove Utilities Shop	6/14/2007	6000	COBI-PW
Hidden Cove Utilities Shop	7/17/2007	0	COBI-PW
Hidden Cove Utilities Shop	8/14/2007	13000	COBI-PW
Hidden Cove Utilities Shop	9/18/2007	7000	COBI-PW
Hidden Cove Utilities Shop	10/17/2007	6000	COBI-PW

Production Well	Measurement Date	Production Voulme	Technician
Hidden Cove Utilities Shop	11/19/2007	9000	COBI-PW
Hidden Cove Utilities Shop	12/18/2007	7337.88	COBI-PW
Hidden Cove Utilities Shop	1/16/2008	8564.6	COBI-PW
Hidden Cove Utilities Shop	2/14/2008	6171	COBI-PW
Hidden Cove Utilities Shop	3/12/2008	7390.24	COBI-PW
Hidden Cove Utilities Shop	4/15/2008	9148.04	COBI-PW
Hidden Cove Utilities Shop	5/19/2008	9454.72	COBI-PW
Hidden Cove Utilities Shop	6/17/2008	8961.04	COBI-PW
Hidden Cove Utilities Shop	7/18/2008	9626.76	COBI-PW
Hidden Cove Utilities Shop	8/14/2008	8542.16	COBI-PW
Hidden Cove Utilities Shop	9/16/2008	11130.24	COBI-PW
Hidden Cove Utilities Shop	1/15/2009	11249.92	COBI-PW
Hidden Cove Utilities Shop	2/11/2009	8385.08	COBI-PW
Hidden Cove Utilities Shop	3/13/2009	9327.56	COBI-PW
Hidden Cove Utilities Shop	4/15/2009	10838.52	COBI-PW
Hidden Cove Utilities Shop	5/14/2009	0	COBI-PW
Hidden Cove Utilities Shop	6/17/2009	21931.36	COBI-PW
Hidden Cove Utilities Shop	7/15/2009	9918.48	COBI-PW
Hidden Cove Utilities Shop	8/13/2009	11803.44	COBI-PW
Hidden Cove Utilities Shop	9/15/2009	6440.28	COBI-PW
Hidden Cove Utilities Shop	10/14/2009	3500.64	COBI-PW
Hidden Cove Utilities Shop	11/17/2009	3321.12	COBI-PW
Hidden Cove Utilities Shop	12/16/2009	4091.56	COBI-PW
Hidden Cove Utilities Shop	1/15/2010	4345.88	COBI-PW
Hidden Cove Utilities Shop	2/18/2010	6425.32	COBI-PW
Hidden Cove Utilities Shop	3/16/2010	3478.2	COBI-PW
Hidden Cove Utilities Shop	4/14/2010	4794.68	COBI-PW
Hidden Cove Utilities Shop	5/13/2010	4809.64	COBI-PW
Hidden Cove Utilities Shop	6/23/2010	6971.36	COBI-PW
Hidden Cove Utilities Shop	7/13/2010	2707.76	COBI-PW
Hidden Cove Utilities Shop	8/20/2010	4869.48	COBI-PW
Hidden Cove Utilities Shop	9/15/2010	4143.92	COBI-PW
Hidden Cove Utilities Shop	10/15/2010	3889.6	COBI-PW
Hidden Cove Utilities Shop	11/12/2010	4315.96	COBI-PW
Hidden Cove Utilities Shop	12/15/2010	5280.88	COBI-PW
Hidden Cove Utilities Shop	1/18/2011	4981.68	COBI-PW
Hidden Cove Utilities Shop	2/22/2011	4675	COBI-PW
Hidden Cove Utilities Shop	3/15/2011	5273.4	COBI-PW
Hidden Cove Utilities Shop	4/19/2011	2565.64	COBI-PW
Hidden Cove Utilities Shop	5/17/2011	4233.68	COBI-PW
Hidden Cove Utilities Shop	6/15/2011	6006.44	COBI-PW
Hidden Cove Utilities Shop	7/20/2011	9694.08	COBI-PW
Hidden Cove Utilities Shop	8/18/2011	4166.36	COBI-PW
Hidden Cove Utilities Shop	9/14/2011	2924.68	COBI-PW
Hidden Cove Utilities Shop	10/20/2011	5542.68	COBI-PW
Hidden Cove Utilities Shop	11/16/2011	3253.8	COBI-PW
Hidden Cove Utilities Shop	12/16/2011	3193.96	COBI-PW
Hidden Cove Utilities Shop	1/12/2012	2625.48	COBI-PW
Hidden Cove Utilities Shop	2/15/2012	3777.4	COBI-PW
Hidden Cove Utilities Shop	3/19/2012	5198.6	COBI-PW
Hidden Cove Utilities Shop	4/17/2012	8856.32	COBI-PW

Production Well	Measurement Date	Production Voulme	Technician
Hidden Cove Utilities Shop	5/10/2012	16433.56	COBI-PW
Hidden Cove Utilities Shop	6/19/2012	19612.56	COBI-PW
Hidden Cove Utilities Shop	7/18/2012	1473.56	COBI-PW
Hidden Cove Utilities Shop	8/20/2012	3276.24	COBI-PW
Hidden Cove Utilities Shop	9/18/2012	3141.6	COBI-PW
Hidden Cove Utilities Shop	10/16/2012	3141.6	COBI-PW
Hidden Cove Utilities Shop	11/14/2012	4248.64	COBI-PW
Hidden Cove Utilities Shop	12/20/2012	3380.96	COBI-PW
Hidden Cove Utilities Shop	1/17/2013	2543.2	COBI-PW
Hidden Cove Utilities Shop	2/12/2013	2715.24	COBI-PW
Hidden Cove Utilities Shop	3/19/2013	3134.12	COBI-PW
Hidden Cove Utilities Shop	4/15/2013	4921.84	COBI-PW
Hidden Cove Utilities Shop	5/15/2013	3014.44	COBI-PW
Hidden Cove Utilities Shop	6/19/2013	3336.08	COBI-PW
Hidden Cove Utilities Shop	7/19/2013	4832.08	COBI-PW
Hidden Cove Utilities Shop	8/16/2013	4734.84	COBI-PW
Hidden Cove Utilities Shop	9/19/2013	8923.64	COBI-PW
Hidden Cove Utilities Shop	10/25/2013	4570.28	COBI-PW
Hidden Cove Utilities Shop	11/21/2013	2849.88	COBI-PW
Hidden Cove Utilities Shop	12/12/2013	3029.4	COBI-PW
Hidden Cove Utilities Shop	1/21/2014	3784.88	COBI-PW
Hidden Cove Utilities Shop	2/21/2014	5677.32	COBI-PW
Hidden Cove Utilities Shop	3/20/2014	5400.56	COBI-PW
Hidden Cove Utilities Shop	4/22/2014	4959.24	COBI-PW
Hidden Cove Utilities Shop	5/19/2014	4502.96	COBI-PW
Hidden Cove Utilities Shop	6/17/2014	4906.88	COBI-PW
Hidden Cove Utilities Shop	7/16/2014	6769.4	COBI-PW
Hidden Cove Utilities Shop	8/26/2014	5924.16	COBI-PW
Hidden Cove Utilities Shop	9/18/2014	2610.52	COBI-PW
Hidden Cove Utilities Shop	10/15/2014	4667.52	COBI-PW
Hidden Cove Utilities Shop	11/19/2014	6851.68	COBI-PW
Hidden Cove Utilities Shop	12/22/2014	5348.2	COBI-PW
Hidden Cove Utilities Shop	1/15/2015	8871.28	COBI-PW
Hidden Cove Utilities Shop	2/17/2015	8684.28	COBI-PW
Hidden Cove Utilities Shop	3/16/2015	7509.92	COBI-PW
Hidden Cove Utilities Shop	4/21/2015	5041.52	COBI-PW
Hidden Cove Utilities Shop	5/21/2015	7061.12	COBI-PW
Hidden Cove Utilities Shop	6/23/2015	10464.52	COBI-PW
Hidden Cove Utilities Shop	7/16/2015	4420.68	COBI-PW
Hidden Cove Utilities Shop	8/17/2015	9911	COBI-PW
Hidden Cove Utilities Shop	9/21/2015	11766.04	COBI-PW
Hidden Cove Utilities Shop	10/14/2015	8070.92	COBI-PW
Hidden Cove Utilities Shop	11/20/2015	8699.24	COBI-PW
Hidden Cove Utilities Shop	12/21/2015	12416.8	COBI-PW
Hidden Cove Utilities Shop	1/26/2016	2790.04	COBI-PW
Hidden Cove Utilities Shop	2/24/2016	2790.04	COBI-PW
Hidden Cove Utilities Shop	3/21/2016	6732	COBI-PW
Hidden Cove Utilities Shop	4/25/2016	8504.76	COBI-PW
Hidden Cove Utilities Shop	5/18/2016	3530.56	COBI-PW
Hidden Cove Utilities Shop	6/22/2016	5049	COBI-PW
Hidden Cove Utilities Shop	7/20/2016	2124.32	COBI-PW

Production Well	Measurement Date	Production Voulme	Technician
Hidden Cove Utilities Shop	8/15/2016	5654.88	COBI-PW
Hidden Cove Utilities Shop	10/3/2016	8878.76	COBI-PW
Hidden Cove Utilities Shop	10/26/2016	8639.4	COBI-PW
Hidden Cove Utilities Shop	11/30/2016	13793.12	COBI-PW
Hidden Cove Utilities Shop	12/29/2016	10644.04	COBI-PW
Hidden Cove Utilities Shop	1/24/2017	7352.84	COBI-PW
Hidden Cove Utilities Shop	2/23/2017	9649.2	COBI-PW
Hidden Cove Utilities Shop	3/23/2017	8938.6	COBI-PW
Hidden Cove Utilities Shop	4/19/2017	8422.48	COBI-PW
Hidden Cove Utilities Shop	5/22/2017	10307.44	COBI-PW
Hidden Cove Utilities Shop	6/23/2017	10494.44	COBI-PW
Hidden Cove Utilities Shop	7/18/2017	4024.24	COBI-PW
Hidden Cove Utilities Shop	8/15/2017	15872.56	COBI-PW
Hidden Cove Utilities Shop	9/20/2017	14645.84	COBI-PW
Hidden Cove Utilities Shop	10/18/2017	10150.36	COBI-PW
Hidden Cove Utilities Shop	11/22/2017	12558.92	COBI-PW
Hidden Cove Utilities Shop	12/14/2017	7689.44	COBI-PW
Hidden Cove Utilities Shop	1/22/2018	13710.84	COBI-PW
Hidden Cove Utilities Shop	2/13/2018	8444.92	COBI-PW
Hidden Cove Utilities Shop	3/19/2018	12327.04	COBI-PW
Hidden Cove Utilities Shop	4/18/2018	11070.4	COBI-PW
Hidden Cove Utilities Shop	5/17/2018	4031.72	COBI-PW
Hidden Cove Utilities Shop	6/14/2018	6739.48	COBI-PW
Hidden Cove Utilities Shop	7/19/2018	14586	COBI-PW
Hidden Cove Utilities Shop	8/16/2018	4839.56	COBI-PW
Hidden Cove Utilities Shop	9/15/2018	0	COBI-PW
Hidden Cove Utilities Shop	10/17/2018	6163.52	COBI-PW
Hidden Cove Utilities Shop	11/14/2018	3313.64	COBI-PW
Hidden Cove Utilities Shop	12/17/2018	5879.28	COBI-PW
Hidden Cove Utilities Shop	1/16/2019	1810.16	COBI-PW
Hidden Cove Utilities Shop	2/21/2019	17637.84	COBI-PW
Hidden Cove Utilities Shop	3/18/2019	32687.6	COBI-PW
Hidden Cove Utilities Shop	4/16/2019	7031.2	COBI-PW
Hidden Cove Utilities Shop	5/16/2019	4749.8	COBI-PW
Hidden Cove Utilities Shop	6/18/2019	40870.72	COBI-PW
Hidden Cove Utilities Shop	7/17/2019	22372.68	COBI-PW
Hidden Cove Utilities Shop	8/16/2019	5041.52	COBI-PW
Hidden Cove Utilities Shop	9/20/2019	7547.32	COBI-PW
Hidden Cove Utilities Shop	10/16/2019	28483.84	COBI-PW
Hidden Cove Utilities Shop	11/18/2019	4308.48	COBI-PW
Hidden Cove Utilities Shop	12/16/2019	5550.16	COBI-PW
Hidden Cove Utilities Shop	1/16/2020	4420.68	COBI-PW
Hidden Cove Utilities Shop	2/19/2020	5587.56	COBI-PW
Hidden Cove Utilities Shop	3/17/2020	4099.04	COBI-PW
Hidden Cove Utilities Shop	4/20/2020	4607.68	COBI-PW
Hidden Cove Utilities Shop	5/19/2020	7397.72	COBI-PW
Hidden Cove Utilities Shop	6/17/2020	3740	COBI-PW
Hidden Cove Utilities Shop	7/16/2020	3740	COBI-PW
Hidden Cove Utilities Shop	8/18/2020	4488	COBI-PW
Hidden Cove Utilities Shop	9/17/2020	3740	COBI-PW
Hidden Cove Utilities Shop	10/16/2020	5093.88	COBI-PW

Production Well	Measurement Date	Production Voulme	Technician
Hidden Cove Utilities Shop	11/19/2020	5423	COBI-PW
Hidden Cove Utilities Shop	12/17/2020	4540.36	COBI-PW
Hidden Cove Utilities Shop	1/20/2021	2894.76	COBI-PW
Hidden Cove Utilities Shop	2/23/2021	6021.4	COBI-PW
Hidden Cove Utilities Shop	3/18/2021	2909.72	COBI-PW
Hidden Cove Utilities Shop	5/19/2021	9177.96	COBI-PW
Hidden Cove Utilities Shop	6/17/2021	3814.8	COBI-PW
Hidden Cove Utilities Shop	7/15/2021	4450.6	COBI-PW
Hidden Cove Utilities Shop	8/18/2021	5752.12	COBI-PW
Hidden Cove Utilities Shop	9/14/2021	25446.96	COBI-PW
Hidden Cove Utilities Shop	10/18/2021	5400.56	COBI-PW
Hidden Cove Utilities Shop	11/16/2021	4271.08	COBI-PW
Hidden Cove Utilities Shop	12/20/2021	5393.08	COBI-PW
High School Well #2/Commodore	12/31/1996	1025599	not specified
High School Well #2/Commodore	12/31/1997	1246534	not specified
High School Well #2/Commodore	12/31/1998	1163171	not specified
High School Well #2/Commodore	12/31/1999	902110	not specified
High School Well #2/Commodore	12/31/2000	792990	not specified
High School Well #2/Commodore	1/15/2001	1962490	not specified
High School Well #2/Commodore	2/15/2001	67370	not specified
High School Well #2/Commodore	3/15/2001	77190	not specified
High School Well #2/Commodore	4/15/2001	101170	not specified
High School Well #2/Commodore	5/15/2001	101150	not specified
High School Well #2/Commodore	6/15/2001	912700	not specified
High School Well #2/Commodore	7/15/2001	1194600	not specified
High School Well #2/Commodore	8/15/2001	1057900	not specified
High School Well #2/Commodore	9/15/2001	342000	not specified
High School Well #2/Commodore	10/15/2001	791600	not specified
High School Well #2/Commodore	11/15/2001	945600	not specified
High School Well #2/Commodore	12/15/2001	802400	not specified
High School Well #2/Commodore	1/15/2002	995900	not specified
High School Well #2/Commodore	2/15/2002	721300	not specified
High School Well #2/Commodore	3/15/2002	1057100	not specified
High School Well #2/Commodore	4/15/2002	470200	not specified
High School Well #2/Commodore	5/15/2002	333400	not specified
High School Well #2/Commodore	6/15/2002	513500	not specified
High School Well #2/Commodore	7/15/2002	1342700	not specified
High School Well #2/Commodore	8/15/2002	1828700	not specified
High School Well #2/Commodore	9/15/2002	1433000	not specified
High School Well #2/Commodore	10/15/2002	887800	not specified
High School Well #2/Commodore	11/15/2002	148900	not specified
High School Well #2/Commodore	12/15/2002	95300	not specified
High School Well #2/Commodore	1/15/2003	196100	not specified
High School Well #2/Commodore	2/15/2003	146700	not specified
High School Well #2/Commodore	3/15/2003	641600	not specified
High School Well #2/Commodore	4/15/2003	902800	not specified
High School Well #2/Commodore	5/15/2003	842600	not specified
High School Well #2/Commodore	6/15/2003	929900	not specified
High School Well #2/Commodore	7/15/2003	2057000	not specified
High School Well #2/Commodore	8/15/2003	1947000	not specified
High School Well #2/Commodore	9/15/2003	1354000	not specified

Production Well	Measurement Date	Production Voulme	Technician
High School Well #2/Commodore	10/15/2003	298000	not specified
High School Well #2/Commodore	11/15/2003	29000	not specified
High School Well #2/Commodore	12/15/2003	103000	not specified
High School Well #2/Commodore	1/15/2004	89000	not specified
High School Well #2/Commodore	2/15/2004	317000	not specified
High School Well #2/Commodore	3/15/2004	96000	not specified
High School Well #2/Commodore	4/15/2004	260000	not specified
High School Well #2/Commodore	5/15/2004	824000	not specified
High School Well #2/Commodore	6/15/2004	722000	not specified
High School Well #2/Commodore	7/15/2004	1582000	not specified
High School Well #2/Commodore	8/15/2004	1515000	not specified
High School Well #2/Commodore	9/15/2004	1039000	not specified
High School Well #2/Commodore	10/15/2004	896000	not specified
High School Well #2/Commodore	11/15/2004	1156000	not specified
High School Well #2/Commodore	12/17/2004	853000	COBI-PW
High School Well #2/Commodore	1/13/2005	131000	COBI-PW
High School Well #2/Commodore	2/15/2005	777000	COBI-PW
High School Well #2/Commodore	3/17/2005	1217000	COBI-PW
High School Well #2/Commodore	4/15/2005	827000	COBI-PW
High School Well #2/Commodore	5/17/2005	644000	COBI-PW
High School Well #2/Commodore	6/16/2005	214000	COBI-PW
High School Well #2/Commodore	7/15/2005	97000	COBI-PW
High School Well #2/Commodore	8/16/2005	452000	COBI-PW
High School Well #2/Commodore	9/13/2005	540000	COBI-PW
High School Well #2/Commodore	10/18/2005	533000	COBI-PW
High School Well #2/Commodore	11/16/2005	42000	COBI-PW
High School Well #2/Commodore	12/15/2005	30000	COBI-PW
High School Well #2/Commodore	1/12/2006	52000	COBI-PW
High School Well #2/Commodore	2/15/2006	65000	COBI-PW
High School Well #2/Commodore	3/16/2006	107000	COBI-PW
High School Well #2/Commodore	4/17/2006	52000	COBI-PW
High School Well #2/Commodore	5/16/2006	119000	COBI-PW
High School Well #2/Commodore	6/15/2006	426000	COBI-PW
High School Well #2/Commodore	7/13/2006	217000	COBI-PW
High School Well #2/Commodore	8/17/2006	36000	COBI-PW
High School Well #2/Commodore	9/14/2006	80000	COBI-PW
High School Well #2/Commodore	10/12/2006	35000	COBI-PW
High School Well #2/Commodore	11/14/2006	82000	COBI-PW
High School Well #2/Commodore	12/14/2006	68000	COBI-PW
High School Well #2/Commodore	1/18/2007	65000	COBI-PW
High School Well #2/Commodore	2/14/2007	59000	COBI-PW
High School Well #2/Commodore	3/12/2007	114000	COBI-PW
High School Well #2/Commodore	4/17/2007	38000	COBI-PW
High School Well #2/Commodore	5/16/2007	67000	COBI-PW
High School Well #2/Commodore	6/14/2007	24000	COBI-PW
High School Well #2/Commodore	7/17/2007	43000	COBI-PW
High School Well #2/Commodore	8/14/2007	47000	COBI-PW
High School Well #2/Commodore	9/18/2007	63000	COBI-PW
High School Well #2/Commodore	10/17/2007	52000	COBI-PW
High School Well #2/Commodore	11/19/2007	53000	COBI-PW
High School Well #2/Commodore	12/18/2007	59000	COBI-PW

Production Well	Measurement Date	Production Voulme	Technician
High School Well #2/Commodore	1/16/2008	14000	COBI-PW
High School Well #2/Commodore	2/14/2008	81000	COBI-PW
High School Well #2/Commodore	3/12/2008	27000	COBI-PW
High School Well #2/Commodore	4/15/2008	64000	COBI-PW
High School Well #2/Commodore	5/19/2008	36000	COBI-PW
High School Well #2/Commodore	6/17/2008	47000	COBI-PW
High School Well #2/Commodore	7/18/2008	26000	COBI-PW
High School Well #2/Commodore	8/14/2008	34000	COBI-PW
High School Well #2/Commodore	9/16/2008	52000	COBI-PW
High School Well #2/Commodore	1/15/2009	11712	COBI-PW
High School Well #2/Commodore	2/11/2009	15616	COBI-PW
High School Well #2/Commodore	3/13/2009	31232	COBI-PW
High School Well #2/Commodore	4/15/2009	77104	COBI-PW
High School Well #2/Commodore	5/14/2009	44896	COBI-PW
High School Well #2/Commodore	6/17/2009	2928	COBI-PW
High School Well #2/Commodore	7/15/2009	5856	COBI-PW
High School Well #2/Commodore	8/13/2009	250832	COBI-PW
High School Well #2/Commodore	9/15/2009	191296	COBI-PW
High School Well #2/Commodore	10/14/2009	60512	COBI-PW
High School Well #2/Commodore	11/17/2009	63440	COBI-PW
High School Well #2/Commodore	12/16/2009	35136	COBI-PW
High School Well #2/Commodore	1/15/2010	20775	COBI-PW
High School Well #2/Commodore	2/18/2010	14958	COBI-PW
High School Well #2/Commodore	3/16/2010	9972	COBI-PW
High School Well #2/Commodore	4/14/2010	831	COBI-PW
High School Well #2/Commodore	5/13/2010	18282	COBI-PW
High School Well #2/Commodore	6/23/2010	6648	COBI-PW
High School Well #2/Commodore	7/13/2010	4986	COBI-PW
High School Well #2/Commodore	8/20/2010	7479	COBI-PW
High School Well #2/Commodore	9/15/2010	11634	COBI-PW
High School Well #2/Commodore	10/15/2010	11634	COBI-PW
High School Well #2/Commodore	11/12/2010	2493	COBI-PW
High School Well #2/Commodore	12/15/2010	0	COBI-PW
High School Well #2/Commodore	1/18/2011	0	COBI-PW
High School Well #2/Commodore	2/22/2011	0	COBI-PW
High School Well #2/Commodore	3/15/2011	4155	COBI-PW
High School Well #2/Commodore	4/19/2011	0	COBI-PW
High School Well #2/Commodore	5/17/2011	0	COBI-PW
High School Well #2/Commodore	6/15/2011	0	COBI-PW
High School Well #2/Commodore	7/20/2011	0	COBI-PW
High School Well #2/Commodore	8/18/2011	0	COBI-PW
High School Well #2/Commodore	9/14/2011	0	COBI-PW
High School Well #2/Commodore	10/20/2011	4986	COBI-PW
High School Well #2/Commodore	11/16/2011	0	COBI-PW
High School Well #2/Commodore	12/16/2011	0	COBI-PW
High School Well #2/Commodore	1/12/2012	0	COBI-PW
High School Well #2/Commodore	2/15/2012	0	COBI-PW
High School Well #2/Commodore	3/19/2012	0	COBI-PW
High School Well #2/Commodore	4/17/2012	0	COBI-PW
High School Well #2/Commodore	5/10/2012	0	COBI-PW
High School Well #2/Commodore	6/19/2012	0	COBI-PW

Production Well	Measurement Date	Production Voulme	Technician
High School Well #2/Commodore	7/18/2012	0	COBI-PW
High School Well #2/Commodore	8/20/2012	0	COBI-PW
High School Well #2/Commodore	9/18/2012	0	COBI-PW
High School Well #2/Commodore	10/16/2012	0	COBI-PW
High School Well #2/Commodore	11/14/2012	0	COBI-PW
High School Well #2/Commodore	12/20/2012	0	COBI-PW
High School Well #2/Commodore	1/17/2013	0	COBI-PW
High School Well #2/Commodore	2/12/2013	0	COBI-PW
High School Well #2/Commodore	3/19/2013	0	COBI-PW
High School Well #2/Commodore	4/15/2013	4155	COBI-PW
High School Well #2/Commodore	5/15/2013	0	COBI-PW
High School Well #2/Commodore	6/19/2013	0	COBI-PW
High School Well #2/Commodore	7/19/2013	0	COBI-PW
High School Well #2/Commodore	8/16/2013	0	COBI-PW
High School Well #2/Commodore	9/19/2013	0	COBI-PW
High School Well #2/Commodore	10/25/2013	0	COBI-PW
High School Well #2/Commodore	11/21/2013	0	COBI-PW
High School Well #2/Commodore	12/12/2013	0	COBI-PW
High School Well #2/Commodore	1/21/2014	12465	COBI-PW
High School Well #2/Commodore	2/21/2014	0	COBI-PW
High School Well #2/Commodore	3/20/2014	0	COBI-PW
High School Well #2/Commodore	4/22/2014	0	COBI-PW
High School Well #2/Commodore	5/19/2014	0	COBI-PW
High School Well #2/Commodore	6/17/2014	5817	COBI-PW
High School Well #2/Commodore	7/16/2014	0	COBI-PW
High School Well #2/Commodore	8/26/2014	0	COBI-PW
High School Well #2/Commodore	9/18/2014	0	COBI-PW
High School Well #2/Commodore	10/15/2014	831	COBI-PW
High School Well #2/Commodore	11/19/2014	0	COBI-PW
High School Well #2/Commodore	12/22/2014	0	COBI-PW
High School Well #2/Commodore	1/15/2015	0	COBI-PW
High School Well #2/Commodore	2/17/2015	0	COBI-PW
High School Well #2/Commodore	3/16/2015	0	COBI-PW
High School Well #2/Commodore	4/21/2015	15789	COBI-PW
High School Well #2/Commodore	5/21/2015	0	COBI-PW
High School Well #2/Commodore	6/23/2015	0	COBI-PW
High School Well #2/Commodore	7/16/2015	0	COBI-PW
High School Well #2/Commodore	8/17/2015	0	COBI-PW
High School Well #2/Commodore	9/21/2015	0	COBI-PW
High School Well #2/Commodore	10/14/2015	0	COBI-PW
High School Well #2/Commodore	11/20/2015	0	COBI-PW
High School Well #2/Commodore	12/21/2015	0	COBI-PW
High School Well #2/Commodore	1/26/2016	0	COBI-PW
High School Well #2/Commodore	2/24/2016	0	COBI-PW
High School Well #2/Commodore	3/21/2016	0	COBI-PW
High School Well #2/Commodore	4/25/2016	0	COBI-PW
High School Well #2/Commodore	5/18/2016	0	COBI-PW
High School Well #2/Commodore	6/22/2016	0	COBI-PW
High School Well #2/Commodore	7/20/2016	0	COBI-PW
High School Well #2/Commodore	8/15/2016	0	COBI-PW
High School Well #2/Commodore	10/3/2016	0	COBI-PW

Production Well	Measurement Date	Production Voulme	Technician
High School Well #2/Commodore	10/26/2016	0	COBI-PW
High School Well #2/Commodore	11/30/2016	0	COBI-PW
High School Well #2/Commodore	12/29/2016	0	COBI-PW
High School Well #2/Commodore	1/22/2018	0	COBI-PW
High School Well #2/Commodore	2/13/2018	0	COBI-PW
High School Well #2/Commodore	3/19/2018	0	COBI-PW
High School Well #2/Commodore	4/18/2018	0	COBI-PW
High School Well #2/Commodore	5/17/2018	0	COBI-PW
High School Well #2/Commodore	6/14/2018	0	COBI-PW
High School Well #2/Commodore	7/19/2018	3324	COBI-PW
High School Well #2/Commodore	8/16/2018	0	COBI-PW
High School Well #2/Commodore	9/15/2018	0	COBI-PW
High School Well #2/Commodore	10/17/2018	4986	COBI-PW
High School Well #2/Commodore	11/14/2018	0	COBI-PW
High School Well #2/Commodore	12/17/2018	0	COBI-PW
High School Well #2/Commodore	1/16/2019	0	COBI-PW
High School Well #2/Commodore	2/21/2019	0	COBI-PW
High School Well #2/Commodore	3/18/2019	0	COBI-PW
High School Well #2/Commodore	4/16/2019	25000	COBI-PW
High School Well #2/Commodore	5/16/2019	25000	COBI-PW
High School Well #2/Commodore	6/18/2019	0	COBI-PW
High School Well #2/Commodore	7/17/2019	0	COBI-PW
High School Well #2/Commodore	8/16/2019	0	COBI-PW
High School Well #2/Commodore	9/20/2019	0	COBI-PW
High School Well #2/Commodore	10/16/2019	8000	COBI-PW
High School Well #2/Commodore	11/18/2019	8000	COBI-PW
High School Well #2/Commodore	12/16/2019	0	COBI-PW
High School Well #2/Commodore	1/16/2020	4000	COBI-PW
High School Well #2/Commodore	2/19/2020	4000	COBI-PW
High School Well #2/Commodore	3/17/2020	0	COBI-PW
High School Well #2/Commodore	4/20/2020	0	COBI-PW
High School Well #2/Commodore	5/19/2020	0	COBI-PW
High School Well #2/Commodore	6/17/2020	0	COBI-PW
High School Well #2/Commodore	7/16/2020	0	COBI-PW
High School Well #2/Commodore	8/18/2020	0	COBI-PW
High School Well #2/Commodore	9/17/2020	0	COBI-PW
High School Well #2/Commodore	10/16/2020	9000	COBI-PW
High School Well #2/Commodore	11/19/2020	9000	COBI-PW
High School Well #2/Commodore	12/17/2020	0	COBI-PW
High School Well #2/Commodore	1/20/2021	0	COBI-PW
High School Well #2/Commodore	2/23/2021	0	COBI-PW
High School Well #2/Commodore	3/18/2021	0	COBI-PW
High School Well #2/Commodore	5/19/2021	0	COBI-PW
High School Well #2/Commodore	6/17/2021	0	COBI-PW
High School Well #2/Commodore	7/15/2021	0	COBI-PW
High School Well #2/Commodore	8/18/2021	0	COBI-PW
High School Well #2/Commodore	9/14/2021	0	COBI-PW
High School Well #2/Commodore	10/18/2021	3000	COBI-PW
High School Well #2/Commodore	11/16/2021	0	COBI-PW
High School Well #2/Commodore	12/20/2021	0	COBI-PW
Island Utilities Well 1	11/30/2009	0	KPUD

Production Well	Measurement Date	Production Voulme	Technician
Island Utilities Well 1	12/30/2009	0	KPUD
Island Utilities Well 1	1/29/2010	0	KPUD
Island Utilities Well 1	2/26/2010	0	KPUD
Island Utilities Well 1	3/31/2010	0	KPUD
Island Utilities Well 1	4/30/2010	0	KPUD
Island Utilities Well 1	5/31/2010	0	KPUD
Island Utilities Well 1	6/25/2010	0	KPUD
Island Utilities Well 1	7/30/2010	28200	KPUD
Island Utilities Well 1	8/30/2010	0	KPUD
Island Utilities Well 1	9/29/2010	0	KPUD
Island Utilities Well 1	10/29/2010	0	KPUD
Island Utilities Well 1	11/29/2010	21000	KPUD
Island Utilities Well 1	12/31/2010	7600	KPUD
Island Utilities Well 1	1/31/2011	100	KPUD
Island Utilities Well 1	2/28/2011	0	KPUD
Island Utilities Well 1	3/30/2011	0	KPUD
Island Utilities Well 1	4/26/2011	0	KPUD
Island Utilities Well 1	5/30/2011	0	KPUD
Island Utilities Well 1	6/29/2011	0	KPUD
Island Utilities Well 1	7/28/2011	0	KPUD
Island Utilities Well 1	8/31/2011	0	KPUD
Island Utilities Well 1	9/30/2011	4100	KPUD
Island Utilities Well 1	10/31/2011	0	KPUD
Island Utilities Well 1	11/30/2011	0	KPUD
Island Utilities Well 1	12/30/2011	0	KPUD
Island Utilities Well 1	1/25/2012	400	KPUD
Island Utilities Well 1	2/29/2012	0	KPUD
Island Utilities Well 1	3/30/2012	0	KPUD
Island Utilities Well 1	4/30/2012	0	KPUD
Island Utilities Well 1	5/30/2012	0	KPUD
Island Utilities Well 1	6/29/2012	0	KPUD
Island Utilities Well 1	7/30/2012	0	KPUD
Island Utilities Well 1	8/31/2012	0	KPUD
Island Utilities Well 1	9/28/2012	0	KPUD
Island Utilities Well 1	10/31/2012	0	KPUD
Island Utilities Well 1	11/30/2012	0	KPUD
Island Utilities Well 1	12/31/2012	0	KPUD
Island Utilities Well 1	1/30/2013	0	KPUD
Island Utilities Well 1	2/27/2013	0	KPUD
Island Utilities Well 1	3/29/2013	0	KPUD
Island Utilities Well 1	4/29/2013	0	KPUD
Island Utilities Well 1	5/31/2013	0	KPUD
Island Utilities Well 1	6/28/2013	0	KPUD
Island Utilities Well 1	7/31/2013	0	KPUD
Island Utilities Well 1	8/30/2013	0	KPUD
Island Utilities Well 1	9/30/2013	0	KPUD
Island Utilities Well 1	10/30/2013	0	KPUD
Island Utilities Well 1	11/29/2013	0	KPUD
Island Utilities Well 1	12/30/2013	0	KPUD
Island Utilities Well 1	1/31/2014	0	KPUD
Island Utilities Well 1	2/28/2014	0	KPUD

Production Well	Measurement Date	Production Voulme	Technician
Island Utilities Well 1	3/31/2014	0	KPUD
Island Utilities Well 1	4/30/2014	0	KPUD
Island Utilities Well 1	5/30/2014	0	KPUD
Island Utilities Well 1	6/30/2014	77300	KPUD
Island Utilities Well 1	7/29/2014	19900	KPUD
Island Utilities Well 1	8/30/2014	0	KPUD
Island Utilities Well 1	9/29/2014	0	KPUD
Island Utilities Well 1	10/31/2014	0	KPUD
Island Utilities Well 1	11/28/2014	0	KPUD
Island Utilities Well 1	12/31/2014	800	KPUD
Island Utilities Well 1	1/30/2015	0	KPUD
Island Utilities Well 1	2/27/2015	0	KPUD
Island Utilities Well 1	3/30/2015	0	KPUD
Island Utilities Well 1	4/29/2015	0	KPUD
Island Utilities Well 1	5/29/2015	0	KPUD
Island Utilities Well 1	6/24/2015	0	KPUD
Island Utilities Well 1	7/31/2015	16439200	KPUD
Island Utilities Well 1	8/31/2015	0	KPUD
Island Utilities Well 1	9/30/2015	0	KPUD
Island Utilities Well 1	10/31/2015	0	KPUD
Island Utilities Well 1	11/30/2015	0	KPUD
Island Utilities Well 1	12/31/2015	0	KPUD
Island Utilities Well 1	1/31/2016	0	KPUD
Island Utilities Well 1	2/29/2016	0	KPUD
Island Utilities Well 1	3/31/2016	0	KPUD
Island Utilities Well 1	4/30/2016	0	KPUD
Island Utilities Well 1	5/31/2016	0	KPUD
Island Utilities Well 1	6/30/2016	0	KPUD
Island Utilities Well 1	7/31/2016	0	KPUD
Island Utilities Well 1	8/31/2016	0	KPUD
Island Utilities Well 1	9/30/2016	0	KPUD
Island Utilities Well 1	10/31/2016	0	KPUD
Island Utilities Well 1	11/30/2016	0	KPUD
Island Utilities Well 1	12/31/2016	0	KPUD
Island Utilities Well 1	1/31/2017	0	KPUD
Island Utilities Well 1	2/28/2017	0	KPUD
Island Utilities Well 1	3/31/2017	0	KPUD
Island Utilities Well 1	4/30/2017	0	KPUD
Island Utilities Well 1	2/28/2018	0	KPUD
Island Utilities Well 1	3/31/2018	0	KPUD
Island Utilities Well 1	4/30/2018	0	KPUD
Island Utilities Well 1	5/31/2018	0	KPUD
Island Utilities Well 1	6/30/2018	1300	KPUD
Island Utilities Well 1	7/31/2018	292000	KPUD
Island Utilities Well 1	8/31/2018	1279300	KPUD
Island Utilities Well 1	9/30/2018	424000	KPUD
Island Utilities Well 1	10/31/2018	0	KPUD
Island Utilities Well 1	11/30/2018	0	KPUD
Island Utilities Well 1	12/31/2018	0	KPUD
Island Utilities Well 1	1/31/2019	0	KPUD
Island Utilities Well 1	2/28/2019	0	KPUD

Production Well	Measurement Date	Production Voulme	Technician
Island Utilities Well 1	3/31/2019	0	KPUD
Island Utilities Well 1	4/30/2019	0	KPUD
Island Utilities Well 1	5/31/2019	478900	KPUD
Island Utilities Well 1	6/30/2019	617800	KPUD
Island Utilities Well 1	7/31/2019	967700	KPUD
Island Utilities Well 1	8/31/2019	1451900	KPUD
Island Utilities Well 1	9/30/2019	657000	KPUD
Island Utilities Well 1	10/31/2019	0	KPUD
Island Utilities Well 1	11/30/2019	0	KPUD
Island Utilities Well 1	12/31/2019	0	KPUD
Island Utilities Well 1	1/31/2020	0	KPUD
Island Utilities Well 1	2/29/2020	0	KPUD
Island Utilities Well 1	3/31/2020	0	KPUD
Island Utilities Well 1	4/30/2020	0	KPUD
Island Utilities Well 1	5/31/2020	0	KPUD
Island Utilities Well 1	6/30/2020	15000	KPUD
Island Utilities Well 1	7/31/2020	813100	KPUD
Island Utilities Well 1	8/31/2020	1213600	KPUD
Island Utilities Well 1	9/30/2020	997400	KPUD
Island Utilities Well 1	10/31/2020	0	KPUD
Island Utilities Well 1	11/30/2020	0	KPUD
Island Utilities Well 1	12/31/2020	0	KPUD
Island Utilities Well 1	1/31/2021	0	KPUD
Island Utilities Well 1	2/28/2021	0	KPUD
Island Utilities Well 1	3/31/2021	0	KPUD
Island Utilities Well 1	4/30/2021	0	KPUD
Island Utilities Well 1	5/31/2021	84600	KPUD
Island Utilities Well 1	6/30/2021	949600	KPUD
Island Utilities Well 1	7/31/2021	2398100	KPUD
Island Utilities Well 1	8/31/2021	2026000	KPUD
Island Utilities Well 1	9/30/2021	895400	KPUD
Island Utilities Well 1	10/31/2021	0	KPUD
Island Utilities Well 1	11/30/2021	0	KPUD
Island Utilities Well 1	12/31/2021	0	KPUD
Island Utilities Well 2	11/30/2009	425930	Island Utility
Island Utilities Well 2	12/30/2009	437770	Island Utility
Island Utilities Well 2	1/29/2010	387910	Island Utility
Island Utilities Well 2	2/26/2010	396820	Island Utility
Island Utilities Well 2	3/31/2010	681760	Island Utility
Island Utilities Well 2	4/30/2010	551420	Island Utility
Island Utilities Well 2	5/31/2010	658880	Island Utility
Island Utilities Well 2	6/25/2010	580850	Island Utility
Island Utilities Well 2	7/30/2010	2399520	Island Utility
Island Utilities Well 2	8/30/2010	1973280	Island Utility
Island Utilities Well 2	9/29/2010	775860	Island Utility
Island Utilities Well 2	10/29/2010	529620	Island Utility
Island Utilities Well 2	11/29/2010	442370	Island Utility
Island Utilities Well 2	12/31/2010	480640	Island Utility
Island Utilities Well 2	1/31/2011	462100	Island Utility
Island Utilities Well 2	2/28/2011	383540	Island Utility
Island Utilities Well 2	3/30/2011	396560	Island Utility

Production Well	Measurement Date	Production Voulme	Technician
Island Utilities Well 2	4/26/2011	436440	Island Utility
Island Utilities Well 2	5/30/2011	647390	Island Utility
Island Utilities Well 2	6/29/2011	850870	Island Utility
Island Utilities Well 2	7/28/2011	1461860	Island Utility
Island Utilities Well 2	8/31/2011	2425040	Island Utility
Island Utilities Well 2	9/30/2011	1566900	Island Utility
Island Utilities Well 2	10/31/2011	526800	Island Utility
Island Utilities Well 2	11/30/2011	430580	Island Utility
Island Utilities Well 2	12/30/2011	418910	Island Utility
Island Utilities Well 2	1/25/2012	553850	Island Utility
Island Utilities Well 2	2/29/2012	458330	Island Utility
Island Utilities Well 2	3/30/2012	473600	Island Utility
Island Utilities Well 2	4/30/2012	480950	Island Utility
Island Utilities Well 2	5/30/2012	840510	Island Utility
Island Utilities Well 2	6/29/2012	930560	Island Utility
Island Utilities Well 2	7/30/2012	1570800	Island Utility
Island Utilities Well 2	8/31/2012	2223800	Island Utility
Island Utilities Well 2	9/28/2012	1694480	Island Utility
Island Utilities Well 2	10/31/2012	841900	Island Utility
Island Utilities Well 2	11/30/2012	474690	Island Utility
Island Utilities Well 2	12/31/2012	442340	Island Utility
Island Utilities Well 2	1/30/2013	449530	Island Utility
Island Utilities Well 2	2/27/2013	434110	Island Utility
Island Utilities Well 2	3/29/2013	507880	Island Utility
Island Utilities Well 2	4/29/2013	554600	Island Utility
Island Utilities Well 2	5/31/2013	1101300	Island Utility
Island Utilities Well 2	6/28/2013	1464270	Island Utility
Island Utilities Well 2	7/31/2013	2604680	Island Utility
Island Utilities Well 2	8/30/2013	1282480	Island Utility
Island Utilities Well 2	9/30/2013	2016410	Island Utility
Island Utilities Well 2	10/30/2013	552740	Island Utility
Island Utilities Well 2	11/29/2013	491520	Island Utility
Island Utilities Well 2	12/30/2013	537990	Island Utility
Island Utilities Well 2	1/31/2014	469730	Island Utility
Island Utilities Well 2	2/28/2014	386500	Island Utility
Island Utilities Well 2	3/31/2014	494210	Island Utility
Island Utilities Well 2	4/30/2014	525220	Island Utility
Island Utilities Well 2	5/30/2014	1138870	Island Utility
Island Utilities Well 2	6/30/2014	2227180	Island Utility
Island Utilities Well 2	7/29/2014	2522140	Island Utility
Island Utilities Well 2	8/30/2014	2200280	Island Utility
Island Utilities Well 2	9/29/2014	1349300	Island Utility
Island Utilities Well 2	10/31/2014	661190	Island Utility
Island Utilities Well 2	11/28/2014	465790	Island Utility
Island Utilities Well 2	12/31/2014	508660	Island Utility
Island Utilities Well 2	1/30/2015	505900	Island Utility
Island Utilities Well 2	2/27/2015	459730	Island Utility
Island Utilities Well 2	3/30/2015	547200	Island Utility
Island Utilities Well 2	4/29/2015	612180	Island Utility
Island Utilities Well 2	5/29/2015	1215870	Island Utility
Island Utilities Well 2	6/24/2015	2090940	Island Utility

Production Well	Measurement Date	Production Voulme	Technician
Island Utilities Well 2	7/31/2015	3934050	Island Utility
Island Utilities Well 2	8/31/2015	2521750	Island Utility
Island Utilities Well 2	9/30/2015	1126348	Island Utility
Island Utilities Well 2	10/31/2015	643622	Island Utility
Island Utilities Well 2	11/30/2015	457570	Island Utility
Island Utilities Well 2	12/31/2015	391120	Island Utility
Island Utilities Well 2	1/31/2016	404570	Island Utility
Island Utilities Well 2	2/29/2016	664750	Island Utility
Island Utilities Well 2	3/31/2016	453480	Island Utility
Island Utilities Well 2	4/30/2016	691470	Island Utility
Island Utilities Well 2	5/31/2016	1552300	Island Utility
Island Utilities Well 2	6/30/2016	1904130	Island Utility
Island Utilities Well 2	7/31/2016	2034530	KPUD
Island Utilities Well 2	8/31/2016	2673200	KPUD
Island Utilities Well 2	9/30/2016	1445710	KPUD
Island Utilities Well 2	10/31/2016	544560	KPUD
Island Utilities Well 2	11/30/2016	543330	KPUD
Island Utilities Well 2	12/31/2016	449130	KPUD
Island Utilities Well 2	1/31/2017	487150	KPUD
Island Utilities Well 2	2/28/2017	455680	KPUD
Island Utilities Well 2	3/31/2017	550400	KPUD
Island Utilities Well 2	4/30/2017	442680	KPUD
Island Utilities Well 2	5/31/2017	1225520	KPUD
Island Utilities Well 2	6/30/2017	1597380	KPUD
Island Utilities Well 2	7/31/2017	2867250	KPUD
Island Utilities Well 2	8/31/2017	2859040	KPUD
Island Utilities Well 2	9/30/2017	1703690	KPUD
Island Utilities Well 2	10/31/2017	674580	KPUD
Island Utilities Well 2	11/30/2017	511040	KPUD
Island Utilities Well 2	12/31/2017	448030	KPUD
Island Utilities Well 2	1/31/2018	822510	KPUD
Island Utilities Well 2	2/28/2018	694510	KPUD
Island Utilities Well 2	3/31/2018	470730	KPUD
Island Utilities Well 2	4/30/2018	600820	KPUD
Island Utilities Well 2	5/31/2018	1335930	KPUD
Island Utilities Well 2	6/30/2018	2270020	KPUD
Island Utilities Well 2	7/31/2018	3110090	KPUD
Island Utilities Well 2	8/31/2018	2123590	KPUD
Island Utilities Well 2	9/30/2018	1375710	KPUD
Island Utilities Well 2	10/31/2018	536960	KPUD
Island Utilities Well 2	11/30/2018	354390	KPUD
Island Utilities Well 2	12/31/2018	325360	KPUD
Island Utilities Well 2	1/31/2019	444730	KPUD
Island Utilities Well 2	2/28/2019	372520	KPUD
Island Utilities Well 2	3/31/2019	741870	KPUD
Island Utilities Well 2	4/30/2019	1045260	KPUD
Island Utilities Well 2	5/31/2019	1956190	KPUD
Island Utilities Well 2	6/30/2019	2479380	KPUD
Island Utilities Well 2	7/31/2019	1824350	KPUD
Island Utilities Well 2	8/31/2019	1853850	KPUD
Island Utilities Well 2	9/30/2019	993100	KPUD

Production Well	Measurement Date	Production Voulme	Technician
Island Utilities Well 2	10/31/2019	427810	KPUD
Island Utilities Well 2	11/30/2019	398260	KPUD
Island Utilities Well 2	12/31/2019	515320	KPUD
Island Utilities Well 2	1/31/2020	394980	KPUD
Island Utilities Well 2	2/29/2020	407780	KPUD
Island Utilities Well 2	3/31/2020	755300	KPUD
Island Utilities Well 2	4/30/2020	789470	KPUD
Island Utilities Well 2	5/31/2020	1298760	KPUD
Island Utilities Well 2	6/30/2020	1377430	KPUD
Island Utilities Well 2	7/31/2020	2270960	KPUD
Island Utilities Well 2	8/31/2020	1822760	KPUD
Island Utilities Well 2	9/30/2020	1512380	KPUD
Island Utilities Well 2	10/31/2020	878080	KPUD
Island Utilities Well 2	11/30/2020	787290	KPUD
Island Utilities Well 2	12/31/2020	443210	KPUD
Island Utilities Well 2	1/31/2021	443430	KPUD
Island Utilities Well 2	2/28/2021	440510	KPUD
Island Utilities Well 2	3/31/2021	747360	KPUD
Island Utilities Well 2	4/30/2021	932350	KPUD
Island Utilities Well 2	5/31/2021	1476340	KPUD
Island Utilities Well 2	6/30/2021	1877020	KPUD
Island Utilities Well 2	7/31/2021	2290800	KPUD
Island Utilities Well 2	8/31/2021	2162400	KPUD
Island Utilities Well 2	9/30/2021	1768800	KPUD
Island Utilities Well 2	10/31/2021	471400	KPUD
Island Utilities Well 2	11/30/2021	414670	KPUD
Island Utilities Well 2	12/31/2021	516814	KPUD
Island Utilities Well 3	1/31/2009	0	KPUD
Island Utilities Well 3	2/28/2009	0	KPUD
Island Utilities Well 3	3/31/2009	0	KPUD
Island Utilities Well 3	4/30/2009	0	KPUD
Island Utilities Well 3	5/31/2009	0	KPUD
Island Utilities Well 3	6/30/2009	0	KPUD
Island Utilities Well 3	7/31/2009	0	KPUD
Island Utilities Well 3	8/31/2009	0	KPUD
Island Utilities Well 3	9/30/2009	0	KPUD
Island Utilities Well 3	10/31/2009	0	KPUD
Island Utilities Well 3	11/30/2009	0	KPUD
Island Utilities Well 3	12/31/2009	0	KPUD
Island Utilities Well 3	1/31/2010	0	KPUD
Island Utilities Well 3	2/28/2010	0	KPUD
Island Utilities Well 3	3/31/2010	0	KPUD
Island Utilities Well 3	4/30/2010	0	KPUD
Island Utilities Well 3	5/31/2010	0	KPUD
Island Utilities Well 3	6/30/2010	0	KPUD
Island Utilities Well 3	7/31/2010	0	KPUD
Island Utilities Well 3	8/31/2010	0	KPUD
Island Utilities Well 3	9/30/2010	0	KPUD
Island Utilities Well 3	10/31/2010	0	KPUD
Island Utilities Well 3	11/30/2010	0	KPUD
Island Utilities Well 3	12/31/2010	0	KPUD

Production Well	Measurement Date	Production Voulme	Technician
Island Utilities Well 3	1/31/2011	0	KPUD
Island Utilities Well 3	2/28/2011	0	KPUD
Island Utilities Well 3	3/31/2011	0	KPUD
Island Utilities Well 3	4/30/2011	0	KPUD
Island Utilities Well 3	5/31/2011	0	KPUD
Island Utilities Well 3	6/30/2011	0	KPUD
Island Utilities Well 3	7/31/2011	0	KPUD
Island Utilities Well 3	8/31/2011	0	KPUD
Island Utilities Well 3	9/30/2011	0	KPUD
Island Utilities Well 3	10/31/2011	0	KPUD
Island Utilities Well 3	11/30/2011	0	KPUD
Island Utilities Well 3	12/31/2011	0	KPUD
Island Utilities Well 3	1/31/2012	0	KPUD
Island Utilities Well 3	2/29/2012	0	KPUD
Island Utilities Well 3	3/31/2012	0	KPUD
Island Utilities Well 3	4/30/2012	0	KPUD
Island Utilities Well 3	5/31/2012	0	KPUD
Island Utilities Well 3	6/30/2012	0	KPUD
Island Utilities Well 3	7/31/2012	0	KPUD
Island Utilities Well 3	8/31/2012	0	KPUD
Island Utilities Well 3	9/30/2012	0	KPUD
Island Utilities Well 3	10/31/2012	0	KPUD
Island Utilities Well 3	11/30/2012	0	KPUD
Island Utilities Well 3	12/31/2012	0	KPUD
Island Utilities Well 3	1/31/2013	0	KPUD
Island Utilities Well 3	2/28/2013	0	KPUD
Island Utilities Well 3	3/31/2013	0	KPUD
Island Utilities Well 3	4/30/2013	0	KPUD
Island Utilities Well 3	5/31/2013	0	KPUD
Island Utilities Well 3	6/30/2013	0	KPUD
Island Utilities Well 3	7/31/2013	0	KPUD
Island Utilities Well 3	8/31/2013	0	KPUD
Island Utilities Well 3	9/30/2013	0	KPUD
Island Utilities Well 3	10/31/2013	0	KPUD
Island Utilities Well 3	11/30/2013	0	KPUD
Island Utilities Well 3	12/31/2013	0	KPUD
Island Utilities Well 3	1/31/2014	600658	KPUD
Island Utilities Well 3	2/28/2014	460984	KPUD
Island Utilities Well 3	3/31/2014	812546	KPUD
Island Utilities Well 3	4/30/2014	800984	KPUD
Island Utilities Well 3	5/31/2014	966002	KPUD
Island Utilities Well 3	6/30/2014	1730232	KPUD
Island Utilities Well 3	7/31/2014	3287124	KPUD
Island Utilities Well 3	8/31/2014	3863756	KPUD
Island Utilities Well 3	9/30/2014	2680924	KPUD
Island Utilities Well 3	10/31/2014	943270	KPUD
Island Utilities Well 3	11/30/2014	825258	KPUD
Island Utilities Well 3	12/31/2014	611044	KPUD
Island Utilities Well 3	1/31/2015	690900	KPUD
Island Utilities Well 3	2/28/2015	667506	KPUD
Island Utilities Well 3	3/31/2015	802192	KPUD

Production Well	Measurement Date	Production Voulme	Technician
Island Utilities Well 3	4/30/2015	897284	KPUD
Island Utilities Well 3	5/31/2015	1809790	KPUD
Island Utilities Well 3	6/30/2015	4422644	KPUD
Island Utilities Well 3	7/31/2015	8388072	KPUD
Island Utilities Well 3	8/31/2015	2933868	KPUD
Island Utilities Well 3	9/30/2015	1175900	KPUD
Island Utilities Well 3	10/31/2015	832100	KPUD
Island Utilities Well 3	11/30/2015	502100	KPUD
Island Utilities Well 3	12/31/2015	438300	KPUD
Island Utilities Well 3	1/31/2016	458600	KPUD
Island Utilities Well 3	2/29/2016	793800	KPUD
Island Utilities Well 3	3/31/2016	511500	KPUD
Island Utilities Well 3	4/30/2016	760900	KPUD
Island Utilities Well 3	5/31/2016	1787600	KPUD
Island Utilities Well 3	6/30/2016	2066700	KPUD
Island Utilities Well 3	7/31/2016	1999200	KPUD
Island Utilities Well 3	8/31/2016	2648600	KPUD
Island Utilities Well 3	9/30/2016	1421300	KPUD
Island Utilities Well 3	10/31/2016	660800	KPUD
Island Utilities Well 3	11/30/2016	529300	KPUD
Island Utilities Well 3	12/31/2016	485700	KPUD
Island Utilities Well 3	1/31/2017	528600	KPUD
Island Utilities Well 3	2/28/2017	0	KPUD
Island Utilities Well 3	3/31/2017	578500	KPUD
Island Utilities Well 3	4/30/2017	489200	KPUD
Island Utilities Well 3	5/31/2017	1269200	KPUD
Island Utilities Well 3	6/30/2017	1631900	KPUD
Island Utilities Well 3	7/31/2017	2636100	KPUD
Island Utilities Well 3	8/31/2017	2863000	KPUD
Island Utilities Well 3	9/30/2017	1752200	KPUD
Island Utilities Well 3	10/31/2017	778600	KPUD
Island Utilities Well 3	11/30/2017	585600	KPUD
Island Utilities Well 3	12/31/2017	437800	KPUD
Island Utilities Well 3	1/31/2018	730500	KPUD
Island Utilities Well 3	2/28/2018	708100	KPUD
Island Utilities Well 3	3/31/2018	523600	KPUD
Island Utilities Well 3	4/30/2018	652500	KPUD
Island Utilities Well 3	5/31/2018	1281800	KPUD
Island Utilities Well 3	6/30/2018	2190700	KPUD
Island Utilities Well 3	7/31/2018	3291300	KPUD
Island Utilities Well 3	8/31/2018	2813400	KPUD
Island Utilities Well 3	9/30/2018	2085700	KPUD
Island Utilities Well 3	10/31/2018	967200	KPUD
Island Utilities Well 3	11/30/2018	737300	KPUD
Island Utilities Well 3	12/31/2018	673500	KPUD
Island Utilities Well 3	1/31/2019	571200	KPUD
Island Utilities Well 3	2/28/2019	564500	KPUD
Island Utilities Well 3	3/31/2019	827600	KPUD
Island Utilities Well 3	4/30/2019	1282000	KPUD
Island Utilities Well 3	5/31/2019	2433100	KPUD
Island Utilities Well 3	6/30/2019	2996300	KPUD

Production Well	Measurement Date	Production Voulme	Technician
Island Utilities Well 3	7/31/2019	2568700	KPUD
Island Utilities Well 3	8/31/2019	2895000	KPUD
Island Utilities Well 3	9/30/2019	1472400	KPUD
Island Utilities Well 3	10/31/2019	649800	KPUD
Island Utilities Well 3	11/30/2019	566300	KPUD
Island Utilities Well 3	12/31/2019	718300	KPUD
Island Utilities Well 3	1/31/2020	543100	KPUD
Island Utilities Well 3	2/29/2020	554300	KPUD
Island Utilities Well 3	3/31/2020	964600	KPUD
Island Utilities Well 3	4/30/2020	1032600	KPUD
Island Utilities Well 3	5/31/2020	1645200	KPUD
Island Utilities Well 3	6/30/2020	1725300	KPUD
Island Utilities Well 3	7/31/2020	2755000	KPUD
Island Utilities Well 3	8/31/2020	2547200	KPUD
Island Utilities Well 3	9/30/2020	2394000	KPUD
Island Utilities Well 3	10/31/2020	1409700	KPUD
Island Utilities Well 3	11/30/2020	1188700	KPUD
Island Utilities Well 3	12/31/2020	675400	KPUD
Island Utilities Well 3	1/31/2021	653600	KPUD
Island Utilities Well 3	2/28/2021	630600	KPUD
Island Utilities Well 3	3/31/2021	1031200	KPUD
Island Utilities Well 3	4/30/2021	1273100	KPUD
Island Utilities Well 3	5/31/2021	1920400	KPUD
Island Utilities Well 3	6/30/2021	2634200	KPUD
Island Utilities Well 3	7/31/2021	2714600	KPUD
Island Utilities Well 3	8/31/2021	2603000	KPUD
Island Utilities Well 3	9/30/2021	2153700	KPUD
Island Utilities Well 3	10/31/2021	860000	KPUD
Island Utilities Well 3	11/30/2021	701500	KPUD
Island Utilities Well 3	12/31/2021	845100	KPUD
North Bainbridge Well 03	12/31/1986	8500	KPUD
North Bainbridge Well 03	1/31/1987	4375800	KPUD
North Bainbridge Well 03	2/28/1987	4655300	KPUD
North Bainbridge Well 03	3/31/1987	5855000	KPUD
North Bainbridge Well 03	4/30/1987	4343500	KPUD
North Bainbridge Well 03	5/31/1987	4046700	KPUD
North Bainbridge Well 03	6/30/1987	4251300	KPUD
North Bainbridge Well 03	7/31/1987	4633500	KPUD
North Bainbridge Well 03	8/31/1987	3567200	KPUD
North Bainbridge Well 03	9/30/1987	1433000	KPUD
North Bainbridge Well 03	10/31/1987	2056200	KPUD
North Bainbridge Well 03	11/30/1987	776500	KPUD
North Bainbridge Well 03	12/31/1987	883300	KPUD
North Bainbridge Well 03	1/31/1988	1220400	KPUD
North Bainbridge Well 03	2/29/1988	1380000	KPUD
North Bainbridge Well 03	3/31/1988	5271700	KPUD
North Bainbridge Well 03	4/30/1988	4941600	KPUD
North Bainbridge Well 03	5/31/1988	7058700	KPUD
North Bainbridge Well 03	6/30/1988	4328700	KPUD
North Bainbridge Well 03	7/31/1988	2401800	KPUD
North Bainbridge Well 03	8/31/1988	2909100	KPUD

Production Well	Measurement Date	Production Voulme	Technician
North Bainbridge Well 03	9/30/1988	1832000	KPUD
North Bainbridge Well 03	10/31/1988	3357000	KPUD
North Bainbridge Well 03	11/30/1988	1970200	KPUD
North Bainbridge Well 03	12/31/1988	5061900	KPUD
North Bainbridge Well 03	1/31/1989	5081500	KPUD
North Bainbridge Well 03	2/28/1989	4477400	KPUD
North Bainbridge Well 03	3/31/1989	1682800	KPUD
North Bainbridge Well 03	4/30/1989	2988400	KPUD
North Bainbridge Well 03	5/31/1989	6756500	KPUD
North Bainbridge Well 03	6/30/1989	6612300	KPUD
North Bainbridge Well 03	7/31/1989	3925300	KPUD
North Bainbridge Well 03	8/31/1989	1350100	KPUD
North Bainbridge Well 03	9/30/1989	199800	KPUD
North Bainbridge Well 03	10/31/1989	5886500	KPUD
North Bainbridge Well 03	11/30/1989	7843600	KPUD
North Bainbridge Well 03	12/31/1989	5380900	KPUD
North Bainbridge Well 03	1/31/1990	0	KPUD
North Bainbridge Well 03	2/28/1990	257300	KPUD
North Bainbridge Well 03	3/31/1990	0	KPUD
North Bainbridge Well 03	4/30/1990	62100	KPUD
North Bainbridge Well 03	5/31/1990	68600	KPUD
North Bainbridge Well 03	6/30/1990	3289100	KPUD
North Bainbridge Well 03	7/31/1990	4800600	KPUD
North Bainbridge Well 03	8/31/1990	3989100	KPUD
North Bainbridge Well 03	9/30/1990	2724800	KPUD
North Bainbridge Well 03	10/31/1990	6448400	KPUD
North Bainbridge Well 03	11/30/1990	5024800	KPUD
North Bainbridge Well 03	12/31/1990	6425500	KPUD
North Bainbridge Well 03	1/31/1991	0	KPUD
North Bainbridge Well 03	2/28/1991	179500	KPUD
North Bainbridge Well 03	10/31/1991	1757500	KPUD
North Bainbridge Well 03	11/30/1991	4347500	KPUD
North Bainbridge Well 03	12/31/1991	48500	KPUD
North Bainbridge Well 03	1/31/1992	0	KPUD
North Bainbridge Well 03	2/29/1992	977000	KPUD
North Bainbridge Well 03	3/31/1992	2978700	KPUD
North Bainbridge Well 03	4/30/1992	3024600	KPUD
North Bainbridge Well 03	5/31/1992	1451600	KPUD
North Bainbridge Well 03	6/30/1992	673200	KPUD
North Bainbridge Well 03	7/31/1992	4447500	KPUD
North Bainbridge Well 03	8/31/1992	2306500	KPUD
North Bainbridge Well 03	9/30/1992	507200	KPUD
North Bainbridge Well 03	10/31/1992	1495600	KPUD
North Bainbridge Well 03	11/30/1992	1751800	KPUD
North Bainbridge Well 03	12/31/1992	1298100	KPUD
North Bainbridge Well 03	1/31/1993	0	KPUD
North Bainbridge Well 03	2/28/1993	0	KPUD
North Bainbridge Well 03	3/31/1993	0	KPUD
North Bainbridge Well 03	4/30/1993	0	KPUD
North Bainbridge Well 03	5/31/1993	1179300	KPUD
North Bainbridge Well 03	6/30/1993	3103200	KPUD

Production Well	Measurement Date	Production Voulme	Technician
North Bainbridge Well 03	7/31/1993	579600	KPUD
North Bainbridge Well 03	8/31/1993	2518500	KPUD
North Bainbridge Well 03	9/30/1993	2637300	KPUD
North Bainbridge Well 03	10/31/1993	672200	KPUD
North Bainbridge Well 03	11/30/1993	4762600	KPUD
North Bainbridge Well 03	12/31/1993	4823500	KPUD
North Bainbridge Well 03	1/31/1994	119600	KPUD
North Bainbridge Well 03	3/31/1994	1062900	KPUD
North Bainbridge Well 03	4/30/1994	0	KPUD
North Bainbridge Well 03	5/31/1994	1212600	KPUD
North Bainbridge Well 03	6/30/1994	2567700	KPUD
North Bainbridge Well 03	7/31/1994	3212300	KPUD
North Bainbridge Well 03	8/31/1994	2592000	KPUD
North Bainbridge Well 03	9/30/1994	618000	KPUD
North Bainbridge Well 03	10/31/1994	555900	KPUD
North Bainbridge Well 03	11/30/1994	0	KPUD
North Bainbridge Well 03	12/31/1994	0	KPUD
North Bainbridge Well 03	1/31/1995	0	KPUD
North Bainbridge Well 03	2/28/1995	0	KPUD
North Bainbridge Well 03	3/31/1995	0	KPUD
North Bainbridge Well 03	4/30/1995	0	KPUD
North Bainbridge Well 03	5/31/1995	100	KPUD
North Bainbridge Well 03	6/30/1995	0	KPUD
North Bainbridge Well 03	7/31/1995	0	KPUD
North Bainbridge Well 03	8/31/1995	0	KPUD
North Bainbridge Well 03	9/30/1995	64300	KPUD
North Bainbridge Well 03	10/31/1995	0	KPUD
North Bainbridge Well 03	11/30/1995	200	KPUD
North Bainbridge Well 03	12/31/1995	0	KPUD
North Bainbridge Well 03	1/31/1996	0	KPUD
North Bainbridge Well 03	2/29/1996	0	KPUD
North Bainbridge Well 03	3/31/1996	0	KPUD
North Bainbridge Well 03	4/30/1996	0	KPUD
North Bainbridge Well 03	5/31/1996	0	KPUD
North Bainbridge Well 03	6/30/1996	0	KPUD
North Bainbridge Well 03	7/31/1996	1219900	KPUD
North Bainbridge Well 03	8/31/1996	400	KPUD
North Bainbridge Well 03	9/30/1996	710900	KPUD
North Bainbridge Well 03	10/31/1996	373100	KPUD
North Bainbridge Well 03	11/30/1996	129500	KPUD
North Bainbridge Well 03	12/31/1996	0	KPUD
North Bainbridge Well 03	1/31/1997	0	KPUD
North Bainbridge Well 03	2/28/1997	300	KPUD
North Bainbridge Well 03	3/31/1997	300	KPUD
North Bainbridge Well 03	4/30/1997	1200	KPUD
North Bainbridge Well 03	5/31/1997	700	KPUD
North Bainbridge Well 03	6/30/1997	994000	KPUD
North Bainbridge Well 03	7/31/1997	0	KPUD
North Bainbridge Well 03	8/31/1997	1404400	KPUD
North Bainbridge Well 03	9/30/1997	0	KPUD
North Bainbridge Well 03	10/31/1997	0	KPUD

Production Well	Measurement Date	Production Voulme	Technician
North Bainbridge Well 03	11/30/1997	0	KPUD
North Bainbridge Well 03	12/31/1997	0	KPUD
North Bainbridge Well 03	1/31/1998	0	KPUD
North Bainbridge Well 03	2/28/1998	0	KPUD
North Bainbridge Well 03	3/31/1998	0	KPUD
North Bainbridge Well 03	4/30/1998	0	KPUD
North Bainbridge Well 03	5/31/1998	1100	KPUD
North Bainbridge Well 03	6/30/1998	0	KPUD
North Bainbridge Well 03	7/31/1998	0	KPUD
North Bainbridge Well 03	8/31/1998	900	KPUD
North Bainbridge Well 03	9/30/1998	0	KPUD
North Bainbridge Well 03	10/31/1998	0	KPUD
North Bainbridge Well 03	11/30/1998	0	KPUD
North Bainbridge Well 03	12/31/1998	0	KPUD
North Bainbridge Well 03	1/31/1999	0	KPUD
North Bainbridge Well 03	2/28/1999	0	KPUD
North Bainbridge Well 03	3/31/1999	0	KPUD
North Bainbridge Well 03	4/30/1999	100	KPUD
North Bainbridge Well 03	5/31/1999	0	KPUD
North Bainbridge Well 03	6/30/1999	0	KPUD
North Bainbridge Well 03	7/31/1999	0	KPUD
North Bainbridge Well 03	8/31/1999	0	KPUD
North Bainbridge Well 03	9/30/1999	0	KPUD
North Bainbridge Well 03	10/31/1999	0	KPUD
North Bainbridge Well 03	11/30/1999	0	KPUD
North Bainbridge Well 03	12/31/1999	0	KPUD
North Bainbridge Well 03	1/31/2000	0	KPUD
North Bainbridge Well 03	2/29/2000	0	KPUD
North Bainbridge Well 03	3/31/2000	0	KPUD
North Bainbridge Well 03	4/30/2000	0	KPUD
North Bainbridge Well 03	5/31/2000	0	KPUD
North Bainbridge Well 03	6/30/2000	0	KPUD
North Bainbridge Well 03	7/31/2000	114300	KPUD
North Bainbridge Well 03	8/31/2000	31400	KPUD
North Bainbridge Well 03	9/30/2000	0	KPUD
North Bainbridge Well 03	10/31/2000	0	KPUD
North Bainbridge Well 03	11/30/2000	0	KPUD
North Bainbridge Well 03	12/31/2000	0	KPUD
North Bainbridge Well 03	1/31/2001	0	KPUD
North Bainbridge Well 03	2/28/2001	0	KPUD
North Bainbridge Well 03	3/31/2001	0	KPUD
North Bainbridge Well 03	4/30/2001	0	KPUD
North Bainbridge Well 03	5/31/2001	0	KPUD
North Bainbridge Well 03	6/30/2001	0	KPUD
North Bainbridge Well 03	7/31/2001	402600	KPUD
North Bainbridge Well 03	8/31/2001	304600	KPUD
North Bainbridge Well 03	9/30/2001	199500	KPUD
North Bainbridge Well 03	10/31/2001	0	KPUD
North Bainbridge Well 03	11/30/2001	0	KPUD
North Bainbridge Well 03	12/31/2001	0	KPUD
North Bainbridge Well 03	1/31/2002	0	KPUD

Production Well	Measurement Date	Production Voulme	Technician
North Bainbridge Well 03	2/28/2002	0	KPUD
North Bainbridge Well 03	3/31/2002	0	KPUD
North Bainbridge Well 03	4/30/2002	0	KPUD
North Bainbridge Well 03	5/31/2002	0	KPUD
North Bainbridge Well 03	6/30/2002	0	KPUD
North Bainbridge Well 03	7/31/2002	0	KPUD
North Bainbridge Well 03	8/31/2002	0	KPUD
North Bainbridge Well 03	9/30/2002	0	KPUD
North Bainbridge Well 03	10/31/2002	0	KPUD
North Bainbridge Well 03	11/30/2002	0	KPUD
North Bainbridge Well 03	12/31/2002	0	KPUD
North Bainbridge Well 03	1/31/2003	0	KPUD
North Bainbridge Well 03	2/28/2003	0	KPUD
North Bainbridge Well 03	3/31/2003	0	KPUD
North Bainbridge Well 03	4/30/2003	0	KPUD
North Bainbridge Well 03	5/31/2003	0	KPUD
North Bainbridge Well 03	6/30/2003	0	KPUD
North Bainbridge Well 03	7/31/2003	0	KPUD
North Bainbridge Well 03	8/31/2003	4485000	KPUD
North Bainbridge Well 03	9/11/2003	1185300	KPUD
North Bainbridge Well 03	10/30/2003	107000	KPUD
North Bainbridge Well 03	11/30/2003	0	KPUD
North Bainbridge Well 03	12/31/2003	0	KPUD
North Bainbridge Well 03	1/31/2004	1991700	KPUD
North Bainbridge Well 03	2/29/2004	3634100	KPUD
North Bainbridge Well 03	3/31/2004	2392800	KPUD
North Bainbridge Well 03	4/30/2004	2251500	KPUD
North Bainbridge Well 03	5/31/2004	2777000	KPUD
North Bainbridge Well 03	6/30/2004	4154100	KPUD
North Bainbridge Well 03	7/31/2004	5045200	KPUD
North Bainbridge Well 03	8/31/2004	4428500	KPUD
North Bainbridge Well 03	9/30/2004	656100	KPUD
North Bainbridge Well 03	10/31/2004	250800	KPUD
North Bainbridge Well 03	11/30/2004	1836500	KPUD
North Bainbridge Well 03	12/30/2004	1796500	KPUD
North Bainbridge Well 03	1/31/2005	1052100	KPUD
North Bainbridge Well 03	2/28/2005	977400	KPUD
North Bainbridge Well 03	3/30/2005	1581500	KPUD
North Bainbridge Well 03	4/29/2005	1599000	KPUD
North Bainbridge Well 03	5/31/2005	2113200	KPUD
North Bainbridge Well 03	7/1/2005	2718300	KPUD
North Bainbridge Well 03	7/29/2005	3154800	KPUD
North Bainbridge Well 03	8/31/2005	4567700	KPUD
North Bainbridge Well 03	9/30/2005	2674700	KPUD
North Bainbridge Well 03	10/31/2005	12779600	KPUD
North Bainbridge Well 03	11/30/2005	1339200	KPUD
North Bainbridge Well 03	12/31/2005	0	KPUD
North Bainbridge Well 03	1/31/2006	0	KPUD
North Bainbridge Well 03	2/28/2006	0	KPUD
North Bainbridge Well 03	3/31/2006	0	KPUD
North Bainbridge Well 03	4/30/2006	0	KPUD

Production Well	Measurement Date	Production Voulme	Technician
North Bainbridge Well 03	5/31/2006	0	KPUD
North Bainbridge Well 03	6/30/2006	0	KPUD
North Bainbridge Well 03	7/31/2006	0	KPUD
North Bainbridge Well 03	8/31/2006	0	KPUD
North Bainbridge Well 03	9/30/2006	0	KPUD
North Bainbridge Well 03	10/31/2006	2126400	KPUD
North Bainbridge Well 03	11/30/2006	1533500	KPUD
North Bainbridge Well 03	12/31/2006	1796600	KPUD
North Bainbridge Well 03	1/31/2007	1856700	KPUD
North Bainbridge Well 03	2/28/2007	1617300	KPUD
North Bainbridge Well 03	3/31/2007	1614900	KPUD
North Bainbridge Well 03	4/30/2007	1797000	KPUD
North Bainbridge Well 03	5/31/2007	2671400	KPUD
North Bainbridge Well 03	6/30/2007	3175900	KPUD
North Bainbridge Well 03	7/31/2007	4398100	KPUD
North Bainbridge Well 03	8/31/2007	3512200	KPUD
North Bainbridge Well 03	9/30/2007	0	KPUD
North Bainbridge Well 03	10/31/2007	1696500	KPUD
North Bainbridge Well 03	11/30/2007	1573100	KPUD
North Bainbridge Well 03	12/31/2007	1625900	KPUD
North Bainbridge Well 03	1/31/2008	1576100	KPUD
North Bainbridge Well 03	2/29/2008	1607700	KPUD
North Bainbridge Well 03	3/31/2008	1663200	KPUD
North Bainbridge Well 03	4/30/2008	1501200	KPUD
North Bainbridge Well 03	5/31/2008	2146400	KPUD
North Bainbridge Well 03	6/30/2008	2724400	KPUD
North Bainbridge Well 03	7/31/2008	4311300	KPUD
North Bainbridge Well 03	8/31/2008	3311600	KPUD
North Bainbridge Well 03	9/30/2008	2602000	KPUD
North Bainbridge Well 03	10/31/2008	1606100	KPUD
North Bainbridge Well 03	11/30/2008	1595000	KPUD
North Bainbridge Well 03	12/31/2008	1716000	KPUD
North Bainbridge Well 03	1/31/2009	1553000	KPUD
North Bainbridge Well 03	2/28/2009	1386500	KPUD
North Bainbridge Well 03	3/31/2009	1490100	KPUD
North Bainbridge Well 03	4/30/2009	1591000	KPUD
North Bainbridge Well 03	5/31/2009	2094100	KPUD
North Bainbridge Well 03	6/30/2009	2184100	KPUD
North Bainbridge Well 03	7/31/2009	1682900	KPUD
North Bainbridge Well 03	8/31/2009	3062500	KPUD
North Bainbridge Well 03	9/30/2009	2027800	KPUD
North Bainbridge Well 03	10/31/2009	1458300	KPUD
North Bainbridge Well 03	11/30/2009	1237400	KPUD
North Bainbridge Well 03	12/31/2009	1288300	KPUD
North Bainbridge Well 03	1/31/2010	1262700	KPUD
North Bainbridge Well 03	2/28/2010	1266100	KPUD
North Bainbridge Well 03	3/31/2010	1247200	KPUD
North Bainbridge Well 03	4/30/2010	1141500	KPUD
North Bainbridge Well 03	5/31/2010	1987000	KPUD
North Bainbridge Well 03	6/30/2010	1662500	KPUD
North Bainbridge Well 03	7/31/2010	2877300	KPUD

Production Well	Measurement Date	Production Voulme	Technician
North Bainbridge Well 03	8/31/2010	2822700	KPUD
North Bainbridge Well 03	9/30/2010	1593600	KPUD
North Bainbridge Well 03	10/31/2010	1323600	KPUD
North Bainbridge Well 03	11/30/2010	1215900	KPUD
North Bainbridge Well 03	12/31/2010	1302900	KPUD
North Bainbridge Well 03	1/31/2011	1244500	KPUD
North Bainbridge Well 03	2/28/2011	1102800	KPUD
North Bainbridge Well 03	3/31/2011	1201100	KPUD
North Bainbridge Well 03	4/30/2011	1212000	KPUD
North Bainbridge Well 03	5/31/2011	1373000	KPUD
North Bainbridge Well 03	6/30/2011	1729500	KPUD
North Bainbridge Well 03	7/31/2011	2350900	KPUD
North Bainbridge Well 03	8/31/2011	2773100	KPUD
North Bainbridge Well 03	9/30/2011	2350900	KPUD
North Bainbridge Well 03	10/31/2011	1691500	KPUD
North Bainbridge Well 03	11/30/2011	1253200	KPUD
North Bainbridge Well 03	12/31/2011	1240100	KPUD
North Bainbridge Well 03	1/31/2012	1232300	KPUD
North Bainbridge Well 03	2/29/2012	1124900	KPUD
North Bainbridge Well 03	3/31/2012	1291000	KPUD
North Bainbridge Well 03	4/30/2012	1348600	KPUD
North Bainbridge Well 03	5/31/2012	1731700	KPUD
North Bainbridge Well 03	6/30/2012	1590100	KPUD
North Bainbridge Well 03	7/31/2012	2183400	KPUD
North Bainbridge Well 03	8/31/2012	3147500	KPUD
North Bainbridge Well 03	9/30/2012	2604400	KPUD
North Bainbridge Well 03	10/31/2012	1794600	KPUD
North Bainbridge Well 03	11/30/2012	1252600	KPUD
North Bainbridge Well 03	12/31/2012	1243800	KPUD
North Bainbridge Well 03	1/31/2013	1206100	KPUD
North Bainbridge Well 03	2/28/2013	1020300	KPUD
North Bainbridge Well 03	3/31/2013	1424400	KPUD
North Bainbridge Well 03	4/30/2013	1345600	KPUD
North Bainbridge Well 03	5/31/2013	1997400	KPUD
North Bainbridge Well 03	6/30/2013	1887800	KPUD
North Bainbridge Well 03	7/31/2013	500	KPUD
North Bainbridge Well 03	8/31/2013	2195400	KPUD
North Bainbridge Well 03	9/30/2013	1544000	KPUD
North Bainbridge Well 03	10/31/2013	981900	KPUD
North Bainbridge Well 03	11/30/2013	921000	KPUD
North Bainbridge Well 03	12/31/2013	1270300	KPUD
North Bainbridge Well 03	1/31/2014	1204600	KPUD
North Bainbridge Well 03	2/28/2014	1083100	KPUD
North Bainbridge Well 03	3/31/2014	1317000	KPUD
North Bainbridge Well 03	4/30/2014	1425800	KPUD
North Bainbridge Well 03	5/31/2014	1770200	KPUD
North Bainbridge Well 03	6/30/2014	2353700	KPUD
North Bainbridge Well 03	7/31/2014	3343100	KPUD
North Bainbridge Well 03	8/31/2014	3218400	KPUD
North Bainbridge Well 03	9/30/2014	2144100	KPUD
North Bainbridge Well 03	10/31/2014	1520100	KPUD

Production Well	Measurement Date	Production Voulme	Technician
North Bainbridge Well 03	11/30/2014	1148000	KPUD
North Bainbridge Well 03	12/31/2014	1414800	KPUD
North Bainbridge Well 03	1/31/2015	1258200	KPUD
North Bainbridge Well 03	2/28/2015	0	KPUD
North Bainbridge Well 03	3/31/2015	0	KPUD
North Bainbridge Well 03	4/30/2015	0	KPUD
North Bainbridge Well 03	5/31/2015	2288500	KPUD
North Bainbridge Well 03	6/30/2015	3512500	KPUD
North Bainbridge Well 03	7/31/2015	4259800	KPUD
North Bainbridge Well 03	8/31/2015	3300400	KPUD
North Bainbridge Well 03	9/30/2015	1817600	KPUD
North Bainbridge Well 03	10/31/2015	1486200	KPUD
North Bainbridge Well 03	11/30/2015	1318600	KPUD
North Bainbridge Well 03	12/31/2015	1462800	KPUD
North Bainbridge Well 03	1/31/2016	593800	KPUD
North Bainbridge Well 03	2/29/2016	1202500	KPUD
North Bainbridge Well 03	3/31/2016	1285200	KPUD
North Bainbridge Well 03	4/30/2016	1487500	KPUD
North Bainbridge Well 03	5/31/2016	2213500	KPUD
North Bainbridge Well 03	6/30/2016	2822300	KPUD
North Bainbridge Well 03	7/31/2016	3260400	KPUD
North Bainbridge Well 03	8/31/2016	3655900	KPUD
North Bainbridge Well 03	9/30/2016	2275800	KPUD
North Bainbridge Well 03	10/31/2016	1365100	KPUD
North Bainbridge Well 03	11/30/2016	1267900	KPUD
North Bainbridge Well 03	12/31/2016	1384300	KPUD
North Bainbridge Well 03	1/31/2017	2019300	KPUD
North Bainbridge Well 03	2/28/2017	0	KPUD
North Bainbridge Well 03	3/31/2017	2680600	KPUD
North Bainbridge Well 03	4/30/2017	2366600	KPUD
North Bainbridge Well 03	5/31/2017	1709900	KPUD
North Bainbridge Well 03	6/30/2017	2470300	KPUD
North Bainbridge Well 03	7/31/2017	3716500	KPUD
North Bainbridge Well 03	8/31/2017	3724800	KPUD
North Bainbridge Well 03	9/30/2017	2634900	KPUD
North Bainbridge Well 03	10/31/2017	1515000	KPUD
North Bainbridge Well 03	11/30/2017	1346800	KPUD
North Bainbridge Well 03	12/31/2017	1378600	KPUD
North Bainbridge Well 03	1/31/2018	1330000	KPUD
North Bainbridge Well 03	2/28/2018	1121500	KPUD
North Bainbridge Well 03	3/31/2018	1398600	KPUD
North Bainbridge Well 03	4/30/2018	1357200	KPUD
North Bainbridge Well 03	5/31/2018	2343100	KPUD
North Bainbridge Well 03	6/30/2018	1801800	KPUD
North Bainbridge Well 03	7/31/2018	0	KPUD
North Bainbridge Well 03	8/31/2018	300	KPUD
North Bainbridge Well 03	9/30/2018	100	KPUD
North Bainbridge Well 03	10/31/2018	200	KPUD
North Bainbridge Well 03	11/30/2018	3100	KPUD
North Bainbridge Well 03	12/31/2018	13500	KPUD
North Bainbridge Well 03	1/31/2019	0	KPUD

Production Well	Measurement Date	Production Voulme	Technician
North Bainbridge Well 03	2/28/2019	633300	KPUD
North Bainbridge Well 03	3/31/2019	1526000	KPUD
North Bainbridge Well 03	4/30/2019	1602600	KPUD
North Bainbridge Well 03	5/31/2019	2644700	KPUD
North Bainbridge Well 03	6/30/2019	3259400	KPUD
North Bainbridge Well 03	7/31/2019	1089100	KPUD
North Bainbridge Well 03	8/31/2019	0	KPUD
North Bainbridge Well 03	9/30/2019	0	KPUD
North Bainbridge Well 03	10/31/2019	0	KPUD
North Bainbridge Well 03	11/30/2019	0	KPUD
North Bainbridge Well 03	12/31/2019	100	KPUD
North Bainbridge Well 03	1/31/2020	0	KPUD
North Bainbridge Well 03	2/29/2020	0	KPUD
North Bainbridge Well 03	3/31/2020	0	KPUD
North Bainbridge Well 03	4/30/2020	0	KPUD
North Bainbridge Well 03	5/31/2020	0	KPUD
North Bainbridge Well 03	6/30/2020	2179800	KPUD
North Bainbridge Well 03	7/31/2020	3520300	KPUD
North Bainbridge Well 03	8/31/2020	3897000	KPUD
North Bainbridge Well 03	9/30/2020	3202100	KPUD
North Bainbridge Well 03	10/31/2020	1839300	KPUD
North Bainbridge Well 03	11/30/2020	212900	KPUD
North Bainbridge Well 03	12/31/2020	0	KPUD
North Bainbridge Well 03	1/31/2021	0	KPUD
North Bainbridge Well 03	2/28/2021	0	KPUD
North Bainbridge Well 03	3/31/2021	0	KPUD
North Bainbridge Well 03	4/30/2021	2765800	KPUD
North Bainbridge Well 03	5/31/2021	3664900	KPUD
North Bainbridge Well 03	6/30/2021	2106700	KPUD
North Bainbridge Well 03	7/31/2021	4734300	KPUD
North Bainbridge Well 03	8/31/2021	3347700	KPUD
North Bainbridge Well 03	9/30/2021	2275700	KPUD
North Bainbridge Well 03	10/31/2021	332500	KPUD
North Bainbridge Well 03	11/30/2021	0	KPUD
North Bainbridge Well 03	12/31/2021	0	KPUD
North Bainbridge Well 06	2/28/2005	977400	KPUD
North Bainbridge Well 06	3/30/2005	1581500	KPUD
North Bainbridge Well 06	4/30/2005	0	KPUD
North Bainbridge Well 06	5/31/2005	0	KPUD
North Bainbridge Well 06	6/30/2005	0	KPUD
North Bainbridge Well 06	7/31/2005	0	KPUD
North Bainbridge Well 06	8/31/2005	0	KPUD
North Bainbridge Well 06	9/30/2005	0	KPUD
North Bainbridge Well 06	10/31/2005	0	KPUD
North Bainbridge Well 06	11/30/2005	0	KPUD
North Bainbridge Well 06	12/31/2005	0	KPUD
North Bainbridge Well 06	1/31/2006	0	KPUD
North Bainbridge Well 06	2/28/2006	0	KPUD
North Bainbridge Well 06	3/31/2006	0	KPUD
North Bainbridge Well 06	4/30/2006	0	KPUD
North Bainbridge Well 06	5/31/2006	0	KPUD

Production Well	Measurement Date	Production Voulme	Technician
North Bainbridge Well 06	6/30/2006	0	KPUD
North Bainbridge Well 06	7/31/2006	0	KPUD
North Bainbridge Well 06	8/31/2006	0	KPUD
North Bainbridge Well 06	9/30/2006	0	KPUD
North Bainbridge Well 06	10/31/2006	0	KPUD
North Bainbridge Well 06	11/30/2006	0	KPUD
North Bainbridge Well 06	12/31/2006	0	KPUD
North Bainbridge Well 06	1/31/2007	0	KPUD
North Bainbridge Well 06	2/28/2007	600	KPUD
North Bainbridge Well 06	3/31/2007	0	KPUD
North Bainbridge Well 06	4/30/2007	0	KPUD
North Bainbridge Well 06	5/31/2007	0	KPUD
North Bainbridge Well 06	6/30/2007	0	KPUD
North Bainbridge Well 06	7/31/2007	0	KPUD
North Bainbridge Well 06	8/31/2007	0	KPUD
North Bainbridge Well 06	9/30/2007	0	KPUD
North Bainbridge Well 06	10/31/2007	0	KPUD
North Bainbridge Well 06	11/30/2007	0	KPUD
North Bainbridge Well 06	12/31/2007	0	KPUD
North Bainbridge Well 06	1/31/2008	0	KPUD
North Bainbridge Well 06	2/29/2008	0	KPUD
North Bainbridge Well 06	3/31/2008	0	KPUD
North Bainbridge Well 06	4/30/2008	0	KPUD
North Bainbridge Well 06	5/31/2008	0	KPUD
North Bainbridge Well 06	6/30/2008	0	KPUD
North Bainbridge Well 06	7/31/2008	0	KPUD
North Bainbridge Well 06	8/31/2008	0	KPUD
North Bainbridge Well 06	9/30/2008	0	KPUD
North Bainbridge Well 06	10/31/2008	0	KPUD
North Bainbridge Well 06	11/30/2008	0	KPUD
North Bainbridge Well 06	12/31/2008	0	KPUD
North Bainbridge Well 06	1/31/2009	0	KPUD
North Bainbridge Well 06	2/28/2009	0	KPUD
North Bainbridge Well 06	3/31/2009	0	KPUD
North Bainbridge Well 06	4/30/2009	0	KPUD
North Bainbridge Well 06	5/31/2009	0	KPUD
North Bainbridge Well 06	6/30/2009	1167400	KPUD
North Bainbridge Well 06	7/31/2009	2404000	KPUD
North Bainbridge Well 06	8/31/2009	0	KPUD
North Bainbridge Well 06	9/30/2009	0	KPUD
North Bainbridge Well 06	10/31/2009	0	KPUD
North Bainbridge Well 06	11/30/2009	0	KPUD
North Bainbridge Well 06	12/30/2009	437770	KPUD
North Bainbridge Well 06	1/29/2010	387910	KPUD
North Bainbridge Well 06	2/26/2010	396820	KPUD
North Bainbridge Well 06	3/31/2010	0	KPUD
North Bainbridge Well 06	4/30/2010	4900	KPUD
North Bainbridge Well 06	5/31/2010	0	KPUD
North Bainbridge Well 06	6/25/2010	580850	KPUD
North Bainbridge Well 06	7/30/2010	2399520	KPUD
North Bainbridge Well 06	8/30/2010	1973280	KPUD

Production Well	Measurement Date	Production Voulme	Technician
North Bainbridge Well 06	9/29/2010	775860	KPUD
North Bainbridge Well 06	10/29/2010	529620	KPUD
North Bainbridge Well 06	11/29/2010	442370	KPUD
North Bainbridge Well 06	12/31/2010	0	KPUD
North Bainbridge Well 06	1/31/2011	0	KPUD
North Bainbridge Well 06	2/28/2011	0	KPUD
North Bainbridge Well 06	3/30/2011	396560	KPUD
North Bainbridge Well 06	4/26/2011	436440	KPUD
North Bainbridge Well 06	5/30/2011	647390	KPUD
North Bainbridge Well 06	6/29/2011	850870	KPUD
North Bainbridge Well 06	7/28/2011	1461860	KPUD
North Bainbridge Well 06	8/31/2011	0	KPUD
North Bainbridge Well 06	9/30/2011	0	KPUD
North Bainbridge Well 06	10/31/2011	0	KPUD
North Bainbridge Well 06	11/30/2011	0	KPUD
North Bainbridge Well 06	12/30/2011	418910	KPUD
North Bainbridge Well 06	1/25/2012	553850	KPUD
North Bainbridge Well 06	2/29/2012	0	KPUD
North Bainbridge Well 06	3/30/2012	473600	KPUD
North Bainbridge Well 06	4/30/2012	0	KPUD
North Bainbridge Well 06	5/30/2012	840510	KPUD
North Bainbridge Well 06	6/29/2012	930560	KPUD
North Bainbridge Well 06	7/30/2012	1570800	KPUD
North Bainbridge Well 06	8/31/2012	0	KPUD
North Bainbridge Well 06	9/28/2012	1694480	KPUD
North Bainbridge Well 06	10/31/2012	0	KPUD
North Bainbridge Well 06	11/30/2012	0	KPUD
North Bainbridge Well 06	12/31/2012	0	KPUD
North Bainbridge Well 06	1/30/2013	449530	KPUD
North Bainbridge Well 06	2/27/2013	434110	KPUD
North Bainbridge Well 06	3/29/2013	507880	KPUD
North Bainbridge Well 06	4/29/2013	554600	KPUD
North Bainbridge Well 06	5/31/2013	0	KPUD
North Bainbridge Well 06	6/28/2013	1464270	KPUD
North Bainbridge Well 06	7/31/2013	0	KPUD
North Bainbridge Well 06	8/30/2013	1282480	KPUD
North Bainbridge Well 06	9/30/2013	0	KPUD
North Bainbridge Well 06	10/30/2013	552740	KPUD
North Bainbridge Well 06	11/29/2013	491520	KPUD
North Bainbridge Well 06	12/30/2013	537990	KPUD
North Bainbridge Well 06	1/31/2014	0	KPUD
North Bainbridge Well 06	2/28/2014	0	KPUD
North Bainbridge Well 06	3/31/2014	0	KPUD
North Bainbridge Well 06	4/30/2014	0	KPUD
North Bainbridge Well 06	5/30/2014	1138870	KPUD
North Bainbridge Well 06	6/30/2014	0	KPUD
North Bainbridge Well 06	7/29/2014	2522140	KPUD
North Bainbridge Well 06	8/30/2014	2200280	KPUD
North Bainbridge Well 06	9/29/2014	1349300	KPUD
North Bainbridge Well 06	10/31/2014	0	KPUD
North Bainbridge Well 06	11/28/2014	465790	KPUD

Production Well	Measurement Date	Production Voulme	Technician
North Bainbridge Well 06	12/31/2014	0	KPUD
North Bainbridge Well 06	1/30/2015	505900	KPUD
North Bainbridge Well 06	2/27/2015	459730	KPUD
North Bainbridge Well 06	3/30/2015	547200	KPUD
North Bainbridge Well 06	4/29/2015	612180	KPUD
North Bainbridge Well 06	5/29/2015	1215870	KPUD
North Bainbridge Well 06	6/24/2015	2090940	KPUD
North Bainbridge Well 06	7/31/2015	0	KPUD
North Bainbridge Well 06	8/31/2015	0	KPUD
North Bainbridge Well 06	9/30/2015	0	KPUD
North Bainbridge Well 06	10/31/2015	0	KPUD
North Bainbridge Well 06	11/30/2015	0	KPUD
North Bainbridge Well 06	12/31/2015	0	KPUD
North Bainbridge Well 06	1/31/2016	0	KPUD
North Bainbridge Well 06	2/29/2016	0	KPUD
North Bainbridge Well 06	3/31/2016	0	KPUD
North Bainbridge Well 06	4/30/2016	0	KPUD
North Bainbridge Well 06	5/31/2016	0	KPUD
North Bainbridge Well 06	6/30/2016	0	KPUD
North Bainbridge Well 06	7/31/2016	0	KPUD
North Bainbridge Well 06	8/31/2016	0	KPUD
North Bainbridge Well 06	9/30/2016	0	KPUD
North Bainbridge Well 06	10/31/2016	0	KPUD
North Bainbridge Well 06	11/30/2016	0	KPUD
North Bainbridge Well 06	12/31/2016	0	KPUD
North Bainbridge Well 06	1/31/2017	487150	KPUD
North Bainbridge Well 06	2/28/2017	0	KPUD
North Bainbridge Well 06	3/31/2017	550400	KPUD
North Bainbridge Well 06	4/30/2017	442680	KPUD
North Bainbridge Well 06	5/31/2017	1225520	KPUD
North Bainbridge Well 06	6/30/2017	1597380	KPUD
North Bainbridge Well 06	7/31/2017	2867250	KPUD
North Bainbridge Well 06	8/31/2017	2859040	KPUD
North Bainbridge Well 06	9/30/2017	1703690	KPUD
North Bainbridge Well 06	10/31/2017	674580	KPUD
North Bainbridge Well 06	11/30/2017	511040	KPUD
North Bainbridge Well 06	12/31/2017	448030	KPUD
North Bainbridge Well 06	1/31/2018	822510	KPUD
North Bainbridge Well 06	1/31/2019	1307300	KPUD
North Bainbridge Well 06	2/28/2019	459400	KPUD
North Bainbridge Well 06	3/31/2019	2500	KPUD
North Bainbridge Well 06	4/30/2019	1200	KPUD
North Bainbridge Well 06	5/31/2019	0	KPUD
North Bainbridge Well 06	6/30/2019	3000	KPUD
North Bainbridge Well 06	7/31/2019	2018600	KPUD
North Bainbridge Well 06	8/31/2019	2999400	KPUD
North Bainbridge Well 06	9/30/2019	1863600	KPUD
North Bainbridge Well 06	10/31/2019	1288800	KPUD
North Bainbridge Well 06	11/30/2019	1168300	KPUD
North Bainbridge Well 06	12/31/2019	1188700	KPUD
North Bainbridge Well 06	1/31/2020	734600	KPUD

Production Well	Measurement Date	Production Voulme	Technician
North Bainbridge Well 06	2/29/2020	1046700	KPUD
North Bainbridge Well 06	3/31/2020	1264900	KPUD
North Bainbridge Well 06	4/30/2020	1567000	KPUD
North Bainbridge Well 06	5/31/2020	1806400	KPUD
North Bainbridge Well 06	6/30/2020	122100	KPUD
North Bainbridge Well 06	7/31/2020	0	KPUD
North Bainbridge Well 06	8/31/2020	0	KPUD
North Bainbridge Well 06	9/30/2020	0	KPUD
North Bainbridge Well 06	10/31/2020	0	KPUD
North Bainbridge Well 06	11/30/2020	1222400	KPUD
North Bainbridge Well 06	12/31/2020	1335400	KPUD
North Bainbridge Well 06	1/31/2021	1333400	KPUD
North Bainbridge Well 06	2/28/2021	1167500	KPUD
North Bainbridge Well 06	3/31/2021	0	KPUD
North Bainbridge Well 06	4/30/2021	3393800	KPUD
North Bainbridge Well 06	5/31/2021	3020000	KPUD
North Bainbridge Well 06	6/30/2021	2690900	KPUD
North Bainbridge Well 06	7/31/2021	0	KPUD
North Bainbridge Well 06	8/31/2021	0	KPUD
North Bainbridge Well 06	9/30/2021	0	KPUD
North Bainbridge Well 06	10/31/2021	1088800	KPUD
North Bainbridge Well 06	11/30/2021	1045600	KPUD
North Bainbridge Well 06	12/31/2021	1071900	KPUD
North Bainbridge Well 07	3/31/1987	0	KPUD
North Bainbridge Well 07	4/30/1987	94500	KPUD
North Bainbridge Well 07	5/31/1987	523000	KPUD
North Bainbridge Well 07	6/30/1987	4130800	KPUD
North Bainbridge Well 07	7/31/1987	1447000	KPUD
North Bainbridge Well 07	8/31/1987	3025000	KPUD
North Bainbridge Well 07	9/30/1987	883100	KPUD
North Bainbridge Well 07	10/31/1987	0	KPUD
North Bainbridge Well 07	11/30/1987	0	KPUD
North Bainbridge Well 07	12/31/1987	0	KPUD
North Bainbridge Well 07	1/31/1988	0	KPUD
North Bainbridge Well 07	2/29/1988	0	KPUD
North Bainbridge Well 07	3/31/1988	0	KPUD
North Bainbridge Well 07	4/30/1988	0	KPUD
North Bainbridge Well 07	5/31/1988	0	KPUD
North Bainbridge Well 07	6/30/1988	0	KPUD
North Bainbridge Well 07	7/31/1988	3311100	KPUD
North Bainbridge Well 07	8/31/1988	6204800	KPUD
North Bainbridge Well 07	9/30/1988	2937500	KPUD
North Bainbridge Well 07	10/31/1988	132200	KPUD
North Bainbridge Well 07	11/30/1988	892000	KPUD
North Bainbridge Well 07	12/31/1988	211500	KPUD
North Bainbridge Well 07	1/31/1989	226000	KPUD
North Bainbridge Well 07	2/28/1989	1532400	KPUD
North Bainbridge Well 07	3/31/1989	886600	KPUD
North Bainbridge Well 07	4/30/1989	699700	KPUD
North Bainbridge Well 07	5/31/1989	3933600	KPUD
North Bainbridge Well 07	6/30/1989	3398200	KPUD

Production Well	Measurement Date	Production Voulme	Technician
North Bainbridge Well 07	7/31/1989	4596400	KPUD
North Bainbridge Well 07	8/31/1989	7222100	KPUD
North Bainbridge Well 07	9/30/1989	5216400	KPUD
North Bainbridge Well 07	10/31/1989	277400	KPUD
North Bainbridge Well 07	11/30/1989	124900	KPUD
North Bainbridge Well 07	12/31/1989	1190000	KPUD
North Bainbridge Well 07	1/31/1990	1141000	KPUD
North Bainbridge Well 07	2/28/1990	5796500	KPUD
North Bainbridge Well 07	3/31/1990	7049900	KPUD
North Bainbridge Well 07	4/30/1990	7692700	KPUD
North Bainbridge Well 07	5/31/1990	9677600	KPUD
North Bainbridge Well 07	6/30/1990	4569300	KPUD
North Bainbridge Well 07	7/31/1990	6848700	KPUD
North Bainbridge Well 07	8/31/1990	8291500	KPUD
North Bainbridge Well 07	9/30/1990	4998200	KPUD
North Bainbridge Well 07	10/31/1990	934100	KPUD
North Bainbridge Well 07	11/30/1990	1019600	KPUD
North Bainbridge Well 07	12/31/1990	4668000	KPUD
North Bainbridge Well 07	1/31/1991	790300	KPUD
North Bainbridge Well 07	2/28/1991	1183700	KPUD
North Bainbridge Well 07	4/30/1991	0	KPUD
North Bainbridge Well 07	5/31/1991	0	KPUD
North Bainbridge Well 07	6/30/1991	0	KPUD
North Bainbridge Well 07	7/31/1991	0	KPUD
North Bainbridge Well 07	8/31/1991	206160	KPUD
North Bainbridge Well 07	9/30/1991	145440	KPUD
North Bainbridge Well 07	10/31/1991	480	KPUD
North Bainbridge Well 07	11/30/1991	757900	KPUD
North Bainbridge Well 07	12/31/1991	340700	KPUD
North Bainbridge Well 07	1/31/1992	411200	KPUD
North Bainbridge Well 07	2/29/1992	3235400	KPUD
North Bainbridge Well 07	3/31/1992	1740400	KPUD
North Bainbridge Well 07	4/30/1992	3807300	KPUD
North Bainbridge Well 07	5/31/1992	6459500	KPUD
North Bainbridge Well 07	6/30/1992	4247600	KPUD
North Bainbridge Well 07	7/31/1992	6800400	KPUD
North Bainbridge Well 07	8/31/1992	8000000	KPUD
North Bainbridge Well 07	9/30/1992	4374900	KPUD
North Bainbridge Well 07	10/31/1992	4485500	KPUD
North Bainbridge Well 07	11/30/1992	3776500	KPUD
North Bainbridge Well 07	12/31/1992	8607300	KPUD
North Bainbridge Well 07	1/31/1993	3745500	KPUD
North Bainbridge Well 07	2/28/1993	5344000	KPUD
North Bainbridge Well 07	3/31/1993	8051600	KPUD
North Bainbridge Well 07	4/30/1993	4943700	KPUD
North Bainbridge Well 07	5/31/1993	6440200	KPUD
North Bainbridge Well 07	6/30/1993	8421933	KPUD
North Bainbridge Well 07	7/31/1993	4514300	KPUD
North Bainbridge Well 07	8/31/1993	7449800	KPUD
North Bainbridge Well 07	9/30/1993	10034000	KPUD
North Bainbridge Well 07	10/31/1993	6323500	KPUD

Production Well	Measurement Date	Production Voulme	Technician
North Bainbridge Well 07	11/30/1993	2880800	KPUD
North Bainbridge Well 07	12/31/1993	2335400	KPUD
North Bainbridge Well 07	1/31/1994	6168700	KPUD
North Bainbridge Well 07	2/28/1994	7300000	KPUD
North Bainbridge Well 07	3/31/1994	7300000	KPUD
North Bainbridge Well 07	4/30/1994	2980800	KPUD
North Bainbridge Well 07	5/31/1994	7414300	KPUD
North Bainbridge Well 07	6/30/1994	7956000	KPUD
North Bainbridge Well 07	7/31/1994	9195600	KPUD
North Bainbridge Well 07	8/31/1994	8154100	KPUD
North Bainbridge Well 07	9/30/1994	8746300	KPUD
North Bainbridge Well 07	10/31/1994	4521100	KPUD
North Bainbridge Well 07	11/30/1994	2704400	KPUD
North Bainbridge Well 07	12/31/1994	1624800	KPUD
North Bainbridge Well 07	1/31/1995	6000000	KPUD
North Bainbridge Well 07	2/28/1995	6000000	KPUD
North Bainbridge Well 07	3/31/1995	8140000	KPUD
North Bainbridge Well 07	4/30/1995	7612000	KPUD
North Bainbridge Well 07	5/31/1995	4000000	KPUD
North Bainbridge Well 07	6/30/1995	4000000	KPUD
North Bainbridge Well 07	7/31/1995	3967600	KPUD
North Bainbridge Well 07	8/31/1995	3566400	KPUD
North Bainbridge Well 07	9/30/1995	1673000	KPUD
North Bainbridge Well 07	10/31/1995	569000	KPUD
North Bainbridge Well 07	11/30/1995	377800	KPUD
North Bainbridge Well 07	12/31/1995	612200	KPUD
North Bainbridge Well 07	1/31/1996	0	KPUD
North Bainbridge Well 07	2/29/1996	0	KPUD
North Bainbridge Well 07	3/31/1996	0	KPUD
North Bainbridge Well 07	4/30/1996	5000000	KPUD
North Bainbridge Well 07	5/31/1996	0	KPUD
North Bainbridge Well 07	6/30/1996	5936876	KPUD
North Bainbridge Well 07	7/31/1996	0	KPUD
North Bainbridge Well 07	8/31/1996	2992000	KPUD
North Bainbridge Well 07	9/30/1996	3175260	KPUD
North Bainbridge Well 07	10/31/1996	5736412	KPUD
North Bainbridge Well 07	11/30/1996	2984520	KPUD
North Bainbridge Well 07	12/31/1996	2927672	KPUD
North Bainbridge Well 07	1/31/1997	3244824	KPUD
North Bainbridge Well 07	2/28/1997	2692800	KPUD
North Bainbridge Well 07	3/31/1997	2873068	KPUD
North Bainbridge Well 07	4/30/1997	3074280	KPUD
North Bainbridge Well 07	5/31/1997	3752716	KPUD
North Bainbridge Well 07	6/30/1997	4072112	KPUD
North Bainbridge Well 07	7/31/1997	3962156	KPUD
North Bainbridge Well 07	8/31/1997	4766256	KPUD
North Bainbridge Well 07	9/30/1997	3607604	KPUD
North Bainbridge Well 07	10/31/1997	2725712	KPUD
North Bainbridge Well 07	11/30/1997	2647172	KPUD
North Bainbridge Well 07	12/31/1997	2798268	KPUD
North Bainbridge Well 07	1/31/1998	2643432	KPUD

Production Well	Measurement Date	Production Voulme	Technician
North Bainbridge Well 07	2/28/1998	2375648	KPUD
North Bainbridge Well 07	3/31/1998	2594064	KPUD
North Bainbridge Well 07	4/30/1998	2606032	KPUD
North Bainbridge Well 07	5/31/1998	3368992	KPUD
North Bainbridge Well 07	6/30/1998	3573944	KPUD
North Bainbridge Well 07	7/31/1998	4609924	KPUD
North Bainbridge Well 07	8/31/1998	4851528	KPUD
North Bainbridge Well 07	9/30/1998	3927000	KPUD
North Bainbridge Well 07	10/31/1998	2920940	KPUD
North Bainbridge Well 07	11/30/1998	2579852	KPUD
North Bainbridge Well 07	12/31/1998	2602292	KPUD
North Bainbridge Well 07	1/31/1999	2477376	KPUD
North Bainbridge Well 07	2/28/1999	2451944	KPUD
North Bainbridge Well 07	3/31/1999	2547688	KPUD
North Bainbridge Well 07	4/30/1999	2431000	KPUD
North Bainbridge Well 07	5/31/1999	3075028	KPUD
North Bainbridge Well 07	6/30/1999	3624808	KPUD
North Bainbridge Well 07	7/31/1999	3975620	KPUD
North Bainbridge Well 07	8/31/1999	4093056	KPUD
North Bainbridge Well 07	9/30/1999	3972628	KPUD
North Bainbridge Well 07	10/31/1999	2799764	KPUD
North Bainbridge Well 07	11/30/1999	2554420	KPUD
North Bainbridge Well 07	12/31/1999	2530484	KPUD
North Bainbridge Well 07	1/31/2000	2436984	KPUD
North Bainbridge Well 07	2/29/2000	2252228	KPUD
North Bainbridge Well 07	3/31/2000	2574616	KPUD
North Bainbridge Well 07	4/30/2000	2614260	KPUD
North Bainbridge Well 07	5/31/2000	2295612	KPUD
North Bainbridge Well 07	6/30/2000	3013692	KPUD
North Bainbridge Well 07	7/31/2000	5334736	KPUD
North Bainbridge Well 07	8/31/2000	5237496	KPUD
North Bainbridge Well 07	9/30/2000	4010028	KPUD
North Bainbridge Well 07	10/31/2000	2981528	KPUD
North Bainbridge Well 07	11/30/2000	2375648	KPUD
North Bainbridge Well 07	12/31/2000	2590324	KPUD
North Bainbridge Well 07	1/31/2001	2451196	KPUD
North Bainbridge Well 07	2/28/2001	2297108	KPUD
North Bainbridge Well 07	3/31/2001	2524500	KPUD
North Bainbridge Well 07	4/30/2001	2634456	KPUD
North Bainbridge Well 07	5/31/2001	3277736	KPUD
North Bainbridge Well 07	6/30/2001	3475956	KPUD
North Bainbridge Well 07	7/31/2001	5233756	KPUD
North Bainbridge Well 07	8/31/2001	5881524	KPUD
North Bainbridge Well 07	9/30/2001	4290528	KPUD
North Bainbridge Well 07	10/31/2001	2875312	KPUD
North Bainbridge Well 07	11/30/2001	2698784	KPUD
North Bainbridge Well 07	12/31/2001	2772088	KPUD
North Bainbridge Well 07	1/31/2002	2595560	KPUD
North Bainbridge Well 07	2/28/2002	2500564	KPUD
North Bainbridge Well 07	3/31/2002	2767600	KPUD
North Bainbridge Well 07	4/30/2002	2748152	KPUD

Production Well	Measurement Date	Production Voulme	Technician
North Bainbridge Well 07	5/31/2002	3395172	KPUD
North Bainbridge Well 07	6/30/2002	4989908	KPUD
North Bainbridge Well 07	7/31/2002	5541932	KPUD
North Bainbridge Well 07	8/31/2002	5808220	KPUD
North Bainbridge Well 07	9/30/2002	6058052	KPUD
North Bainbridge Well 07	10/31/2002	3145340	KPUD
North Bainbridge Well 07	11/30/2002	2659888	KPUD
North Bainbridge Well 07	12/31/2002	3030896	KPUD
North Bainbridge Well 07	1/31/2003	2837164	KPUD
North Bainbridge Well 07	2/28/2003	3226124	KPUD
North Bainbridge Well 07	3/31/2003	2668116	KPUD
North Bainbridge Well 07	4/30/2003	2790040	KPUD
North Bainbridge Well 07	5/31/2003	3990580	KPUD
North Bainbridge Well 07	6/30/2003	6114900	KPUD
North Bainbridge Well 07	7/31/2003	6673656	KPUD
North Bainbridge Well 07	8/31/2003	8125524	KPUD
North Bainbridge Well 07	9/30/2003	4454340	KPUD
North Bainbridge Well 07	10/31/2003	3229864	KPUD
North Bainbridge Well 07	11/30/2003	2980032	KPUD
North Bainbridge Well 07	12/31/2003	2479620	KPUD
North Bainbridge Well 07	1/31/2004	4036956	KPUD
North Bainbridge Well 07	2/29/2004	4200768	KPUD
North Bainbridge Well 07	3/31/2004	3016684	KPUD
North Bainbridge Well 07	4/30/2004	2888776	KPUD
North Bainbridge Well 07	5/31/2004	3203684	KPUD
North Bainbridge Well 07	6/30/2004	4769996	KPUD
North Bainbridge Well 07	7/31/2004	5648148	KPUD
North Bainbridge Well 07	8/31/2004	4995892	KPUD
North Bainbridge Well 07	9/30/2004	2766852	KPUD
North Bainbridge Well 07	10/31/2004	2794528	KPUD
North Bainbridge Well 07	11/30/2004	418132	KPUD
North Bainbridge Well 07	12/30/2004	2992	KPUD
North Bainbridge Well 07	1/31/2005	1206700	KPUD
North Bainbridge Well 07	2/28/2005	2070300	KPUD
North Bainbridge Well 07	3/30/2005	1945700	KPUD
North Bainbridge Well 07	4/29/2005	1883600	KPUD
North Bainbridge Well 07	5/31/2005	2471400	KPUD
North Bainbridge Well 07	7/1/2005	1792800	KPUD
North Bainbridge Well 07	7/29/2005	3370500	KPUD
North Bainbridge Well 07	8/31/2005	4934200	KPUD
North Bainbridge Well 07	9/30/2005	2855200	KPUD
North Bainbridge Well 07	10/31/2005	1875300	KPUD
North Bainbridge Well 07	11/30/2005	1738800	KPUD
North Bainbridge Well 07	12/29/2005	989900	KPUD
North Bainbridge Well 07	1/31/2006	2100000	KPUD
North Bainbridge Well 07	2/28/2006	1607600	KPUD
North Bainbridge Well 07	3/31/2006	1791800	KPUD
North Bainbridge Well 07	4/30/2006	0	KPUD
North Bainbridge Well 07	5/31/2006	0	KPUD
North Bainbridge Well 07	6/30/2006	0	KPUD
North Bainbridge Well 07	7/31/2006	0	KPUD

Production Well	Measurement Date	Production Voulme	Technician
North Bainbridge Well 07	8/31/2006	0	KPUD
North Bainbridge Well 07	9/30/2006	0	KPUD
North Bainbridge Well 07	10/31/2006	2317100	KPUD
North Bainbridge Well 07	11/30/2006	1535600	KPUD
North Bainbridge Well 07	12/31/2006	1996400	KPUD
North Bainbridge Well 07	1/31/2007	1939800	KPUD
North Bainbridge Well 07	2/28/2007	1525000	KPUD
North Bainbridge Well 07	3/31/2007	1738200	KPUD
North Bainbridge Well 07	4/30/2007	1895900	KPUD
North Bainbridge Well 07	5/31/2007	2601200	KPUD
North Bainbridge Well 07	6/30/2007	3034900	KPUD
North Bainbridge Well 07	7/31/2007	4244400	KPUD
North Bainbridge Well 07	8/31/2007	3814400	KPUD
North Bainbridge Well 07	9/30/2007	2895000	KPUD
North Bainbridge Well 07	10/31/2007	1882800	KPUD
North Bainbridge Well 07	11/30/2007	4357100	KPUD
North Bainbridge Well 07	12/31/2007	1939000	KPUD
North Bainbridge Well 07	1/31/2008	1899300	KPUD
North Bainbridge Well 07	2/29/2008	1976900	KPUD
North Bainbridge Well 07	3/31/2008	2020200	KPUD
North Bainbridge Well 07	4/30/2008	1787900	KPUD
North Bainbridge Well 07	5/31/2008	2634100	KPUD
North Bainbridge Well 07	6/30/2008	3458400	KPUD
North Bainbridge Well 07	7/31/2008	5539200	KPUD
North Bainbridge Well 07	8/31/2008	4294600	KPUD
North Bainbridge Well 07	9/30/2008	3402000	KPUD
North Bainbridge Well 07	10/31/2008	2098000	KPUD
North Bainbridge Well 07	11/30/2008	2098600	KPUD
North Bainbridge Well 07	12/31/2008	2231500	KPUD
North Bainbridge Well 07	1/31/2009	2013400	KPUD
North Bainbridge Well 07	2/28/2009	2000000	KPUD
North Bainbridge Well 07	3/31/2009	1891500	KPUD
North Bainbridge Well 07	4/30/2009	1965700	KPUD
North Bainbridge Well 07	5/31/2009	2524700	KPUD
North Bainbridge Well 07	6/30/2009	4526100	KPUD
North Bainbridge Well 07	7/31/2009	5653500	KPUD
North Bainbridge Well 07	8/31/2009	4659500	KPUD
North Bainbridge Well 07	9/30/2009	3090500	KPUD
North Bainbridge Well 07	10/31/2009	2283700	KPUD
North Bainbridge Well 07	11/30/2009	1924800	KPUD
North Bainbridge Well 07	12/31/2009	2066300	KPUD
North Bainbridge Well 07	1/31/2010	1898400	KPUD
North Bainbridge Well 07	2/28/2010	1762700	KPUD
North Bainbridge Well 07	3/31/2010	1814300	KPUD
North Bainbridge Well 07	4/30/2010	1597600	KPUD
North Bainbridge Well 07	5/31/2010	100	KPUD
North Bainbridge Well 07	6/30/2010	2338000	KPUD
North Bainbridge Well 07	7/31/2010	5147800	KPUD
North Bainbridge Well 07	8/31/2010	5084000	KPUD
North Bainbridge Well 07	9/30/2010	3083800	KPUD
North Bainbridge Well 07	10/31/2010	2462100	KPUD

Production Well	Measurement Date	Production Voulme	Technician
North Bainbridge Well 07	11/30/2010	2373600	KPUD
North Bainbridge Well 07	12/31/2010	2436100	KPUD
North Bainbridge Well 07	1/31/2011	2330800	KPUD
North Bainbridge Well 07	2/28/2011	2017200	KPUD
North Bainbridge Well 07	3/31/2011	2115800	KPUD
North Bainbridge Well 07	4/30/2011	2125500	KPUD
North Bainbridge Well 07	5/31/2011	2395300	KPUD
North Bainbridge Well 07	6/30/2011	2997400	KPUD
North Bainbridge Well 07	7/31/2011	4035800	KPUD
North Bainbridge Well 07	8/31/2011	4664100	KPUD
North Bainbridge Well 07	9/30/2011	3934100	KPUD
North Bainbridge Well 07	10/31/2011	2879300	KPUD
North Bainbridge Well 07	11/30/2011	2143000	KPUD
North Bainbridge Well 07	12/31/2011	2128900	KPUD
North Bainbridge Well 07	1/31/2012	2124100	KPUD
North Bainbridge Well 07	2/29/2012	1929100	KPUD
North Bainbridge Well 07	3/31/2012	2211100	KPUD
North Bainbridge Well 07	4/30/2012	2294500	KPUD
North Bainbridge Well 07	5/31/2012	2935200	KPUD
North Bainbridge Well 07	6/30/2012	2692800	KPUD
North Bainbridge Well 07	7/31/2012	3643700	KPUD
North Bainbridge Well 07	8/31/2012	5195100	KPUD
North Bainbridge Well 07	9/30/2012	4298600	KPUD
North Bainbridge Well 07	10/31/2012	3018400	KPUD
North Bainbridge Well 07	11/30/2012	2116100	KPUD
North Bainbridge Well 07	12/31/2012	2099400	KPUD
North Bainbridge Well 07	1/31/2013	2040000	KPUD
North Bainbridge Well 07	2/28/2013	1780300	KPUD
North Bainbridge Well 07	3/31/2013	2374900	KPUD
North Bainbridge Well 07	4/30/2013	2140000	KPUD
North Bainbridge Well 07	5/31/2013	3314600	KPUD
North Bainbridge Well 07	6/30/2013	7246200	KPUD
North Bainbridge Well 07	7/31/2013	8919500	KPUD
North Bainbridge Well 07	8/31/2013	5982700	KPUD
North Bainbridge Well 07	9/30/2013	3099000	KPUD
North Bainbridge Well 07	10/31/2013	2606100	KPUD
North Bainbridge Well 07	11/30/2013	2384500	KPUD
North Bainbridge Well 07	12/31/2013	2483500	KPUD
North Bainbridge Well 07	1/31/2014	2363300	KPUD
North Bainbridge Well 07	2/28/2014	2113100	KPUD
North Bainbridge Well 07	3/31/2014	2585200	KPUD
North Bainbridge Well 07	4/30/2014	2782800	KPUD
North Bainbridge Well 07	5/31/2014	3552800	KPUD
North Bainbridge Well 07	6/30/2014	4374000	KPUD
North Bainbridge Well 07	7/31/2014	6160700	KPUD
North Bainbridge Well 07	8/31/2014	5888200	KPUD
North Bainbridge Well 07	9/30/2014	3969600	KPUD
North Bainbridge Well 07	10/31/2014	2853100	KPUD
North Bainbridge Well 07	11/30/2014	2150900	KPUD
North Bainbridge Well 07	12/31/2014	2634000	KPUD
North Bainbridge Well 07	1/31/2015	2334800	KPUD

Production Well	Measurement Date	Production Voulme	Technician
North Bainbridge Well 07	2/28/2015	0	KPUD
North Bainbridge Well 07	3/31/2015	0	KPUD
North Bainbridge Well 07	4/30/2015	0	KPUD
North Bainbridge Well 07	5/31/2015	3609000	KPUD
North Bainbridge Well 07	6/30/2015	5500300	KPUD
North Bainbridge Well 07	7/31/2015	6778000	KPUD
North Bainbridge Well 07	8/31/2015	5601100	KPUD
North Bainbridge Well 07	9/30/2015	3028800	KPUD
North Bainbridge Well 07	10/31/2015	2415800	KPUD
North Bainbridge Well 07	11/30/2015	2109500	KPUD
North Bainbridge Well 07	12/31/2015	2213500	KPUD
North Bainbridge Well 07	1/31/2016	2474400	KPUD
North Bainbridge Well 07	2/29/2016	1906000	KPUD
North Bainbridge Well 07	3/31/2016	2105900	KPUD
North Bainbridge Well 07	4/30/2016	2321200	KPUD
North Bainbridge Well 07	5/31/2016	3648300	KPUD
North Bainbridge Well 07	6/30/2016	4476400	KPUD
North Bainbridge Well 07	7/31/2016	5307800	KPUD
North Bainbridge Well 07	8/31/2016	5916300	KPUD
North Bainbridge Well 07	9/30/2016	3658700	KPUD
North Bainbridge Well 07	10/31/2016	2340800	KPUD
North Bainbridge Well 07	11/30/2016	2022500	KPUD
North Bainbridge Well 07	12/31/2016	2202500	KPUD
North Bainbridge Well 07	1/31/2017	3854600	KPUD
North Bainbridge Well 07	2/28/2017	0	KPUD
North Bainbridge Well 07	3/31/2017	5616200	KPUD
North Bainbridge Well 07	4/30/2017	4839500	KPUD
North Bainbridge Well 07	5/31/2017	2841300	KPUD
North Bainbridge Well 07	6/30/2017	4074800	KPUD
North Bainbridge Well 07	7/31/2017	6214900	KPUD
North Bainbridge Well 07	8/31/2017	6357200	KPUD
North Bainbridge Well 07	9/30/2017	4477500	KPUD
North Bainbridge Well 07	10/31/2017	2675000	KPUD
North Bainbridge Well 07	11/30/2017	2247400	KPUD
North Bainbridge Well 07	12/31/2017	2272300	KPUD
North Bainbridge Well 07	1/31/2018	2190400	KPUD
North Bainbridge Well 07	2/28/2018	1901500	KPUD
North Bainbridge Well 07	3/31/2018	2265200	KPUD
North Bainbridge Well 07	4/30/2018	2183500	KPUD
North Bainbridge Well 07	5/31/2018	3781000	KPUD
North Bainbridge Well 07	6/30/2018	4451400	KPUD
North Bainbridge Well 07	7/31/2018	6684900	KPUD
North Bainbridge Well 07	8/31/2018	6305700	KPUD
North Bainbridge Well 07	9/30/2018	3992200	KPUD
North Bainbridge Well 07	10/31/2018	2589700	KPUD
North Bainbridge Well 07	11/30/2018	2244800	KPUD
North Bainbridge Well 07	12/31/2018	2313200	KPUD
North Bainbridge Well 07	1/31/2019	2278800	KPUD
North Bainbridge Well 07	2/28/2019	2231500	KPUD
North Bainbridge Well 07	3/31/2019	2318200	KPUD
North Bainbridge Well 07	4/30/2019	2405500	KPUD

Production Well	Measurement Date	Production Voulme	Technician
North Bainbridge Well 07	5/31/2019	3992000	KPUD
North Bainbridge Well 07	6/30/2019	4926500	KPUD
North Bainbridge Well 07	7/31/2019	5173900	KPUD
North Bainbridge Well 07	8/31/2019	5177800	KPUD
North Bainbridge Well 07	9/30/2019	3224100	KPUD
North Bainbridge Well 07	10/31/2019	2241500	KPUD
North Bainbridge Well 07	11/30/2019	2039300	KPUD
North Bainbridge Well 07	12/31/2019	2075600	KPUD
North Bainbridge Well 07	1/31/2020	2145300	KPUD
North Bainbridge Well 07	2/29/2020	1827000	KPUD
North Bainbridge Well 07	3/31/2020	2208700	KPUD
North Bainbridge Well 07	4/30/2020	2759800	KPUD
North Bainbridge Well 07	5/31/2020	3495600	KPUD
North Bainbridge Well 07	6/30/2020	3462200	KPUD
North Bainbridge Well 07	7/31/2020	5216500	KPUD
North Bainbridge Well 07	8/31/2020	5725300	KPUD
North Bainbridge Well 07	9/30/2020	4638000	KPUD
North Bainbridge Well 07	10/31/2020	2621600	KPUD
North Bainbridge Well 07	11/30/2020	2445900	KPUD
North Bainbridge Well 07	12/31/2020	2337600	KPUD
North Bainbridge Well 07	1/31/2021	2337000	KPUD
North Bainbridge Well 07	2/28/2021	2051200	KPUD
North Bainbridge Well 07	3/31/2021	0	KPUD
North Bainbridge Well 07	4/30/2021	6876900	KPUD
North Bainbridge Well 07	5/31/2021	5407200	KPUD
North Bainbridge Well 07	6/30/2021	5657400	KPUD
North Bainbridge Well 07	7/31/2021	7683100	KPUD
North Bainbridge Well 07	8/31/2021	5784200	KPUD
North Bainbridge Well 07	9/30/2021	3811000	KPUD
North Bainbridge Well 07	10/31/2021	2614100	KPUD
North Bainbridge Well 07	11/30/2021	1885800	KPUD
North Bainbridge Well 07	12/31/2021	2017600	KPUD
North Bainbridge Well 08	12/31/1986	0	KPUD
North Bainbridge Well 08	1/31/1987	0	KPUD
North Bainbridge Well 08	2/28/1987	60	KPUD
North Bainbridge Well 08	3/31/1987	50	KPUD
North Bainbridge Well 08	4/30/1987	1008880	KPUD
North Bainbridge Well 08	5/31/1987	1266640	KPUD
North Bainbridge Well 08	6/30/1987	1054020	KPUD
North Bainbridge Well 08	7/31/1987	306690	KPUD
North Bainbridge Well 08	8/31/1987	141630	KPUD
North Bainbridge Well 08	9/30/1987	10	KPUD
North Bainbridge Well 08	10/31/1987	0	KPUD
North Bainbridge Well 08	11/30/1987	0	KPUD
North Bainbridge Well 08	12/31/1987	0	KPUD
North Bainbridge Well 08	1/31/1988	0	KPUD
North Bainbridge Well 08	2/29/1988	808230	KPUD
North Bainbridge Well 08	3/31/1988	0	KPUD
North Bainbridge Well 08	4/30/1988	0	KPUD
North Bainbridge Well 08	5/31/1988	0	KPUD
North Bainbridge Well 08	6/30/1988	1240350	KPUD

Production Well	Measurement Date	Production Voulme	Technician
North Bainbridge Well 08	7/31/1988	3991275	KPUD
North Bainbridge Well 08	8/31/1988	436830	KPUD
North Bainbridge Well 08	9/30/1988	7151175	KPUD
North Bainbridge Well 08	10/31/1988	824040	KPUD
North Bainbridge Well 08	11/30/1988	421730	KPUD
North Bainbridge Well 08	12/31/1988	563184	KPUD
North Bainbridge Well 08	1/31/1989	608879	KPUD
North Bainbridge Well 08	2/28/1989	515626	KPUD
North Bainbridge Well 08	3/31/1989	317481	KPUD
North Bainbridge Well 08	4/30/1989	282430	KPUD
North Bainbridge Well 08	5/31/1989	0	KPUD
North Bainbridge Well 08	6/30/1989	377875	KPUD
North Bainbridge Well 08	7/31/1989	0	KPUD
North Bainbridge Well 08	8/31/1989	611527	KPUD
North Bainbridge Well 08	9/30/1989	590389	KPUD
North Bainbridge Well 08	10/31/1989	462982	KPUD
North Bainbridge Well 08	11/30/1989	628365	KPUD
North Bainbridge Well 08	12/31/1989	5565	KPUD
North Bainbridge Well 08	1/31/1990	592580	KPUD
North Bainbridge Well 08	2/28/1990	34610	KPUD
North Bainbridge Well 08	3/31/1990	0	KPUD
North Bainbridge Well 08	4/30/1990	0	KPUD
North Bainbridge Well 08	5/31/1990	0	KPUD
North Bainbridge Well 08	6/30/1990	2274	KPUD
North Bainbridge Well 08	7/31/1990	239001	KPUD
North Bainbridge Well 08	8/31/1990	22896	KPUD
North Bainbridge Well 08	9/30/1990	6635	KPUD
North Bainbridge Well 08	10/31/1990	0	KPUD
North Bainbridge Well 08	11/30/1990	0	KPUD
North Bainbridge Well 08	12/31/1990	107107	KPUD
North Bainbridge Well 08	9/30/1991	4922	KPUD
North Bainbridge Well 08	10/31/1991	5460	KPUD
North Bainbridge Well 08	11/30/1991	6627	KPUD
North Bainbridge Well 08	12/31/1991	9051	KPUD
North Bainbridge Well 08	1/31/1992	5790	KPUD
North Bainbridge Well 08	2/29/1992	10584	KPUD
North Bainbridge Well 08	3/31/1992	4421	KPUD
North Bainbridge Well 08	4/30/1992	6283	KPUD
North Bainbridge Well 08	5/31/1992	5012	KPUD
North Bainbridge Well 08	6/30/1992	6000	KPUD
North Bainbridge Well 08	7/31/1992	7000	KPUD
North Bainbridge Well 08	8/31/1992	8782	KPUD
North Bainbridge Well 08	9/30/1992	3314	KPUD
North Bainbridge Well 08	10/31/1992	5797	KPUD
North Bainbridge Well 08	11/30/1992	6732	KPUD
North Bainbridge Well 08	12/31/1992	8482	KPUD
North Bainbridge Well 08	1/31/1993	3261	KPUD
North Bainbridge Well 08	2/28/1993	6979	KPUD
North Bainbridge Well 08	3/31/1993	7876	KPUD
North Bainbridge Well 08	4/30/1993	4017	KPUD
North Bainbridge Well 08	5/31/1993	6283	KPUD

Production Well	Measurement Date	Production Voulme	Technician
North Bainbridge Well 08	6/30/1993	8415	KPUD
North Bainbridge Well 08	7/31/1993	3710	KPUD
North Bainbridge Well 08	8/31/1993	5603	KPUD
North Bainbridge Well 08	9/30/1993	8101	KPUD
North Bainbridge Well 08	10/31/1993	4391	KPUD
North Bainbridge Well 08	11/30/1993	7465	KPUD
North Bainbridge Well 08	12/31/1993	7428	KPUD
North Bainbridge Well 08	1/31/1994	5393	KPUD
North Bainbridge Well 08	2/28/1994	4000	KPUD
North Bainbridge Well 08	3/31/1994	4000	KPUD
North Bainbridge Well 08	4/30/1994	3306	KPUD
North Bainbridge Well 08	5/31/1994	6508	KPUD
North Bainbridge Well 08	6/30/1994	1735	KPUD
North Bainbridge Well 08	7/31/1994	1511	KPUD
North Bainbridge Well 08	1/31/2001	8916	KPUD
North Bainbridge Well 08	2/28/2001	9238	KPUD
North Bainbridge Well 08	3/31/2001	6612	KPUD
North Bainbridge Well 08	4/30/2001	3762	KPUD
North Bainbridge Well 08	5/31/2001	7323	KPUD
North Bainbridge Well 08	6/30/2001	2184	KPUD
North Bainbridge Well 08	7/31/2001	415133	KPUD
North Bainbridge Well 08	8/31/2001	262466	KPUD
North Bainbridge Well 08	9/30/2001	691369	KPUD
North Bainbridge Well 08	10/31/2001	22388	KPUD
North Bainbridge Well 08	11/30/2001	3897	KPUD
North Bainbridge Well 08	12/31/2001	4510	KPUD
North Bainbridge Well 08	1/31/2002	4832	KPUD
North Bainbridge Well 08	2/28/2002	232276	KPUD
North Bainbridge Well 08	4/30/2002	0	KPUD
North Bainbridge Well 08	5/31/2002	0	KPUD
North Bainbridge Well 08	6/30/2002	0	KPUD
North Bainbridge Well 08	7/31/2002	0	KPUD
North Bainbridge Well 08	8/31/2002	0	KPUD
North Bainbridge Well 08	9/30/2002	0	KPUD
North Bainbridge Well 08	10/31/2002	0	KPUD
North Bainbridge Well 08	11/30/2002	0	KPUD
North Bainbridge Well 08	12/31/2002	0	KPUD
North Bainbridge Well 08	1/31/2003	0	KPUD
North Bainbridge Well 08	2/28/2003	0	KPUD
North Bainbridge Well 08	3/31/2003	0	KPUD
North Bainbridge Well 08	4/30/2003	0	KPUD
North Bainbridge Well 08	5/31/2003	0	KPUD
North Bainbridge Well 08	6/30/2003	0	KPUD
North Bainbridge Well 08	7/31/2003	0	KPUD
North Bainbridge Well 08	9/4/2003	536107	KPUD
North Bainbridge Well 08	9/19/2003	582714	KPUD
North Bainbridge Well 08	10/30/2003	2207	KPUD
North Bainbridge Well 08	11/30/2003	0	KPUD
North Bainbridge Well 08	12/31/2003	0	KPUD
North Bainbridge Well 08	1/31/2004	479131	KPUD
North Bainbridge Well 08	2/29/2004	0	KPUD

Production Well	Measurement Date	Production Voulme	Technician
North Bainbridge Well 08	3/31/2004	0	KPUD
North Bainbridge Well 08	4/30/2004	0	KPUD
North Bainbridge Well 08	5/31/2004	0	KPUD
North Bainbridge Well 08	6/30/2004	1820707	KPUD
North Bainbridge Well 08	8/2/2004	2250994	KPUD
North Bainbridge Well 08	9/30/2004	0	KPUD
North Bainbridge Well 08	10/31/2004	0	KPUD
North Bainbridge Well 08	11/30/2004	0	KPUD
North Bainbridge Well 08	12/31/2004	0	KPUD
North Bainbridge Well 08	1/31/2005	0	KPUD
North Bainbridge Well 08	2/28/2005	0	KPUD
North Bainbridge Well 08	3/31/2005	0	KPUD
North Bainbridge Well 08	4/30/2005	0	KPUD
North Bainbridge Well 08	5/31/2005	0	KPUD
North Bainbridge Well 08	6/30/2005	0	KPUD
North Bainbridge Well 08	7/31/2005	0	KPUD
North Bainbridge Well 08	8/31/2005	0	KPUD
North Bainbridge Well 08	9/30/2005	0	KPUD
North Bainbridge Well 08	10/31/2005	0	KPUD
North Bainbridge Well 08	11/30/2005	0	KPUD
North Bainbridge Well 08	12/31/2005	0	KPUD
North Bainbridge Well 08	1/31/2006	0	KPUD
North Bainbridge Well 08	2/28/2006	0	KPUD
North Bainbridge Well 08	3/31/2006	0	KPUD
North Bainbridge Well 08	4/30/2006	0	KPUD
North Bainbridge Well 08	5/31/2006	0	KPUD
North Bainbridge Well 08	6/30/2006	0	KPUD
North Bainbridge Well 08	7/31/2006	0	KPUD
North Bainbridge Well 08	8/31/2006	0	KPUD
North Bainbridge Well 08	9/30/2006	0	KPUD
North Bainbridge Well 08	10/31/2006	0	KPUD
North Bainbridge Well 08	11/30/2006	0	KPUD
North Bainbridge Well 08	12/31/2006	0	KPUD
North Bainbridge Well 09	11/30/1994	4222000	KPUD
North Bainbridge Well 09	12/31/1994	6417000	KPUD
North Bainbridge Well 09	1/31/1995	3455000	KPUD
North Bainbridge Well 09	2/28/1995	3244000	KPUD
North Bainbridge Well 09	3/31/1995	7112000	KPUD
North Bainbridge Well 09	4/30/1995	6037000	KPUD
North Bainbridge Well 09	5/31/1995	11182000	KPUD
North Bainbridge Well 09	6/30/1995	3325000	KPUD
North Bainbridge Well 09	7/31/1995	16730000	KPUD
North Bainbridge Well 09	8/31/1995	9276000	KPUD
North Bainbridge Well 09	9/30/1995	5559000	KPUD
North Bainbridge Well 09	10/31/1995	7712000	KPUD
North Bainbridge Well 09	11/30/1995	7717000	KPUD
North Bainbridge Well 09	12/31/1995	7463000	KPUD
North Bainbridge Well 09	1/31/1996	8877000	KPUD
North Bainbridge Well 09	2/29/1996	7051000	KPUD
North Bainbridge Well 09	3/31/1996	7356000	KPUD
North Bainbridge Well 09	4/30/1996	6633000	KPUD

Production Well	Measurement Date	Production Voulme	Technician
North Bainbridge Well 09	5/31/1996	9386000	KPUD
North Bainbridge Well 09	6/30/1996	10060000	KPUD
North Bainbridge Well 09	7/31/1996	11109000	KPUD
North Bainbridge Well 09	8/31/1996	11890000	KPUD
North Bainbridge Well 09	9/30/1996	5300000	KPUD
North Bainbridge Well 09	10/31/1996	1970000	KPUD
North Bainbridge Well 09	11/30/1996	4338000	KPUD
North Bainbridge Well 09	12/31/1996	4593000	KPUD
North Bainbridge Well 09	1/31/1997	5132000	KPUD
North Bainbridge Well 09	2/28/1997	4412000	KPUD
North Bainbridge Well 09	3/31/1997	4910000	KPUD
North Bainbridge Well 09	4/30/1997	5108000	KPUD
North Bainbridge Well 09	5/31/1997	6527000	KPUD
North Bainbridge Well 09	6/30/1997	6667000	KPUD
North Bainbridge Well 09	7/31/1997	6951000	KPUD
North Bainbridge Well 09	8/31/1997	8347000	KPUD
North Bainbridge Well 09	9/30/1997	6005000	KPUD
North Bainbridge Well 09	10/31/1997	4714000	KPUD
North Bainbridge Well 09	11/30/1997	4581000	KPUD
North Bainbridge Well 09	12/31/1997	4831000	KPUD
North Bainbridge Well 09	1/31/1998	4560000	KPUD
North Bainbridge Well 09	2/28/1998	4564000	KPUD
North Bainbridge Well 09	3/31/1998	5659000	KPUD
North Bainbridge Well 09	4/30/1998	5827000	KPUD
North Bainbridge Well 09	5/31/1998	7196000	KPUD
North Bainbridge Well 09	6/30/1998	8313000	KPUD
North Bainbridge Well 09	7/31/1998	10229000	KPUD
North Bainbridge Well 09	8/31/1998	10495000	KPUD
North Bainbridge Well 09	9/30/1998	8478000	KPUD
North Bainbridge Well 09	10/31/1998	6298000	KPUD
North Bainbridge Well 09	11/30/1998	5561000	KPUD
North Bainbridge Well 09	12/31/1998	5600000	KPUD
North Bainbridge Well 09	1/31/1999	5322000	KPUD
North Bainbridge Well 09	2/28/1999	5258000	KPUD
North Bainbridge Well 09	3/31/1999	5420000	KPUD
North Bainbridge Well 09	4/30/1999	5426000	KPUD
North Bainbridge Well 09	5/31/1999	6938000	KPUD
North Bainbridge Well 09	6/30/1999	8180000	KPUD
North Bainbridge Well 09	7/31/1999	8989000	KPUD
North Bainbridge Well 09	8/31/1999	9193000	KPUD
North Bainbridge Well 09	9/30/1999	8925000	KPUD
North Bainbridge Well 09	10/31/1999	6471000	KPUD
North Bainbridge Well 09	11/30/1999	5201000	KPUD
North Bainbridge Well 09	12/31/1999	5688000	KPUD
North Bainbridge Well 09	1/31/2000	5492000	KPUD
North Bainbridge Well 09	2/29/2000	5073000	KPUD
North Bainbridge Well 09	3/31/2000	5801000	KPUD
North Bainbridge Well 09	4/30/2000	5860000	KPUD
North Bainbridge Well 09	5/31/2000	7414000	KPUD
North Bainbridge Well 09	6/30/2000	8882000	KPUD
North Bainbridge Well 09	7/31/2000	11711000	KPUD

Production Well	Measurement Date	Production Voulme	Technician
North Bainbridge Well 09	8/31/2000	11583000	KPUD
North Bainbridge Well 09	9/30/2000	8892000	KPUD
North Bainbridge Well 09	10/31/2000	6592000	KPUD
North Bainbridge Well 09	11/30/2000	5252000	KPUD
North Bainbridge Well 09	12/31/2000	5692000	KPUD
North Bainbridge Well 09	1/31/2001	5268000	KPUD
North Bainbridge Well 09	2/28/2001	4543000	KPUD
North Bainbridge Well 09	3/31/2001	5204000	KPUD
North Bainbridge Well 09	4/30/2001	5626000	KPUD
North Bainbridge Well 09	5/31/2001	6974000	KPUD
North Bainbridge Well 09	6/30/2001	7443000	KPUD
North Bainbridge Well 09	7/31/2001	8177000	KPUD
North Bainbridge Well 09	8/31/2001	7076000	KPUD
North Bainbridge Well 09	9/30/2001	5209000	KPUD
North Bainbridge Well 09	10/31/2001	5578000	KPUD
North Bainbridge Well 09	11/30/2001	5076000	KPUD
North Bainbridge Well 09	12/31/2001	5229000	KPUD
North Bainbridge Well 09	1/31/2002	4849000	KPUD
North Bainbridge Well 09	2/28/2002	4691000	KPUD
North Bainbridge Well 09	3/31/2002	4787000	KPUD
North Bainbridge Well 09	4/30/2002	5151000	KPUD
North Bainbridge Well 09	5/31/2002	6479000	KPUD
North Bainbridge Well 09	6/30/2002	9635000	KPUD
North Bainbridge Well 09	7/31/2002	10548000	KPUD
North Bainbridge Well 09	8/31/2002	11982000	KPUD
North Bainbridge Well 09	9/30/2002	10070000	KPUD
North Bainbridge Well 09	10/31/2002	5881000	KPUD
North Bainbridge Well 09	11/30/2002	4982000	KPUD
North Bainbridge Well 09	12/31/2002	5713000	KPUD
North Bainbridge Well 09	1/31/2003	5316000	KPUD
North Bainbridge Well 09	2/28/2003	10932000	KPUD
North Bainbridge Well 09	3/31/2003	5000000	KPUD
North Bainbridge Well 09	4/30/2003	5115000	KPUD
North Bainbridge Well 09	5/31/2003	7297000	KPUD
North Bainbridge Well 09	6/30/2003	11096000	KPUD
North Bainbridge Well 09	7/31/2003	11501000	KPUD
North Bainbridge Well 09	8/31/2003	14016000	KPUD
North Bainbridge Well 09	9/30/2003	8666000	KPUD
North Bainbridge Well 09	10/31/2003	6191000	KPUD
North Bainbridge Well 09	11/30/2003	5773000	KPUD
North Bainbridge Well 09	12/31/2003	4809000	KPUD
North Bainbridge Well 09	1/31/2004	2579000	KPUD
North Bainbridge Well 09	2/29/2004	899000	KPUD
North Bainbridge Well 09	3/31/2004	5377000	KPUD
North Bainbridge Well 09	4/30/2004	5674000	KPUD
North Bainbridge Well 09	5/31/2004	6322000	KPUD
North Bainbridge Well 09	6/30/2004	10050000	KPUD
North Bainbridge Well 09	7/31/2004	12209000	KPUD
North Bainbridge Well 09	8/31/2004	9218000	KPUD
North Bainbridge Well 09	9/30/2004	5590000	KPUD
North Bainbridge Well 09	10/31/2004	5537000	KPUD

Production Well	Measurement Date	Production Voulme	Technician
North Bainbridge Well 09	11/30/2004	4376000	KPUD
North Bainbridge Well 09	12/30/2004	4361000	KPUD
North Bainbridge Well 09	1/31/2005	5616000	KPUD
North Bainbridge Well 09	2/28/2005	4283700	KPUD
North Bainbridge Well 09	3/30/2005	4216200	KPUD
North Bainbridge Well 09	4/29/2005	4109200	KPUD
North Bainbridge Well 09	5/31/2005	5409900	KPUD
North Bainbridge Well 09	6/30/2005	5200000	KPUD
North Bainbridge Well 09	7/31/2005	8280700	KPUD
North Bainbridge Well 09	8/31/2005	10781100	KPUD
North Bainbridge Well 09	9/30/2005	6312100	KPUD
North Bainbridge Well 09	10/31/2005	4072700	KPUD
North Bainbridge Well 09	11/30/2005	3639200	KPUD
North Bainbridge Well 09	12/31/2005	3731100	KPUD
North Bainbridge Well 09	1/31/2006	3820500	KPUD
North Bainbridge Well 09	2/28/2006	3384800	KPUD
North Bainbridge Well 09	3/31/2006	4032100	KPUD
North Bainbridge Well 09	4/30/2006	0	KPUD
North Bainbridge Well 09	5/31/2006	0	KPUD
North Bainbridge Well 09	6/30/2006	0	KPUD
North Bainbridge Well 09	7/31/2006	0	KPUD
North Bainbridge Well 09	8/31/2006	0	KPUD
North Bainbridge Well 09	9/30/2006	0	KPUD
North Bainbridge Well 09	10/31/2006	4751300	KPUD
North Bainbridge Well 09	11/30/2006	3527400	KPUD
North Bainbridge Well 09	12/31/2006	4117900	KPUD
North Bainbridge Well 09	1/31/2007	4225500	KPUD
North Bainbridge Well 09	2/28/2007	3565600	KPUD
North Bainbridge Well 09	3/31/2007	3637900	KPUD
North Bainbridge Well 09	4/30/2007	4084200	KPUD
North Bainbridge Well 09	5/31/2007	6042900	KPUD
North Bainbridge Well 09	6/30/2007	7032500	KPUD
North Bainbridge Well 09	7/31/2007	9555900	KPUD
North Bainbridge Well 09	8/31/2007	8009200	KPUD
North Bainbridge Well 09	9/30/2007	6017500	KPUD
North Bainbridge Well 09	10/31/2007	3881800	KPUD
North Bainbridge Well 09	11/30/2007	3817700	KPUD
North Bainbridge Well 09	12/31/2007	4082700	KPUD
North Bainbridge Well 09	1/31/2008	3961400	KPUD
North Bainbridge Well 09	2/29/2008	4018000	KPUD
North Bainbridge Well 09	3/31/2008	4188000	KPUD
North Bainbridge Well 09	4/30/2008	3799200	KPUD
North Bainbridge Well 09	5/31/2008	5435300	KPUD
North Bainbridge Well 09	6/30/2008	6893700	KPUD
North Bainbridge Well 09	7/31/2008	10735100	KPUD
North Bainbridge Well 09	8/31/2008	8148800	KPUD
North Bainbridge Well 09	9/30/2008	6333200	KPUD
North Bainbridge Well 09	10/31/2008	3990200	KPUD
North Bainbridge Well 09	11/30/2008	4008200	KPUD
North Bainbridge Well 09	12/31/2008	4331700	KPUD
North Bainbridge Well 09	1/31/2009	3870400	KPUD

Production Well	Measurement Date	Production Voulme	Technician
North Bainbridge Well 09	2/28/2009	3525800	KPUD
North Bainbridge Well 09	3/31/2009	3801900	KPUD
North Bainbridge Well 09	4/30/2009	4069600	KPUD
North Bainbridge Well 09	5/31/2009	5357400	KPUD
North Bainbridge Well 09	6/30/2009	9363900	KPUD
North Bainbridge Well 09	7/31/2009	11624600	KPUD
North Bainbridge Well 09	8/31/2009	9422300	KPUD
North Bainbridge Well 09	9/30/2009	6292800	KPUD
North Bainbridge Well 09	10/31/2009	4553100	KPUD
North Bainbridge Well 09	11/30/2009	3896900	KPUD
North Bainbridge Well 09	12/31/2009	4079300	KPUD
North Bainbridge Well 09	1/31/2010	4028700	KPUD
North Bainbridge Well 09	2/28/2010	4067000	KPUD
North Bainbridge Well 09	3/31/2010	4225000	KPUD
North Bainbridge Well 09	4/30/2010	4648000	KPUD
North Bainbridge Well 09	5/31/2010	6403600	KPUD
North Bainbridge Well 09	6/30/2010	5377400	KPUD
North Bainbridge Well 09	7/31/2010	9245700	KPUD
North Bainbridge Well 09	8/31/2010	9002800	KPUD
North Bainbridge Well 09	9/30/2010	5377600	KPUD
North Bainbridge Well 09	10/31/2010	4304300	KPUD
North Bainbridge Well 09	11/30/2010	4176400	KPUD
North Bainbridge Well 09	12/31/2010	4306300	KPUD
North Bainbridge Well 09	1/31/2011	4121200	KPUD
North Bainbridge Well 09	2/28/2011	3704300	KPUD
North Bainbridge Well 09	3/31/2011	4017000	KPUD
North Bainbridge Well 09	4/30/2011	4066400	KPUD
North Bainbridge Well 09	5/31/2011	4617400	KPUD
North Bainbridge Well 09	6/30/2011	5816500	KPUD
North Bainbridge Well 09	7/31/2011	7858700	KPUD
North Bainbridge Well 09	8/31/2011	9091800	KPUD
North Bainbridge Well 09	9/30/2011	7573600	KPUD
North Bainbridge Well 09	10/31/2011	4436700	KPUD
North Bainbridge Well 09	11/30/2011	4019400	KPUD
North Bainbridge Well 09	12/31/2011	4122400	KPUD
North Bainbridge Well 09	1/31/2012	4116500	KPUD
North Bainbridge Well 09	2/29/2012	3742700	KPUD
North Bainbridge Well 09	3/31/2012	4322000	KPUD
North Bainbridge Well 09	4/30/2012	4518300	KPUD
North Bainbridge Well 09	5/31/2012	5825100	KPUD
North Bainbridge Well 09	6/30/2012	5355400	KPUD
North Bainbridge Well 09	7/31/2012	7325600	KPUD
North Bainbridge Well 09	8/31/2012	10486400	KPUD
North Bainbridge Well 09	9/30/2012	8505200	KPUD
North Bainbridge Well 09	10/31/2012	5769900	KPUD
North Bainbridge Well 09	11/30/2012	4078900	KPUD
North Bainbridge Well 09	12/31/2012	4053900	KPUD
North Bainbridge Well 09	1/31/2013	3943500	KPUD
North Bainbridge Well 09	2/28/2013	3458100	KPUD
North Bainbridge Well 09	3/31/2013	4693900	KPUD
North Bainbridge Well 09	4/30/2013	4216800	KPUD

Production Well	Measurement Date	Production Voulme	Technician
North Bainbridge Well 09	5/31/2013	6560700	KPUD
North Bainbridge Well 09	6/30/2013	5037900	KPUD
North Bainbridge Well 09	7/31/2013	12591700	KPUD
North Bainbridge Well 09	8/31/2013	9919300	KPUD
North Bainbridge Well 09	9/30/2013	5342100	KPUD
North Bainbridge Well 09	10/31/2013	4528000	KPUD
North Bainbridge Well 09	11/30/2013	4184400	KPUD
North Bainbridge Well 09	12/31/2013	4387500	KPUD
North Bainbridge Well 09	1/31/2014	4178800	KPUD
North Bainbridge Well 09	2/28/2014	3756200	KPUD
North Bainbridge Well 09	3/31/2014	4586300	KPUD
North Bainbridge Well 09	4/30/2014	4958200	KPUD
North Bainbridge Well 09	5/31/2014	6409200	KPUD
North Bainbridge Well 09	6/30/2014	8192600	KPUD
North Bainbridge Well 09	7/31/2014	11490000	KPUD
North Bainbridge Well 09	8/31/2014	10923200	KPUD
North Bainbridge Well 09	9/30/2014	7335300	KPUD
North Bainbridge Well 09	10/31/2014	5262100	KPUD
North Bainbridge Well 09	11/30/2014	3990900	KPUD
North Bainbridge Well 09	12/31/2014	4957200	KPUD
North Bainbridge Well 09	1/31/2015	4378200	KPUD
North Bainbridge Well 09	2/28/2015	0	KPUD
North Bainbridge Well 09	3/31/2015	0	KPUD
North Bainbridge Well 09	4/30/2015	0	KPUD
North Bainbridge Well 09	5/31/2015	6981000	KPUD
North Bainbridge Well 09	6/30/2015	10721400	KPUD
North Bainbridge Well 09	7/31/2015	12894200	KPUD
North Bainbridge Well 09	8/31/2015	10368600	KPUD
North Bainbridge Well 09	9/30/2015	5434300	KPUD
North Bainbridge Well 09	10/31/2015	4451500	KPUD
North Bainbridge Well 09	11/30/2015	3937200	KPUD
North Bainbridge Well 09	12/31/2015	4316100	KPUD
North Bainbridge Well 09	1/31/2016	4592100	KPUD
North Bainbridge Well 09	2/29/2016	3595100	KPUD
North Bainbridge Well 09	3/31/2016	4002100	KPUD
North Bainbridge Well 09	4/30/2016	4461400	KPUD
North Bainbridge Well 09	5/31/2016	7048200	KPUD
North Bainbridge Well 09	6/30/2016	8627900	KPUD
North Bainbridge Well 09	7/31/2016	10188800	KPUD
North Bainbridge Well 09	8/31/2016	11211900	KPUD
North Bainbridge Well 09	9/30/2016	6806700	KPUD
North Bainbridge Well 09	10/31/2016	4380500	KPUD
North Bainbridge Well 09	11/30/2016	3780700	KPUD
North Bainbridge Well 09	12/31/2016	4132900	KPUD
North Bainbridge Well 09	1/31/2017	2272200	KPUD
North Bainbridge Well 09	2/28/2017	0	KPUD
North Bainbridge Well 09	3/31/2017	0	KPUD
North Bainbridge Well 09	4/30/2017	764800	KPUD
North Bainbridge Well 09	5/31/2017	5331400	KPUD
North Bainbridge Well 09	6/30/2017	7657200	KPUD
North Bainbridge Well 09	7/31/2017	11709900	KPUD

Production Well	Measurement Date	Production Voulme	Technician
North Bainbridge Well 09	8/31/2017	11912700	KPUD
North Bainbridge Well 09	9/30/2017	8283500	KPUD
North Bainbridge Well 09	10/31/2017	4921500	KPUD
North Bainbridge Well 09	11/30/2017	4156100	KPUD
North Bainbridge Well 09	12/31/2017	4203300	KPUD
North Bainbridge Well 09	1/31/2018	4053800	KPUD
North Bainbridge Well 09	2/28/2018	3505100	KPUD
North Bainbridge Well 09	3/31/2018	4202600	KPUD
North Bainbridge Well 09	4/30/2018	4210700	KPUD
North Bainbridge Well 09	5/31/2018	7653900	KPUD
North Bainbridge Well 09	6/30/2018	8907400	KPUD
North Bainbridge Well 09	7/31/2018	13240800	KPUD
North Bainbridge Well 09	8/31/2018	12210600	KPUD
North Bainbridge Well 09	9/30/2018	7957000	KPUD
North Bainbridge Well 09	10/31/2018	4677400	KPUD
North Bainbridge Well 09	11/30/2018	4343500	KPUD
North Bainbridge Well 09	12/31/2018	4504500	KPUD
North Bainbridge Well 09	1/31/2019	4468000	KPUD
North Bainbridge Well 09	2/28/2019	4402300	KPUD
North Bainbridge Well 09	3/31/2019	4597500	KPUD
North Bainbridge Well 09	4/30/2019	4785000	KPUD
North Bainbridge Well 09	5/31/2019	7994900	KPUD
North Bainbridge Well 09	6/30/2019	9897300	KPUD
North Bainbridge Well 09	7/31/2019	10219800	KPUD
North Bainbridge Well 09	8/31/2019	10152600	KPUD
North Bainbridge Well 09	9/30/2019	6263600	KPUD
North Bainbridge Well 09	10/31/2019	4373700	KPUD
North Bainbridge Well 09	11/30/2019	3997100	KPUD
North Bainbridge Well 09	12/31/2019	4098500	KPUD
North Bainbridge Well 09	1/31/2020	4235800	KPUD
North Bainbridge Well 09	2/29/2020	3631200	KPUD
North Bainbridge Well 09	3/31/2020	4406200	KPUD
North Bainbridge Well 09	4/30/2020	5471800	KPUD
North Bainbridge Well 09	5/31/2020	6951000	KPUD
North Bainbridge Well 09	6/30/2020	6968500	KPUD
North Bainbridge Well 09	7/31/2020	10609300	KPUD
North Bainbridge Well 09	8/31/2020	11545100	KPUD
North Bainbridge Well 09	9/30/2020	9279100	KPUD
North Bainbridge Well 09	10/31/2020	5217500	KPUD
North Bainbridge Well 09	11/30/2020	4845900	KPUD
North Bainbridge Well 09	12/31/2020	4605900	KPUD
North Bainbridge Well 09	1/31/2021	4619200	KPUD
North Bainbridge Well 09	2/28/2021	4060700	KPUD
North Bainbridge Well 09	3/31/2021	0	KPUD
North Bainbridge Well 09	4/30/2021	7364700	KPUD
North Bainbridge Well 09	5/31/2021	0	KPUD
North Bainbridge Well 09	6/30/2021	6641000	KPUD
North Bainbridge Well 09	7/31/2021	15907500	KPUD
North Bainbridge Well 09	8/31/2021	12287400	KPUD
North Bainbridge Well 09	9/30/2021	8881400	KPUD
North Bainbridge Well 09	10/31/2021	5768600	KPUD

Production Well	Measurement Date	Production Voulme	Technician
North Bainbridge Well 09	11/30/2021	4349200	KPUD
North Bainbridge Well 09	12/31/2021	4453300	KPUD
North Bainbridge Well 10	2/28/2005	0	KPUD
North Bainbridge Well 10	3/30/2005	0	KPUD
North Bainbridge Well 10	4/30/2005	0	KPUD
North Bainbridge Well 10	5/31/2005	0	KPUD
North Bainbridge Well 10	6/30/2005	0	KPUD
North Bainbridge Well 10	7/31/2005	0	KPUD
North Bainbridge Well 10	8/31/2005	0	KPUD
North Bainbridge Well 10	9/30/2005	0	KPUD
North Bainbridge Well 10	10/31/2005	0	KPUD
North Bainbridge Well 10	11/30/2005	0	KPUD
North Bainbridge Well 10	12/31/2005	0	KPUD
North Bainbridge Well 10	1/31/2006	0	KPUD
North Bainbridge Well 10	2/28/2006	0	KPUD
North Bainbridge Well 10	3/31/2006	0	KPUD
North Bainbridge Well 10	4/30/2006	0	KPUD
North Bainbridge Well 10	5/31/2006	0	KPUD
North Bainbridge Well 10	6/30/2006	0	KPUD
North Bainbridge Well 10	7/31/2006	0	KPUD
North Bainbridge Well 10	8/31/2006	0	KPUD
North Bainbridge Well 10	9/30/2006	0	KPUD
North Bainbridge Well 10	10/31/2006	0	KPUD
North Bainbridge Well 10	11/30/2006	0	KPUD
North Bainbridge Well 10	12/31/2006	0	KPUD
North Bainbridge Well 10	1/31/2007	0	KPUD
North Bainbridge Well 10	2/28/2007	0	KPUD
North Bainbridge Well 10	3/31/2007	0	KPUD
North Bainbridge Well 10	4/30/2007	0	KPUD
North Bainbridge Well 10	5/31/2007	0	KPUD
North Bainbridge Well 10	6/30/2007	0	KPUD
North Bainbridge Well 10	7/31/2007	0	KPUD
North Bainbridge Well 10	8/31/2007	0	KPUD
North Bainbridge Well 10	9/30/2007	0	KPUD
North Bainbridge Well 10	10/31/2007	0	KPUD
North Bainbridge Well 10	11/30/2007	0	KPUD
North Bainbridge Well 10	12/31/2007	0	KPUD
North Bainbridge Well 10	1/31/2008	0	KPUD
North Bainbridge Well 10	2/29/2008	0	KPUD
North Bainbridge Well 10	3/31/2008	0	KPUD
North Bainbridge Well 10	4/30/2008	0	KPUD
North Bainbridge Well 10	5/31/2008	0	KPUD
North Bainbridge Well 10	6/30/2008	0	KPUD
North Bainbridge Well 10	7/31/2008	0	KPUD
North Bainbridge Well 10	8/31/2008	0	KPUD
North Bainbridge Well 10	9/30/2008	0	KPUD
North Bainbridge Well 10	10/31/2008	0	KPUD
North Bainbridge Well 10	11/30/2008	0	KPUD
North Bainbridge Well 10	12/31/2008	0	KPUD
North Bainbridge Well 10	1/31/2009	0	KPUD
North Bainbridge Well 10	2/28/2009	0	KPUD

Production Well	Measurement Date	Production Voulme	Technician
North Bainbridge Well 10	3/31/2009	0	KPUD
North Bainbridge Well 10	4/30/2009	0	KPUD
North Bainbridge Well 10	5/31/2009	0	KPUD
North Bainbridge Well 10	7/31/2009	2297800	KPUD
North Bainbridge Well 10	8/31/2009	1193000	KPUD
North Bainbridge Well 10	9/30/2009	145100	KPUD
North Bainbridge Well 10	10/31/2009	0	KPUD
North Bainbridge Well 10	11/30/2009	1600	KPUD
North Bainbridge Well 10	12/31/2009	0	KPUD
North Bainbridge Well 10	1/31/2010	0	KPUD
North Bainbridge Well 10	2/28/2010	0	KPUD
North Bainbridge Well 10	3/31/2010	0	KPUD
North Bainbridge Well 10	4/30/2010	0	KPUD
North Bainbridge Well 10	5/31/2010	0	KPUD
North Bainbridge Well 10	6/30/2010	0	KPUD
North Bainbridge Well 10	7/31/2010	1666200	KPUD
North Bainbridge Well 10	8/31/2010	1551600	KPUD
North Bainbridge Well 10	9/30/2010	18700	KPUD
North Bainbridge Well 10	10/31/2010	39900	KPUD
North Bainbridge Well 10	11/30/2010	0	KPUD
North Bainbridge Well 10	12/31/2010	0	KPUD
North Bainbridge Well 10	1/31/2011	0	KPUD
North Bainbridge Well 10	2/28/2011	0	KPUD
North Bainbridge Well 10	3/31/2011	0	KPUD
North Bainbridge Well 10	4/30/2011	0	KPUD
North Bainbridge Well 10	5/31/2011	0	KPUD
North Bainbridge Well 10	6/30/2011	7400	KPUD
North Bainbridge Well 10	7/31/2011	561700	KPUD
North Bainbridge Well 10	8/31/2011	1280800	KPUD
North Bainbridge Well 10	9/30/2011	492500	KPUD
North Bainbridge Well 10	10/31/2011	0	KPUD
North Bainbridge Well 10	11/30/2011	0	KPUD
North Bainbridge Well 10	12/31/2011	2736	KPUD
North Bainbridge Well 10	1/31/2012	0	KPUD
North Bainbridge Well 10	2/29/2012	0	KPUD
North Bainbridge Well 10	3/31/2012	0	KPUD
North Bainbridge Well 10	4/30/2012	0	KPUD
North Bainbridge Well 10	5/31/2012	3300	KPUD
North Bainbridge Well 10	6/30/2012	0	KPUD
North Bainbridge Well 10	7/31/2012	1368	KPUD
North Bainbridge Well 10	8/31/2012	8892	KPUD
North Bainbridge Well 10	9/30/2012	0	KPUD
North Bainbridge Well 10	10/31/2012	0	KPUD
North Bainbridge Well 10	11/30/2012	0	KPUD
North Bainbridge Well 10	12/31/2012	0	KPUD
North Bainbridge Well 10	1/31/2013	0	KPUD
North Bainbridge Well 10	2/28/2013	0	KPUD
North Bainbridge Well 10	3/31/2013	0	KPUD
North Bainbridge Well 10	4/30/2013	0	KPUD
North Bainbridge Well 10	5/31/2013	0	KPUD
North Bainbridge Well 10	6/30/2013	759240	KPUD

Production Well	Measurement Date	Production Voulme	Technician
North Bainbridge Well 10	7/31/2013	0	KPUD
North Bainbridge Well 10	8/31/2013	0	KPUD
North Bainbridge Well 10	9/30/2013	0	KPUD
North Bainbridge Well 10	10/31/2013	0	KPUD
North Bainbridge Well 10	11/30/2013	0	KPUD
North Bainbridge Well 10	12/31/2013	0	KPUD
North Bainbridge Well 10	1/31/2014	0	KPUD
North Bainbridge Well 10	2/28/2014	0	KPUD
North Bainbridge Well 10	3/31/2014	0	KPUD
North Bainbridge Well 10	4/30/2014	684	KPUD
North Bainbridge Well 10	5/31/2014	0	KPUD
North Bainbridge Well 10	6/30/2014	0	KPUD
North Bainbridge Well 10	7/31/2014	554040	KPUD
North Bainbridge Well 10	8/31/2014	80028	KPUD
North Bainbridge Well 10	9/30/2014	17100	KPUD
North Bainbridge Well 10	10/31/2014	171000	KPUD
North Bainbridge Well 10	11/30/2014	0	KPUD
North Bainbridge Well 10	12/31/2014	2052	KPUD
North Bainbridge Well 10	1/31/2015	0	KPUD
North Bainbridge Well 10	2/28/2015	0	KPUD
North Bainbridge Well 10	3/31/2015	0	KPUD
North Bainbridge Well 10	4/30/2015	0	KPUD
North Bainbridge Well 10	5/31/2015	0	KPUD
North Bainbridge Well 10	6/30/2015	1391256	KPUD
North Bainbridge Well 10	7/31/2015	1791500	KPUD
North Bainbridge Well 10	8/31/2015	893400	KPUD
North Bainbridge Well 10	9/30/2015	0	KPUD
North Bainbridge Well 10	10/31/2015	0	KPUD
North Bainbridge Well 10	11/30/2015	0	KPUD
North Bainbridge Well 10	12/31/2015	0	KPUD
North Bainbridge Well 10	1/31/2016	0	KPUD
North Bainbridge Well 10	2/29/2016	0	KPUD
North Bainbridge Well 10	3/31/2016	0	KPUD
North Bainbridge Well 10	4/30/2016	0	KPUD
North Bainbridge Well 10	5/31/2016	0	KPUD
North Bainbridge Well 10	6/30/2016	95700	KPUD
North Bainbridge Well 10	7/31/2016	455000	KPUD
North Bainbridge Well 10	8/31/2016	1055400	KPUD
North Bainbridge Well 10	9/30/2016	171600	KPUD
North Bainbridge Well 10	10/31/2016	0	KPUD
North Bainbridge Well 10	11/30/2016	0	KPUD
North Bainbridge Well 10	12/31/2016	0	KPUD
North Bainbridge Well 10	1/31/2017	0	KPUD
North Bainbridge Well 10	2/28/2017	0	KPUD
North Bainbridge Well 10	3/31/2017	0	KPUD
North Bainbridge Well 10	4/30/2017	0	KPUD
North Bainbridge Well 10	5/31/2017	0	KPUD
North Bainbridge Well 10	6/30/2017	273200	KPUD
North Bainbridge Well 10	7/31/2017	823700	KPUD
North Bainbridge Well 10	2/28/2018	0	KPUD
North Bainbridge Well 10	3/31/2018	0	KPUD

Production Well	Measurement Date	Production Voulme	Technician
North Bainbridge Well 10	4/30/2018	0	KPUD
North Bainbridge Well 10	5/31/2018	0	KPUD
North Bainbridge Well 10	6/30/2018	1544000	KPUD
North Bainbridge Well 10	7/31/2018	1599300	KPUD
North Bainbridge Well 10	8/31/2018	979100	KPUD
North Bainbridge Well 10	9/30/2018	395600	KPUD
North Bainbridge Well 10	10/31/2018	0	KPUD
North Bainbridge Well 10	11/30/2018	0	KPUD
North Bainbridge Well 10	12/31/2018	0	KPUD
North Bainbridge Well 10	1/31/2019	0	KPUD
North Bainbridge Well 10	2/28/2019	0	KPUD
North Bainbridge Well 10	3/31/2019	0	KPUD
North Bainbridge Well 10	4/30/2019	0	KPUD
North Bainbridge Well 10	5/31/2019	63500	KPUD
North Bainbridge Well 10	6/30/2019	308200	KPUD
North Bainbridge Well 10	7/31/2019	520400	KPUD
North Bainbridge Well 10	8/31/2019	391100	KPUD
North Bainbridge Well 10	9/30/2019	71280	KPUD
North Bainbridge Well 10	10/31/2019	0	KPUD
North Bainbridge Well 10	11/30/2019	0	KPUD
North Bainbridge Well 10	12/31/2019	0	KPUD
North Bainbridge Well 10	1/31/2020	0	KPUD
North Bainbridge Well 10	2/29/2020	0	KPUD
North Bainbridge Well 10	3/31/2020	0	KPUD
North Bainbridge Well 10	4/30/2020	0	KPUD
North Bainbridge Well 10	5/31/2020	4037100	KPUD
North Bainbridge Well 10	6/30/2020	53400	KPUD
North Bainbridge Well 10	7/31/2020	465300	KPUD
North Bainbridge Well 10	8/31/2020	1022900	KPUD
North Bainbridge Well 10	9/30/2020	585200	KPUD
North Bainbridge Well 10	10/31/2020	0	KPUD
North Bainbridge Well 10	11/30/2020	0	KPUD
North Bainbridge Well 10	12/31/2020	0	KPUD
North Bainbridge Well 10	1/31/2021	0	KPUD
North Bainbridge Well 10	2/28/2021	0	KPUD
North Bainbridge Well 10	3/31/2021	0	KPUD
North Bainbridge Well 10	4/30/2021	541200	KPUD
North Bainbridge Well 10	5/31/2021	325800	KPUD
North Bainbridge Well 10	6/30/2021	4151700	KPUD
North Bainbridge Well 10	7/31/2021	1952100	KPUD
North Bainbridge Well 10	8/31/2021	1207500	KPUD
North Bainbridge Well 10	9/30/2021	654800	KPUD
North Bainbridge Well 10	10/31/2021	0	KPUD
North Bainbridge Well 10	11/30/2021	0	KPUD
North Bainbridge Well 10	12/31/2021	0	KPUD
Sands Road 1	7/15/2001	2488079.166	not specified
Sands Road 1	8/15/2001	2597788.254	not specified
Sands Road 1	9/15/2001	2519762.394	not specified
Sands Road 1	10/15/2001	1861980.75	not specified
Sands Road 1	11/15/2001	1387678.098	not specified
Sands Road 1	12/15/2001	732000	not specified

Production Well	Measurement Date	Production Voulme	Technician
Sands Road 1	1/15/2002	767000	not specified
Sands Road 1	2/15/2002	1304000	not specified
Sands Road 1	3/15/2002	1083000	not specified
Sands Road 1	4/15/2002	1703000	not specified
Sands Road 1	5/15/2002	1229000	not specified
Sands Road 1	6/15/2002	2195000	not specified
Sands Road 1	7/15/2002	1973000	not specified
Sands Road 1	8/15/2002	1974000	not specified
Sands Road 1	9/15/2002	2078000	not specified
Sands Road 1	10/15/2002	1367000	not specified
Sands Road 1	11/15/2002	1367000	not specified
Sands Road 1	12/15/2002	1006000	not specified
Sands Road 1	1/15/2003	1119000	not specified
Sands Road 1	2/15/2003	1069000	not specified
Sands Road 1	3/15/2003	1050000	not specified
Sands Road 1	4/15/2003	889000	not specified
Sands Road 1	5/15/2003	1332000	not specified
Sands Road 1	6/15/2003	1712000	not specified
Sands Road 1	7/15/2003	1595417.6	not specified
Sands Road 1	8/15/2003	2019399.178	not specified
Sands Road 1	9/15/2003	1733605.899	not specified
Sands Road 1	10/15/2003	1147285.3	not specified
Sands Road 1	11/15/2003	909233.7408	not specified
Sands Road 1	12/15/2003	854130.8944	not specified
Sands Road 1	1/15/2004	911282.9824	not specified
Sands Road 1	2/15/2004	867379.296	not specified
Sands Road 1	3/15/2004	915925.248	not specified
Sands Road 1	4/15/2004	1006486.813	not specified
Sands Road 1	5/15/2004	1249166.318	not specified
Sands Road 1	6/15/2004	1365121.15	not specified
Sands Road 1	7/15/2004	1691155.066	not specified
Sands Road 1	8/15/2004	1817092.194	not specified
Sands Road 1	9/15/2004	1501231.245	not specified
Sands Road 1	10/15/2004	904757.56	not specified
Sands Road 1	11/15/2004	573000	not specified
Sands Road 1	12/17/2004	998000	COBI-PW
Sands Road 1	1/13/2005	696000	COBI-PW
Sands Road 1	2/15/2005	513000	COBI-PW
Sands Road 1	3/17/2005	10000	COBI-PW
Sands Road 1	4/15/2005	720000	COBI-PW
Sands Road 1	5/17/2005	3141000	COBI-PW
Sands Road 1	6/16/2005	4359000	COBI-PW
Sands Road 1	7/15/2005	5013000	COBI-PW
Sands Road 1	8/16/2005	8038000	COBI-PW
Sands Road 1	9/13/2005	6072000	COBI-PW
Sands Road 1	10/18/2005	3833000	COBI-PW
Sands Road 1	11/16/2005	3851000	COBI-PW
Sands Road 1	12/15/2005	3642000	COBI-PW
Sands Road 1	1/12/2006	3221000	COBI-PW
Sands Road 1	2/15/2006	4245000	COBI-PW
Sands Road 1	3/16/2006	3528000	COBI-PW

Production Well	Measurement Date	Production Voulme	Technician
Sands Road 1	4/17/2006	5344000	COBI-PW
Sands Road 1	5/16/2006	6687000	COBI-PW
Sands Road 1	6/15/2006	6323000	COBI-PW
Sands Road 1	7/13/2006	6355000	COBI-PW
Sands Road 1	8/17/2006	8906000	COBI-PW
Sands Road 1	9/14/2006	6633000	COBI-PW
Sands Road 1	10/12/2006	4418000	COBI-PW
Sands Road 1	11/14/2006	5442000	COBI-PW
Sands Road 1	12/14/2006	3440000	COBI-PW
Sands Road 1	1/18/2007	3559000	COBI-PW
Sands Road 1	2/14/2007	2807000	COBI-PW
Sands Road 1	3/12/2007	677000	COBI-PW
Sands Road 1	4/17/2007	4580000	COBI-PW
Sands Road 1	5/16/2007	3889000	COBI-PW
Sands Road 1	6/14/2007	4927000	COBI-PW
Sands Road 1	7/17/2007	0	COBI-PW
Sands Road 1	8/14/2007	13168000	COBI-PW
Sands Road 1	9/18/2007	7062000	COBI-PW
Sands Road 1	10/17/2007	3609000	COBI-PW
Sands Road 1	11/19/2007	3624000	COBI-PW
Sands Road 1	12/18/2007	3049000	COBI-PW
Sands Road 1	1/16/2008	3671000	COBI-PW
Sands Road 1	2/14/2008	4092000	COBI-PW
Sands Road 1	3/12/2008	3361000	COBI-PW
Sands Road 1	4/15/2008	4622000	COBI-PW
Sands Road 1	5/19/2008	4953000	COBI-PW
Sands Road 1	6/17/2008	4889000	COBI-PW
Sands Road 1	7/18/2008	6363000	COBI-PW
Sands Road 1	8/14/2008	5792000	COBI-PW
Sands Road 1	9/16/2008	5337000	COBI-PW
Sands Road 1	1/15/2009	2926176	COBI-PW
Sands Road 1	2/11/2009	2274828	COBI-PW
Sands Road 1	3/13/2009	1657710	COBI-PW
Sands Road 1	4/15/2009	3365298	COBI-PW
Sands Road 1	5/14/2009	0	COBI-PW
Sands Road 1	6/17/2009	10100784	COBI-PW
Sands Road 1	7/15/2009	5301738	COBI-PW
Sands Road 1	8/13/2009	6578028	COBI-PW
Sands Road 1	9/15/2009	5014206	COBI-PW
Sands Road 1	10/14/2009	3228378	COBI-PW
Sands Road 1	11/17/2009	3488526	COBI-PW
Sands Road 1	12/16/2009	2634732	COBI-PW
Sands Road 1	1/15/2010	2685556	COBI-PW
Sands Road 1	2/18/2010	1815601	COBI-PW
Sands Road 1	3/16/2010	2201920	COBI-PW
Sands Road 1	4/14/2010	767723	COBI-PW
Sands Road 1	5/13/2010	2524344	COBI-PW
Sands Road 1	6/23/2010	5100787	COBI-PW
Sands Road 1	7/13/2010	2621661	COBI-PW
Sands Road 1	8/20/2010	6994045	COBI-PW
Sands Road 1	9/15/2010	3880884	COBI-PW

Production Well	Measurement Date	Production Voulme	Technician
Sands Road 1	10/15/2010	3153464	COBI-PW
Sands Road 1	11/12/2010	3000116	COBI-PW
Sands Road 1	12/15/2010	1874581	COBI-PW
Sands Road 1	1/18/2011	3439386	COBI-PW
Sands Road 1	2/22/2011	3138219	COBI-PW
Sands Road 1	3/15/2011	1191915	COBI-PW
Sands Road 1	4/19/2011	2707560	COBI-PW
Sands Road 1	5/17/2011	1880577	COBI-PW
Sands Road 1	6/15/2011	4104504	COBI-PW
Sands Road 1	7/20/2011	5645655	COBI-PW
Sands Road 1	8/18/2011	5525973	COBI-PW
Sands Road 1	9/14/2011	5001138	COBI-PW
Sands Road 1	10/20/2011	5518125	COBI-PW
Sands Road 1	11/16/2011	3090150	COBI-PW
Sands Road 1	12/16/2011	3249072	COBI-PW
Sands Road 1	1/12/2012	3077397	COBI-PW
Sands Road 1	2/15/2012	3713085	COBI-PW
Sands Road 1	3/19/2012	1768743	COBI-PW
Sands Road 1	4/17/2012	2829204	COBI-PW
Sands Road 1	5/10/2012	1576467	COBI-PW
Sands Road 1	6/19/2012	4205547	COBI-PW
Sands Road 1	7/18/2012	3988746	COBI-PW
Sands Road 1	8/20/2012	5602491	COBI-PW
Sands Road 1	9/18/2012	4844178	COBI-PW
Sands Road 1	10/16/2012	5136516	COBI-PW
Sands Road 1	11/14/2012	3276540	COBI-PW
Sands Road 1	12/20/2012	3985803	COBI-PW
Sands Road 1	1/17/2013	2783097	COBI-PW
Sands Road 1	2/12/2013	2463291	COBI-PW
Sands Road 1	3/19/2013	4182984	COBI-PW
Sands Road 1	4/15/2013	5103162	COBI-PW
Sands Road 1	5/15/2013	4588137	COBI-PW
Sands Road 1	6/19/2013	6654123	COBI-PW
Sands Road 1	7/19/2013	6520707	COBI-PW
Sands Road 1	8/16/2013	5443569	COBI-PW
Sands Road 1	9/19/2013	4750983	COBI-PW
Sands Road 1	10/25/2013	2681073	COBI-PW
Sands Road 1	11/21/2013	898596	COBI-PW
Sands Road 1	12/12/2013	1165428	COBI-PW
Sands Road 1	1/21/2014	3742195	COBI-PW
Sands Road 1	2/21/2014	3135245	COBI-PW
Sands Road 1	3/20/2014	2431780	COBI-PW
Sands Road 1	4/22/2014	3540210	COBI-PW
Sands Road 1	5/19/2014	3207880	COBI-PW
Sands Road 1	6/17/2014	5462550	COBI-PW
Sands Road 1	7/16/2014	5737170	COBI-PW
Sands Road 1	8/26/2014	7839605	COBI-PW
Sands Road 1	9/18/2014	3584985	COBI-PW
Sands Road 1	10/15/2014	3949155	COBI-PW
Sands Road 1	11/19/2014	4461580	COBI-PW
Sands Road 1	12/22/2014	2234770	COBI-PW

Production Well	Measurement Date	Production Voulme	Technician
Sands Road 1	1/15/2015	2483520	COBI-PW
Sands Road 1	2/17/2015	740280	COBI-PW
Sands Road 1	3/16/2015	3205890	COBI-PW
Sands Road 1	4/21/2015	3996915	COBI-PW
Sands Road 1	5/21/2015	3112360	COBI-PW
Sands Road 1	6/23/2015	5479465	COBI-PW
Sands Road 1	7/16/2015	5379965	COBI-PW
Sands Road 1	8/17/2015	7101315	COBI-PW
Sands Road 1	9/21/2015	5436680	COBI-PW
Sands Road 1	10/14/2015	1395985	COBI-PW
Sands Road 1	11/20/2015	61690	COBI-PW
Sands Road 1	12/21/2015	0	COBI-PW
Sands Road 1	1/26/2016	0	COBI-PW
Sands Road 1	2/24/2016	0	COBI-PW
Sands Road 1	3/21/2016	15920	COBI-PW
Sands Road 1	4/25/2016	298500	COBI-PW
Sands Road 1	5/18/2016	4619785	COBI-PW
Sands Road 1	6/22/2016	5905325	COBI-PW
Sands Road 1	7/20/2016	5827715	COBI-PW
Sands Road 1	8/15/2016	5663540	COBI-PW
Sands Road 1	10/3/2016	8158005	COBI-PW
Sands Road 1	10/26/2016	2750180	COBI-PW
Sands Road 1	11/30/2016	3694435	COBI-PW
Sands Road 1	12/29/2016	2499440	COBI-PW
Sands Road 1	1/24/2017	2172085	COBI-PW
Sands Road 1	2/23/2017	2282530	COBI-PW
Sands Road 1	3/23/2017	1412900	COBI-PW
Sands Road 1	4/19/2017	1438770	COBI-PW
Sands Road 1	5/22/2017	679585	COBI-PW
Sands Road 1	6/23/2017	3113355	COBI-PW
Sands Road 1	7/18/2017	5112310	COBI-PW
Sands Road 1	8/15/2017	5988905	COBI-PW
Sands Road 1	9/20/2017	7825675	COBI-PW
Sands Road 1	10/18/2017	4075520	COBI-PW
Sands Road 1	11/22/2017	3937215	COBI-PW
Sands Road 1	12/14/2017	2706400	COBI-PW
Sands Road 1	1/22/2018	4309345	COBI-PW
Sands Road 1	2/13/2018	2439740	COBI-PW
Sands Road 1	3/19/2018	2502425	COBI-PW
Sands Road 1	4/18/2018	1660655	COBI-PW
Sands Road 1	5/17/2018	3985970	COBI-PW
Sands Road 1	6/14/2018	4622770	COBI-PW
Sands Road 1	7/19/2018	7559015	COBI-PW
Sands Road 1	8/16/2018	7078430	COBI-PW
Sands Road 1	9/15/2018	0	COBI-PW
Sands Road 1	10/17/2018	9587820	COBI-PW
Sands Road 1	11/14/2018	2357155	COBI-PW
Sands Road 1	12/17/2018	2831770	COBI-PW
Sands Road 1	1/16/2019	1031000	COBI-PW
Sands Road 1	2/21/2019	3260000	COBI-PW
Sands Road 1	3/18/2019	3094000	COBI-PW

Production Well	Measurement Date	Production Voulme	Technician
Sands Road 1	4/16/2019	3426000	COBI-PW
Sands Road 1	5/16/2019	4706000	COBI-PW
Sands Road 1	6/18/2019	6332000	COBI-PW
Sands Road 1	7/17/2019	6177000	COBI-PW
Sands Road 1	8/16/2019	6686000	COBI-PW
Sands Road 1	9/20/2019	7194000	COBI-PW
Sands Road 1	10/16/2019	3316000	COBI-PW
Sands Road 1	11/18/2019	3629000	COBI-PW
Sands Road 1	12/16/2019	2756000	COBI-PW
Sands Road 1	1/16/2020	4075000	COBI-PW
Sands Road 1	2/19/2020	3631000	COBI-PW
Sands Road 1	3/17/2020	2659000	COBI-PW
Sands Road 1	4/20/2020	4194000	COBI-PW
Sands Road 1	5/19/2020	3639000	COBI-PW
Sands Road 1	6/17/2020	5195000	COBI-PW
Sands Road 1	7/16/2020	5505000	COBI-PW
Sands Road 1	8/18/2020	7807000	COBI-PW
Sands Road 1	9/17/2020	6315000	COBI-PW
Sands Road 1	10/16/2020	4172000	COBI-PW
Sands Road 1	11/19/2020	4537000	COBI-PW
Sands Road 1	12/17/2020	3331000	COBI-PW
Sands Road 1	1/20/2021	3454000	COBI-PW
Sands Road 1	2/23/2021	4174000	COBI-PW
Sands Road 1	3/18/2021	1963000	COBI-PW
Sands Road 1	5/19/2021	7995000	COBI-PW
Sands Road 1	6/17/2021	5608000	COBI-PW
Sands Road 1	7/15/2021	7627000	COBI-PW
Sands Road 1	8/18/2021	9030000	COBI-PW
Sands Road 1	9/14/2021	6370000	COBI-PW
Sands Road 1	10/18/2021	5743000	COBI-PW
Sands Road 1	11/16/2021	4309000	COBI-PW
Sands Road 1	12/20/2021	4660000	COBI-PW
Sands Road 2	7/15/2001	7424586.834	not specified
Sands Road 2	8/15/2001	7751965.746	not specified
Sands Road 2	9/15/2001	7519131.606	not specified
Sands Road 2	10/15/2001	5556269.25	not specified
Sands Road 2	11/15/2001	4140919.902	not specified
Sands Road 2	12/15/2001	2914000	not specified
Sands Road 2	1/15/2002	3057000	not specified
Sands Road 2	2/15/2002	5262000	not specified
Sands Road 2	3/15/2002	4391000	not specified
Sands Road 2	4/15/2002	7174000	not specified
Sands Road 2	5/15/2002	5196000	not specified
Sands Road 2	6/15/2002	9857000	not specified
Sands Road 2	7/15/2002	9450000	not specified
Sands Road 2	8/15/2002	10080000	not specified
Sands Road 2	9/15/2002	11298000	not specified
Sands Road 2	10/15/2002	7288000	not specified
Sands Road 2	11/15/2002	7053000	not specified
Sands Road 2	12/15/2002	5024000	not specified
Sands Road 2	1/15/2003	5492000	not specified

Production Well	Measurement Date	Production Voulme	Technician
Sands Road 2	2/15/2003	5389000	not specified
Sands Road 2	3/15/2003	4936000	not specified
Sands Road 2	4/15/2003	4690000	not specified
Sands Road 2	5/15/2003	6693000	not specified
Sands Road 2	6/15/2003	8848000	not specified
Sands Road 2	7/15/2003	9800422.4	not specified
Sands Road 2	8/15/2003	12404880.66	not specified
Sands Road 2	9/15/2003	10649293.38	not specified
Sands Road 2	10/15/2003	7047609.7	not specified
Sands Road 2	11/15/2003	5585292.979	not specified
Sands Road 2	12/15/2003	5246804.066	not specified
Sands Road 2	1/15/2004	5597881.178	not specified
Sands Road 2	2/15/2004	5328187.104	not specified
Sands Road 2	3/15/2004	5626397.952	not specified
Sands Road 2	4/15/2004	6182704.707	not specified
Sands Road 2	5/15/2004	7673450.242	not specified
Sands Road 2	6/15/2004	8385744.21	not specified
Sands Road 2	7/15/2004	10388523.97	not specified
Sands Road 2	8/15/2004	11162137.77	not specified
Sands Road 2	9/15/2004	9221849.075	not specified
Sands Road 2	10/15/2004	5557796.44	not specified
Sands Road 2	11/15/2004	3467000	not specified
Sands Road 2	12/17/2004	6139000	COBI-PW
Sands Road 2	1/13/2005	4180000	COBI-PW
Sands Road 2	2/15/2005	3067000	COBI-PW
Sands Road 2	3/17/2005	0	COBI-PW
Sands Road 2	4/15/2005	722000	COBI-PW
Sands Road 2	5/17/2005	3450000	COBI-PW
Sands Road 2	6/16/2005	4761000	COBI-PW
Sands Road 2	7/15/2005	5437000	COBI-PW
Sands Road 2	8/16/2005	8507000	COBI-PW
Sands Road 2	9/13/2005	6375000	COBI-PW
Sands Road 2	10/18/2005	4104000	COBI-PW
Sands Road 2	11/16/2005	4142000	COBI-PW
Sands Road 2	12/15/2005	3934000	COBI-PW
Sands Road 2	1/12/2006	3499000	COBI-PW
Sands Road 2	2/15/2006	4608000	COBI-PW
Sands Road 2	3/16/2006	3836000	COBI-PW
Sands Road 2	4/17/2006	5770000	COBI-PW
Sands Road 2	5/16/2006	7130000	COBI-PW
Sands Road 2	6/15/2006	6684000	COBI-PW
Sands Road 2	7/13/2006	6655000	COBI-PW
Sands Road 2	8/17/2006	9197000	COBI-PW
Sands Road 2	9/14/2006	4607000	COBI-PW
Sands Road 2	10/12/2006	0	COBI-PW
Sands Road 2	11/14/2006	3661000	COBI-PW
Sands Road 2	12/14/2006	0	COBI-PW
Sands Road 2	1/18/2007	3818000	COBI-PW
Sands Road 2	2/14/2007	3004000	COBI-PW
Sands Road 2	3/12/2007	1059000	COBI-PW
Sands Road 2	4/17/2007	4608000	COBI-PW

Production Well	Measurement Date	Production Voulme	Technician
Sands Road 2	5/16/2007	4155000	COBI-PW
Sands Road 2	6/14/2007	5203000	COBI-PW
Sands Road 2	7/17/2007	0	COBI-PW
Sands Road 2	8/14/2007	13559000	COBI-PW
Sands Road 2	9/18/2007	7193000	COBI-PW
Sands Road 2	10/17/2007	3743000	COBI-PW
Sands Road 2	11/19/2007	3798000	COBI-PW
Sands Road 2	12/18/2007	3215000	COBI-PW
Sands Road 2	1/16/2008	3861000	COBI-PW
Sands Road 2	2/14/2008	4285000	COBI-PW
Sands Road 2	3/12/2008	3528000	COBI-PW
Sands Road 2	4/15/2008	4843000	COBI-PW
Sands Road 2	5/19/2008	5185000	COBI-PW
Sands Road 2	6/17/2008	5069000	COBI-PW
Sands Road 2	7/18/2008	6514000	COBI-PW
Sands Road 2	8/14/2008	5850000	COBI-PW
Sands Road 2	9/16/2008	5438000	COBI-PW
Sands Road 2	1/15/2009	3178350	COBI-PW
Sands Road 2	2/11/2009	2494248	COBI-PW
Sands Road 2	3/13/2009	1818218	COBI-PW
Sands Road 2	4/15/2009	3694958	COBI-PW
Sands Road 2	5/14/2009	0	COBI-PW
Sands Road 2	6/17/2009	10893164	COBI-PW
Sands Road 2	7/15/2009	5621139	COBI-PW
Sands Road 2	8/13/2009	6852119	COBI-PW
Sands Road 2	9/15/2009	5290187	COBI-PW
Sands Road 2	10/14/2009	3459861	COBI-PW
Sands Road 2	11/17/2009	3772651	COBI-PW
Sands Road 2	12/16/2009	2878677	COBI-PW
Sands Road 2	1/15/2010	2896410	COBI-PW
Sands Road 2	2/18/2010	1991910	COBI-PW
Sands Road 2	3/16/2010	2406975	COBI-PW
Sands Road 2	4/14/2010	850230	COBI-PW
Sands Road 2	5/13/2010	2781840	COBI-PW
Sands Road 2	6/23/2010	5542575	COBI-PW
Sands Road 2	7/13/2010	2835105	COBI-PW
Sands Road 2	8/20/2010	7401825	COBI-PW
Sands Road 2	9/15/2010	4094370	COBI-PW
Sands Road 2	10/15/2010	3360720	COBI-PW
Sands Road 2	11/12/2010	3213990	COBI-PW
Sands Road 2	12/15/2010	2030100	COBI-PW
Sands Road 2	1/18/2011	4045032	COBI-PW
Sands Road 2	2/22/2011	3709044	COBI-PW
Sands Road 2	3/15/2011	1415322	COBI-PW
Sands Road 2	4/19/2011	3219336	COBI-PW
Sands Road 2	5/17/2011	2231136	COBI-PW
Sands Road 2	6/15/2011	4841082	COBI-PW
Sands Road 2	7/20/2011	6571530	COBI-PW
Sands Road 2	8/18/2011	6337656	COBI-PW
Sands Road 2	9/14/2011	5723874	COBI-PW
Sands Road 2	10/20/2011	6320088	COBI-PW

Production Well	Measurement Date	Production Voulme	Technician
Sands Road 2	11/16/2011	3544344	COBI-PW
Sands Road 2	12/16/2011	3661830	COBI-PW
Sands Road 2	1/12/2012	3452112	COBI-PW
Sands Road 2	2/15/2012	4169106	COBI-PW
Sands Road 2	3/19/2012	1973106	COBI-PW
Sands Road 2	4/17/2012	3135888	COBI-PW
Sands Road 2	5/10/2012	1752408	COBI-PW
Sands Road 2	6/19/2012	4589640	COBI-PW
Sands Road 2	7/18/2012	4322826	COBI-PW
Sands Road 2	8/20/2012	5939082	COBI-PW
Sands Road 2	9/18/2012	5090328	COBI-PW
Sands Road 2	10/16/2012	5378004	COBI-PW
Sands Road 2	11/14/2012	3483954	COBI-PW
Sands Road 2	12/20/2012	4289886	COBI-PW
Sands Road 2	1/17/2013	3055734	COBI-PW
Sands Road 2	2/12/2013	2921778	COBI-PW
Sands Road 2	3/19/2013	4927824	COBI-PW
Sands Road 2	4/15/2013	5939082	COBI-PW
Sands Road 2	5/15/2013	5331888	COBI-PW
Sands Road 2	6/19/2013	7651962	COBI-PW
Sands Road 2	7/19/2013	7411500	COBI-PW
Sands Road 2	8/16/2013	6171858	COBI-PW
Sands Road 2	9/19/2013	5413140	COBI-PW
Sands Road 2	10/25/2013	3097458	COBI-PW
Sands Road 2	11/21/2013	1080432	COBI-PW
Sands Road 2	12/12/2013	1388970	COBI-PW
Sands Road 2	1/21/2014	3976020	COBI-PW
Sands Road 2	2/21/2014	3320315	COBI-PW
Sands Road 2	3/20/2014	2557150	COBI-PW
Sands Road 2	4/22/2014	3743190	COBI-PW
Sands Road 2	5/19/2014	3386980	COBI-PW
Sands Road 2	6/17/2014	5650605	COBI-PW
Sands Road 2	7/16/2014	5849605	COBI-PW
Sands Road 2	8/26/2014	7888360	COBI-PW
Sands Road 2	9/18/2014	3634735	COBI-PW
Sands Road 2	10/15/2014	4014825	COBI-PW
Sands Road 2	11/19/2014	4562075	COBI-PW
Sands Road 2	12/22/2014	2334270	COBI-PW
Sands Road 2	1/15/2015	2579040	COBI-PW
Sands Road 2	2/17/2015	782070	COBI-PW
Sands Road 2	3/16/2015	3364095	COBI-PW
Sands Road 2	4/21/2015	4183975	COBI-PW
Sands Road 2	5/21/2015	3256635	COBI-PW
Sands Road 2	6/23/2015	5647620	COBI-PW
Sands Road 2	7/16/2015	5415785	COBI-PW
Sands Road 2	8/17/2015	7083405	COBI-PW
Sands Road 2	9/21/2015	5472500	COBI-PW
Sands Road 2	10/14/2015	1423845	COBI-PW
Sands Road 2	11/20/2015	68655	COBI-PW
Sands Road 2	12/21/2015	0	COBI-PW
Sands Road 2	1/26/2016	0	COBI-PW

Production Well	Measurement Date	Production Voulme	Technician
Sands Road 2	2/24/2016	0	COBI-PW
Sands Road 2	3/21/2016	17910	COBI-PW
Sands Road 2	4/25/2016	328350	COBI-PW
Sands Road 2	5/18/2016	4888435	COBI-PW
Sands Road 2	6/22/2016	6142135	COBI-PW
Sands Road 2	7/20/2016	5984925	COBI-PW
Sands Road 2	8/15/2016	5742145	COBI-PW
Sands Road 2	10/3/2016	8296310	COBI-PW
Sands Road 2	10/26/2016	2835750	COBI-PW
Sands Road 2	11/30/2016	3863585	COBI-PW
Sands Road 2	12/29/2016	2622820	COBI-PW
Sands Road 2	1/24/2017	2285515	COBI-PW
Sands Road 2	2/23/2017	2427800	COBI-PW
Sands Road 2	3/23/2017	1519365	COBI-PW
Sands Road 2	4/19/2017	1559165	COBI-PW
Sands Road 2	5/22/2017	747245	COBI-PW
Sands Road 2	6/23/2017	3340215	COBI-PW
Sands Road 2	7/18/2017	5323250	COBI-PW
Sands Road 2	8/15/2017	6109300	COBI-PW
Sands Road 2	9/20/2017	7904280	COBI-PW
Sands Road 2	10/18/2017	4177010	COBI-PW
Sands Road 2	11/22/2017	4095420	COBI-PW
Sands Road 2	12/14/2017	2825800	COBI-PW
Sands Road 2	1/22/2018	4515310	COBI-PW
Sands Road 2	2/13/2018	2567100	COBI-PW
Sands Road 2	3/19/2018	2639735	COBI-PW
Sands Road 2	4/18/2018	1777070	COBI-PW
Sands Road 2	5/17/2018	4203875	COBI-PW
Sands Road 2	6/14/2018	4807840	COBI-PW
Sands Road 2	7/19/2018	6955050	COBI-PW
Sands Road 2	8/16/2018	7849555	COBI-PW
Sands Road 2	9/15/2018	0	COBI-PW
Sands Road 2	10/17/2018	9704235	COBI-PW
Sands Road 2	11/14/2018	2435760	COBI-PW
Sands Road 2	12/17/2018	2971070	COBI-PW
Sands Road 2	1/16/2019	1107000	COBI-PW
Sands Road 2	2/21/2019	3439000	COBI-PW
Sands Road 2	3/18/2019	3255000	COBI-PW
Sands Road 2	4/16/2019	3600000	COBI-PW
Sands Road 2	5/16/2019	4877000	COBI-PW
Sands Road 2	6/18/2019	6332000	COBI-PW
Sands Road 2	7/17/2019	6410000	COBI-PW
Sands Road 2	8/16/2019	6752000	COBI-PW
Sands Road 2	9/20/2019	7119000	COBI-PW
Sands Road 2	10/16/2019	3406000	COBI-PW
Sands Road 2	11/18/2019	3749000	COBI-PW
Sands Road 2	12/16/2019	2886000	COBI-PW
Sands Road 2	1/16/2020	4255000	COBI-PW
Sands Road 2	2/19/2020	3800000	COBI-PW
Sands Road 2	3/17/2020	2783000	COBI-PW
Sands Road 2	4/20/2020	5207000	COBI-PW

Production Well	Measurement Date	Production Voulme	Technician
Sands Road 2	5/19/2020	4860000	COBI-PW
Sands Road 2	6/17/2020	5342000	COBI-PW
Sands Road 2	7/16/2020	5634000	COBI-PW
Sands Road 2	8/18/2020	7868000	COBI-PW
Sands Road 2	9/17/2020	6347000	COBI-PW
Sands Road 2	10/16/2020	4244000	COBI-PW
Sands Road 2	11/19/2020	4686000	COBI-PW
Sands Road 2	12/17/2020	3451000	COBI-PW
Sands Road 2	1/20/2021	3612000	COBI-PW
Sands Road 2	2/23/2021	4330000	COBI-PW
Sands Road 2	3/18/2021	2040000	COBI-PW
Sands Road 2	5/19/2021	8189000	COBI-PW
Sands Road 2	6/17/2021	5641000	COBI-PW
Sands Road 2	7/15/2021	7510000	COBI-PW
Sands Road 2	8/18/2021	8768000	COBI-PW
Sands Road 2	9/14/2021	6191000	COBI-PW
Sands Road 2	10/18/2021	5710000	COBI-PW
Sands Road 2	11/16/2021	4374000	COBI-PW
Sands Road 2	12/20/2021	4770000	COBI-PW
South Bainbridge Well 10	1/31/2020	0	KPUD
South Bainbridge Well 10	2/29/2020	200	KPUD
South Bainbridge Well 10	3/31/2020	0	KPUD
South Bainbridge Well 10	4/30/2020	0	KPUD
South Bainbridge Well 10	5/31/2020	0	KPUD
South Bainbridge Well 10	6/30/2020	0	KPUD
South Bainbridge Well 10	7/31/2020	26600	KPUD
South Bainbridge Well 10	8/31/2020	73400	KPUD
South Bainbridge Well 10	9/30/2020	64900	KPUD
South Bainbridge Well 10	10/31/2020	4900	KPUD
South Bainbridge Well 10	11/30/2020	0	KPUD
South Bainbridge Well 10	12/31/2020	0	KPUD
South Bainbridge WS Well 7	7/31/2015	9283800	KPUD
South Bainbridge WS Well 7	8/31/2015	8287100	KPUD
South Bainbridge WS Well 7	9/30/2015	4445600	KPUD
South Bainbridge WS Well 7	10/31/2015	3630500	KPUD
South Bainbridge WS Well 7	11/30/2015	2993500	KPUD
South Bainbridge WS Well 7	12/31/2015	3144900	KPUD
South Bainbridge WS Well 7	1/31/2016	3069800	KPUD
South Bainbridge WS Well 7	2/29/2016	2945500	KPUD
South Bainbridge WS Well 7	3/31/2016	2840700	KPUD
South Bainbridge WS Well 7	4/30/2016	3708500	KPUD
South Bainbridge WS Well 7	5/31/2016	5202300	KPUD
South Bainbridge WS Well 7	6/30/2016	7253200	KPUD
South Bainbridge WS Well 7	7/31/2016	7085900	KPUD
South Bainbridge WS Well 7	8/31/2016	9242100	KPUD
South Bainbridge WS Well 7	9/30/2016	4820600	KPUD
South Bainbridge WS Well 7	10/31/2016	3523100	KPUD
South Bainbridge WS Well 7	11/30/2016	38300	KPUD
South Bainbridge WS Well 7	12/31/2016	358300	KPUD
South Bainbridge WS Well 7	1/31/2017	0	KPUD
South Bainbridge WS Well 7	2/28/2017	0	KPUD

Production Well	Measurement Date	Production Voulme	Technician
South Bainbridge WS Well 7	3/31/2017	400	KPUD
South Bainbridge WS Well 7	4/30/2017	8800	KPUD
South Bainbridge WS Well 7	5/31/2017	482200	KPUD
South Bainbridge WS Well 7	6/30/2017	6321400	KPUD
South Bainbridge WS Well 7	7/31/2017	10255200	KPUD
South Bainbridge WS Well 7	8/31/2017	10191500	KPUD
South Bainbridge WS Well 7	9/30/2017	8976900	KPUD
South Bainbridge WS Well 7	10/31/2017	8896400	KPUD
South Bainbridge WS Well 7	11/30/2017	4884900	KPUD
South Bainbridge WS Well 7	12/31/2017	2632000	KPUD
South Bainbridge WS Well 7	1/31/2018	4259200	KPUD
South Bainbridge WS Well 7	2/28/2018	659800	KPUD
South Bainbridge WS Well 7	3/31/2018	3950000	KPUD
South Bainbridge WS Well 7	4/30/2018	0	KPUD
South Bainbridge WS Well 7	5/31/2018	4620000	KPUD
South Bainbridge WS Well 7	6/30/2018	0	KPUD
South Bainbridge WS Well 7	7/31/2018	9795200	KPUD
South Bainbridge WS Well 7	8/31/2018	9411700	KPUD
South Bainbridge WS Well 7	9/30/2018	6282700	KPUD
South Bainbridge WS Well 7	10/31/2018	2265800	KPUD
South Bainbridge WS Well 7	11/30/2018	0	KPUD
South Bainbridge WS Well 7	12/31/2018	0	KPUD
South Bainbridge WS Well 7	1/31/2019	0	KPUD
South Bainbridge WS Well 7	2/28/2019	0	KPUD
South Bainbridge WS Well 7	3/31/2019	7411300	KPUD
South Bainbridge WS Well 7	4/30/2019	8938800	KPUD
South Bainbridge WS Well 7	5/31/2019	5736500	KPUD
South Bainbridge WS Well 7	6/30/2019	6546200	KPUD
South Bainbridge WS Well 7	7/31/2019	6318600	KPUD
South Bainbridge WS Well 7	8/31/2019	8032900	KPUD
South Bainbridge WS Well 7	9/30/2019	3361800	KPUD
South Bainbridge WS Well 7	10/31/2019	0	KPUD
South Bainbridge WS Well 7	11/30/2019	0	KPUD
South Bainbridge WS Well 7	12/31/2019	2808000	KPUD
South Bainbridge WS Well 7	1/31/2020	7741400	KPUD
South Bainbridge WS Well 7	2/29/2020	7554400	KPUD
South Bainbridge WS Well 7	3/31/2020	6527700	KPUD
South Bainbridge WS Well 7	4/30/2020	3756900	KPUD
South Bainbridge WS Well 7	5/31/2020	5042400	KPUD
South Bainbridge WS Well 7	6/30/2020	5732600	KPUD
South Bainbridge WS Well 7	7/31/2020	8278600	KPUD
South Bainbridge WS Well 7	8/31/2020	8569500	KPUD
South Bainbridge WS Well 7	9/30/2020	7517900	KPUD
South Bainbridge WS Well 7	10/31/2020	2994400	KPUD
South Bainbridge WS Well 7	11/30/2020	0	KPUD
South Bainbridge WS Well 7	12/31/2020	0	KPUD
South Bainbridge WS Well 7	1/31/2021	0	KPUD
South Bainbridge WS Well 7	2/28/2021	0	KPUD
South Bainbridge WS Well 7	3/31/2021	0	KPUD
South Bainbridge WS Well 7	4/30/2021	3013100	KPUD
South Bainbridge WS Well 7	5/31/2021	5283500	KPUD

Production Well	Measurement Date	Production Voulme	Technician
South Bainbridge WS Well 7	6/30/2021	9361200	KPUD
South Bainbridge WS Well 7	7/31/2021	9610200	KPUD
South Bainbridge WS Well 7	8/31/2021	9348600	KPUD
South Bainbridge WS Well 7	9/30/2021	7136500	KPUD
South Bainbridge WS Well 7	10/31/2021	3902400	KPUD
South Bainbridge WS Well 7	11/30/2021	3687600	KPUD
South Bainbridge WS Well 7	12/31/2021	0	KPUD
South Bainbridge WS Well 8	7/31/2015	9851520	KPUD
South Bainbridge WS Well 8	8/31/2015	8451500	KPUD
South Bainbridge WS Well 8	9/30/2015	4572700	KPUD
South Bainbridge WS Well 8	10/31/2015	3743800	KPUD
South Bainbridge WS Well 8	11/30/2015	3130700	KPUD
South Bainbridge WS Well 8	12/31/2015	3320400	KPUD
South Bainbridge WS Well 8	1/31/2016	3279000	KPUD
South Bainbridge WS Well 8	2/29/2016	3142900	KPUD
South Bainbridge WS Well 8	3/31/2016	3064800	KPUD
South Bainbridge WS Well 8	4/30/2016	4161000	KPUD
South Bainbridge WS Well 8	5/31/2016	5939300	KPUD
South Bainbridge WS Well 8	6/30/2016	8378600	KPUD
South Bainbridge WS Well 8	7/31/2016	8189200	KPUD
South Bainbridge WS Well 8	8/31/2016	10720800	KPUD
South Bainbridge WS Well 8	9/30/2016	7252000	KPUD
South Bainbridge WS Well 8	10/31/2016	4160700	KPUD
South Bainbridge WS Well 8	11/30/2016	5291700	KPUD
South Bainbridge WS Well 8	12/31/2016	6878200	KPUD
South Bainbridge WS Well 8	1/31/2017	5428700	KPUD
South Bainbridge WS Well 8	2/28/2017	0	KPUD
South Bainbridge WS Well 8	3/31/2017	5868200	KPUD
South Bainbridge WS Well 8	4/30/2017	5228800	KPUD
South Bainbridge WS Well 8	5/31/2017	8125400	KPUD
South Bainbridge WS Well 8	6/30/2017	7013600	KPUD
South Bainbridge WS Well 8	7/31/2017	10931400	KPUD
South Bainbridge WS Well 8	8/31/2017	9953600	KPUD
South Bainbridge WS Well 8	9/30/2017	5782200	KPUD
South Bainbridge WS Well 8	10/31/2017	30706	KPUD
South Bainbridge WS Well 8	11/30/2017	2182694	KPUD
South Bainbridge WS Well 8	12/31/2017	3037900	KPUD
South Bainbridge WS Well 8	1/31/2018	2311700	KPUD
South Bainbridge WS Well 8	2/28/2018	1494700	KPUD
South Bainbridge WS Well 8	3/31/2018	4828800	KPUD
South Bainbridge WS Well 8	4/30/2018	0	KPUD
South Bainbridge WS Well 8	5/31/2018	24751900	KPUD
South Bainbridge WS Well 8	6/30/2018	8719300	KPUD
South Bainbridge WS Well 8	7/31/2018	10901300	KPUD
South Bainbridge WS Well 8	8/31/2018	9983200	KPUD
South Bainbridge WS Well 8	9/30/2018	6871600	KPUD
South Bainbridge WS Well 8	10/31/2018	5558900	KPUD
South Bainbridge WS Well 8	11/30/2018	5385200	KPUD
South Bainbridge WS Well 8	12/31/2018	6337500	KPUD
South Bainbridge WS Well 8	1/31/2019	5991100	KPUD
South Bainbridge WS Well 8	2/28/2019	5394500	KPUD

Production Well	Measurement Date	Production Voulme	Technician
South Bainbridge WS Well 8	3/31/2019	0	KPUD
South Bainbridge WS Well 8	4/30/2019	0	KPUD
South Bainbridge WS Well 8	5/31/2019	7551700	KPUD
South Bainbridge WS Well 8	6/30/2019	9302500	KPUD
South Bainbridge WS Well 8	7/31/2019	7247000	KPUD
South Bainbridge WS Well 8	8/31/2019	9030500	KPUD
South Bainbridge WS Well 8	9/30/2019	7421400	KPUD
South Bainbridge WS Well 8	10/31/2019	6745300	KPUD
South Bainbridge WS Well 8	11/30/2019	4583400	KPUD
South Bainbridge WS Well 8	12/31/2019	4774700	KPUD
South Bainbridge WS Well 8	1/31/2020	0	KPUD
South Bainbridge WS Well 8	2/29/2020	0	KPUD
South Bainbridge WS Well 8	3/31/2020	943900	KPUD
South Bainbridge WS Well 8	4/30/2020	4403600	KPUD
South Bainbridge WS Well 8	5/31/2020	5948900	KPUD
South Bainbridge WS Well 8	6/30/2020	6166700	KPUD
South Bainbridge WS Well 8	7/31/2020	10523800	KPUD
South Bainbridge WS Well 8	8/31/2020	10283400	KPUD
South Bainbridge WS Well 8	9/30/2020	8950700	KPUD
South Bainbridge WS Well 8	10/31/2020	6722100	KPUD
South Bainbridge WS Well 8	11/30/2020	5673900	KPUD
South Bainbridge WS Well 8	12/31/2020	6369300	KPUD
South Bainbridge WS Well 8	1/31/2021	5664000	KPUD
South Bainbridge WS Well 8	2/28/2021	5674400	KPUD
South Bainbridge WS Well 8	3/31/2021	7393500	KPUD
South Bainbridge WS Well 8	4/30/2021	6122500	KPUD
South Bainbridge WS Well 8	5/31/2021	6060300	KPUD
South Bainbridge WS Well 8	6/30/2021	10816200	KPUD
South Bainbridge WS Well 8	7/31/2021	11064600	KPUD
South Bainbridge WS Well 8	8/31/2021	10855800	KPUD
South Bainbridge WS Well 8	9/30/2021	8657000	KPUD
South Bainbridge WS Well 8	10/31/2021	4927600	KPUD
South Bainbridge WS Well 8	11/30/2021	4714700	KPUD
South Bainbridge WS Well 8	12/31/2021	7777800	KPUD
South Bainbridge WS Well 9	2/28/2018	0	KPUD
South Bainbridge WS Well 9	3/31/2018	0	KPUD
South Bainbridge WS Well 9	4/30/2018	0	KPUD
South Bainbridge WS Well 9	5/31/2018	0	KPUD
South Bainbridge WS Well 9	6/30/2018	0	KPUD
South Bainbridge WS Well 9	7/31/2018	0	KPUD
South Bainbridge WS Well 9	8/31/2018	0	KPUD
South Bainbridge WS Well 9	9/30/2018	0	KPUD
South Bainbridge WS Well 9	10/31/2018	0	KPUD
South Bainbridge WS Well 9	11/30/2018	0	KPUD
South Bainbridge WS Well 9	12/31/2018	0	KPUD
South Bainbridge WS Well 9	1/31/2019	0	KPUD
South Bainbridge WS Well 9	2/28/2019	0	KPUD
South Bainbridge WS Well 9	3/31/2019	0	KPUD
South Bainbridge WS Well 9	4/30/2019	0	KPUD
South Bainbridge WS Well 9	5/31/2019	1110900	KPUD
South Bainbridge WS Well 9	6/30/2019	0	KPUD

Production Well	Measurement Date	Production Voulme	Technician
South Bainbridge WS Well 9	7/31/2019	1643100	KPUD
South Bainbridge WS Well 9	8/31/2019	1879700	KPUD
South Bainbridge WS Well 9	9/30/2019	605900	KPUD
South Bainbridge WS Well 9	10/31/2019	0	KPUD
South Bainbridge WS Well 9	11/30/2019	0	KPUD
South Bainbridge WS Well 9	12/31/2019	0	KPUD
South Bainbridge WS Well 9	1/31/2020	0	KPUD
South Bainbridge WS Well 9	2/29/2020	78100	KPUD
South Bainbridge WS Well 9	3/31/2020	0	KPUD
South Bainbridge WS Well 9	4/30/2020	0	KPUD
South Bainbridge WS Well 9	5/31/2020	105700	KPUD
South Bainbridge WS Well 9	6/30/2020	2043600	KPUD
South Bainbridge WS Well 9	7/31/2020	0	KPUD
South Bainbridge WS Well 9	8/31/2020	1039300	KPUD
South Bainbridge WS Well 9	9/30/2020	957700	KPUD
South Bainbridge WS Well 9	10/31/2020	191600	KPUD
South Bainbridge WS Well 9	11/30/2020	0	KPUD
South Bainbridge WS Well 9	12/31/2020	0	KPUD
South Bainbridge WS Well 9	1/31/2021	0	KPUD
South Bainbridge WS Well 9	2/28/2021	0	KPUD
South Bainbridge WS Well 9	3/31/2021	0	KPUD
South Bainbridge WS Well 9	4/30/2021	0	KPUD
South Bainbridge WS Well 9	5/31/2021	0	KPUD
South Bainbridge WS Well 9	6/30/2021	797300	KPUD
South Bainbridge WS Well 9	7/31/2021	1845600	KPUD
South Bainbridge WS Well 9	8/31/2021	1727700	KPUD
South Bainbridge WS Well 9	9/30/2021	133100	KPUD
South Bainbridge WS Well 9	10/31/2021	0	KPUD
South Bainbridge WS Well 9	11/30/2021	0	KPUD
South Bainbridge WS Well 9	12/31/2021	0	KPUD
Taylor Road Well	6/15/2001	585000	not specified
Taylor Road Well	7/15/2001	773000	not specified
Taylor Road Well	8/15/2001	777000	not specified
Taylor Road Well	9/15/2001	604000	not specified
Taylor Road Well	10/15/2001	447000	not specified
Taylor Road Well	11/15/2001	386000	not specified
Taylor Road Well	12/15/2001	394000	not specified
Taylor Road Well	1/15/2002	391000	not specified
Taylor Road Well	2/15/2002	294000	not specified
Taylor Road Well	3/15/2002	347000	not specified
Taylor Road Well	4/15/2002	382000	not specified
Taylor Road Well	5/15/2002	433000	not specified
Taylor Road Well	6/15/2002	789000	not specified
Taylor Road Well	7/15/2002	929000	not specified
Taylor Road Well	8/15/2002	1034000	not specified
Taylor Road Well	9/15/2002	816000	not specified
Taylor Road Well	10/15/2002	501000	not specified
Taylor Road Well	11/15/2002	436000	not specified
Taylor Road Well	12/15/2002	350000	not specified
Taylor Road Well	1/15/2003	292000	not specified
Taylor Road Well	2/15/2003	273000	not specified

Production Well	Measurement Date	Production Voulme	Technician
Taylor Road Well	3/15/2003	326000	not specified
Taylor Road Well	4/15/2003	346000	not specified
Taylor Road Well	5/15/2003	520000	not specified
Taylor Road Well	6/15/2003	1016000	not specified
Taylor Road Well	7/15/2003	1349000	not specified
Taylor Road Well	8/15/2003	1149000	not specified
Taylor Road Well	9/15/2003	791000	not specified
Taylor Road Well	10/15/2003	392000	not specified
Taylor Road Well	11/15/2003	295000	not specified
Taylor Road Well	12/15/2003	361000	not specified
Taylor Road Well	1/15/2004	375000	not specified
Taylor Road Well	2/15/2004	286000	not specified
Taylor Road Well	3/15/2004	344000	not specified
Taylor Road Well	4/15/2004	487000	not specified
Taylor Road Well	5/15/2004	667000	not specified
Taylor Road Well	6/15/2004	938000	not specified
Taylor Road Well	7/15/2004	1095000	not specified
Taylor Road Well	8/15/2004	911000	not specified
Taylor Road Well	9/15/2004	521000	not specified
Taylor Road Well	10/15/2004	378000	not specified
Taylor Road Well	11/15/2004	430000	not specified
Taylor Road Well	12/17/2004	533000	COBI-PW
Taylor Road Well	1/13/2005	509000	COBI-PW
Taylor Road Well	2/15/2005	342000	COBI-PW
Taylor Road Well	3/17/2005	354000	COBI-PW
Taylor Road Well	4/15/2005	322000	COBI-PW
Taylor Road Well	5/17/2005	418000	COBI-PW
Taylor Road Well	6/16/2005	533000	COBI-PW
Taylor Road Well	7/15/2005	796000	COBI-PW
Taylor Road Well	8/16/2005	1103000	COBI-PW
Taylor Road Well	9/13/2005	961000	COBI-PW
Taylor Road Well	10/18/2005	780000	COBI-PW
Taylor Road Well	11/16/2005	406000	COBI-PW
Taylor Road Well	12/15/2005	341000	COBI-PW
Taylor Road Well	1/12/2006	347000	COBI-PW
Taylor Road Well	2/15/2006	298000	COBI-PW
Taylor Road Well	3/16/2006	261000	COBI-PW
Taylor Road Well	4/17/2006	290000	COBI-PW
Taylor Road Well	5/16/2006	412000	COBI-PW
Taylor Road Well	6/15/2006	485000	COBI-PW
Taylor Road Well	7/13/2006	843000	COBI-PW
Taylor Road Well	8/17/2006	1362000	COBI-PW
Taylor Road Well	9/14/2006	947000	COBI-PW
Taylor Road Well	10/12/2006	423000	COBI-PW
Taylor Road Well	11/14/2006	365000	COBI-PW
Taylor Road Well	12/14/2006	332000	COBI-PW
Taylor Road Well	1/18/2007	326000	COBI-PW
Taylor Road Well	2/14/2007	276000	COBI-PW
Taylor Road Well	3/12/2007	205000	COBI-PW
Taylor Road Well	4/17/2007	357000	COBI-PW
Taylor Road Well	5/16/2007	391000	COBI-PW

Production Well	Measurement Date	Production Voulme	Technician
Taylor Road Well	6/14/2007	681000	COBI-PW
Taylor Road Well	7/17/2007	1061000	COBI-PW
Taylor Road Well	8/14/2007	751000	COBI-PW
Taylor Road Well	9/18/2007	912000	COBI-PW
Taylor Road Well	10/17/2007	392000	COBI-PW
Taylor Road Well	11/19/2007	317000	COBI-PW
Taylor Road Well	12/18/2007	261000	COBI-PW
Taylor Road Well	1/16/2008	271000	COBI-PW
Taylor Road Well	2/14/2008	276000	COBI-PW
Taylor Road Well	3/12/2008	244000	COBI-PW
Taylor Road Well	4/15/2008	318000	COBI-PW
Taylor Road Well	5/19/2008	370000	COBI-PW
Taylor Road Well	6/17/2008	530000	COBI-PW
Taylor Road Well	7/18/2008	846000	COBI-PW
Taylor Road Well	8/14/2008	833000	COBI-PW
Taylor Road Well	9/16/2008	792000	COBI-PW
Taylor Road Well	1/15/2009	379080	COBI-PW
Taylor Road Well	2/11/2009	264384	COBI-PW
Taylor Road Well	3/13/2009	277992	COBI-PW
Taylor Road Well	4/15/2009	327564	COBI-PW
Taylor Road Well	5/14/2009	278964	COBI-PW
Taylor Road Well	6/17/2009	614304	COBI-PW
Taylor Road Well	7/15/2009	846612	COBI-PW
Taylor Road Well	8/13/2009	981720	COBI-PW
Taylor Road Well	9/15/2009	892296	COBI-PW
Taylor Road Well	10/14/2009	583200	COBI-PW
Taylor Road Well	11/17/2009	493776	COBI-PW
Taylor Road Well	12/16/2009	360612	COBI-PW
Taylor Road Well	1/15/2010	250776	COBI-PW
Taylor Road Well	2/18/2010	319788	COBI-PW
Taylor Road Well	3/16/2010	297432	COBI-PW
Taylor Road Well	4/14/2010	241056	COBI-PW
Taylor Road Well	5/13/2010	272160	COBI-PW
Taylor Road Well	6/23/2010	494748	COBI-PW
Taylor Road Well	7/13/2010	472392	COBI-PW
Taylor Road Well	8/20/2010	1232496	COBI-PW
Taylor Road Well	9/15/2010	604584	COBI-PW
Taylor Road Well	10/15/2010	356724	COBI-PW
Taylor Road Well	11/12/2010	407268	COBI-PW
Taylor Road Well	12/15/2010	270216	COBI-PW
Taylor Road Well	1/18/2011	331000	COBI-PW
Taylor Road Well	2/22/2011	326000	COBI-PW
Taylor Road Well	3/15/2011	186000	COBI-PW
Taylor Road Well	4/19/2011	436000	COBI-PW
Taylor Road Well	5/17/2011	314000	COBI-PW
Taylor Road Well	6/15/2011	407000	COBI-PW
Taylor Road Well	7/20/2011	875000	COBI-PW
Taylor Road Well	8/18/2011	859000	COBI-PW
Taylor Road Well	9/14/2011	883000	COBI-PW
Taylor Road Well	10/20/2011	689000	COBI-PW
Taylor Road Well	11/16/2011	260000	COBI-PW

Production Well	Measurement Date	Production Voulme	Technician
Taylor Road Well	12/16/2011	272000	COBI-PW
Taylor Road Well	1/12/2012	243000	COBI-PW
Taylor Road Well	2/15/2012	315000	COBI-PW
Taylor Road Well	3/19/2012	277000	COBI-PW
Taylor Road Well	4/17/2012	250000	COBI-PW
Taylor Road Well	5/10/2012	243000	COBI-PW
Taylor Road Well	6/19/2012	622000	COBI-PW
Taylor Road Well	7/18/2012	568000	COBI-PW
Taylor Road Well	8/20/2012	865000	COBI-PW
Taylor Road Well	9/18/2012	751000	COBI-PW
Taylor Road Well	10/16/2012	667000	COBI-PW
Taylor Road Well	11/14/2012	297000	COBI-PW
Taylor Road Well	12/20/2012	440000	COBI-PW
Taylor Road Well	1/17/2013	230000	COBI-PW
Taylor Road Well	2/12/2013	186000	COBI-PW
Taylor Road Well	3/19/2013	235000	COBI-PW
Taylor Road Well	4/15/2013	257000	COBI-PW
Taylor Road Well	5/15/2013	382000	COBI-PW
Taylor Road Well	6/19/2013	669000	COBI-PW
Taylor Road Well	7/19/2013	767000	COBI-PW
Taylor Road Well	8/16/2013	817000	COBI-PW
Taylor Road Well	9/19/2013	797000	COBI-PW
Taylor Road Well	10/25/2013	408000	COBI-PW
Taylor Road Well	11/21/2013	231000	COBI-PW
Taylor Road Well	12/12/2013	239000	COBI-PW
Taylor Road Well	1/21/2014	364000	COBI-PW
Taylor Road Well	2/21/2014	226000	COBI-PW
Taylor Road Well	3/20/2014	217000	COBI-PW
Taylor Road Well	4/22/2014	361000	COBI-PW
Taylor Road Well	5/19/2014	356000	COBI-PW
Taylor Road Well	6/17/2014	904000	COBI-PW
Taylor Road Well	7/16/2014	1058000	COBI-PW
Taylor Road Well	8/26/2014	1571000	COBI-PW
Taylor Road Well	9/18/2014	812000	COBI-PW
Taylor Road Well	10/15/2014	662000	COBI-PW
Taylor Road Well	11/19/2014	403000	COBI-PW
Taylor Road Well	12/22/2014	340000	COBI-PW
Taylor Road Well	1/15/2015	228000	COBI-PW
Taylor Road Well	2/17/2015	293000	COBI-PW
Taylor Road Well	3/16/2015	243000	COBI-PW
Taylor Road Well	4/21/2015	364000	COBI-PW
Taylor Road Well	5/21/2015	422000	COBI-PW
Taylor Road Well	6/23/2015	1022000	COBI-PW
Taylor Road Well	7/16/2015	913000	COBI-PW
Taylor Road Well	8/17/2015	1171000	COBI-PW
Taylor Road Well	9/21/2015	926000	COBI-PW
Taylor Road Well	10/14/2015	317000	COBI-PW
Taylor Road Well	11/20/2015	342000	COBI-PW
Taylor Road Well	12/21/2015	325000	COBI-PW
Taylor Road Well	1/26/2016	341000	COBI-PW
Taylor Road Well	2/24/2016	210000	COBI-PW

Production Well	Measurement Date	Production Voulme	Technician
Taylor Road Well	3/21/2016	230000	COBI-PW
Taylor Road Well	4/25/2016	399000	COBI-PW
Taylor Road Well	5/18/2016	410000	COBI-PW
Taylor Road Well	6/22/2016	837000	COBI-PW
Taylor Road Well	7/20/2016	751000	COBI-PW
Taylor Road Well	8/15/2016	697000	COBI-PW
Taylor Road Well	10/3/2016	1125000	COBI-PW
Taylor Road Well	10/26/2016	252000	COBI-PW
Taylor Road Well	11/30/2016	360000	COBI-PW
Taylor Road Well	12/29/2016	263000	COBI-PW
Taylor Road Well	1/24/2017	232000	COBI-PW
Taylor Road Well	2/23/2017	224000	COBI-PW
Taylor Road Well	3/23/2017	215000	COBI-PW
Taylor Road Well	4/19/2017	208000	COBI-PW
Taylor Road Well	5/22/2017	292000	COBI-PW
Taylor Road Well	6/23/2017	618000	COBI-PW
Taylor Road Well	7/18/2017	843000	COBI-PW
Taylor Road Well	8/15/2017	1009000	COBI-PW
Taylor Road Well	9/20/2017	1109000	COBI-PW
Taylor Road Well	10/18/2017	568000	COBI-PW
Taylor Road Well	11/22/2017	440000	COBI-PW
Taylor Road Well	12/14/2017	212000	COBI-PW
Taylor Road Well	1/22/2018	441000	COBI-PW
Taylor Road Well	2/13/2018	217000	COBI-PW
Taylor Road Well	3/19/2018	341000	COBI-PW
Taylor Road Well	4/18/2018	339000	COBI-PW
Taylor Road Well	5/17/2018	444000	COBI-PW
Taylor Road Well	6/14/2018	745000	COBI-PW
Taylor Road Well	7/19/2018	1306000	COBI-PW
Taylor Road Well	8/16/2018	1223000	COBI-PW
Taylor Road Well	9/15/2018	0	COBI-PW
Taylor Road Well	10/17/2018	1625000	COBI-PW
Taylor Road Well	11/14/2018	291000	COBI-PW
Taylor Road Well	12/17/2018	295000	COBI-PW
Taylor Road Well	1/16/2019	341000	COBI-PW
Taylor Road Well	2/21/2019	378000	COBI-PW
Taylor Road Well	3/18/2019	253000	COBI-PW
Taylor Road Well	4/16/2019	302000	COBI-PW
Taylor Road Well	5/16/2019	570000	COBI-PW
Taylor Road Well	6/18/2019	916000	COBI-PW
Taylor Road Well	7/17/2019	987000	COBI-PW
Taylor Road Well	8/16/2019	1105000	COBI-PW
Taylor Road Well	9/20/2019	1061000	COBI-PW
Taylor Road Well	10/16/2019	400000	COBI-PW
Taylor Road Well	11/18/2019	488000	COBI-PW
Taylor Road Well	12/16/2019	355000	COBI-PW
Taylor Road Well	1/16/2020	417000	COBI-PW
Taylor Road Well	2/19/2020	380000	COBI-PW
Taylor Road Well	3/17/2020	235000	COBI-PW
Taylor Road Well	4/20/2020	415000	COBI-PW
Taylor Road Well	5/19/2020	461000	COBI-PW

Production Well	Measurement Date	Production Voulme	Technician
Taylor Road Well	6/17/2020	645000	COBI-PW
Taylor Road Well	7/16/2020	970000	COBI-PW
Taylor Road Well	8/18/2020	1291000	COBI-PW
Taylor Road Well	9/17/2020	1007000	COBI-PW
Taylor Road Well	10/16/2020	566000	COBI-PW
Taylor Road Well	11/19/2020	453000	COBI-PW
Taylor Road Well	12/17/2020	345000	COBI-PW
Taylor Road Well	1/20/2021	402000	COBI-PW
Taylor Road Well	2/23/2021	411000	COBI-PW
Taylor Road Well	3/18/2021	223000	COBI-PW
Taylor Road Well	5/19/2021	1101000	COBI-PW
Taylor Road Well	6/17/2021	711000	COBI-PW
Taylor Road Well	7/15/2021	1057000	COBI-PW
Taylor Road Well	8/18/2021	1284000	COBI-PW
Taylor Road Well	9/14/2021	948000	COBI-PW
Taylor Road Well	10/18/2021	619000	COBI-PW
Taylor Road Well	11/16/2021	460000	COBI-PW
Taylor Road Well	12/20/2021	345000	COBI-PW
Bloedel Well #2	3/31/1996	26394	not specified
Bloedel Well #2	4/30/1996	30502	not specified
Bloedel Well #2	5/31/1996	31003	not specified
Bloedel Well #2	6/30/1996	67600	not specified
Bloedel Well #2	7/31/1996	112482	not specified
Bloedel Well #2	8/31/1996	99462	not specified
Bloedel Well #2	9/30/1996	169141	not specified
Bloedel Well #2	10/31/1996	42719	not specified
Bloedel Well #2	11/30/1996	31313	not specified
Bloedel Well #2	12/31/1996	33624	not specified
Bloedel Well #2	1/31/1997	19730	not specified
Bloedel Well #2	2/28/1997	28009	not specified
Bloedel Well #2	3/31/1997	29564	not specified
Bloedel Well #2	4/30/1997	29992	not specified
Bloedel Well #2	5/31/1997	48095	not specified
Bloedel Well #2	6/30/1997	93364	not specified
Bloedel Well #2	7/31/1997	111879	not specified
Bloedel Well #2	8/31/1997	266080	not specified
Bloedel Well #2	9/30/1997	75258	not specified
Bloedel Well #2	10/31/1997	23608	not specified
Bloedel Well #2	11/30/1997	64500	not specified
Bloedel Well #2	12/31/1997	18067	not specified
Bloedel Well #2	1/31/1998	22100	not specified
Bloedel Well #2	2/28/1998	18434	not specified
Bloedel Well #2	3/31/1998	24293	not specified
Bloedel Well #2	4/30/1998	40458	not specified
Bloedel Well #2	5/31/1998	187446	not specified
Bloedel Well #2	6/30/1998	63295	not specified
Bloedel Well #2	7/31/1998	149364	not specified
Bloedel Well #2	8/31/1998	254051	not specified
Bloedel Well #2	9/30/1998	230429	not specified
Bloedel Well #2	10/31/1998	50127	not specified
Bloedel Well #2	11/30/1998	28382	not specified

Production Well	Measurement Date	Production Voulme	Technician
Bloedel Well #2	12/31/1998	14625	not specified
Bloedel Well #2	1/31/1999	23296	not specified
Bloedel Well #2	2/28/1999	17130	not specified
Bloedel Well #2	3/31/1999	26939	not specified
Bloedel Well #2	4/30/1999	137928	not specified
Bloedel Well #2	5/31/1999	359926	not specified
Bloedel Well #2	6/30/1999	456825	not specified
Bloedel Well #2	7/31/1999	443992	not specified
Bloedel Well #2	8/31/1999	598344	not specified
Bloedel Well #2	9/30/1999	413574	not specified
Bloedel Well #2	10/31/1999	198233	not specified
Bloedel Well #2	11/30/1999	21854	not specified
Bloedel Well #2	12/31/1999	68616	not specified
Bloedel Well #2	1/31/2000	38815	not specified
Bloedel Well #2	2/29/2000	30043	not specified
Bloedel Well #2	3/31/2000	30863	not specified
Bloedel Well #2	4/30/2000	61816	not specified
Bloedel Well #2	5/31/2000	104909	not specified
Bloedel Well #2	6/30/2000	213244	not specified
Bloedel Well #2	7/31/2000	723377	not specified
Bloedel Well #2	8/31/2000	619811	not specified
Bloedel Well #2	9/30/2000	508159	not specified
Bloedel Well #2	10/31/2000	100041	not specified
Bloedel Well #2	11/30/2000	20139	not specified
Bloedel Well #2	12/31/2000	26359	not specified
Bloedel Well #2	1/31/2001	35809	not specified
Bloedel Well #2	2/28/2001	37683	not specified
Bloedel Well #2	3/31/2001	47856	not specified
Bloedel Well #2	4/30/2001	47737	not specified
Bloedel Well #2	5/31/2001	272229	not specified
Bloedel Well #2	6/30/2001	402559	not specified
Bloedel Well #2	7/31/2001	594368	not specified
Bloedel Well #2	8/31/2001	470068	not specified
Bloedel Well #2	9/30/2001	389636	not specified
Bloedel Well #2	10/31/2001	193258	not specified
Bloedel Well #2	11/30/2001	20805	not specified
Bloedel Well #2	12/31/2001	18476	not specified
Bloedel Well #2	1/31/2002	20011	not specified
Bloedel Well #2	2/28/2002	23037	not specified
Bloedel Well #2	3/31/2002	21703	not specified
Bloedel Well #2	4/30/2002	132276	not specified
Bloedel Well #2	5/31/2002	223275	not specified
Bloedel Well #2	6/30/2002	559190	not specified
Bloedel Well #2	7/31/2002	688786	not specified
Bloedel Well #2	8/31/2002	923849	not specified
Bloedel Well #2	9/30/2002	874348	not specified
Bloedel Well #2	10/31/2002	234892	not specified
Bloedel Well #2	11/30/2002	42457	not specified
Bloedel Well #2	12/31/2002	28220	not specified
Bloedel Well #2	1/31/2003	24658	not specified
Bloedel Well #2	2/28/2003	29470	not specified

Production Well	Measurement Date	Production Voulme	Technician
Bloedel Well #2	3/31/2003	35932	not specified
Bloedel Well #2	4/30/2003	67398	not specified
Bloedel Well #2	5/31/2003	257410	not specified
Bloedel Well #2	6/30/2003	1069615	not specified
Bloedel Well #2	7/31/2003	1200320	not specified
Bloedel Well #2	8/31/2003	1181038	not specified
Bloedel Well #2	9/30/2003	708052	not specified
Bloedel Well #2	10/31/2003	94922	not specified
Bloedel Well #2	11/30/2003	24732	not specified
Bloedel Well #2	12/31/2003	33112	not specified
Bloedel Well #2	1/31/2004	20967	not specified
Bloedel Well #2	2/29/2004	26417	not specified
Bloedel Well #2	3/31/2004	33460	not specified
Bloedel Well #2	4/30/2004	259864	not specified
Bloedel Well #2	5/31/2004	630304	not specified
Bloedel Well #2	6/30/2004	949400	not specified
Bloedel Well #2	7/31/2004	1179530	not specified
Bloedel Well #2	8/31/2004	992100	not specified
Bloedel Well #2	9/30/2004	95465	not specified
Bloedel Well #2	10/31/2004	88335	not specified
Bloedel Well #2	11/30/2004	33190	not specified
Bloedel Well #2	12/31/2004	20859	not specified
Bloedel Well #2	1/31/2005	33290	not specified
Bloedel Well #2	2/28/2005	31945	not specified
Bloedel Well #2	3/31/2005	108280	not specified
Bloedel Well #2	4/30/2005	64570	not specified
Bloedel Well #2	5/31/2005	307675	not specified
Bloedel Well #2	6/30/2005	232640	not specified
Bloedel Well #2	7/31/2005	685635	not specified
Bloedel Well #2	8/31/2005	1422350	not specified
Bloedel Well #2	9/30/2005	429780	not specified
Bloedel Well #2	10/31/2005	97455	not specified
Bloedel Well #2	11/30/2005	25645	not specified
Bloedel Well #2	12/31/2005	24845	not specified
Bloedel Well #2	1/31/2006	34640	not specified
Bloedel Well #2	2/28/2006	28495	not specified
Bloedel Well #2	3/31/2006	55020	not specified
Bloedel Well #2	4/30/2006	68000	not specified
Bloedel Well #2	5/31/2006	350415	not specified
Bloedel Well #2	6/30/2006	457710	not specified
Bloedel Well #2	7/31/2006	1420700	not specified
Bloedel Well #2	8/31/2006	957470	not specified
Bloedel Well #2	9/30/2006	349395	not specified
Bloedel Well #2	10/31/2006	302125	not specified
Bloedel Well #2	11/30/2006	26770	not specified
Bloedel Well #2	12/31/2006	29075	not specified
Bloedel Well #2	1/31/2007	34905	not specified
Bloedel Well #2	2/28/2007	29890	not specified
Bloedel Well #2	3/31/2007	33120	not specified
Bloedel Well #2	4/30/2007	108630	not specified
Bloedel Well #2	5/31/2007	382780	not specified

Production Well	Measurement Date	Production Voulme	Technician
Bloedel Well #2	6/30/2007	464985	not specified
Bloedel Well #2	7/31/2007	1140745	not specified
Bloedel Well #2	8/31/2007	612985	not specified
Bloedel Well #2	9/30/2007	421665	not specified
Bloedel Well #2	10/31/2007	56085	not specified
Bloedel Well #2	11/30/2007	43725	not specified
Bloedel Well #2	12/31/2007	35635	not specified
Bloedel Well #2	1/31/2008	33935	not specified
Bloedel Well #2	2/29/2008	36150	not specified
Bloedel Well #2	3/31/2008	54575	not specified
Bloedel Well #2	4/30/2008	52155	not specified
Bloedel Well #2	5/31/2008	185675	not specified
Bloedel Well #2	6/30/2008	566110	not specified
Bloedel Well #2	7/31/2008	934180	not specified
Bloedel Well #2	8/31/2008	757990	not specified
Bloedel Well #2	9/30/2008	434895	not specified
Bloedel Well #2	10/31/2008	96355	not specified
Bloedel Well #2	11/30/2008	39190	not specified
Bloedel Well #2	12/31/2008	36400	not specified
Bloedel Well #2	1/31/2009	42630	not specified
Bloedel Well #2	2/28/2009	44675	not specified
Bloedel Well #2	3/31/2009	68435	not specified
Bloedel Well #2	4/30/2009	59850	not specified
Bloedel Well #2	5/31/2009	135475	not specified
Bloedel Well #2	6/30/2009	967625	not specified
Bloedel Well #2	7/31/2009	1072530	not specified
Bloedel Well #2	8/31/2009	929550	not specified
Bloedel Well #2	9/30/2009	279140	not specified
Bloedel Well #2	10/31/2009	105660	not specified
Bloedel Well #2	11/30/2009	59285	not specified
Bloedel Well #2	12/31/2009	46934	not specified
Bloedel Well #2	1/31/2010	27910	not specified
Bloedel Well #2	2/28/2010	27790	not specified
Bloedel Well #2	3/31/2010	45430	not specified
Bloedel Well #2	4/30/2010	203194	not specified
Bloedel Well #2	5/31/2010	135255	not specified
Bloedel Well #2	6/30/2010	167445	not specified
Bloedel Well #2	7/31/2010	875220	not specified
Bloedel Well #2	8/31/2010	891870	not specified
Bloedel Well #2	9/30/2010	149155	not specified
Bloedel Well #2	10/31/2010	67965	not specified
Bloedel Well #2	11/30/2010	45770	not specified
Bloedel Well #2	12/31/2010	29160	not specified
Bloedel Well #2	1/31/2011	34435	not specified
Bloedel Well #2	2/28/2011	21135	not specified
Bloedel Well #2	3/31/2011	30045	not specified
Bloedel Well #2	4/30/2011	48215	not specified
Bloedel Well #2	5/31/2011	118570	not specified
Bloedel Well #2	6/30/2011	415200	not specified
Bloedel Well #2	7/31/2011	736435	not specified
Bloedel Well #2	8/31/2011	903705	not specified

Production Well	Measurement Date	Production Voulme	Technician
Bloedel Well #2	9/30/2011	563275	not specified
Bloedel Well #2	10/31/2011	87045	not specified
Bloedel Well #2	11/30/2011	31075	not specified
Bloedel Well #2	12/31/2011	33135	not specified
Bloedel Well #2	1/31/2012	36980	not specified
Bloedel Well #2	2/29/2012	32605	not specified
Bloedel Well #2	3/31/2012	33510	not specified
Bloedel Well #2	4/30/2012	103325	not specified
Bloedel Well #2	5/31/2012	298310	not specified
Bloedel Well #2	6/30/2012	303260	not specified
Bloedel Well #2	7/31/2012	568865	not specified
Bloedel Well #2	8/31/2012	843225	not specified
Bloedel Well #2	9/30/2012	699355	not specified
Bloedel Well #2	10/31/2012	208485	not specified
Bloedel Well #2	11/30/2012	52030	not specified
Bloedel Well #2	12/31/2012	47530	not specified
Bloedel Well #2	1/31/2013	32870	not specified
Bloedel Well #2	2/28/2013	30480	not specified
Bloedel Well #2	3/31/2013	33320	not specified
Bloedel Well #2	4/30/2013	72880	not specified
Bloedel Well #2	5/31/2013	476600	not specified
Bloedel Well #2	6/30/2013	602040	not specified
Bloedel Well #2	7/31/2013	1354235	not specified
Bloedel Well #2	8/31/2013	912695	not specified
Bloedel Well #2	9/30/2013	210315	not specified
Bloedel Well #2	10/31/2013	75900	not specified
Bloedel Well #2	11/30/2013	35155	not specified
Bloedel Well #2	12/31/2013	41235	not specified
Bloedel Well #2	1/31/2014	29065	not specified
Bloedel Well #2	2/28/2014	20940	not specified
Bloedel Well #2	3/31/2014	67480	not specified
Bloedel Well #2	4/30/2014	83820	not specified
Bloedel Well #2	5/31/2014	338620	not specified
Bloedel Well #2	6/30/2014	693820	not specified
Bloedel Well #2	7/31/2014	901505	not specified
Bloedel Well #2	8/31/2014	788225	not specified
Bloedel Well #2	9/30/2014	477365	not specified
Bloedel Well #2	10/31/2014	75210	not specified
Bloedel Well #2	11/30/2014	38255	not specified
Bloedel Well #2	12/31/2014	25870	not specified
Bloedel Well #2	1/31/2015	31670	not specified
Bloedel Well #2	2/28/2015	37435	not specified
Bloedel Well #2	3/31/2015	73355	not specified
Bloedel Well #2	4/30/2015	138900	not specified
Bloedel Well #2	5/31/2015	557090	not specified
Bloedel Well #2	6/30/2015	1161745	not specified
Bloedel Well #2	7/31/2015	1315530	not specified
Bloedel Well #2	8/31/2015	1169445	not specified
Bloedel Well #2	9/30/2015	176175	not specified
Bloedel Well #2	10/31/2015	142360	not specified
Bloedel Well #2	11/30/2015	57005	not specified

Production Well	Measurement Date	Production Voulme	Technician
Bloedel Well #2	12/31/2015	44305	not specified
Bloedel Well #2	1/31/2016	29360	not specified
Bloedel Well #2	2/29/2016	57100	not specified
Bloedel Well #2	3/31/2016	72650	not specified
Bloedel Well #2	4/30/2016	154920	not specified
Bloedel Well #2	5/31/2016	568480	not specified
Bloedel Well #2	6/30/2016	835910	not specified
Bloedel Well #2	7/31/2016	727845	not specified
Bloedel Well #2	8/31/2016	1148105	not specified
Bloedel Well #2	9/30/2016	348500	not specified
Bloedel Well #2	10/31/2016	131660	not specified
Bloedel Well #2	11/30/2016	53125	not specified
Bloedel Well #2	12/31/2016	44905	not specified
Bloedel Well #2	1/31/2017	56255	not specified
Bloedel Well #2	2/28/2017	39640	not specified
Bloedel Well #2	3/31/2017	84915	not specified
Bloedel Well #2	4/30/2017	85505	not specified
Bloedel Well #2	5/31/2017	246550	not specified
Bloedel Well #2	6/30/2017	531075	not specified
Bloedel Well #2	7/31/2017	1417550	not specified
Bloedel Well #2	8/31/2017	1032450	not specified
Bloedel Well #2	9/30/2017	642610	not specified
Bloedel Well #2	10/31/2017	183085	not specified
Bloedel Well #2	11/30/2017	40220	not specified
Bloedel Well #2	12/31/2017	53620	not specified
Bloedel Well #2	1/31/2018	40395	not specified
Bloedel Well #2	2/28/2018	30025	not specified
Bloedel Well #2	3/31/2018	50465	not specified
Bloedel Well #2	4/30/2018	119250	not specified
Bloedel Well #2	5/31/2018	605420	not specified
Bloedel Well #2	6/30/2018	832900	not specified
Bloedel Well #2	7/31/2018	1234045	not specified
Bloedel Well #2	8/31/2018	1130940	not specified
Bloedel Well #2	9/30/2018	681425	not specified
Bloedel Well #2	10/31/2018	248285	not specified
Bloedel Well #2	11/30/2018	87655	not specified
Bloedel Well #2	12/31/2018	94485	not specified
Bloedel Well #2	1/31/2019	69925	not specified
Bloedel Well #2	2/28/2019	61945	not specified
Bloedel Well #2	3/31/2019	123775	not specified
Bloedel Well #2	4/30/2019	184760	not specified
Bloedel Well #2	5/31/2019	602218	not specified
Bloedel Well #2	6/30/2019	663395	not specified
Bloedel Well #2	7/31/2019	838835	not specified
Bloedel Well #2	8/31/2019	759270	not specified
Bloedel Well #2	9/30/2019	525380	not specified
Bloedel Well #2	10/31/2019	85765	not specified
Bloedel Well #2	11/30/2019	44110	not specified
Bloedel Well #2	12/31/2019	45135	not specified
Bloedel Well #2	1/31/2020	38120	not specified
Bloedel Well #2	2/29/2020	42650	not specified

Production Well	Measurement Date	Production Voulme	Technician
Bloedel Well #2	3/31/2020	44290	not specified
Bloedel Well #2	4/30/2020	112570	not specified
Bloedel Well #2	5/31/2020	352750	not specified
Bloedel Well #2	6/30/2020	459960	not specified
Bloedel Well #2	7/31/2020	554820	not specified
Bloedel Well #2	8/31/2020	1415470	not specified
Bloedel Well #2	9/30/2020	757235	not specified
Bloedel Well #2	10/31/2020	61400	not specified
Bloedel Well #2	11/30/2020	59355	not specified
Bloedel Well #2	12/31/2020	40760	not specified
Bloedel Well #2	1/31/2021	35885	not specified
Bloedel Well #2	2/28/2021	53765	not specified
Bloedel Well #2	3/31/2021	82905	not specified
Bloedel Well #2	4/30/2021	162730	not specified
Bloedel Well #2	5/31/2021	458060	not specified
Bloedel Well #2	6/30/2021	891840	not specified
Bloedel Well #2	7/31/2021	1272890	not specified
Bloedel Well #2	8/31/2021	1375860	not specified
Bloedel Well #2	9/30/2021	584265	not specified
Bloedel Well #2	10/31/2021	76935	not specified
Bloedel Well #2	11/30/2021	40275	not specified
Bloedel Well #2	12/31/2021	26880	not specified
Bloedel Well #2	1/31/2022	31235	not specified
Bloedel Well #2	2/28/2022	32800	not specified
Bloedel Well #2	3/31/2022	29520	not specified
Bloedel Well #2	4/30/2022	52550	not specified
Bloedel Well #2	5/31/2022	117150	not specified
Bloedel Well #2	6/30/2022	199960	not specified
Bloedel Well #2	7/31/2022	947540	not specified
Bloedel Well #2	8/31/2022	1508340	not specified
Bloedel Well #2	9/30/2022	978150	not specified
Bloedel Well #2	10/31/2022	451400	not specified
Bloedel Well #2	11/30/2022	35940	not specified
Bloedel Well #2	12/31/2022	24530	not specified
Bloedel Well #2	1/31/2023	38905	not specified
Bloedel Well #2	2/28/2023	39880	not specified
Bloedel Well #2	3/31/2023	31685	not specified
Bloedel Well #2	4/30/2023	69890	not specified
Bloedel Well #2	5/31/2023	389870	not specified
Bloedel Well #2	6/30/2023	861555	not specified
Bloedel Well #2	7/31/2023	1476469	not specified
Bloedel Well #2	8/31/2023	1287924	not specified
Bloedel Well #2	9/30/2023	480665	not specified
Bloedel Well #2	10/31/2023	149080	not specified
Bloedel Well #2	11/30/2023	83284	not specified
Bloedel Well #2	12/31/2023	75159	not specified
Port Madison #4	9/30/2007	393747.2	KPUD
Port Madison #4	10/31/2007	415289.6	KPUD
Port Madison #4	11/30/2007	671105.6	KPUD
Port Madison #4	12/31/2007	525096	KPUD
Port Madison #4	1/31/2008	466752	KPUD

Production Well	Measurement Date	Production Voulme	Technician
Port Madison #4	2/29/2008	390082	KPUD
Port Madison #4	3/31/2008	381405.2	KPUD
Port Madison #4	4/30/2008	441245.2	KPUD
Port Madison #4	5/31/2008	512305.2	KPUD
Port Madison #4	6/30/2008	595856.8	KPUD
Port Madison #4	7/31/2008	957963.6	KPUD
Port Madison #4	8/31/2008	689581.2	KPUD
Port Madison #4	9/30/2008	456953.2	KPUD
Port Madison #4	10/31/2008	439749.2	KPUD
Port Madison #4	11/30/2008	291794.8	KPUD
Port Madison #4	12/31/2008	449323.6	KPUD
Port Madison #4	1/31/2009	319844.8	KPUD
Port Madison #4	2/28/2009	295534.8	KPUD
Port Madison #4	3/31/2009	379236	KPUD
Port Madison #4	4/30/2009	317750.4	KPUD
Port Madison #4	5/31/2009	394570	KPUD
Port Madison #4	6/30/2009	1124169.2	KPUD
Port Madison #4	7/31/2009	1568032.4	KPUD
Port Madison #4	8/31/2009	1004564	KPUD
Port Madison #4	9/30/2009	703269.6	KPUD
Port Madison #4	10/31/2009	352906.4	KPUD
Port Madison #4	11/30/2009	394869.2	KPUD
Port Madison #4	12/31/2009	333832.4	KPUD
Port Madison #4	1/31/2010	314234.8	KPUD
Port Madison #4	2/28/2010	265988.8	KPUD
Port Madison #4	3/31/2010	404967.2	KPUD
Port Madison #4	4/30/2010	344454	KPUD
Port Madison #4	5/31/2010	357244.8	KPUD
Port Madison #4	6/30/2010	478869.6	KPUD
Port Madison #4	7/31/2010	1177501.6	KPUD
Port Madison #4	8/31/2010	1145898.6	KPUD
Port Madison #4	9/30/2010	362518.2	KPUD
Port Madison #4	10/31/2010	352756.8	KPUD
Port Madison #4	11/30/2010	433092	KPUD
Port Madison #4	12/31/2010	428903.2	KPUD
Port Madison #4	1/31/2011	471913.2	KPUD
Port Madison #4	2/28/2011	512454.8	KPUD
Port Madison #4	3/31/2011	431222	KPUD
Port Madison #4	4/30/2011	431147.2	KPUD
Port Madison #4	5/31/2011	397412.4	KPUD
Port Madison #4	6/30/2011	434363.6	KPUD
Port Madison #4	7/31/2011	1147432	KPUD
Port Madison #4	8/31/2011	892588.4	KPUD
Port Madison #4	9/30/2011	781286	KPUD
Port Madison #4	10/31/2011	298676.4	KPUD
Port Madison #4	11/30/2011	275638	KPUD
Port Madison #4	12/31/2011	281547.2	KPUD
Port Madison #4	1/31/2012	363602.8	KPUD
Port Madison #4	2/29/2012	414392	KPUD
Port Madison #4	3/31/2012	291271.2	KPUD
Port Madison #4	4/30/2012	294113.6	KPUD

Production Well	Measurement Date	Production Voulme	Technician
Port Madison #4	5/31/2012	478794.8	KPUD
Port Madison #4	6/30/2012	368165.6	KPUD
Port Madison #4	7/31/2012	457252.4	KPUD
Port Madison #4	8/31/2012	1301220.8	KPUD
Port Madison #4	9/30/2012	740968.8	KPUD
Port Madison #4	10/31/2012	317900	KPUD
Port Madison #4	11/30/2012	257760.8	KPUD
Port Madison #4	12/31/2012	263744.8	KPUD
Port Madison #4	1/31/2013	322762	KPUD
Port Madison #4	2/28/2013	240556.8	KPUD
Port Madison #4	3/31/2013	277433.2	KPUD
Port Madison #4	4/30/2013	367492.4	KPUD
Port Madison #4	5/31/2013	351709.6	KPUD
Port Madison #4	6/30/2013	621214	KPUD
Port Madison #4	7/31/2013	1721671.6	KPUD
Port Madison #4	8/31/2013	1256939.2	KPUD
Port Madison #4	9/30/2013	711572.4	KPUD
Port Madison #4	10/31/2013	340714	KPUD
Port Madison #4	11/30/2013	305707.6	KPUD
Port Madison #4	12/31/2013	288503.6	KPUD
Port Madison #4	1/31/2014	237190.8	KPUD
Port Madison #4	2/28/2014	255367.2	KPUD
Port Madison #4	3/31/2014	225297.6	KPUD
Port Madison #4	4/30/2014	283940.8	KPUD
Port Madison #4	5/31/2014	336899.2	KPUD
Port Madison #4	6/30/2014	607899.6	KPUD
Port Madison #4	7/31/2014	1288804	KPUD
Port Madison #4	8/31/2014	814721.6	KPUD
Port Madison #4	9/30/2014	534894.8	KPUD
Port Madison #4	10/31/2014	390680.4	KPUD
Port Madison #4	11/30/2014	164335.6	KPUD
Port Madison #4	12/31/2014	273468.8	KPUD
Port Madison #4	1/31/2015	226344.8	KPUD
Port Madison #4	2/28/2015	220734.8	KPUD
Port Madison #4	3/31/2015	299125.2	KPUD
Port Madison #4	4/30/2015	266362.8	KPUD
Port Madison #4	5/31/2015	353056	KPUD
Port Madison #4	6/30/2015	1167478.4	KPUD
Port Madison #4	7/31/2015	1833572.4	KPUD
Port Madison #4	8/31/2015	951680.4	KPUD
Port Madison #4	9/30/2015	370110.4	KPUD
Port Madison #4	10/31/2015	269504.4	KPUD
Port Madison #4	11/30/2015	240556.8	KPUD
Port Madison #4	12/31/2015	283043.2	KPUD
Port Madison #4	1/31/2016	268831.2	KPUD
Port Madison #4	2/29/2016	178846.8	KPUD
Port Madison #4	3/31/2016	201436.4	KPUD
Port Madison #4	4/30/2016	369063.2	KPUD
Port Madison #4	5/31/2016	454260.4	KPUD
Port Madison #4	6/30/2016	676566	KPUD
Port Madison #4	7/31/2016	958936	KPUD

Production Well	Measurement Date	Production Voulme	Technician
Port Madison #4	8/31/2016	1176828.4	KPUD
Port Madison #4	9/30/2016	626225.6	KPUD
Port Madison #4	10/31/2016	321191.2	KPUD
Port Madison #4	11/30/2016	285062.8	KPUD
Port Madison #4	12/31/2016	244446.4	KPUD
Port Madison #4	1/31/2017	246092	KPUD
Port Madison #4	2/28/2017	335029.2	KPUD
Port Madison #4	3/31/2017	161642.8	KPUD
Port Madison #4	4/30/2017	356945.6	KPUD
Port Madison #4	5/31/2017	577755.2	KPUD
Port Madison #4	6/30/2017	715462	KPUD
Port Madison #4	7/31/2017	1213480.4	KPUD
Port Madison #4	8/31/2017	1520085.6	KPUD
Port Madison #4	9/30/2017	768719.6	KPUD
Port Madison #4	10/31/2017	430922.8	KPUD
Port Madison #4	11/30/2017	420525.6	KPUD
Port Madison #4	12/31/2017	250206	KPUD
Port Madison #4	1/31/2018	336674.8	KPUD
Port Madison #4	2/28/2018	261650.4	KPUD
Port Madison #4	3/31/2018	271748.4	KPUD
Port Madison #4	4/30/2018	331139.6	KPUD
Port Madison #4	5/31/2018	941806.8	KPUD
Port Madison #4	6/30/2018	651582.8	KPUD
Port Madison #4	7/31/2018	1238014.8	KPUD
Port Madison #4	8/31/2018	1401153.6	KPUD
Port Madison #4	9/30/2018	918394.4	KPUD
Port Madison #4	10/31/2018	456504.4	KPUD
Port Madison #4	11/30/2018	491510.8	KPUD
Port Madison #4	12/31/2018	340983.28	KPUD
Port Madison #4	1/31/2019	375301.52	KPUD
Port Madison #4	2/28/2019	321415.6	KPUD
Port Madison #4	3/31/2019	289775.2	KPUD
Port Madison #4	4/30/2019	339292.8	KPUD
Port Madison #4	5/31/2019	775601.2	KPUD
Port Madison #4	6/30/2019	877927.6	KPUD
Port Madison #4	7/31/2019	1102178	KPUD
Port Madison #4	8/31/2019	831476.8	KPUD
Port Madison #4	9/30/2019	627272.8	KPUD
Port Madison #4	10/31/2019	447827.6	KPUD
Port Madison #4	11/30/2019	219463.2	KPUD
Port Madison #4	12/31/2019	288279.2	KPUD
Port Madison #4	1/31/2020	325230.4	KPUD
Port Madison #4	2/29/2020	212506.8	KPUD
Port Madison #4	3/31/2020	240332.4	KPUD
Port Madison #4	4/30/2020	518887.6	KPUD
Port Madison #4	5/31/2020	545217.2	KPUD
Port Madison #4	6/30/2020	481038.8	KPUD
Port Madison #4	7/31/2020	984966.4	KPUD
Port Madison #4	8/31/2020	1082281.2	KPUD
Port Madison #4	9/30/2020	896926.8	KPUD
Port Madison #4	10/31/2020	0	KPUD

Production Well	Measurement Date	Production Voulme	Technician
Port Madison #4	11/30/2020	0	KPUD
Port Madison #4	12/31/2020	0	KPUD
Port Madison #4	1/31/2021	1269281.2	KPUD
Port Madison #4	2/28/2021	308998.8	KPUD
Port Madison #4	3/31/2021	0	KPUD
Port Madison #4	4/30/2021	741268	KPUD
Port Madison #4	5/31/2021	851373.6	KPUD
Port Madison #4	6/30/2021	935374	KPUD
Port Madison #4	7/31/2021	1346250.4	KPUD
Port Madison #4	8/31/2021	1477225.2	KPUD
Port Madison #4	9/30/2021	779939.6	KPUD
Port Madison #4	10/31/2021	324332.8	KPUD
Port Madison #4	11/30/2021	338021.2	KPUD
Port Madison #4	12/31/2021	255741.2	KPUD
Port Madison #4	1/31/2022	409230.8	KPUD
Port Madison #4	2/28/2022	373925.2	KPUD
Port Madison #4	3/31/2022	434513.2	KPUD
Port Madison #4	4/30/2022	516045.2	KPUD
Port Madison #4	5/31/2022	512155.6	KPUD
Port Madison #4	6/30/2022	781734.8	KPUD
Port Madison #4	7/31/2022	976364.4	KPUD
Port Madison #4	8/31/2022	947566.4	KPUD
Port Madison #4	9/30/2022	985564.8	KPUD
Port Madison #4	10/31/2022	832972.8	KPUD
Port Madison #4	11/30/2022	233450.8	KPUD
Port Madison #4	12/31/2022	266362.8	KPUD
Port Madison #4	1/31/2023	312215.2	KPUD
Port Madison #4	2/28/2023	265943.92	KPUD
Port Madison #4	3/31/2023	267679.28	KPUD
Port Madison #4	4/30/2023	338619.6	KPUD
Port Madison #4	5/31/2023	711871.6	KPUD
Port Madison #4	6/30/2023	710300.8	KPUD
Port Madison #1	9/30/2007	473282.04	KPUD
Port Madison #1	10/31/2007	241506.76	KPUD
Port Madison #1	11/30/2007	8744.12	KPUD
Port Madison #1	12/31/2007	76333.4	KPUD
Port Madison #1	1/31/2008	258074.96	KPUD
Port Madison #1	2/29/2008	219261.24	KPUD
Port Madison #1	3/31/2008	206836.96	KPUD
Port Madison #1	4/30/2008	207973.92	KPUD
Port Madison #1	5/31/2008	191637.6	KPUD
Port Madison #1	6/30/2008	555980.92	KPUD
Port Madison #1	7/31/2008	654836.6	KPUD
Port Madison #1	8/31/2008	471180.16	KPUD
Port Madison #1	9/30/2008	369773.8	KPUD
Port Madison #1	10/31/2008	184052.88	KPUD
Port Madison #1	11/30/2008	113127.52	KPUD
Port Madison #1	12/31/2008	228888	KPUD
Port Madison #1	1/31/2009	122836.56	KPUD
Port Madison #1	2/28/2009	111115.4	KPUD
Port Madison #1	3/31/2009	170648.72	KPUD

Production Well	Measurement Date	Production Voulme	Technician
Port Madison #1	4/30/2009	229314.36	KPUD
Port Madison #1	5/31/2009	368180.56	KPUD
Port Madison #1	6/30/2009	186558.68	KPUD
Port Madison #1	7/31/2009	608550.36	KPUD
Port Madison #1	8/31/2009	747042.56	KPUD
Port Madison #1	9/30/2009	737894.52	KPUD
Port Madison #1	10/31/2009	339801.44	KPUD
Port Madison #1	11/30/2009	273753.04	KPUD
Port Madison #1	12/31/2009	245269.2	KPUD
Port Madison #1	1/31/2010	189423.52	KPUD
Port Madison #1	2/28/2010	462286.44	KPUD
Port Madison #1	3/31/2010	199386.88	KPUD
Port Madison #1	4/30/2010	0	KPUD
Port Madison #1	5/31/2010	604892.64	KPUD
Port Madison #1	6/30/2010	708924.48	KPUD
Port Madison #1	7/31/2010	476745.28	KPUD
Port Madison #1	8/31/2010	867044.2	KPUD
Port Madison #1	9/30/2010	374860.2	KPUD
Port Madison #1	10/31/2010	228566.36	KPUD
Port Madison #1	11/30/2010	317585.84	KPUD
Port Madison #1	12/31/2010	394106.24	KPUD
Port Madison #1	1/31/2011	547371.44	KPUD
Port Madison #1	2/28/2011	514766.12	KPUD
Port Madison #1	3/31/2011	330055	KPUD
Port Madison #1	4/30/2011	325918.56	KPUD
Port Madison #1	5/31/2011	458509.04	KPUD
Port Madison #1	6/30/2011	746758.32	KPUD
Port Madison #1	7/31/2011	820855.2	KPUD
Port Madison #1	8/31/2011	677067.16	KPUD
Port Madison #1	9/30/2011	754006.44	KPUD
Port Madison #1	10/31/2011	215715.72	KPUD
Port Madison #1	11/30/2011	182272.64	KPUD
Port Madison #1	12/31/2011	171157.36	KPUD
Port Madison #1	1/31/2012	97329.76	KPUD
Port Madison #1	2/29/2012	122043.68	KPUD
Port Madison #1	3/31/2012	182773.8	KPUD
Port Madison #1	4/30/2012	183761.16	KPUD
Port Madison #1	5/31/2012	434116.76	KPUD
Port Madison #1	6/30/2012	534685.36	KPUD
Port Madison #1	7/31/2012	656542.04	KPUD
Port Madison #1	8/31/2012	780119.12	KPUD
Port Madison #1	9/30/2012	770327.8	KPUD
Port Madison #1	10/31/2012	333697.76	KPUD
Port Madison #1	11/30/2012	150161	KPUD
Port Madison #1	12/31/2012	159122.04	KPUD
Port Madison #1	1/31/2013	192138.76	KPUD
Port Madison #1	2/28/2013	144752.96	KPUD
Port Madison #1	3/31/2013	163767.12	KPUD
Port Madison #1	4/30/2013	241185.12	KPUD
Port Madison #1	5/31/2013	502506.4	KPUD
Port Madison #1	6/30/2013	554888.84	KPUD

Production Well	Measurement Date	Production Voulme	Technician
Port Madison #1	7/31/2013	709687.44	KPUD
Port Madison #1	8/31/2013	404398.72	KPUD
Port Madison #1	9/30/2013	187598.4	KPUD
Port Madison #1	10/31/2013	83656.32	KPUD
Port Madison #1	11/30/2013	154723.8	KPUD
Port Madison #1	12/31/2013	182332.48	KPUD
Port Madison #1	1/31/2014	142793.2	KPUD
Port Madison #1	2/28/2014	109215.48	KPUD
Port Madison #1	3/31/2014	151896.36	KPUD
Port Madison #1	4/30/2014	211377.32	KPUD
Port Madison #1	5/31/2014	349532.92	KPUD
Port Madison #1	6/30/2014	601938.04	KPUD
Port Madison #1	7/31/2014	836638	KPUD
Port Madison #1	8/31/2014	659885.6	KPUD
Port Madison #1	9/30/2014	521700.08	KPUD
Port Madison #1	10/31/2014	283641.6	KPUD
Port Madison #1	11/30/2014	109604.44	KPUD
Port Madison #1	12/31/2014	288892.56	KPUD
Port Madison #1	1/31/2015	151163.32	KPUD
Port Madison #1	2/28/2015	147894.56	KPUD
Port Madison #1	3/31/2015	213561.48	KPUD
Port Madison #1	4/30/2015	279422.88	KPUD
Port Madison #1	5/31/2015	620121.92	KPUD
Port Madison #1	6/30/2015	610173.52	KPUD
Port Madison #1	7/31/2015	984577.44	KPUD
Port Madison #1	8/31/2015	630870.68	KPUD
Port Madison #1	9/30/2015	445276.92	KPUD
Port Madison #1	10/31/2015	235014.12	KPUD
Port Madison #1	11/30/2015	154013.2	KPUD
Port Madison #1	12/31/2015	192049	KPUD
Port Madison #1	1/31/2016	173363.96	KPUD
Port Madison #1	2/29/2016	112858.24	KPUD
Port Madison #1	3/31/2016	131730.28	KPUD
Port Madison #1	4/30/2016	309672	KPUD
Port Madison #1	5/31/2016	408497.76	KPUD
Port Madison #1	6/30/2016	596717	KPUD
Port Madison #1	7/31/2016	514317.32	KPUD
Port Madison #1	8/31/2016	718865.4	KPUD
Port Madison #1	9/30/2016	259877.64	KPUD
Port Madison #1	10/31/2016	154649	KPUD
Port Madison #1	11/30/2016	153699.04	KPUD
Port Madison #1	12/31/2016	132164.12	KPUD
Port Madison #1	1/31/2017	136569.84	KPUD
Port Madison #1	2/28/2017	182990.72	KPUD
Port Madison #1	3/31/2017	83566.56	KPUD
Port Madison #1	4/30/2017	203538.28	KPUD
Port Madison #1	5/31/2017	263827.08	KPUD
Port Madison #1	6/30/2017	415708.48	KPUD
Port Madison #1	7/31/2017	630466.76	KPUD
Port Madison #1	8/31/2017	810084	KPUD
Port Madison #1	9/30/2017	512970.92	KPUD

Production Well	Measurement Date	Production Voulme	Technician
Port Madison #1	10/31/2017	247034.48	KPUD
Port Madison #1	11/30/2017	199140.04	KPUD
Port Madison #1	12/31/2017	138365.04	KPUD
Port Madison #1	1/31/2018	177477.96	KPUD
Port Madison #1	2/28/2018	148896.88	KPUD
Port Madison #1	3/31/2018	188009.8	KPUD
Port Madison #1	4/30/2018	142284.56	KPUD
Port Madison #1	5/31/2018	315244.6	KPUD
Port Madison #1	6/30/2018	505633.04	KPUD
Port Madison #1	7/31/2018	564366	KPUD
Port Madison #1	8/31/2018	788967.96	KPUD
Port Madison #1	9/30/2018	494906.72	KPUD
Port Madison #1	10/31/2018	147311.12	KPUD
Port Madison #1	11/30/2018	123599.52	KPUD
Port Madison #1	12/31/2018	112372.04	KPUD
Port Madison #1	1/31/2019	139419.72	KPUD
Port Madison #1	2/28/2019	143451.44	KPUD
Port Madison #1	3/31/2019	106537.64	KPUD
Port Madison #1	4/30/2019	105610.12	KPUD
Port Madison #1	5/31/2019	498362.48	KPUD
Port Madison #1	8/31/2019	1766618.92	KPUD
Port Madison #1	9/30/2019	344416.6	KPUD
Port Madison #1	10/31/2019	170925.48	KPUD
Port Madison #1	11/30/2019	102573.24	KPUD
Port Madison #1	12/31/2019	169848.36	KPUD
Port Madison #1	1/31/2020	129740.6	KPUD
Port Madison #1	2/29/2020	108826.52	KPUD
Port Madison #1	3/31/2020	125499.44	KPUD
Port Madison #1	4/30/2020	250071.36	KPUD
Port Madison #1	5/31/2020	241858.32	KPUD
Port Madison #1	6/30/2020	308086.24	KPUD
Port Madison #1	7/31/2020	615349.68	KPUD
Port Madison #1	8/31/2020	625993.72	KPUD
Port Madison #1	9/30/2020	458890.52	KPUD
Port Madison #1	10/31/2020	0	KPUD
Port Madison #1	11/30/2020	0	KPUD
Port Madison #1	12/31/2020	0	KPUD
Port Madison #1	1/31/2021	624258.36	KPUD
Port Madison #1	2/28/2021	158867.72	KPUD
Port Madison #1	3/31/2021	0	KPUD
Port Madison #1	4/30/2021	408774.52	KPUD
Port Madison #1	5/31/2021	510569.84	KPUD
Port Madison #1	6/30/2021	556152.96	KPUD
Port Madison #1	7/31/2021	783918.96	KPUD
Port Madison #1	8/31/2021	952166.6	KPUD
Port Madison #1	9/30/2021	434311.24	KPUD
Port Madison #1	10/31/2021	140167.72	KPUD
Port Madison #1	11/30/2021	148358.32	KPUD
Port Madison #1	12/31/2021	125013.24	KPUD
Port Madison #1	1/31/2022	171636.08	KPUD
Port Madison #1	2/28/2022	130623.24	KPUD

Production Well	Measurement Date	Production Voulme	Technician
Port Madison #1	3/31/2022	128760.72	KPUD
Port Madison #1	4/30/2022	154192.72	KPUD
Port Madison #1	5/31/2022	125903.36	KPUD
Port Madison #1	6/30/2022	48343.24	KPUD
Port Madison #1	7/31/2022	990950.4	KPUD
Port Madison #1	8/31/2022	802140.24	KPUD
Port Madison #1	9/30/2022	574269.52	KPUD
Port Madison #1	10/31/2022	342449.36	KPUD
Port Madison #1	11/30/2022	111833.48	KPUD
Port Madison #1	12/31/2022	134812.04	KPUD
Port Madison #1	1/31/2023	147587.88	KPUD
Port Madison #1	2/28/2023	131079.52	KPUD
Port Madison #1	3/31/2023	125282.52	KPUD
Port Madison #1	4/30/2023	166811.48	KPUD
Port Madison #1	5/31/2023	376677.84	KPUD
Port Madison #1	6/30/2023	504683.08	KPUD
Meadowmeer #2	5/31/2020	2230000	KPUD
Meadowmeer #2	6/30/2020	2395600	KPUD
Meadowmeer #2	7/31/2020	2787600	KPUD
Meadowmeer #2	8/31/2020	2963500	KPUD
Meadowmeer #2	9/30/2020	2935000	KPUD
Meadowmeer #2	10/31/2020	0	KPUD
Meadowmeer #2	11/30/2020	0	KPUD
Meadowmeer #2	12/31/2020	0	KPUD
Meadowmeer #2	1/31/2021	103642300	KPUD
Meadowmeer #2	2/28/2021	1091000	KPUD
Meadowmeer #2	3/31/2021	1000000	KPUD
Meadowmeer #2	4/30/2021	1811100	KPUD
Meadowmeer #2	5/31/2021	2825600	KPUD
Meadowmeer #2	6/30/2021	2777800	KPUD
Meadowmeer #2	7/31/2021	4321300	KPUD
Meadowmeer #2	8/31/2021	3190200	KPUD
Meadowmeer #2	9/30/2021	2414600	KPUD
Meadowmeer #2	10/31/2021	1606800	KPUD
Meadowmeer #2	11/30/2021	1245500	KPUD
Meadowmeer #2	12/31/2021	1224400	KPUD
Meadowmeer #2	1/31/2022	1801900	KPUD
Meadowmeer #2	2/28/2022	1311600	KPUD
Meadowmeer #2	3/31/2022	1285200	KPUD
Meadowmeer #2	4/30/2022	1661100	KPUD
Meadowmeer #2	5/31/2022	1559200	KPUD
Meadowmeer #2	6/30/2022	1732500	KPUD
Meadowmeer #2	7/31/2022	3745000	KPUD
Meadowmeer #2	8/31/2022	3178700	KPUD
Meadowmeer #2	9/30/2022	2698900	KPUD
Meadowmeer #2	10/31/2022	2419100	KPUD
Meadowmeer #2	11/30/2022	1243700	KPUD
Meadowmeer #2	12/31/2022	1804200	KPUD
Meadowmeer #2	1/31/2023	1430800	KPUD
Meadowmeer #2	2/28/2023	1244100	KPUD
Meadowmeer #2	3/31/2023	1401000	KPUD

Production Well	Measurement Date	Production Voulme	Technician
Meadowmeer #2	4/30/2023	1626300	KPUD
Meadowmeer #2	5/31/2023	2267400	KPUD
Meadowmeer #2	6/30/2023	3514800	KPUD
Meadowmeer #2	7/31/2023	3281700	KPUD
Meadowmeer #2	8/31/2023	3198400	KPUD
Meadowmeer #2	9/30/2023	2742600	KPUD
Meadowmeer #2	10/31/2023	1651300	KPUD
Meadowmeer #2	11/30/2023	1380200	KPUD
Meadowmeer #2	12/31/2023	1824400	KPUD
Meadowmeer #5	5/31/2020	44150	KPUD
Meadowmeer #5	6/30/2020	53230	KPUD
Meadowmeer #5	7/31/2020	114360	KPUD
Meadowmeer #5	8/31/2020	153850	KPUD
Meadowmeer #5	9/30/2020	105580	KPUD
Meadowmeer #5	10/31/2020	1840	KPUD
Meadowmeer #5	11/30/2020	0	KPUD
Meadowmeer #5	12/31/2020	0	KPUD
Meadowmeer #5	1/31/2021	0	KPUD
Meadowmeer #5	2/28/2021	0	KPUD
Meadowmeer #5	3/31/2021	3330	KPUD
Meadowmeer #5	4/30/2021	17450	KPUD
Meadowmeer #5	5/31/2021	63550	KPUD
Meadowmeer #5	6/30/2021	128450	KPUD
Meadowmeer #5	7/31/2021	262000	KPUD
Meadowmeer #5	8/31/2021	168360	KPUD
Meadowmeer #5	9/30/2021	68950	KPUD
Meadowmeer #5	10/31/2021	46590	KPUD
Meadowmeer #5	11/30/2021	0	KPUD
Meadowmeer #5	12/31/2021	50	KPUD
Meadowmeer #5	1/31/2022	2100	KPUD
Meadowmeer #5	2/28/2022	50	KPUD
Meadowmeer #5	3/31/2022	0	KPUD
Meadowmeer #5	4/30/2022	0	KPUD
Meadowmeer #5	5/31/2022	500	KPUD
Meadowmeer #5	6/30/2022	20110	KPUD
Meadowmeer #5	7/31/2022	160490	KPUD
Meadowmeer #5	8/31/2022	142030	KPUD
Meadowmeer #5	9/30/2022	126590	KPUD
Meadowmeer #5	10/31/2022	62610	KPUD
Meadowmeer #5	11/30/2022	510	KPUD
Meadowmeer #5	12/31/2022	3870	KPUD
Meadowmeer #5	1/31/2023	0	KPUD
Meadowmeer #5	2/28/2023	510	KPUD
Meadowmeer #5	3/31/2023	520	KPUD
Meadowmeer #5	4/30/2023	1140	KPUD
Meadowmeer #5	5/31/2023	65600	KPUD
Meadowmeer #5	6/30/2023	160430	KPUD
Meadowmeer #5	7/31/2023	174370	KPUD
Meadowmeer #5	8/31/2023	180070	KPUD
Meadowmeer #5	9/30/2023	80070	KPUD
Meadowmeer #5	10/31/2023	32690	KPUD

Production Well	Measurement Date	Production Voulme	Technician
Meadowmeer #5	11/30/2023	4130	KPUD
Meadowmeer #5	12/31/2023	2310	KPUD
Ferncliff #2	7/31/2015	11550	KPUD
Ferncliff #2	8/31/2015	16810	KPUD
Ferncliff #2	9/30/2015	15940	KPUD
Ferncliff #2	10/31/2015	3400	KPUD
Ferncliff #2	11/30/2015	0	KPUD
Ferncliff #2	12/31/2015	0	KPUD
Ferncliff #2	1/31/2016	0	KPUD
Ferncliff #2	2/29/2016	0	KPUD
Ferncliff #2	3/31/2016	0	KPUD
Ferncliff #2	4/30/2016	0	KPUD
Ferncliff #2	5/31/2016	0	KPUD
Ferncliff #2	6/30/2016	0	KPUD
Ferncliff #2	7/31/2016	80	KPUD
Ferncliff #2	9/30/2016	0	KPUD
Ferncliff #2	10/31/2016	0	KPUD
Ferncliff #2	11/30/2016	0	KPUD
Ferncliff #2	12/31/2016	0	KPUD
Ferncliff #2	1/31/2017	0	KPUD
Ferncliff #2	2/28/2017	10	KPUD
Ferncliff #2	3/31/2017	0	KPUD
Ferncliff #2	4/30/2017	0	KPUD
Ferncliff #2	5/31/2017	0	KPUD
Ferncliff #2	6/30/2017	0	KPUD
Ferncliff #2	7/31/2017	0	KPUD
Ferncliff #2	8/31/2017	12420	KPUD
Ferncliff #2	9/30/2017	7620	KPUD
Ferncliff #2	10/31/2017	860	KPUD
Ferncliff #2	11/30/2017	0	KPUD
Ferncliff #2	12/31/2017	0	KPUD
Ferncliff #2	1/31/2018	0	KPUD
Ferncliff #2	2/28/2018	0	KPUD
Ferncliff #2	3/31/2018	0	KPUD
Ferncliff #2	4/30/2018	0	KPUD
Ferncliff #2	5/31/2018	0	KPUD
Ferncliff #2	6/30/2018	0	KPUD
Ferncliff #2	7/31/2018	0	KPUD
Ferncliff #2	8/31/2018	0	KPUD
Ferncliff #2	9/30/2018	0	KPUD
Ferncliff #2	10/31/2018	0	KPUD
Ferncliff #2	11/30/2018	0	KPUD
Ferncliff #2	12/31/2018	0	KPUD
Ferncliff #2	1/31/2019	0	KPUD
Ferncliff #2	2/28/2019	0	KPUD
Ferncliff #2	3/31/2019	0	KPUD
Ferncliff #2	4/30/2019	3340	KPUD
Ferncliff #2	5/31/2019	15170	KPUD
Ferncliff #2	6/30/2019	32010	KPUD
Ferncliff #2	7/31/2019	23290	KPUD
Ferncliff #2	8/31/2019	16160	KPUD

Production Well	Measurement Date	Production Voulme	Technician
Ferncliff #2	9/30/2019	7430	KPUD
Ferncliff #2	10/31/2019	0	KPUD
Ferncliff #2	11/30/2019	0	KPUD
Ferncliff #2	12/31/2019	0	KPUD
Ferncliff #2	1/31/2020	0	KPUD
Ferncliff #2	2/29/2020	0	KPUD
Ferncliff #2	3/31/2020	0	KPUD
Ferncliff #2	4/30/2020	0	KPUD
Ferncliff #2	5/31/2020	0	KPUD
Ferncliff #2	6/30/2020	0	KPUD
Ferncliff #2	7/31/2020	10060	KPUD
Ferncliff #2	8/31/2020	48850	KPUD
Ferncliff #2	9/30/2020	20160	KPUD
Ferncliff #2	10/31/2020	0	KPUD
Ferncliff #2	11/30/2020	0	KPUD
Ferncliff #2	12/31/2020	0	KPUD
Ferncliff #2	1/31/2021	0	KPUD
Ferncliff #2	2/28/2021	0	KPUD
Ferncliff #2	3/31/2021	0	KPUD
Ferncliff #2	4/30/2021	0	KPUD
Ferncliff #2	5/31/2021	0	KPUD
Ferncliff #2	6/30/2021	0	KPUD
Ferncliff #2	7/31/2021	0	KPUD
Ferncliff #2	8/31/2021	0	KPUD
Ferncliff #2	9/30/2021	0	KPUD
Ferncliff #2	10/31/2021	0	KPUD
Ferncliff #2	11/30/2021	0	KPUD
Ferncliff #2	12/31/2021	0	KPUD
Ferncliff #2	1/31/2022	0	KPUD
Ferncliff #2	2/28/2022	0	KPUD
Ferncliff #2	3/31/2022	0	KPUD
Ferncliff #2	4/30/2022	0	KPUD
Ferncliff #2	5/31/2022	0	KPUD
Ferncliff #2	6/30/2022	0	KPUD
Ferncliff #2	7/31/2022	0	KPUD
Ferncliff #2	8/31/2022	0	KPUD
Ferncliff #2	9/30/2022	0	KPUD
Ferncliff #2	10/31/2022	0	KPUD
Ferncliff #2	11/30/2022	0	KPUD
Ferncliff #2	12/31/2022	0	KPUD
Ferncliff #2	1/31/2023	0	KPUD
Ferncliff #2	2/28/2023	0	KPUD
Ferncliff #2	3/31/2023	0	KPUD
Ferncliff #2	4/30/2023	0	KPUD
Ferncliff #2	5/31/2023	0	KPUD
Ferncliff #2	6/30/2023	0	KPUD
Ferncliff #2	7/31/2023	0	KPUD
Ferncliff #1	1/31/2014	77690	KPUD
Ferncliff #1	2/28/2014	63540	KPUD
Ferncliff #1	3/31/2014	72350	KPUD
Ferncliff #1	4/30/2014	93200	KPUD

Production Well	Measurement Date	Production Voulme	Technician
Ferncliff #1	5/31/2014	114890	KPUD
Ferncliff #1	6/30/2014	141000	KPUD
Ferncliff #1	7/31/2014	233380	KPUD
Ferncliff #1	8/31/2014	174650	KPUD
Ferncliff #1	9/30/2014	162400	KPUD
Ferncliff #1	10/31/2014	68900	KPUD
Ferncliff #1	11/30/2014	56490	KPUD
Ferncliff #1	12/31/2014	172350	KPUD
Ferncliff #1	1/31/2015	180470	KPUD
Ferncliff #1	2/28/2015	185320	KPUD
Ferncliff #1	3/31/2015	164400	KPUD
Ferncliff #1	4/30/2015	222790	KPUD
Ferncliff #1	5/31/2015	109090	KPUD
Ferncliff #1	6/30/2015	160460	KPUD
Ferncliff #1	7/31/2015	136060	KPUD
Ferncliff #1	8/31/2015	110790	KPUD
Ferncliff #1	9/30/2015	58590	KPUD
Ferncliff #1	10/31/2015	46320	KPUD
Ferncliff #1	11/30/2015	44140	KPUD
Ferncliff #1	12/31/2015	59440	KPUD
Ferncliff #1	1/31/2016	42120	KPUD
Ferncliff #1	2/29/2016	56830	KPUD
Ferncliff #1	3/31/2016	59050	KPUD
Ferncliff #1	4/30/2016	59000	KPUD
Ferncliff #1	5/31/2016	73960	KPUD
Ferncliff #1	6/30/2016	155030	KPUD
Ferncliff #1	7/31/2016	175700	KPUD
Ferncliff #1	8/31/2016	165880	KPUD
Ferncliff #1	9/30/2016	109810	KPUD
Ferncliff #1	10/31/2016	67920	KPUD
Ferncliff #1	11/30/2016	53730	KPUD
Ferncliff #1	12/31/2016	39410	KPUD
Ferncliff #1	1/31/2017	48290	KPUD
Ferncliff #1	2/28/2017	41490	KPUD
Ferncliff #1	3/31/2017	51060	KPUD
Ferncliff #1	4/30/2017	52120	KPUD
Ferncliff #1	5/31/2017	63150	KPUD
Ferncliff #1	6/30/2017	99110	KPUD
Ferncliff #1	7/31/2017	166090	KPUD
Ferncliff #1	8/31/2017	183540	KPUD
Ferncliff #1	9/30/2017	145380	KPUD
Ferncliff #1	10/31/2017	68200	KPUD
Ferncliff #1	11/30/2017	51930	KPUD
Ferncliff #1	12/31/2017	40720	KPUD
Ferncliff #1	1/31/2018	67160	KPUD
Ferncliff #1	2/28/2018	82400	KPUD
Ferncliff #1	3/31/2018	0	KPUD
Ferncliff #1	4/30/2018	59160	KPUD
Ferncliff #1	5/31/2018	98980	KPUD
Ferncliff #1	6/30/2018	211630	KPUD
Ferncliff #1	7/31/2018	150150	KPUD

Production Well	Measurement Date	Production Voulme	Technician
Ferncliff #1	8/31/2018	177500	KPUD
Ferncliff #1	9/30/2018	98710	KPUD
Ferncliff #1	10/31/2018	76450	KPUD
Ferncliff #1	11/30/2018	45230	KPUD
Ferncliff #1	1/31/2019	96300	KPUD
Ferncliff #1	2/28/2019	85940	KPUD
Ferncliff #1	3/31/2019	42140	KPUD
Ferncliff #1	4/30/2019	58360	KPUD
Ferncliff #1	5/31/2019	146440	KPUD
Ferncliff #1	6/30/2019	209250	KPUD
Ferncliff #1	7/31/2019	170480	KPUD
Ferncliff #1	8/31/2019	115240	KPUD
Ferncliff #1	9/30/2019	105350	KPUD
Ferncliff #1	10/31/2019	106360	KPUD
Ferncliff #1	11/30/2019	57510	KPUD
Ferncliff #1	12/31/2019	74030	KPUD
Ferncliff #1	1/31/2020	54460	KPUD
Ferncliff #1	2/29/2020	93030	KPUD
Ferncliff #1	3/31/2020	43840	KPUD
Ferncliff #1	4/30/2020	98420	KPUD
Ferncliff #1	5/31/2020	86000	KPUD
Ferncliff #1	6/30/2020	91750	KPUD
Ferncliff #1	7/31/2020	195890	KPUD
Ferncliff #1	8/31/2020	175120	KPUD
Ferncliff #1	9/30/2020	135640	KPUD
Ferncliff #1	5/31/2021	135730	KPUD
Ferncliff #1	6/30/2021	142760	KPUD
Ferncliff #1	7/31/2021	172320	KPUD
Ferncliff #1	8/31/2021	232700	KPUD
Ferncliff #1	9/30/2021	186250	KPUD
Ferncliff #1	10/31/2021	127500	KPUD
Ferncliff #1	11/30/2021	112680	KPUD
Ferncliff #1	12/31/2021	79180	KPUD
Ferncliff #1	1/31/2022	133770	KPUD
Ferncliff #1	2/28/2022	55490	KPUD
Ferncliff #1	3/31/2022	87390	KPUD
Ferncliff #1	4/30/2022	132070	KPUD
Ferncliff #1	5/31/2022	112680	KPUD
Ferncliff #1	6/30/2022	106640	KPUD
Ferncliff #1	7/31/2022	215500	KPUD
Ferncliff #1	8/31/2022	185980	KPUD
Ferncliff #1	9/30/2022	203520	KPUD
Ferncliff #1	10/31/2022	260150	KPUD
Ferncliff #1	11/30/2022	128150	KPUD
Ferncliff #1	12/31/2022	138900	KPUD
Ferncliff #1	1/31/2023	170540	KPUD
Ferncliff #1	2/28/2023	134500	KPUD
Ferncliff #1	3/31/2023	142980	KPUD
Ferncliff #1	4/30/2023	195500	KPUD
Ferncliff #1	5/31/2023	220800	KPUD
Ferncliff #1	6/30/2023	228700	KPUD

Production Well	Measurement Date	Production Voulme	Technician
Ferncliff #1	7/31/2023	297550	KPUD
Ferncliff #1	8/31/2023	102120	KPUD
Ferncliff #1	9/30/2023	77260	KPUD
Ferncliff #1	10/31/2023	68280	KPUD
Ferncliff #1	11/30/2023	34660	KPUD
Ferncliff #1	12/31/2023	39270	KPUD

Groundwater Management Plan

Appendix I

Public Water System Details

Water System Name	Water System ID	Res Population	Non-Res Population	Connections	Annual Total Pumping 2022 (Gallons)	Water Use per ERU (Gallons/Day)
Bainbridge Island Child Care Cntrs	05369W	0	45	2	N/A	N/A
BAINBRIDGE ISLAND CITY OF	97650T	7,787	4,642	3,438	255,605,000	204
BAINBRIDGE ISLAND PUB WRKS	07138F	0	36	4	N/A	N/A
BAINBRIDGE IS SADDLE	37950	0	11	1	N/A	N/A
BAINBRIDGE ISLAND SPORTSMENS CLUB	37971	5	10	3	N/A	N/A
BATTLE POINT PARK	47258	0	512	6	N/A	N/A
BILL POINT WATER	06790L	200	3	84	5,606,256	183
BLOEDEL RESERVE	00924Q	2	551	8	N/A	N/A
BUCKLIN	66936L	286	121	121	12,732,200	288
CARDEN COUNTRY SCHOOL	63375	3	0	2		N/A
DERBY DOWNS	70093	30	0	13	4,536,993	956
EAGLE HARBOR MARINA	10327J	17	237	54	N/A	N/A
EAGLEDALE PARK	20809Q	0	51	2	N/A	N/A
EMERALD HEIGHTS	23290U	250	0	112	6,833,376	167
FERNCLIFF	24800B	40	0	18	1,760,240	268
Fieldstone Memory Care Bainbridge	54200N	96	73	1	N/A	N/A
GRAHAM PLACE	25341A	34	0	22	1,403,459	175
HARBOR CREST	01832W	53	0	23	1,419,900	169
HAZEL CREEK MONTESSORI	06916W	0	100	2	N/A	N/A
HIDDEN HEIGHTS	009448	40	0	16	1,723,793	295
ISLAND CENTER COMMUNITY	36098X	0	70	4	N/A	N/A
ISLANDWOOD ESTATES	00588U	40	0	14	4,456,008	871
MANZANITA WATER ASSN	510007	40	0	18	1,044,298	159
MEADOWMEER	532750	897	240	335	28,263,648	231
Montessori Country School AP	086745	0	125	7	N/A	N/A
NORTH BAINBRIDGE WATER CO	599949	4,770	720	1944	147,458,900	208
PHELPS ROAD	63210W	58	0	26	1,326,910	140
PLACE EIGHTEEN HOA	169646	32	0	18	672,200	102
PORT MADISON WATER COMPANY	68750W	233	0	103	11,122,012	296
RAVENS REACH	01031B	42	0	16	1,715,127	293
ROCKAWAY BEACH WATER	734507	175	0	72	7,911,000	301
ROSE AVENUE WATER ASSOCIATION	66932J	53	0	20	1,379,519	189
Seabold Community Hall	AD097J	0	35	1	N/A	N/A
SEABOLD HEIGHTS	769734	36	0	12	N/A	N/A
Seabold United Methodist Church	AC591E	3	187	3	N/A	N/A
SOUTH BAINBRIDGE	81451M	3758	441	1530	163,674,500	293
STRAWBERRY HILL PARK	84623B	0	200	5	N/A	N/A
SUNSET HILLS WATER ASSOC	861209	82	0	35	3,336,500	261
WALDEN WATER	438871	34	0	14	738,100	144

Groundwater Management Plan

Appendix J

Contaminated Sites

Site Name	CleanupSiteId	FacilitySiteId	Site Status	Site Rank	Address	Latitude	Longitude
Angell Property	2559	82437154	No Further Action		8825 NE DAY RD	47.678888	-122.53611
Austin Kanvick Property	12136	8627	No Further Action		4372 CRYSTAL SPRINGS DR NE	47.60292747	-122.5753786
Bainbridge Business Park	300	2612	No Further Action		7865 NE DAY RD W	47.67928	-122.54406
Bainbridge Cleaners	3747	79243787	No Further Action		310 MADISON AVE S	47.62285206	-122.5207547
Bainbridge Fire Station 21	10773	84981176	No Further Action		8895 MADISON AVE NE	47.64400768	-122.5214436
Bainbridge Intermodal Transfer Center	9999	64365395	Cleanup Started	5 - Lowest Assessed Risk	260 OLYMPIC DR SE	47.623535	-122.511565
Bainbridge Island Landfill	759	2602	Construction Complete-Performance Monitoring	1 - Highest Assessed Risk	6400 Don Palmer Ave NE	47.61979022	-122.5553235
Bainbridge Island Sportsmens Club	1893	14768	Cleanup Started		8203 SPORTSMAN CLUB RD NE	47.63861111	-122.5341667
Bainbridge Marine Services	301	2615	No Further Action		EAGLE HARBOR	47.62211927	-122.5178496
Bainbridge School Bus Maintenance	8078	15237868	Cleanup Started		9330 HIGH SCHOOL RD NE	47.63593	-122.52392
Battle Point LF	323	2626	No Further Action		VENICE LOOP RD & KIRK ST	47.66881	-122.57645
Battle Point Park	5167	2629	No Further Action		11299 NE ARROW PT DR	47.66252	-122.57484
Berg Heating Oil Tank	14343	15390	No Further Action		13901 SILVEN AVE NE	47.68914	-122.56516
Blakely Harbor Park	14770	60939	Cleanup Started	2 - Moderate-High Risk	Blakely Ave & 3-T Rd	47.5964009	-122.5149838
Brown Heating Oil Tank	11474	13585	Cleanup Started		12903 MANZANITA RD NE	47.680383	-122.563418
Buckingham Property	14986	82752	No Further Action		13509 ELLINGSEN RD NE	47.68565892	-122.52667
Chevron 200425	6944	96325489	No Further Action	2 - Moderate-High Risk	1220 HILDEBRAND LN NE	47.6354	-122.516387
Chevron 96142	5770	25451244	Cleanup Started		323 HIGH SCHOOL RD NE	47.63541945	-122.517419
Clean Center	11944	23096	Cleanup Started	2 - Moderate-High Risk	290 MADISON AVE N	47.626692	-122.5205242
Davidson Property	1620	2830424	No Further Action		1566 FORT WARD HILL RD	47.576778	-122.521806
Day Road Industrial Park	283	2611	Awaiting Cleanup	2 - Moderate-High Risk	DAY RD W & HWY 305	47.67947	-122.54035
Donckers Property	14987	70781	No Further Action		10730 NE COUNTRY CLUB RD	47.59341783	-122.50682

Dwyer Heating Oil Tank	12856	21243	No Further Action		595 MADISON AVE N	47.62952446	-122.5215705
EAGLE HARBOR	2278	151	Cleanup Started		CREOSOTE PL NE	47.61536	-122.49987
EAGLE HARBOR E	2403	153	Construction Complete-Performance Monitoring		CREOSOTE PL NE	47.61535	-122.49986
Eagle Harbor W	2505	154	Cleanup Started		CREOSOTE PL NE	47.61535	-122.49986
EAGLE HARBOR WYCKOFF	2683	152	Cleanup Started		CREOSOTE PL NE	47.61537723	-122.49987
Fay Bainbridge State Park	7818	8791314	Cleanup Started		15446 SUNRISE DR NE	47.70277	-122.50901
Ffitch HOT & Viewcrest Ditch Spill	12409	21038	No Further Action		9390 NE Viewcrest Ave	47.67360717	-122.5237702
Fletcher Bay Mart	5529	11548159	Cleanup Started		8800 Fletcher Bay Rd NE	47.64280195	-122.5642509
Fort Ward Property	10690	83589552	No Further Action		FT WARD RD	47.58361	-122.52256
FUDS FORT WARD	617	185	Cleanup Started		BAINBRIDGE ISLAND	47.583569	-122.5225854
FUDS NAVAL RTS BATTLE POINT	649	184	No Further Action		BAINBRIDGE ISLAND	47.66250059	-122.6624682
FUDS WINSLOW NIKE 82	1684	97336371	Awaiting Cleanup		200 CHERRY AVE	47.632606	-122.499717
Grow Community Building H	13165	7815	No Further Action		310 SHEPARD WAY NW	47.62691977	-122.523362
Hooper Property	13157	24637	No Further Action		Approx 5201-5501 Blakely Ave NE	47.61119063	-122.5402871
Island Gateway	11676	17836	No Further Action		554 580 WINSLOW WAY E	47.62500384	-122.5147779
Lovgren Gravel Pit	326	2651	No Further Action		7500 LOVGREN RD	47.671666	-122.545555
Lynwood Center Corner	270	3804318	Cleanup Started	2 - Moderate-High Risk	4573 POINT WHITE DR	47.604485	-122.548633
Mac N Jacks Island Service	15215	18524786	Cleanup Started		4790 NE EAGLE HARBOR DR	47.61432757	-122.5172153
Madison Ave Garage	5376	5714145	No Further Action		499 MADISON AVE N	47.62951	-122.5211
Madison Ave S & Parfitt Way SW	3303	44882172	Awaiting Cleanup	5 - Lowest Assessed Risk	INTERSECTION OF MADISON AVE S PARFITT WY	47.6222647	-122.5224101
Norge Equipped Cleaning Village Store	4370	61317581	Cleanup Started	2 - Moderate-High Risk	1050 1180 HILDEBRAND LANE NE	47.63429939	-122.5171345
Olympic View Property	8457	25148782	No Further Action		S BEACH DR	47.647596	-122.538746
Paine Property	1353	4893741	No Further Action		9070 SPARGUR LOOP RD	47.696306	-122.526972
Proffer Property	4689	1352462	No Further Action		9431 ERIC PL NE	47.674517	-122.523117
PVT Estates Well	14404	4889	No Further Action		1120 Wing Point Way NE	47.629614	-122.50648

Rector Property	13204	18892	No Further Action		6361 WING POINT RD NE	47.62130769	-122.4933107
Residence Sunrise Dr NE	1778	9188791	No Further Action		12806 SUNRISE DR NE	47.678361	-122.508611
Roost Land Co LLC	14820	42468	No Further Action		4569 POINT WHITE DR NE	47.60468574	-122.5485893
Roost UST Removal Area	14838	66170	No Further Action		4565 POINT WHITE DR NE	47.60552336	-122.5490693
Sakai Property Gas USTs	14843	21072	No Further Action		1560 MADISON AVE N	47.63781936	-122.5186911
Seanor Property	12202	15660	No Further Action		10817 BILL POINT VW NE	47.611426	-122.501114
Sound Publishing Day Road Industrial Park	12888	66911111	No Further Action		7689 DAY RD NE	47.67927	-122.54627
Stewart Heating Oil Tank	12881	3307	Awaiting Cleanup		546 LOVELL AVE NW	47.62912723	-122.5258207
Stone Property	920	2613	No Further Action	4 - Low-Moderate Risk	7480 BUCKLIN HILL RD NE	47.62126	-122.54839
Strawberry Plant	11500	15438	Cleanup Started	2 - Moderate-High Risk	240 WEAVER RD NW	47.62526319	-122.531011
Suyematsu Farm USTs	14749	83711	No Further Action		9229 NE DAY RD E	47.67831722	-122.52818
Tosco Bainbridge Island Bulk Plant 1784	3960	26595127	Cleanup Started	2 - Moderate-High Risk	WEAVER AVE & SHEPARD WAY NW	47.62660271	-122.5304761
Unocal 4388	6127	46126151	Cleanup Started	2 - Moderate-High Risk	101 OLYMPIC DR SE	47.62468737	-122.5144402
Western Reclamation	911	87472696	No Further Action		233 WEAVER RD NW	47.62612	-122.53247
Wilkes Elementary School	12140	7873	No Further Action		12781 MADISON AVE NE	47.678276	-122.522489
Winslow Ravine	11945	14357	Awaiting Cleanup		Winslow Olympic Bjune	47.62430723	-122.51506
Winslow Way W & Madison Ave N	894	28682498	Awaiting Cleanup	5 - Lowest Assessed Risk	WINSLOW WAY W & MADISON AVE N	47.62489349	-122.5210668

Groundwater Management Plan

Appendix K

EA Technical Memo on Groundwater Modeling

2025

EA Engineering, Science, and Technology, Inc., PBC

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July 2025

TECHNICAL MEMORANDUM

TO: Chris Wierzbicki, Public Works Director, City of Bainbridge Island

FROM: David Nazy, LHG, CWRE, Senior Geologist
Brent Meyer, Senior Hydrogeologist
Luke Flores, Engineer

SUBJECT: Groundwater Flow Model Technical Memorandum
City of Bainbridge Island, Kitsap County

1. PURPOSE AND SCOPE

EA Engineering, Science, and Technology, Inc., PBC (EA) has been contracted by the City of Bainbridge Island (COBI) to develop the island's comprehensive Groundwater Management Plan (GWMP). As part of this effort, an existing groundwater flow model was updated and used to run predictive scenarios in aid of the GWMP. The objective of the modeling effort was to provide: (1) a well calibrated groundwater flow that adequately represents subsurface conditions for future use by COBI to evaluate current groundwater flow conditions, (2) reasonable estimates of possible future climatic and aquifer stress conditions (sea levels, groundwater recharge, and extraction rates), and (3) interpretations of the impacts that these possible future conditions will have on groundwater resources on Bainbridge Island. This technical memorandum should be interpreted solely in the context of the GWMP and, on its own, does not seek to provide recommendations regarding groundwater use on Bainbridge Island. Formalized recommendations are outlined in the GWMP, which this groundwater flow model and technical memorandum only seek to augment and provide guidance for.

2. BACKGROUND

A brief history of the groundwater model to be discussed in this technical memorandum is provided. In 2011, U.S. Geological Survey (USGS) in conjunction with COBI developed a groundwater flow model using the open-source software MODFLOW-2000 (Frans et al. 2011; Harbaugh et al. 2000). This model is referred to as the **2011 USGS model**. In 2016, USGS updated the **2011 USGS model** with a new numerical solver, MODFLOW-NWT (Niswonger et. al. 2011; Frans and Olsen 2016), and is referred to as the **2016 USGS model**. In 2023, Aspect Consulting, LLC (Aspect) began performing assessments to address the sustainability of Bainbridge Island's aquifer systems. As part of Aspect's evaluation, the **2016 USGS model** was utilized after a series of revisions were made to the model. The revised **2016 USGS model** is now referred to as the **2023 Aspect model** (Aspect 2023).

Aspect's revisions include (but are not necessarily limited to):

- Converting the MODFLOW-NWT model into a MODFLOW-USG model ("USG" refers to "unstructured grid" and to be described in more detail in Section 4).

- Removing stream boundary conditions and converting all model cells in model layer 1 (the ground surface layer) into drain boundary conditions. This enforces groundwater levels simulated above ground level to be instantaneously removed from the model. This revision has led to the misunderstanding that the model is capable of simulating streamflow; however, as will be discussed in Section 4, this is an inaccurate characterization of the revision.

- The **2016 USGS model** simulated annual stress periods from 1984 through 2004, followed by monthly stress periods from January 2005 through December 2012. Aspect increased the simulation period with monthly stress periods from January 2013 through December 2021. Adding additional stress periods necessitates imposing the necessary and relevant physical boundary conditions over the added time period, specifically groundwater recharge rates and extraction and injection rates. Sea levels were assumed to remain constant over this eight-year period. Spatially and temporally varying precipitation was obtained via the PRISM dataset (PRISM Climate Group 2022) and regression equations relating precipitation to groundwater recharge from Bidlake and Payne (2001) were applied to assign recharge rates in the model. This is the same methodology implemented within the **2016 USGS model**. Extraction rates at individual pumping wells were assigned based on public supplier extraction records when available. When historic extraction rates were not available the last simulated extraction rate (December 2012) was assigned to a linear growth rate proportional to average growth across the water system in which the well is a member. It is not clear how this growth rate was calculated (e.g., population based, number of connections, etc.)

- The *Allow Automatic Flow Reduction* function was implemented in the **2023 Aspect model**. This functionality automatically reduces the assigned pumping rate when either model convergence is not achieved or the model cell where pumping is applied runs dry (simulated groundwater levels are below the bottom elevation of the cell).

Aspect (2023) provides a more detailed review of the revisions made to the **2016 USGS model** which led to the **2023 Aspect model**.

After revisions were made to the model, Aspect performed a hypothetical model run to predict future groundwater conditions based on possible future climate and growth scenarios. This predictive scenario run simulated the time from 2022 through 2121 and was based on annual stress periods. The scenario assumed a 50 percent (%) increase in extraction rates, a 20% decrease in recharge, and a 4-foot increase in mean sea level. All three changes were modeled to occur instantaneously and were not increased or decreased over time. However, with implementation of the *Allow Automatic Flow Reduction* function described above the extraction rate increase was limited to 38%.

EA received the **2023 Aspect model** in April 2023 and as part of EA's task order a comprehensive review of the model was performed prior to using the model. This review

identified several deficiencies and limitations within the **2023 Aspect model** which hindered achievement of the stated modeling objectives. As a result, EA revised the model to satisfy project objectives outlined in this technical memorandum (memo).

The format of this memo is as follows. Section 3 provides the conceptual site model which forms the basis for the groundwater flow model, including climate and hydrogeology. Section 4 outlines every component of the groundwater model used in this analysis and, when relevant, the revisions that were made to the **2023 Aspect model**. Predictive model scenarios were simulated to aid in the development of the GWMP. These scenarios (their representation and development) and associated results are provided in Section 5.

3. CONCEPTUAL SITE MODEL

Bainbridge Island is a 30-square-mile island within Kitsap County, Washington. The island is located within Puget Sound. The City of Seattle is to the east of the island and the Kitsap Peninsula is to the west, separated by the 2-mile wide Port Orchard. Bainbridge Island has a population of approximately 25,000 people as of the 2020 census. There is no major industry located on the island and the economy is primarily service industry based. All drinking water on the island is sourced from on-island groundwater extraction wells meaning all aquifers underling Bainbridge Island are sole source aquifers.

3.1 PHYSIOGRAPHIC SETTING

Bainbridge Island is within the Puget Lowland, a subset of the Pacific Border physiographic province. The Puget Lowland is a north-south running depression formed by multiple glacial advances and retreats, up to and including the most recent glacial period (approximately 10,000 to 15,000 years ago). The depression is bound by the Olympic Mountains to the west and the Cascade Mountain Range to the east. Topographic relief is relatively low to moderate within the lowland. The province has warm and dry summers and mild, wet winters, with an average annual precipitation of around 45 inches (Washington Department of Natural Resources 2025). Over 80% of this precipitation falls within October and March, with most of this precipitation falling as rain. Pre-European American settlement the region was largely enveloped by coniferous forest, dominated by Douglas Fir, Western Hemlock, and Western Red Cedar. On Bainbridge Island specifically, industrial logging began in the late 19th century and continued into the first half of the 20th Century. Most of the trees on the island today are not original “legacy” forest trees but have been reestablished post-deforestation (Bainbridge Island Metro Park and Recreation District 2025). At least 59 named streams exist on Bainbridge Island, with 27 of these being identified as perennial and the remaining 32 as seasonal or ephemeral. Currently, no streams on the island are continually gauged or monitored for streamflow or stage.

3.2 HYDROGEOLOGY

The groundwater model domain (to be described in Section 4.1) includes Bainbridge Island and a significant portion of the Kitsap Peninsula. As a result, this section outlines the hydrogeologic setting of both the Kitsap Peninsula and Bainbridge Island as it pertains to the groundwater flow model. Moreover, this discussion is not meant to be exhaustive and is only meant to provide a

context for the technical memorandum. A more detailed overview of the local geology is provided in Welch et al. (2014), Frans et al. (2011), and Frans and Olsen (2016).

The Kitsap Peninsula's aquifer system is an alternating sequence of aquifers and fine-grained confining units. This sequence is outlined below in order from youngest (closest to ground surface) to oldest (deepest).

Vashon Recessional Aquifer, Qvr

The Vashon Recessional Aquifer (Qvr) is a Quaternary surficial aquifer across small areas of Kitsap Peninsula, typically along streams and drainage pathways. The Qvr was formed primarily from glacial recessional outwash but may also include elements formed by more recent alluvial processes. The Qvr is not present on Bainbridge Island.

Vashon Till Confining Unit, Qvt

The Vashon Till Confining Unit (Qvt) is a finely packed Quaternary clay till matrix containing sands and gravels. The Qvt is present across both the Kitsap Peninsula and Bainbridge Island and is present at land surface throughout much of the model domain. Due to historical and ongoing present-day erosion the Qvt is eroded in areas throughout the model and is therefore considered continuous on a regional scale but discontinuous on a local scale.

Vashon Advance Aquifer, Qva

The Vashon Advance Aquifer (Qva) is a shallow sand and gravel Quaternary aquifer that exists ubiquitously across Kitsap Peninsula and Bainbridge Island. Although present on both, the Qva is not connected between Kitsap Peninsula and Bainbridge Island due to local groundwater discharge into Port Orchard. The Qva is the most used aquifer for domestic use within the model study area. No public groundwater supply well extracts water from the Qva on Bainbridge Island.

Upper Confining Unit, QC1, and Permeable Interbeds, QC1pi

The Upper Confining Unit (QC1) is a competent unit of clay and silt and is present across all of the study area and is sometimes referred to as the Lawton Clay unit. The presence of peat within QC1 suggests a possible Quaternary lacustrine origin. The average thickness of the QC1 is 120 feet but is as thick as 300 feet in some areas of the model domain. Notably, in the northern areas of Kitsap Peninsula and within Bainbridge Island, local coarse-grained discontinuities are present within the QC1 that is sufficiently water bearing for domestic extraction. These permeable lenses are referred to as the Permeable Interbeds (QC1pi) and are likely the result of an ancestral braided stream complex. No public groundwater supply well extracts water from the QC1pi on Bainbridge Island.

Sea Level Aquifer, SLA

The Sea Level Aquifer (SLA) is a widely present and used aquifer on Kitsap Peninsula and Bainbridge Island. The SLA consists of sands and gravels but contains local fine grained interbeds. As its name implies, the SLA intersects Puget Sound to the east, with depths ranging to approximately 200 feet below sea level. In addition, the SLA is likely connected between the Kitsap Peninsula and Bainbridge Island under the Agate Passage, at the northern extent of the island. On Bainbridge Island, the largest public water supply well system screened within the SLA is the Head of the Bay well network.

Middle Confining Unit, QC2

The Middle Confining Unit (QC2) is a very thick low-permeability aquitard underlying the SLA. QC2 has thickness ranging from 100 to 600 feet, with some of greatest thicknesses present on Bainbridge Island.

Glaciomarine Aquifer, GMA

The Glaciomarine Aquifer (GMA), below the QC2, is present at depths greater than 650 feet below sea level. The GMA is not as thick or continuous at the SLA (or the Flecther Bay Aquifer below it) and yields less water. As a result, only one public water supply well is screened within the GMA (Taylor Road Well). The GMA is continuous across Port Orchard, connecting Kitsap Peninsula and Bainbridge Island.

Lower Confining Unit, QC3

The GMA is underlain by the Lower Confining Unit (QC3), an approximately 200-foot-thick unit consisting of clays and silts.

Fletcher Bay Aquifer, FBA

The Fletcher Bay Aquifer (FBA) is the deepest aquifer across the model study area, with depths up to 900 feet below sea level. The FBA is present across the entire model (except where bedrock outcrops) and is continuous between the Kitsap Peninsula and Bainbridge Island across Port Orchard. Public water supply wells Sands Road 1 and 2, Fletcher Bay Well, and Island Utility Well 1 and 3 all extract water from the FBA on Bainbridge Island.

Basal Units

Underlying the FBA is another extensive unit of clay and silt which extends to depths at least 1,200 feet below sea level. Below this low permeability unit is a bedrock unit consisting of marine sedimentary rocks and volcanic rocks. The bedrock is present everywhere and outcrops as Green Mountain and Gold Mountain on Kitsap Peninsula as well as on the southern extent of Bainbridge Island. This means the southern area of the island has no named aquifer or aquitard, only bedrock. Although water bearing fractures exist in the shallow portions of this outcrop, for

the purposes of the modeling effort, the bedrock is assumed to be fully competent and incapable of transmitting water at a significant rate.

4. GROUNDWATER MODEL REVISIONS AND DEVELOPMENT

This section describes the components of the groundwater model design which includes the model domain (horizontal and vertical), geologic layers, aquifer parameter assignment (e.g., hydraulic conductivity), boundary conditions, and aquifer stresses (such as recharge and pumping). For each subsection the model received by EA (the **2023 Aspect model**) will be briefly described followed by any revisions made by EA. If a revision was made, a justification for that revision is also provided. The model described in this section will be referred to as the **2025 EA model**. Moreover, this section only describes the baseline model (1984 to 2021) and the associated inputs. The predictive model (2022 to 2121) and the associated input datasets are described in Section 5.

4.1 MODEL SPECIFICATIONS

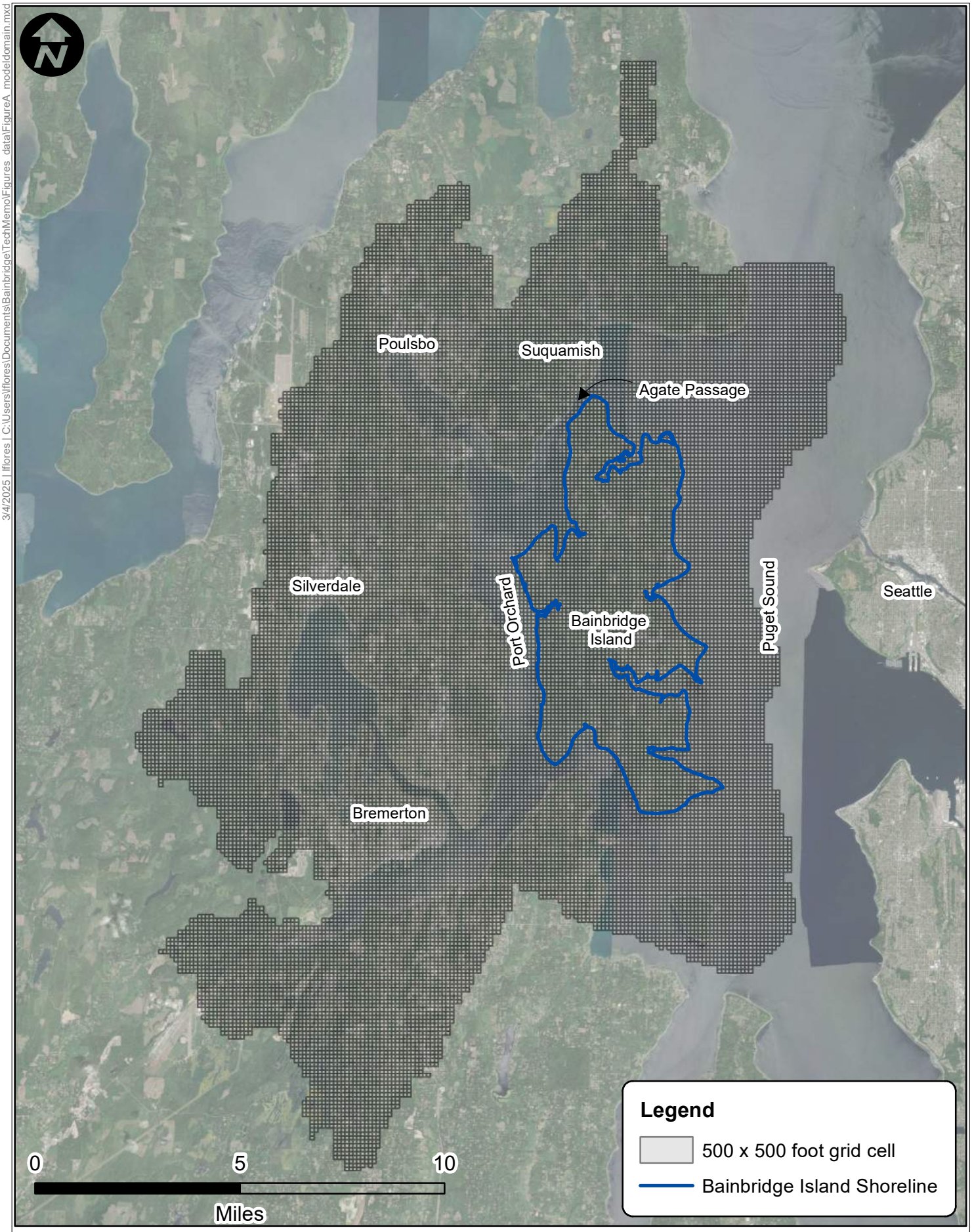
The **2023 Aspect model** is a MODFLOW-USG model. This means it uses an unstructured grid, and the associated unstructured grid solver (Panday et al. 2013). During the model review it was noted that despite the -USG version of MODFLOW being used, the grid structure of the model was still rectilinear. It was further realized that this component of the model severely increased the model's run time (approximately 3-4 times longer). Typically, an unstructured grid (of any groundwater model) is implemented to better simulate localized areas of sharp hydraulic gradients (e.g., around an extraction well) by allowing for small spatial discretization of the feature locally. Given that this feature was not used, EA did not see the value in maintaining the unstructured grid and converted the model back to a rectilinear cell-based grid. The **2025 EA Model** is a MODFLOW-NWT model, using the NWT solver to solve the system of groundwater flow equations.

The **2023 Aspect model** simulated annual stress periods from 1984 through 2012 and monthly stress periods from January 2013 through December 2021, for a total of 225 stress periods. This was not revised over the course of this effort.

4.2 MODEL DOMAIN AND GRID

The horizontal groundwater model domain is shown on **Figure 1** which is the same groundwater model domain of the **2023 Aspect model**. As discussed above, the **2025 EA model** uses a rectilinear grid. This grid has a cell spacing of 500 by 500 feet and there are 315 rows and 216 columns.

3/4/2025 | lflores | C:\Users\lflores\Documents\Bainbridge\TechMemo\Figures data\FigureA modeldomain.mxd



Groundwater Model Domain **Figure 1**

4.3 MODEL LAYERS

The **2023 Aspect model** has 14 model layers, which is derived from the **2016 USGS model**. Several changes were made to this layer structure in the **2025 EA model**. It is noted that in all of these models (**2023 Aspect model**, **2016 USGS model**, and **2025 EA model**), model layers correspond to the hydrogeologic units described in Section 3.2. The layers are not uniform, or "flat," but follow the top and bottom elevations of individual aquifer and confining units. These elevations were identified in drillers logs by USGS as part of their modeling efforts going back to the **2011 USGS model**. However, during EA's model review, several discrepancies were identified where the model assigned layer elevations did not correspond to the inferred drillers log interpretation of hydrogeologic layers. Two examples of the more significant discrepancies are provided below.

North Bainbridge Well #9

The North Bainbridge Well #9 (NB9) pumping well is part of the Kitsap Public Utility District (KPUD) serving the northern areas of Bainbridge Island. The borehole was drilled in 1992. Based on the NB9 drillers log and the hydrogeologic CSM outlined in Section 3, EA determined that the FBA ranges from 1,125 to 1,394 feet below ground surface, for a total FBA thickness of 270 feet at this location. This interval corresponds to driller identified sands and gravels. Above and below this coarse-grained interval are driller identified clays and silts, which are fine-grained and less permeable. This suggests the presence of confining units, specifically the QC3 confining unit above and the basal clay unit below. However, in the **2023 Aspect model** (based on the **2016 USGS model**), the FBA at the location of NB9 is located between 888 and 1,342 feet below ground surface (454 feet thick). Overestimating portions of model layers (especially where pumping is occurring) can lead to large misinterpretations regarding available water supply, necessitating that incorrect model layer thickness (such as this one) to be revised and corrected.

South Bainbridge Well #8

The South Bainbridge Well #8 (SB8) pumping well is a part of KPUD serving the southern areas of Bainbridge Island near the bedrock outcropping. The **2023 Aspect model** (based on the **2016 USGS model**) has the well screened at a depth range of 157.6 to 189 feet below ground surface, which is accurate, and corresponds to the SLA. However, within the model, bedrock is present and therefore SB8 was modeled to be pumping from bedrock material and not the SLA. Based on the drillers log, bedrock material cannot be inferred to be present from 0 to 192 feet below ground surface.

Further, the bedrock layer near SB8 in the **2023 Aspect model** is assigned a low hydraulic conductivity value of 0.01 feet per day. It follows that because the *Allow Automatic Flow Reduction* functionality results in no model-assigned pumping rates being simulated at SB8. The model could not converge due to a public supply extraction well attempting to extract water from a low conductivity bedrock. The model cannot achieve its stated objectives (evaluating the impacts of increased groundwater pumping) given this inaccurate model layer configuration.

Model design issues required correction before moving forward with any additional model runs and associated interpretations. Ultimately, over 350 drillers logs were reviewed, and model layer depth corrections were assigned based on driller identified lithologic descriptions.

Beyond model layer elevation and thicknesses corrections there were also two additional changes to model layer configuration. First, because the Qvr is absent and the Qvt is not continuous across Bainbridge Island, EA decided to combined the Qvr, Qvt, and Qva into one model layer to improve model run time. Second, the **2023 Aspect model** had two bedrock layers that did not serve any purpose in the overall model water budget. As a result, the **2025 EA model** removes both bedrock units and the FBA serves as the bottom model layer. This change resulted in a total of 9-model layers in the **2025 EA model** in comparison to the 14-model layers in the **2023 Aspect model**. Model layers are outlined in **Table 1**.

Table 1. Hydrogeologic Units and Associated Model Layers

Hydrogeologic Unit	Model Layer in Aspect 2023 Model	Model Layer in EA 2025 Model
Vashon Recessional Aquifer, Qvr	1	1
Vashon Till Confining Unit, Qvt	2	
Vashon Advance Aquifer, Qva	3	
Upper Confining Unit, QC1 (1)	4	2
Permeable Interbeds, QC1pi	5	3
Upper Confining Unit, QC1 (2)	6	4
Sea Level Aquifer, SLA	7	5
Middle Confining Unit, QC2	8	6
Glaciomarine Aquifer, GMA	9	7
Lower Confining Unit, QC3	10	8
Fletcher Bay Aquifer, FBA	11	9
Clay Basal Unit	12	NA
Bedrock (1)	13	NA
Bedrock (2)	14	NA

Notes:
NA = not applicable

4.4 MODEL BOUNDARY CONDITIONS

Boundary conditions in groundwater models are how the aquifer system(s) within the model domain interact with water outside of the model and how water can move into or out of the model. There are three types of boundary conditions within the **2023 Aspect model**. The first is that the edge of the model in all model layers is a no-flow boundary condition. That is, water cannot move into or out of the model laterally. Along the extent of the model on the Kitsap Peninsula, these boundaries coincide with topographic divides (watershed boundaries). In general, this is a valid assumption in shallow aquifer systems where groundwater levels are

strongly controlled by recharge and topography. However, this assumption weakens within deeper aquifers where the impacts of recharge are less prominent and immediate. That is, the assumption of a no-flow boundary condition at all boundaries and depths of the model may not be valid. However, the analysis necessary to determine appropriate boundary conditions in the deeper aquifers fall outside this scope of work. As a result, the **2025 EA model** also assumes that no water may flow into or out of the model laterally at all depths.

The second type of boundary condition is a general head boundary condition, simulated using the *ghb* package within MODFLOW, and is the means by which Puget Sound and other associated canals and inlets are simulated in the groundwater model. This boundary condition allows for water to enter or leave the aquifer system based on an external surface water level (i.e., sea level). The **2025 EA model** did not change any general head boundary conditions from the **2023 Aspect model**.

The third boundary condition simulated in the groundwater model is through use of the *drain* package within MODFLOW. As discussed in Section 2, the initial **2016 USGS model** contained explicit representations of streams within the model, however the **2023 Aspect model** removed the streams within the model due to issues related to model convergence when MODFLOW-USG was implemented. As a result, the entirety of model layer 1 (the ground surface) was assigned as a drain cell which forces simulated groundwater levels above ground surface to be immediately removed from the model (and treated indirectly as runoff). EA does not believe this is the correct way to simulate this process and would have preferred to have explicitly represented stream networks as was done in the **2016 USGS model**. However, this revision was ultimately out of scope of this effort and was not made in the **EA 2025 model.** As a result all cells in model layer 1 are still assigned as drain cells.

4.5 MODEL STRESSES

There are two external stresses simulated in the groundwater model: recharge and extraction/return flows.

Groundwater recharge is the amount of water (usually expressed in units of length per time, e.g., inches per year) that infiltrates the ground surface and reaches the groundwater table or aquifer. Not all infiltrated water reaches the groundwater aquifer because a portion of the infiltrated water will discharge to streams or other surface water bodies, is taken up by vegetation (transpiration), or is evaporated into the atmosphere. In general, groundwater recharge is not an easily measurable quantity in the field and therefore there is always uncertainty in its assigned value. In the **2023 Aspect model**, groundwater recharge was assigned in the same manner as it was assigned in the **2016 USGS model**. Spatially variable precipitation was obtained from the PRISM model (PRISM Climate Group 2012), an open source publicly available dataset, and further downscaled using weather stations throughout the Kitsap Peninsula to provide greater spatial resolution. Regression equations developed by Bidlake and Payne (2001) were then used, which relate precipitation to groundwater recharge for soils in western Washington. **Figure 2** (taken from Welch et al. 2014) shows the four regression equations (expressed as lines on the graph) developed by Bidlake and Payne (2001).

Figure 2. Relationship between precipitation and groundwater recharge used to estimate model assigned recharge (taken from Welch et al. 2014)

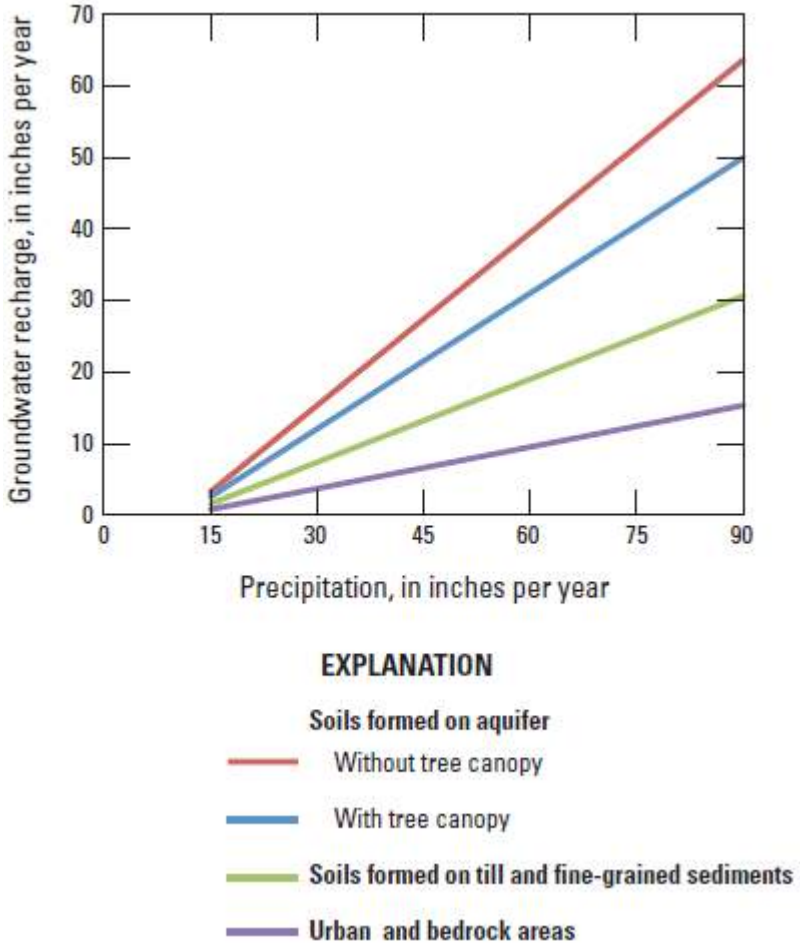


Figure 3 shows the spatially distributed model assigned average annual groundwater recharge rate from 1984 to 2021, expressed in units of inches per year. The distribution of recharge is dependent on the spatial distribution of precipitation derived from the PRISM dataset (which explains the generally increasing "banded" trends in the south-southwest direction) as well as the land use regressions established by Bidlake and Payne (2001) (which explains the variability within a precipitation band). Groundwater recharge is not constant, but rather changes on a yearly time step from 1984 to 2004 and then a monthly time step from 2005 to 2021. However, the relative differences as shown on **Figure 3** hold constant over the entire model simulation period. This element of the model was not changed in developing the **2025 EA model**.

Model assigned pumping and return (septic) flows were pre-defined in the **2023 Aspect model**. As outlined in Section 2, the model assigned extraction and return flow rates were provided in the **2016 USGS model** from 1984 to 2004 on an annual scale and from 2005 to 2012 on a monthly scale. Aspect added to this dataset and added monthly extraction/return flow rates from 2013 to 2021 for select wells. When reported extraction rates were not found by Aspect the pumping rates from the last year of the **2016 USGS model** (corresponding to 2012) were

assigned to the 2013 to 2021 time period. While updating the groundwater model, EA identified additional monthly volumetric extraction rates at the following wells (Sand Road 1-2, Island Utilities Well 1-3, North Bainbridge Well 3, 6, 7, 9, 10, Fletcher Bay Pumping Well, Head of the Bay Well 1, 1A, 2, 3, 4, 5, 6, South Bainbridge Well 7-8, Taylor Road Well, Bloedel Reserve Deep Well), and pumping rates were updated accordingly and are a part of the **EA 2025 model**.

In addition, the **EA 2025 model** has disabled the *Allow Automatic Flow Reduction* function in the model. This enforces that assigned extraction rates are always simulated unless the model fails to converge on a solution. The model always converged so flow reduction was not required.

4.6 MODEL HYDRAULIC CONDUCTIVITY

Hydraulic conductivity is an aquifer property that quantifies the ease in which groundwater can travel through a subsurface material. The **2023 Aspect model** used a spatially continuous conductivity distribution based on the concept of pilot points which was also used in the **2016 USGS model**. Frans and Olsen (2016) provides a detailed description of the pilot point methodology in general and as it was specifically applied in the **2016 USGS model**.

Given the necessary changes made in layer thicknesses (Section 4.3) and extraction rates (Section 4.5) it follows that changes to hydraulic conductivity distributions were required for model calibration. In particular, the **2023 Aspect model** contained hydraulic conductivity assignments as high as 500 feet per day for the FBA. However, while evaluating FBA specific capacity estimates it became apparent that actual hydraulic conductivity values in the FBA are at least one order of magnitude less than 500 feet per day. Similar discrepancies exist in other aquifer units. As an example, **Table 2** provides estimates of hydraulic conductivity of some of the largest supply wells across Bainbridge Island completed in the SLA, GMA, and FBA. These estimates are derived from pump tests performed after well installation. Also provided is the assigned horizontal hydraulic conductivity in the **2023 Aspect model** cell.

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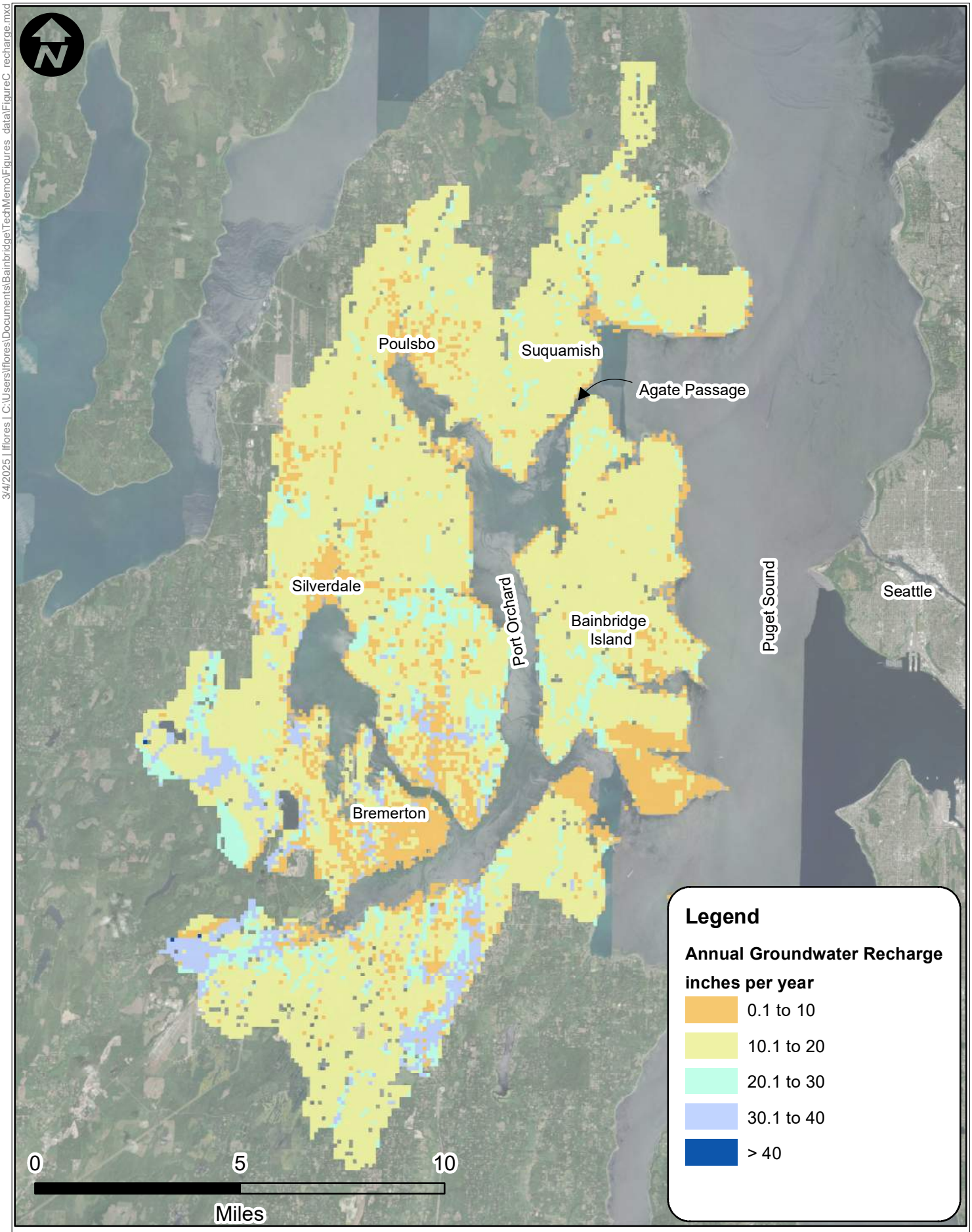

Simulated Average Annual Groundwater Recharge **Figure 3**

Table 2. Hydraulic Conductivity Estimates From Pump Tests Versus Model Assigned Hydraulic Conductivity

Aquifer	Supply Well	Estimated Hydraulic Conductivity from Pump Test (feet per day)	Assigned Hydraulic Conductivity in 2023 Aspect model (feet per day)	Assigned Hydraulic Conductivity in 2025 EA model (feet per day)
FBA	Sands Road 1/2	16	388	15
	North Bainbridge 9	12.7	157	8
	Island Utility Well 1	7.3	280	20
	Fletcher Bay Pumping Well	23.2	14	15
GMA	Taylor Road Pumping Well	0.9	89	13
SLA	Head of the Bay Well 1/1A/3	24.6	0.7	55
	North Bainbridge 3/6/7	24.8	3.4	55

Pump test derived hydraulic conductivity values were redistributed throughout the model layers using spatial zones around supply wells where the hydraulic conductivity was assumed to be constant. The hydraulic conductivity within each zone was allowed to vary during model calibration but was always held to be within a factor of 2 or 3 of the specific capacity estimated hydraulic conductivity value (see Section 4.7).

4.7 MODEL CALIBRATION

Based on the model design changes it was necessary to perform calibration before use. Model calibration is performed by changing model parameters in such a way that model results begin to converge to a solution that satisfies the objectives of the model. In this analysis, the hydraulic conductivity in all nine model layers were varied across Bainbridge Island, both in distribution and values. Off-island hydraulic conductivity was not varied. Model calibration is quantified by minimizing the difference between observed and simulated values. This difference for one monitoring point is called a residual. There are 93 monitoring locations (monitoring wells and pumping wells) that have been gauged since 1984 corresponding to 9,574 individual water level measurements in space and time. The error of the model was expressed using the normalized root mean squared deviation (NRMSD) between the observed groundwater levels and the simulated groundwater levels. The NRMSD is calculated as:

$$NRMSD = \frac{\sqrt{\sum_{i=1}^{N}(h_{obs,i} - h_{sim,i})^2}}{\max(h_{obs}) - \min(h_{obs})}$$

where:

$h_{obs,i}$ is the observed groundwater level at a measured point i
$h_{sim,i}$ is the simulated groundwater level at a corresponding modeled point in space i
N is the total number of measuring points (in this case, $N = 9{,}574$)
$max(h_{obs})$ and $min(_{hobs})$ are the maximum and minimum observed groundwater levels for the simulation period

An acceptable NRMSD is typically 10% or less. Calibration was performed iteratively by changing initial parameter values sequentially until the NRMSD for groundwater levels settled below 10%. At the end of model calibration, the NRMSD of the **2025 EA model** for on-island samples is 3.98%. An observed versus simulated graph of groundwater levels is shown on **Figure 4** along with two dashed lines showing the 5% and 10% error. Ideally, all monitoring points would lie within a 10% error. For this model, 97% of modeled points fall within 10% error (9,259 out of 9,574). The final calibrated hydraulic conductivity distributions for all nine model layers are provided on **Figures 5A through 5I**.

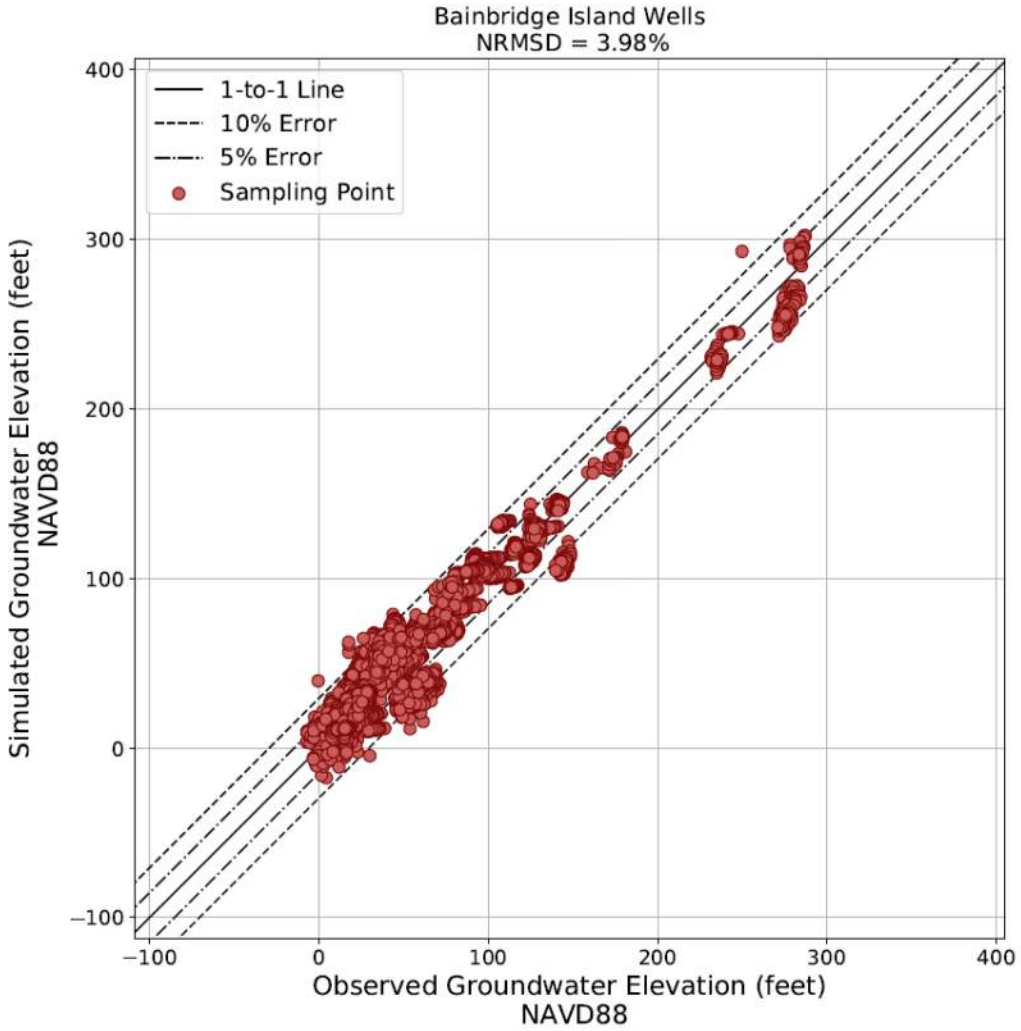

Figure 4. Observed versus Simulated Groundwater Levels on Bainbridge Island

4.8 MODEL RESULTS

Output from the calibrated **2025 EA model** will serve as the point of comparison for the predictive modeling in Section 5. Simulated groundwater contours in the Qva, SLA, GMA, and FBA at the final stress period (corresponding to December 2021) are shown on **Figures 6 through 9**, respectively. In reference to **Figures 6 through 9**, a ubiquitous downward hydraulic

gradient exists across Bainbridge Island, meaning groundwater levels are higher within the hydrogeologic units closer to land surface. Average groundwater levels within the four water bearing units are provided below in **Table 3** showing the monotonic downward gradient between units.

Table 3. Simulated Current Average Groundwater Levels In Primary Hydrogeologic Units Across Bainbridge Island

Mean Groundwater Level (feet above mean sea level)	
Hydrogeologic Unit	**Current**
Qva	102.2
SLA	43.4
GMA	37.2
FBA	36.8

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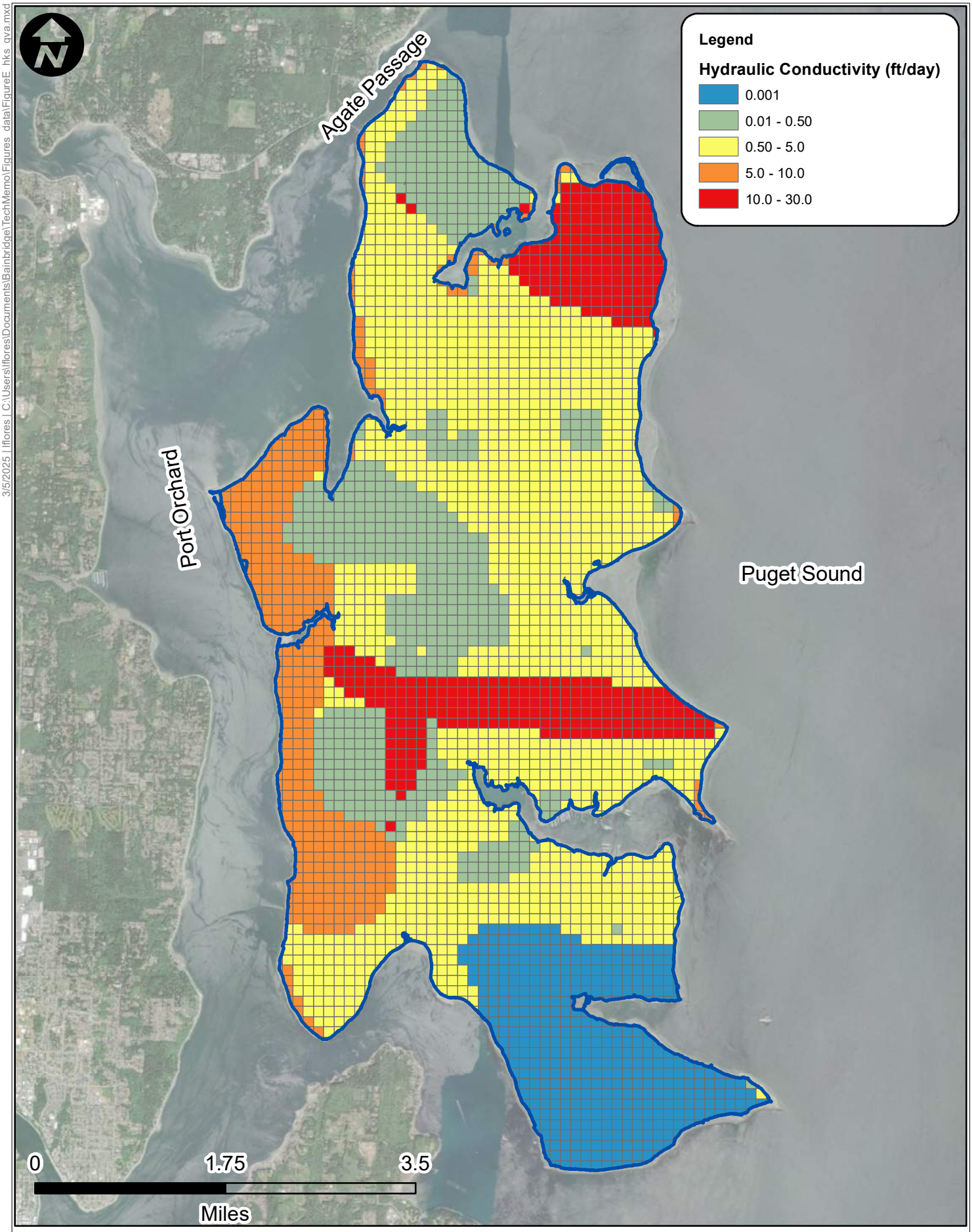

Model Assigned Hydraulic Conductivity (Layer 1 - Vashon Recessional Aquifer)

Figure 5-A

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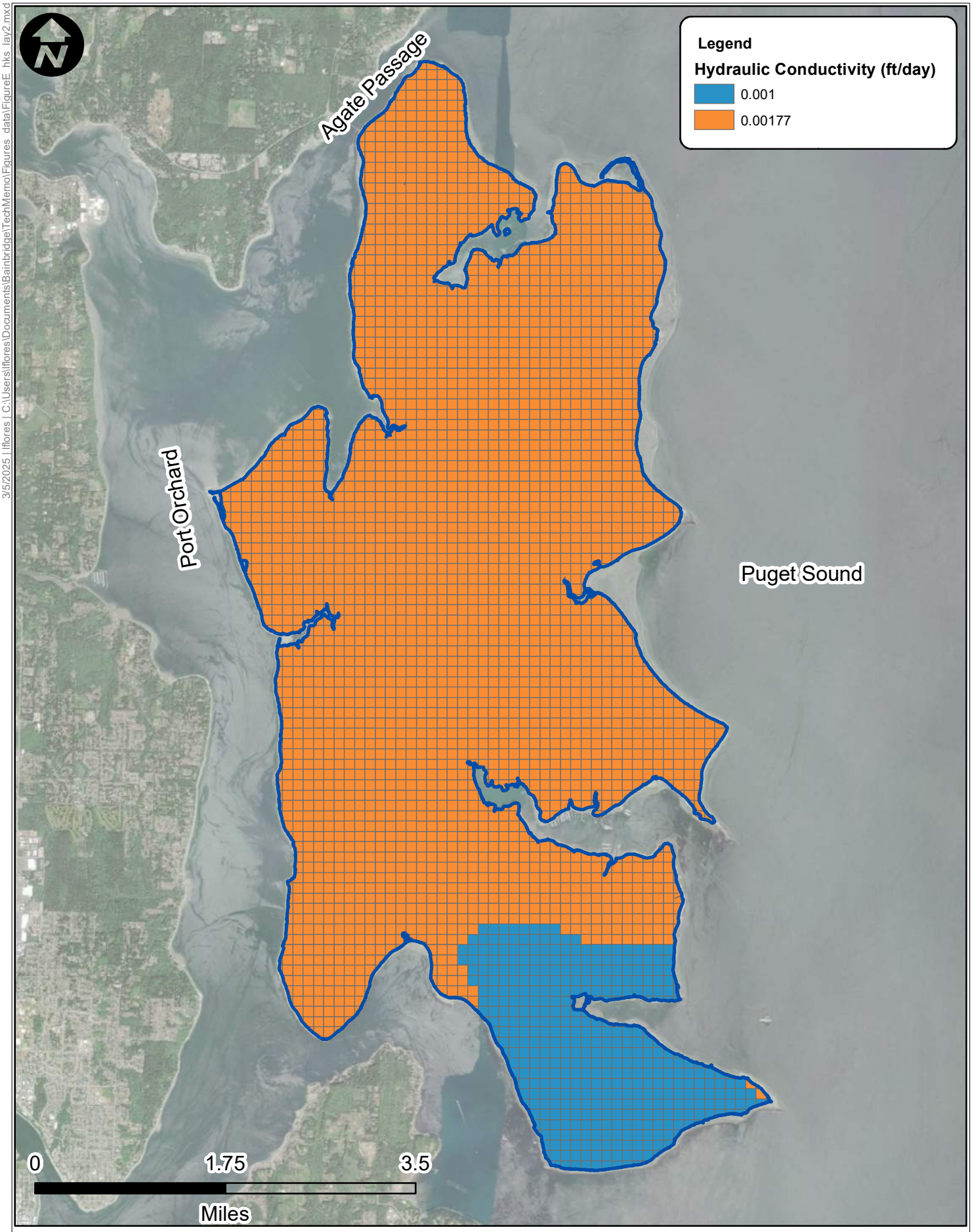

Model Assigned Hydraulic Conductivity (Layer 2 - Upper Confining Unit [1])

Figure 5-B

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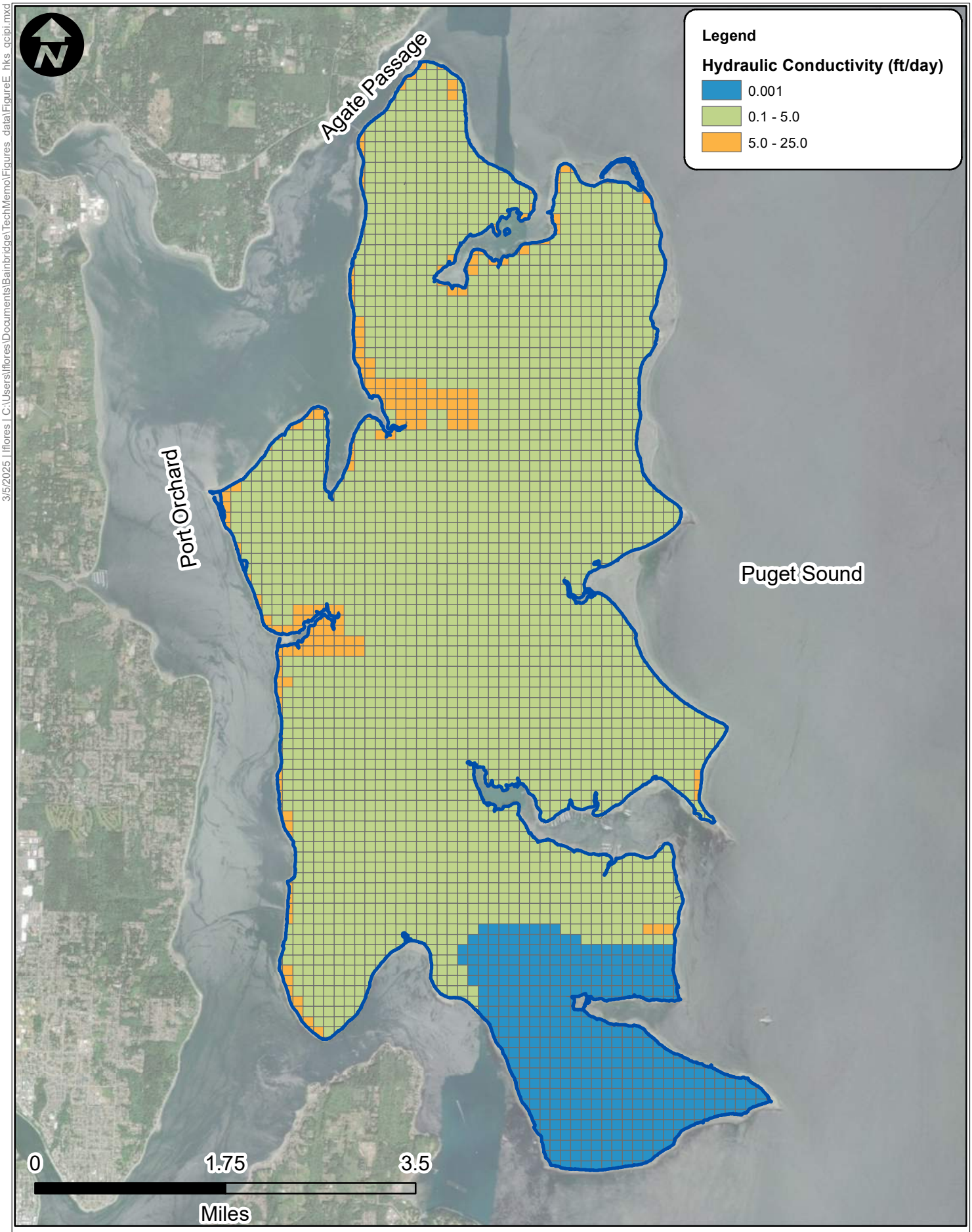

Model Assigned Hydraulic Conductivity
(Layer 3 - Upper Confining Unit 1 - Permeable Interbeds)

Figure 5-C

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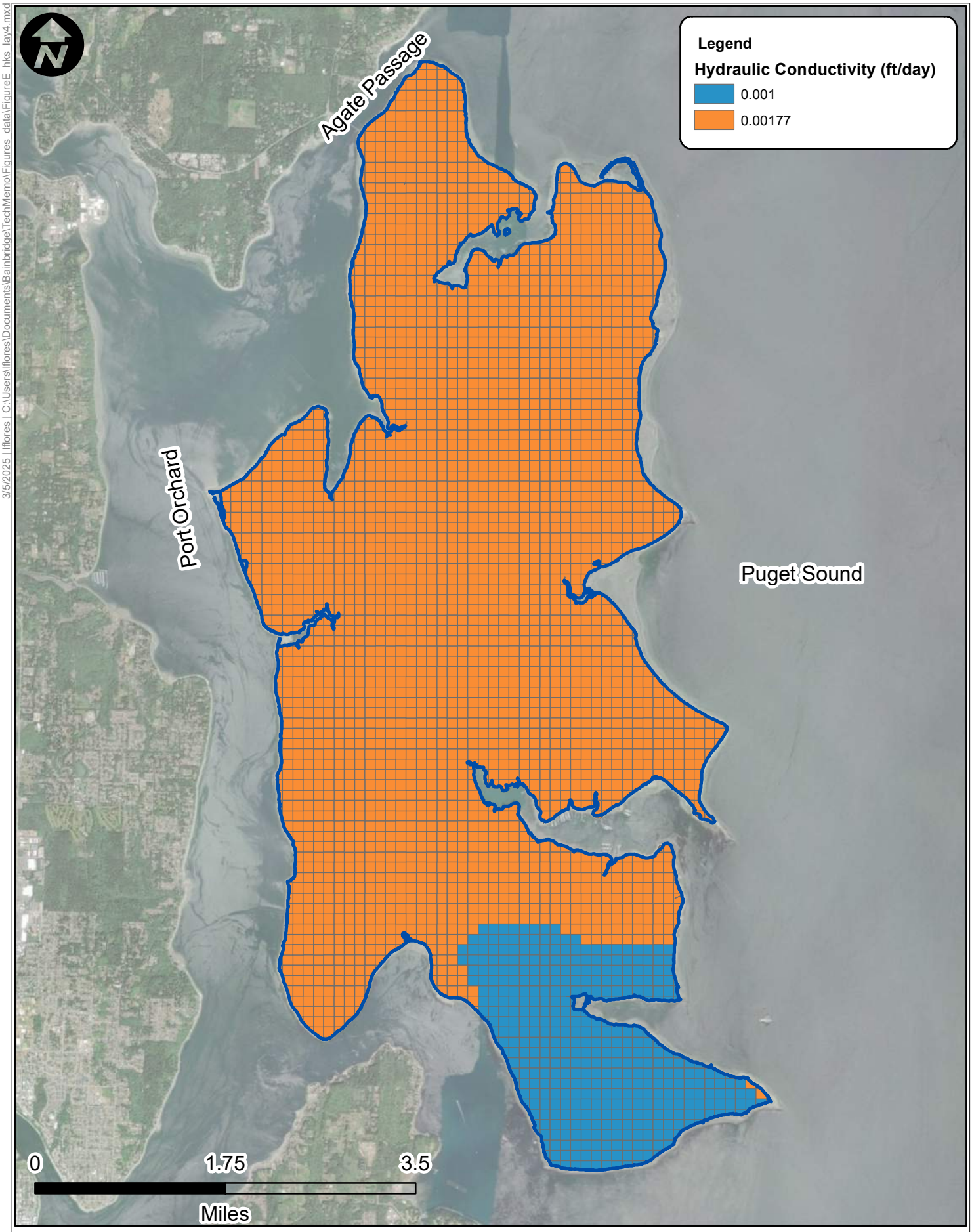

Model Assigned Hydraulic Conductivity (Layer 4 - Upper Confining Unit [2])

Figure 5-D

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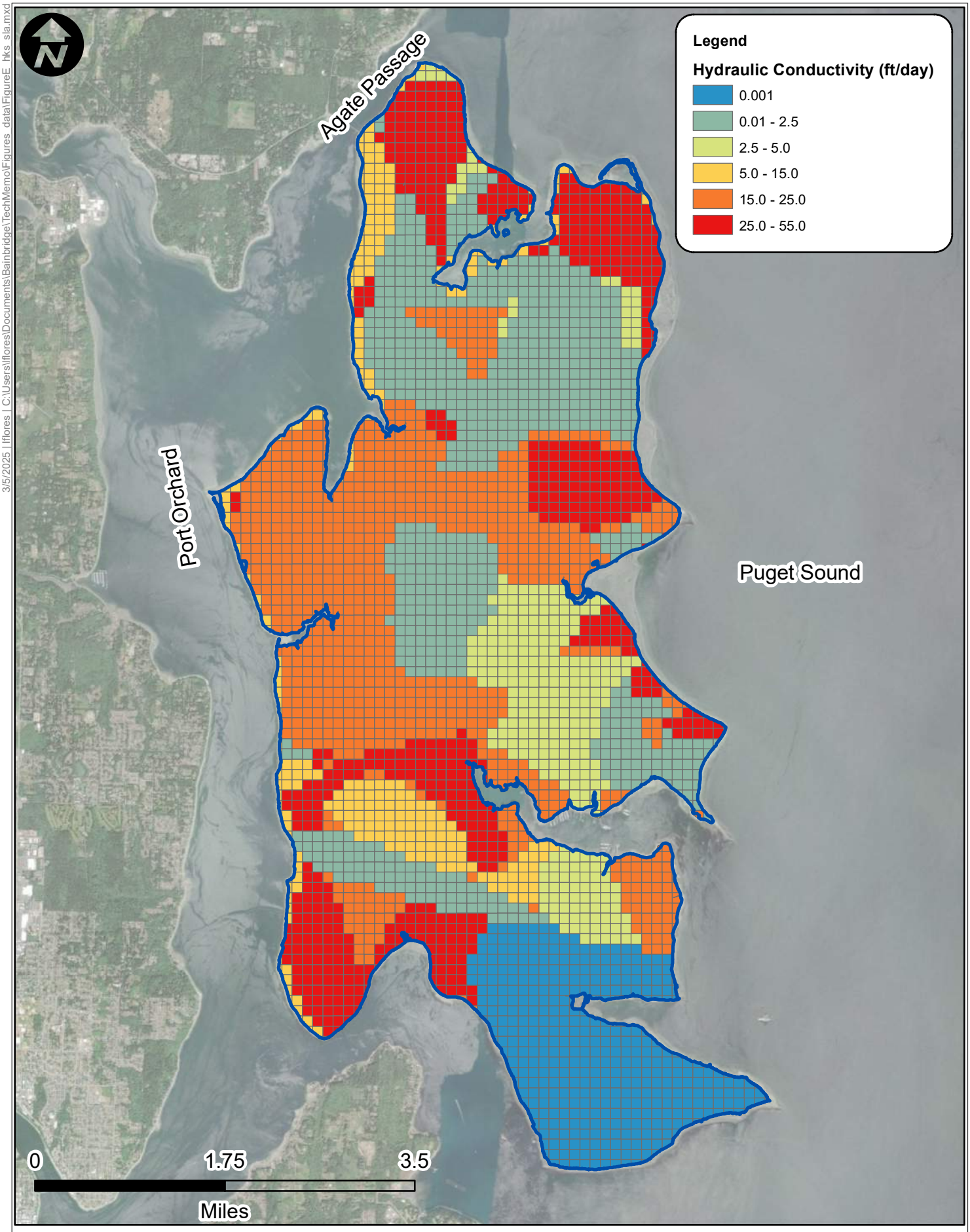

Model Assigned Hydraulic Conductivity (Layer 5 - Sea Level Aquifer) **Figure 5-E**

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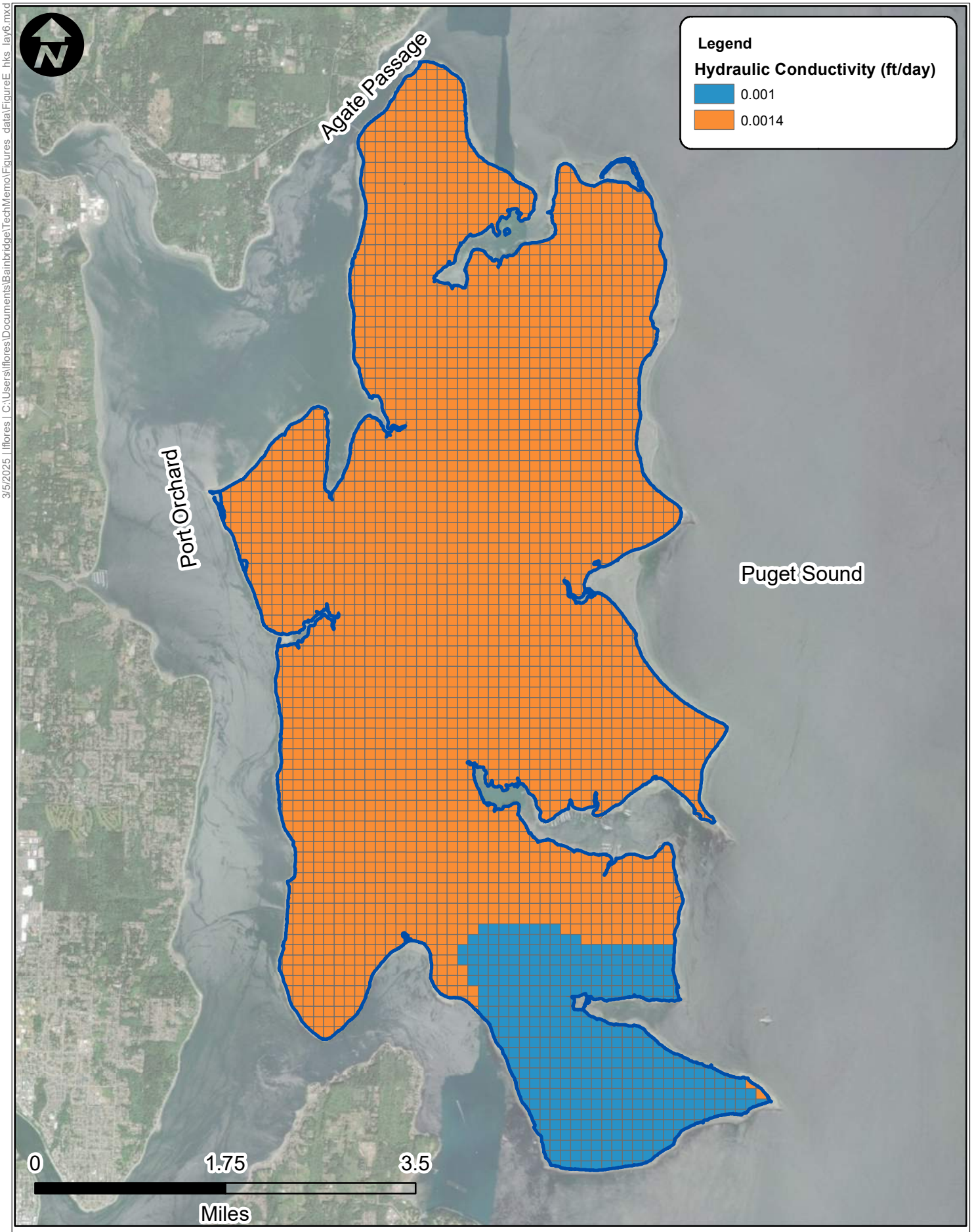

Model Assigned Hydraulic Conductivity (Layer 6 - Middle Confining Unit)

Figure 5-F

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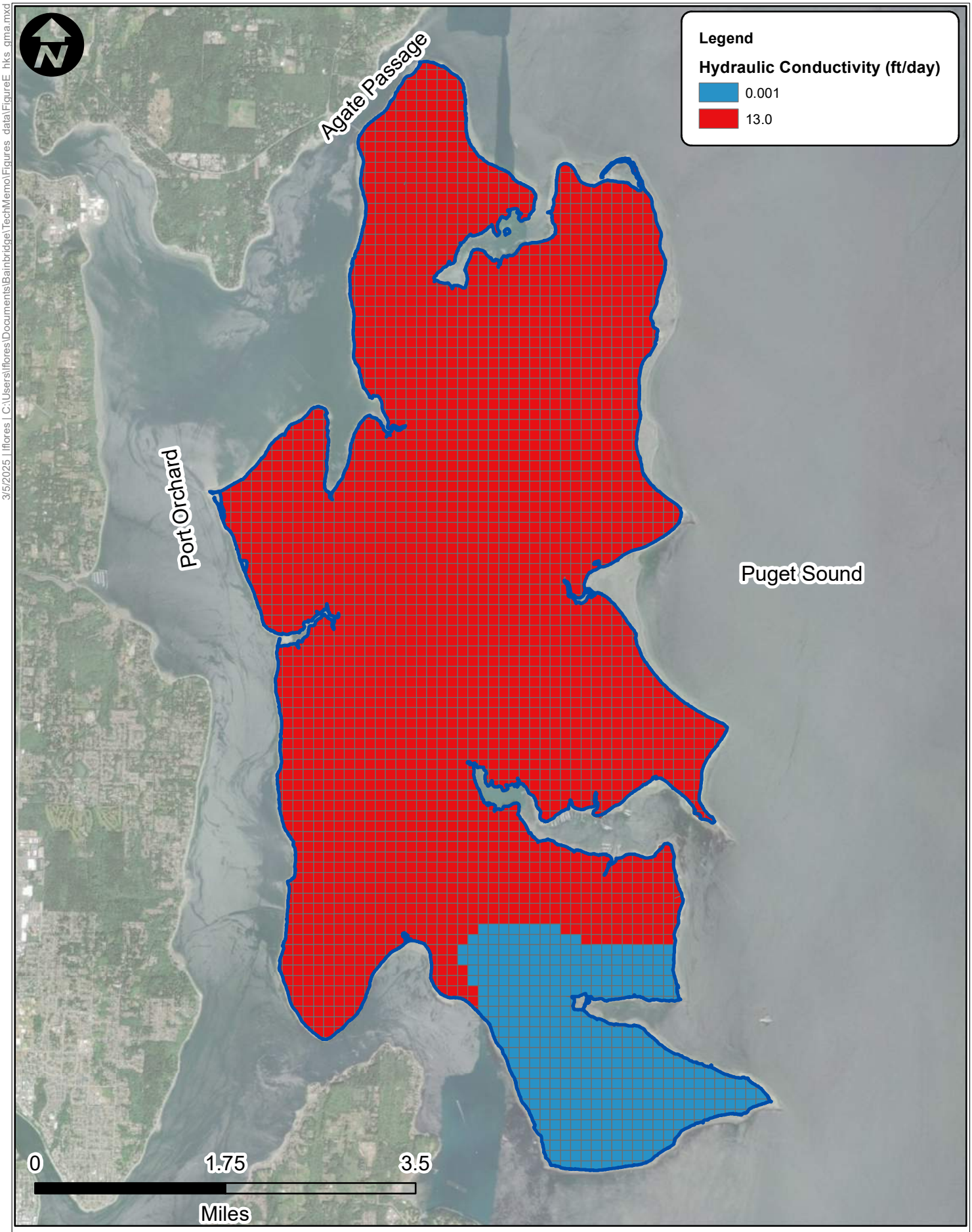

Model Assigned Hydraulic Conductivity (Layer 7 - Glaciomarine Aquifer) **Figure 5-G**

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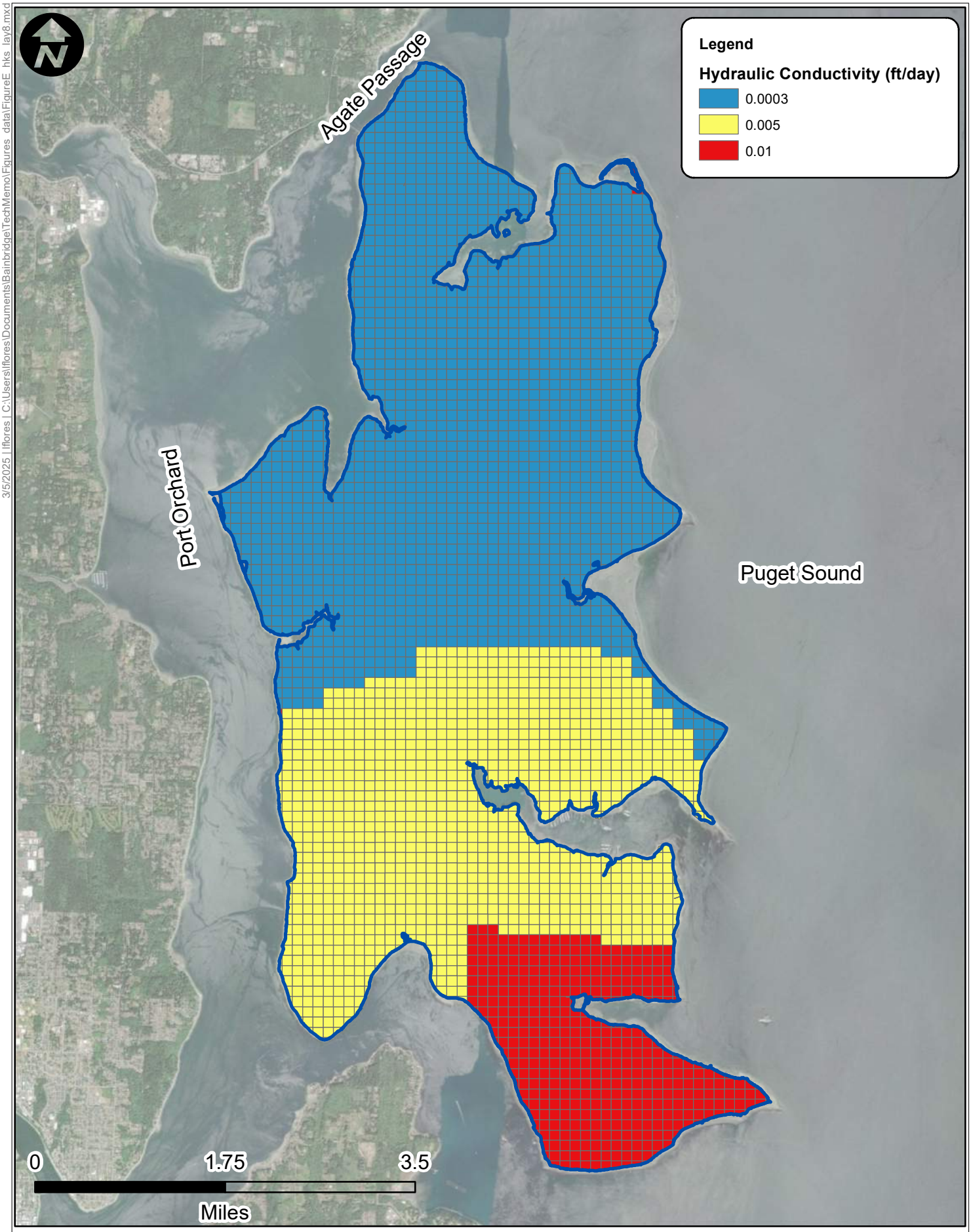

Model Assigned Hydraulic Conductivity (Layer 8 - Lower Confining Unit 3) **Figure 5-H**

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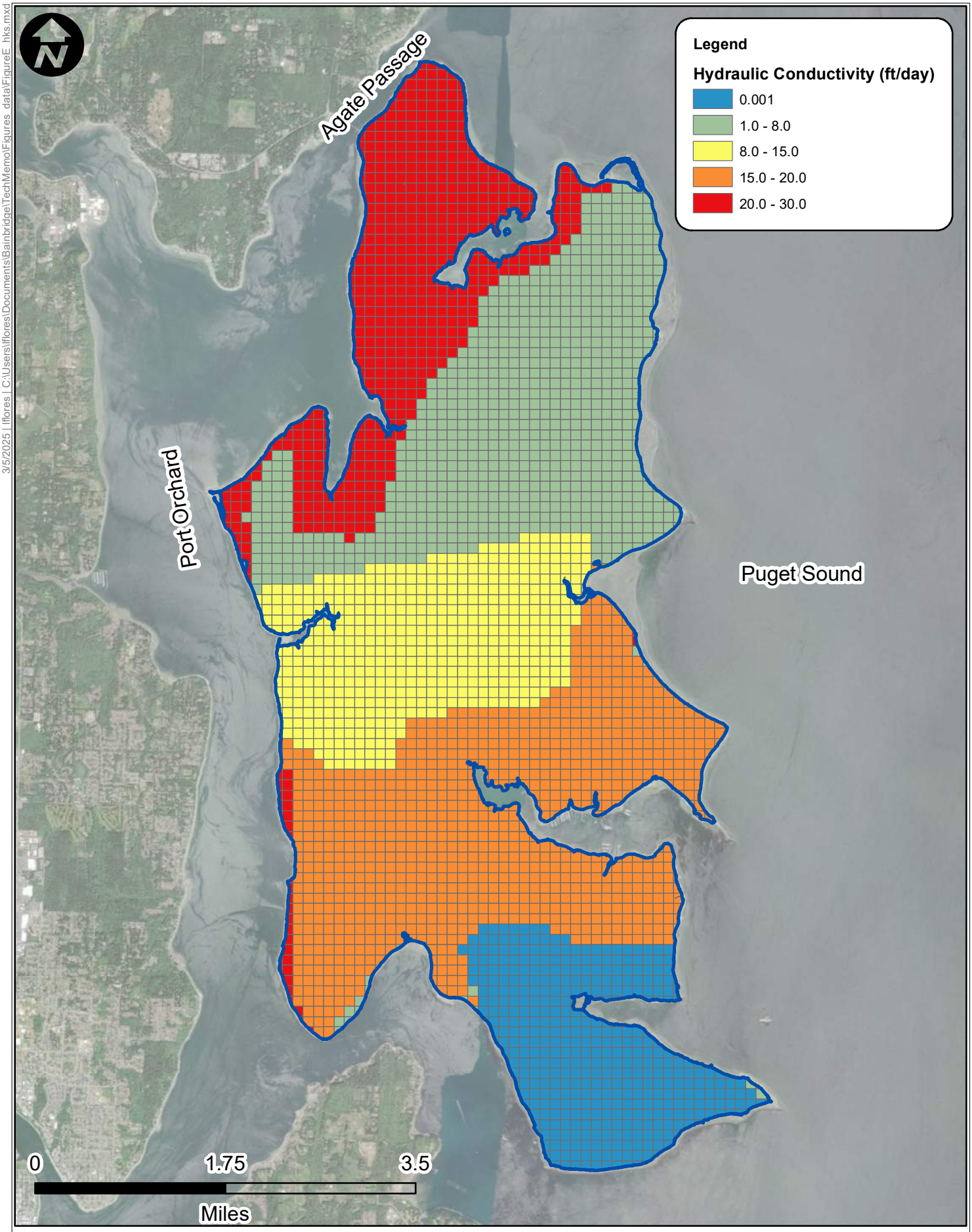
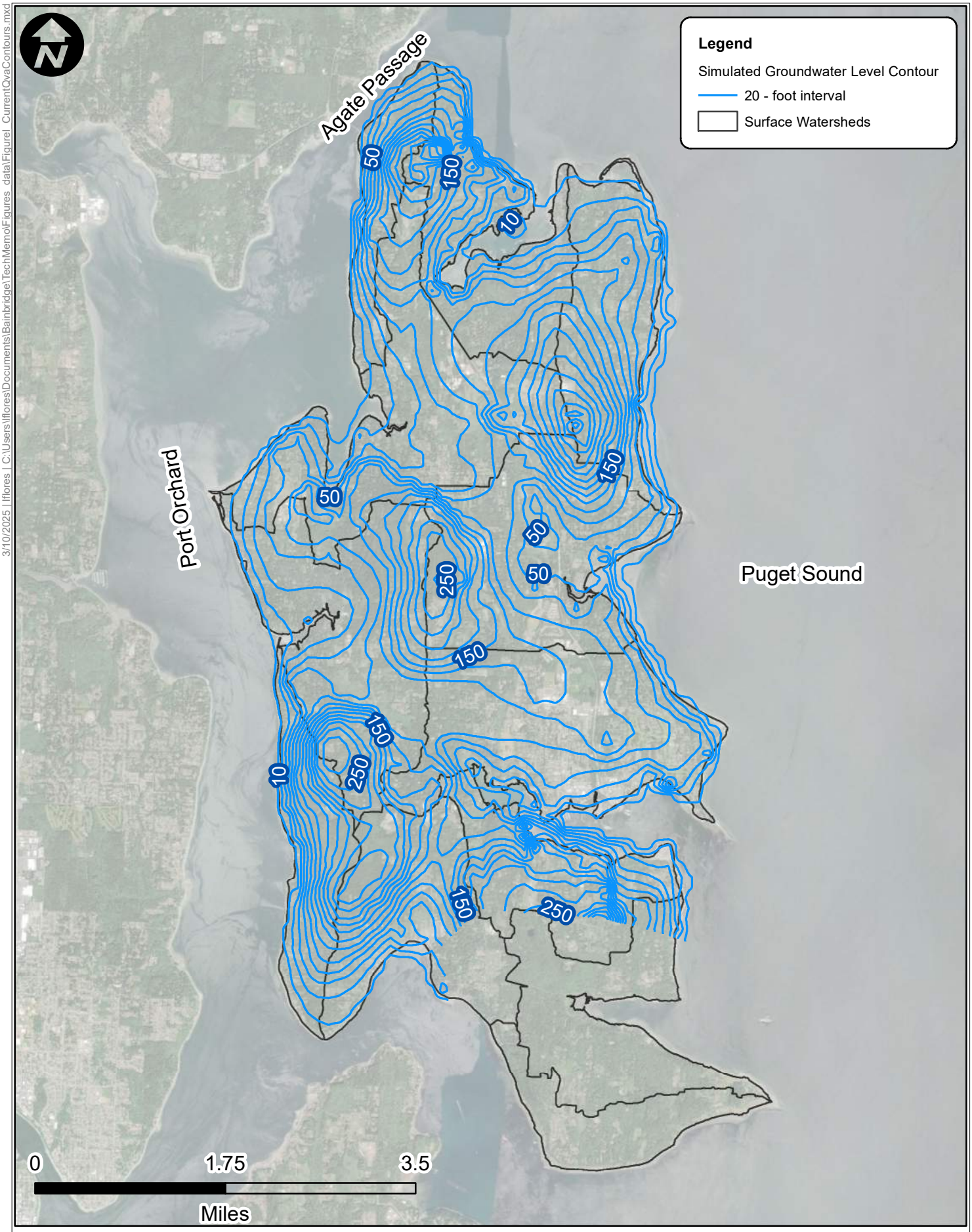


Model Assigned Hydraulic Conductivity (Layer 9 - Fletcher Bay Aquifer) **Figure 5-I**



Simulated Current Groundwater Levels in Qva

Figure 6

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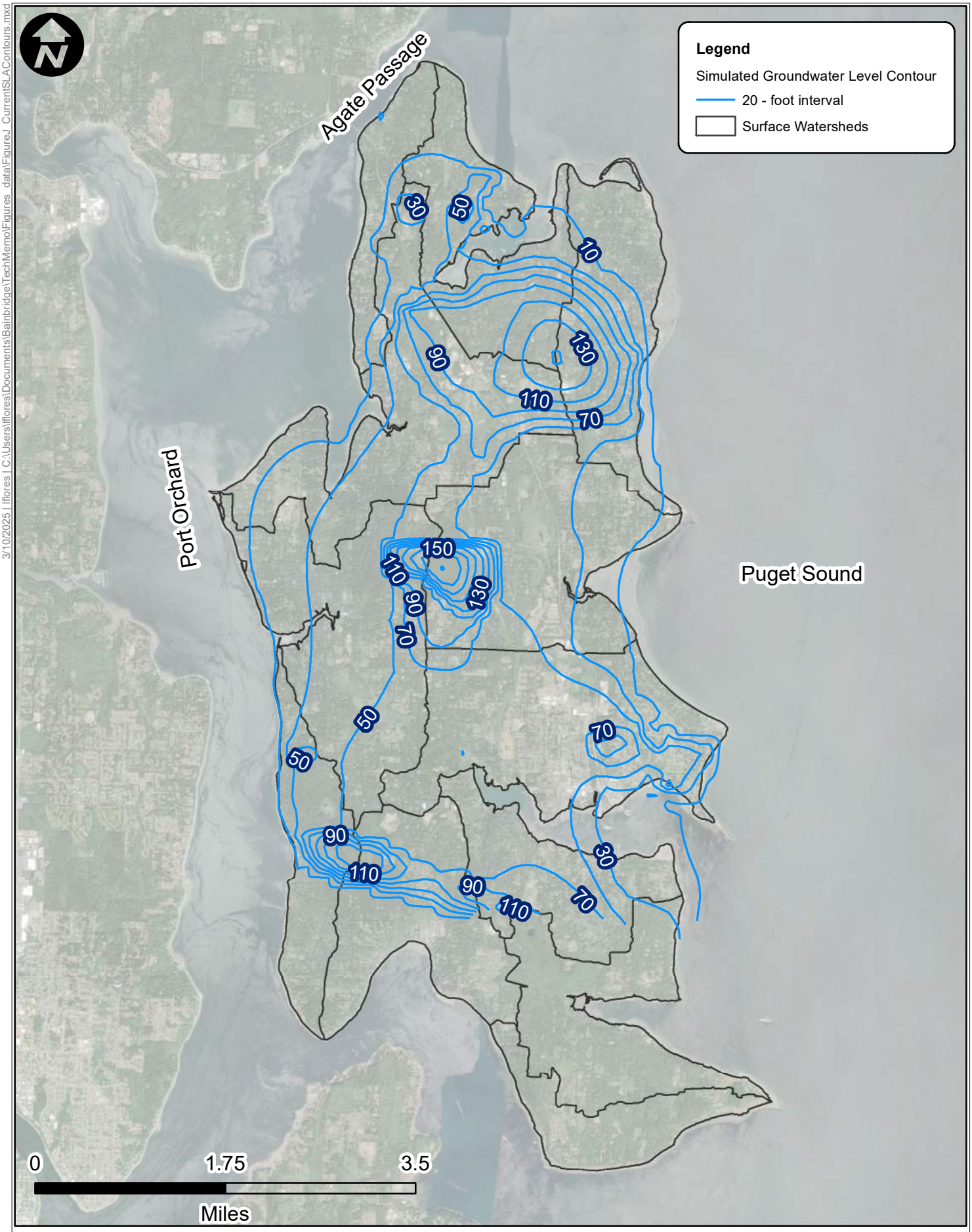

Simulated Current Groundwater Levels in SLA **Figure 7**

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Simulated Current Groundwater Levels in GMA **Figure 8**

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Simulated Current Groundwater Levels in FBA **Figure 9**

5. GROUNDWATER MODEL APPLICATION

Following the revisions to the groundwater model and updated calibration (Section 4), the **2025 EA model** was used as a tool to simulate planning scenarios of the time period 2022 to 2121. Multiple datasets were used to represent possible future climatic and population growth scenarios. Predictive models are developed to provide insights into how the groundwater system may behave based on a given set of hypothetical (but possible) conditions. That is to say, the scenarios evaluated as part of this effort are not predicted to occur with absolute certainty; they are evaluated to improve the understanding of how groundwater resources can be better protected and managed in the context of a changing and uncertain future.

In all of the predictive scenario runs, three variables were altered from their baseline or current value: groundwater recharge rates, groundwater pumping rates (and associated return flow rates), and sea level. Possible future changes to these three variables—and the methodologies, datasets, and/or sources used to evaluate these changes—are discussed in Section 5.1. Three different planning scenarios were simulated in this analysis and are characterized by different combinations of future groundwater recharge rates, pumping rates, and sea level rise. The three planning scenarios are described in Section 5.2. In addition, prior to simulating the planning scenarios, a sensitivity analysis was performed wherein one variable (groundwater recharge, pumping, sea levels) was altered from its nominal or baseline value while the other two variables were held to their baseline value to assess how the aquifer system on Bainbridge Island responded.

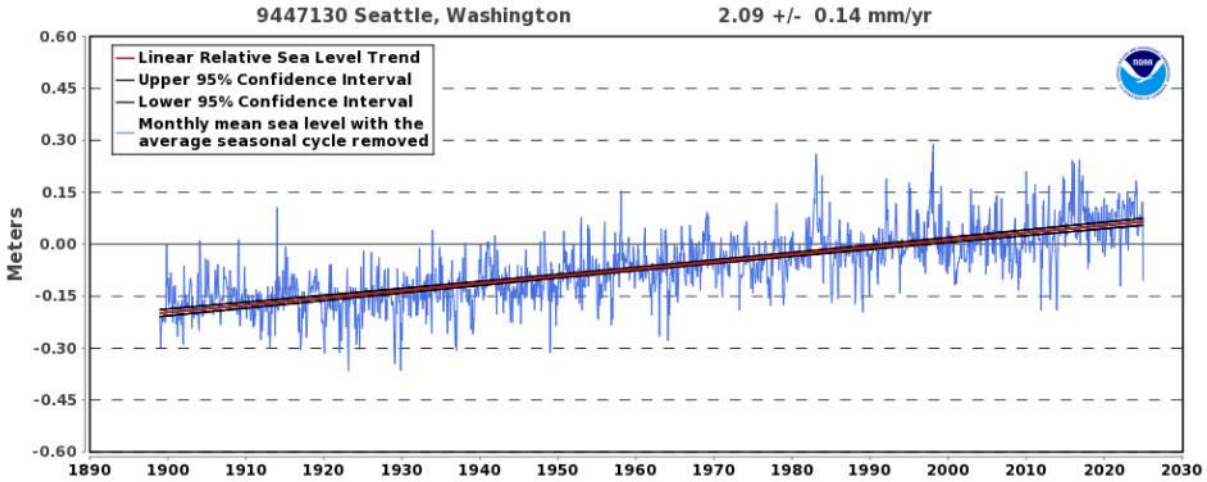
Note, climate change models were used for predictions on groundwater recharge and sea level rise. These models are based on a metric called *representative concentration pathways (RCPs)*. RCPs are possible trends of global greenhouse gas concentrations in the atmosphere, generally over the next 100 to 150 years. Briefly, RCP8.5 represents a rate of global carbon emissions that does not change from the current rate over time and therefore is often viewed as the "worst-case climate change scenario". Scenario RCP4.5 represents a global carbon emission trend that continues to rise logarithmically to the year 2045 at which points emissions then flatline and steadily decline. The RCP4.5 scenario is often seen as the most likely emission scenario due to many nations already implementing carbon emission regulations and the inherent fact that many carbon emitting energy sources are finite in abundance (Höök and Tang 2010). Vuuren et al. (2011) provides a detailed overview of RCPs, their physical representation, and climate models in general.

5.1 SCENARIO DESIGN

5.1.1 Sea Level Rise

Anthropogenic climate change has, and will continue to, result in increased sea levels around the world. Near Seattle sea levels have risen approximately 0.70 feet in the past 100 years (0.08 inches per year). **Figure 10** shows observed sea levels at National Oceanic and Atmospheric Administration (NOAA) Station 9447130. Sea levels dictate groundwater levels because they determine the groundwater level at which discharge to the sea occurs and where the freshwater-saltwater interface occurs.

Figure 10. Relative Sea Level Trend at NOAA Station 9447130 near Seattle, Washington



Source: https://tidesandcurrents.noaa.gov/sltrends/sltrends_station.shtml?id=9447130

To simulate possible future sea level conditions in Puget Sound an analysis performed by the University of Washington Climate Impacts Group (CIG) was used that predicts relative sea level rise (RSLR) to the nearest tenth of a foot for the next 150 years (Miller et.al. 2018). **Table 5** summarizes model predicted RSLR based on global emission scenarios RCP8.5 and RCP4.5. In each case, an associated probability of exceedance is provided which can be interpreted as the probability that a given RSLR will *at least* occur. For example, under the RCP8.5 scenario there is a 99% probability that there will be at least a 0.1-foot RSLR in 2050, a 0.2-foot RLSR in 2060, a 0.4-foot RSLR in 2080, etc. Similarly, there is only a 1% probability that there will be a 1.6-foot RLSR in 2050, a 2.1-foot RLSR in 2060, a 3.4-foot RLSR in 208, etc.

Table 5. Relative Sea Level Rise Exceedance Probability Projections by RCP

RSLR Projections (in feet)						
	Global Emission Scenario RCP8.5			Global Emission Scenario RCP4.5		
Year	1%	50%	99%	1%	50%	99%
2020	**0.5**	**0.2**	0.0	0.5	0.2	-0.1
2030	**0.8**	**0.4**	1.0	0.8	0.4	0.0
2040	**1.1**	**0.6**	1.0	1.1	0.6	0.0
2050	**1.6**	**0.8**	0.1	1.5	0.7	0.0
2060	**2.1**	**1.0**	0.2	2.0	0.9	0.1
2070	**2.7**	**1.3**	0.2	2.5	1.2	0.1
2080	**3.4**	**1.6**	0.3	3.1	1.4	0.1
2090	**4.2**	**1.9**	0.4	3.7	1.6	0.1
2100	**5.2**	**2.3**	0.5	4.5	1.8	0.2
2110	**5.8**	**2.4**	0.6	5.3	2.0	0.2
2120	**6.9**	**2.8**	0.7	6.1	2.3	0.2
2130	**8.0**	**3.1**	0.8	7.0	2.5	0.1
2140	**9.1**	**3.5**	0.9	8.0	2.7	0.0
2150	**10.4**	**3.8**	0.9	8.9	2.9	0.0

Based on consultation with COBI and stakeholders, it was decided to run groundwater modeling scenarios in which 1% and 50% exceedance probability of the RCP8.5 scenario were applied to sea levels (in bold in **Table 5**). That is, over 100 years (year 2121 in the model), RSLR is simulated to be 6.9 feet and 2.8 feet, respectively. Sea level was changed within the model according to **Table 5** over time and between decades the change was modeled to occur linearly. As discussed in Section 4.4, the groundwater model represents sea levels through a boundary condition referred to as the general head boundary conditions (*ghb* package within MODFLOW).

5.1.2 Groundwater Recharge

Groundwater recharge is the dominant source of external water for most aquifer systems. It follows that changes in long-term precipitation rates will have an impact on recharge. The relationship between precipitation and recharge is a complicated one and is dependent on many factors including soil and land use type, antecedent soil moisture, canopy coverage, evapotranspiration rates, and the intensity of storm events.

To estimate possible changes to groundwater recharge over time it is first necessary to obtain estimates of changes to precipitation over time. These data were obtained from CIG with the prediction applying to Bainbridge Island and the eastern half of the Kitsap Peninsula. **Tables 6 and 7** show expected total precipitation from October-March and April-September, respectively, for RCP8.5 and RCP4.5. Under both RCPs, total precipitation between October-March is expected to increase 9-13% between 1990 conditions and the year 2099. Under both RCPs, total precipitation between April and September is expected to decrease from 1990 baseline

conditions by approximately 5-6%. Given that more than 75% of precipitation occurs between October and March, it follows that on an annual scale that total precipitation is expected to increase between 6% and 9% over the next 80 years.

Table 6. Predicted Changes In Precipitation Between October And March (2010-2099)

	Total Precipitation (October through March)		
Condition	**Years**	**Depth (inches)**	**Change (inches)**
Historic	--	34.3	
RCP4.5	2010-2039	35.5	+1.1
RCP4.5	2040-2069	36.8	+2.5
RCP4.5	2070-2099	37.4	+3.1
RCP8.5	2010-2039	35.4	+1.0
RCP8.5	2040-2069	36.8	+2.4
RCP8.5	2070-2099	38.9	+4.6

Table 7. Predicted Changes In Precipitation Between April And September (2010-2099)

	Total Precipitation (April through September)		
Condition	**Years**	**Depth (inches)**	**Change (inches)**
Historic	--	10.1	
RCP4.5	2010-2039	10	-0.1
RCP4.5	2040-2069	9.8	-0.3
RCP4.5	2070-2099	9.6	-0.5
RCP8.5	2010-2039	9.9	-0.2
RCP8.5	2040-2069	9.8	-0.3
RCP8.5	2070-2099	9.5	-0.6

Despite these predictions, increased precipitation does not always correspond to increased groundwater recharge. When precipitation events are very intense (i.e., a large amount of precipitation over a very short period of time), a relatively greater portion of precipitation results in runoff (which flows to creeks, rivers, and the Sound) than recharge. This occurs when the rate of precipitation greatly exceeds the infiltration capacity of the soil. This is germane because many climate models have predicted that the occurrence of high intensity storms will increase in a warmer climate, including in western Washington (Miller et. al. 2018). Specifically, CIG predicts an average increase of three high-intensity storms per year, increasing from the current average of four storms per year to seven storms per year.

Despite a conceptual understanding of how precipitation, runoff, and infiltration relate, it is not a trivial exercise to quantitatively predict how groundwater recharge will change based on (a) increased expected precipitation over the next 100 years, and (b) the predicted number of high-intensity storms increasing over the next 100 years. Whereas prediction (a) would be expected to result in more groundwater recharge, prediction (b) suggests the potential for less groundwater recharge. Further complicating the matter is that the groundwater model used in this analysis

uses monthly stress periods. This means, individual storm events are not explicitly modeled, only total monthly precipitation.

Ultimately, there are not sufficient data to definitively quantify which portion of increased precipitation is sourced from high-intensity storms (conceptually leading to less potential for recharge) versus which portion is sourced from low- or medium-intensity storms (conceptually leading to more potential for recharge). As a result, it was conservatively decided that four different groundwater recharge scenarios would be evaluated to provide insight into how the aquifer systems respond to changes in recharge: 7.5% increase, 7.5% decrease, 15% decrease, and 20% decrease. These relative changes to recharge were based on the average monthly recharge rate from 2012 to 2021 already assigned in the **2023 Aspect model.** Changes to recharge were modeled to occur linearly on an annual basis (uniform increment of change each year totaling the scenario percent change) from 2022 to 2121.

5.1.3 Production Rate Growth

As part of an evaluation of how groundwater resources on Bainbridge Island are expected to change over the next 100 years, estimates of how groundwater production will change over this time frame had to be developed. Groundwater production is dependent on the need for water both by the residential population (residential use) and by services that support and cater to the residential population (nonresidential use). Nonresidential use includes, but is not limited to, commercial use, government use, industrial use, and irrigation of private and public lands. Total use is the sum of residential and nonresidential use.

As shown in **Figure 1**, the **2025 EA Model** domain covers all of Bainbridge Island and a large portion of the Kitsap Peninsula to the west, north, and south of the island. While the primary concern of the production growth rate scenarios was to estimate production increase for Bainbridge Island water users over the next 100 years, production increases for peninsula water users had to also be considered due to the interconnectivity of the aquifer system. Groundwater baseflow from the Kitsap Peninsula to Bainbridge Island can occur in the deeper GMA, and FBA as they are continuous hydrogeologic units under the Agate Passage, and Port Orchard Bay. For example, model simulated groundwater elevations under recent conditions are higher in the FBA under the Kitsap Peninsula than in the FBA under Bainbridge Island. This creates a groundwater flow gradient from west to east. If only Bainbridge Island production increases are simulated, drawdown in the FBA under the island will increase, increasing the gradient between the island and the peninsula and increasing the west to east groundwater flow. Therefore, if production rates in these aquifers are also modeled to increase off-island, then a more reasonable gradient between the peninsula and the island will be simulated. In addition, peninsula production in the shallower Qva and SLA intercept recharge that could otherwise migrate downward into the GMA and FBA systems, thus further reducing the volume of water available to flow towards on-island points of extraction. The following sections describe how production rate increases, for both Bainbridge Island and Kitsap Peninsula water users, were estimated and assigned in the model for the planning scenarios.

5.1.3.1 Bainbridge Island Production

Estimated Bainbridge Island production was based on projected island population growth. Population is connected to production using a consumption rate (gallons per day [gpd]) to equivalent residential unit (ERU) ratio, gpd/ERU. A single ERU represents a connection to a single-family residence which is generally assumed to represent 2.5 people. If the residential population of an area is known, it can be converted to ERUs by dividing by 2.5. If the average rate of consumption for single-family residences is known, then the gpd/ERU ratio for that population can be calculated. Once the gpd/ERU ratio is calculated, nonresidential use can be converted into a representative nonresidential population value by dividing the nonresidential use rate (gpd) by the gpd/ERU value, yielding an ERU value which is then multiplied by 2.5. All water systems in Kitsap County provide the most recent residential and nonresidential population values for their service area on the individual system webpage on the Washington State Department of Health (WADOH), Division of Environmental Health, Office of Drinking Water website (WADOH 2024).

In Washington State, water systems are divided into Group A and Group B systems. Group A water systems have 15 or more service connections or serve 25 or more people 60 or more days per year, while Group B water systems serve fewer than 15 connections and fewer than 25 people per day. Group A water systems are further divided into three types: community (COMM), transient non-community (TNC), and non-transient, non-community (NTNC). Compiled Group A and Group B water system data available on the WADOH, Division of Environmental Health, Office of Drinking Water website reveals that, at the time of this analysis, there are 33 active Group A and 146 active Group B water systems on Bainbridge Island servicing a residential population of 20,459 and a total service population (residential and nonresidential) of 28,914 with Group A water systems providing water to 95% of the total population. Of the 33 Group A water systems, 21 are of the community type, servicing 87% of the total service population.

Only Group A community systems provide both population data and historical production data via the WADOH, Division of Environmental Health, Office of Drinking Water website. Because of this, and because Group A community water systems service nearly all the service area population on Bainbridge Island, only Group A community water systems were considered in developing the 100-year production growth rate scenarios. For all remaining Group A water systems, and for all Group B water systems, the service population, and therefore the annual rate of production, was considered to remain unchanged from the 2021 production rates in the **2023 Aspect Model**.

For Group A community water systems, an individual water system total gpd/ERU ratio was calculated by one of two methods:

1. If historical water production and total ERU values have been provided by the water system – dividing the total water production rate for each year, converted to gallons per day (gpd) by dividing the total annual production (gallons) by the number of days in the year, by the annual total ERU value and then averaging the historical gpd/ERU ratios.

2. If historical data have not been provided by the water system – dividing the reported total volume of water produced for the most recent year by the number of days in that year (gpd) and dividing that rate by the most recent reported total service area population (residential plus nonresidential) divided by 2.5 (ERU).

The gpd/ERU ratio for three of the Bainbridge Island water systems—City of Bainbridge Island, North Bainbridge Water Company, and South Bainbridge—were calculated using method one. **Table 8** shows the total production and ERU growth rate, the gpd/ERU ratio, and the historical data from which each is calculated for these three water systems. The gpd/ERU ratio for the remaining 16 Group A community water systems were calculated using method two, and the data is shown in **Table 9**.

Table 8. Water System GPD/ERU Ratio Calculated From Historical Data

	NORTH BAINBRIDGE WATER CO		SOUTH BAINBRIDGE**		CITY OF BAINBRIDGE ISLAND*	
Year	Total Production (MGY)	ERU	Total Production (MGY)	ERU	Total Production (MGY)	ERU
2006	--	--	--	--	241.6	3,536
2007	--	--	--	--	234.6	3,733
2008	--	--	--	--	224.3	3,762
2009	134.0	1,735	--	--	233.2	3,772
2010	--	--	--	--	215.5	3,984
2011	--	--	--	--	216.7	4,003
2012	123.1	1,749	--	--	223.1	4,037
2013	128.4	1,761	--	--	213.8	4,037
2014	138.6	1,831	--	--	230.6	3,972
2015	145.5	1,854	--	--	246.7	4,164
2016	133.4	1,871	118.7	1,371	245.9	4,217
2017	140.7	1,883	150.3	1,619	252.6	4,309
2018	146.0	1,899	167.1	1,637	269.2	4,245
2019	138.0	1,922	160.1	1,645	266.1	4,505
2020	140.1	1,928	174.1	1,742	264.7	4,287
2021	163.9	1,941	187.0	1,762	282.3	4,218
2022	147.5	1,943	169.3	1,773	255.6	--
2023	149.1	1,948	186.0	1,777	--	--
Growth Rate	2.2	18	7.6	49	5.5	49
gpd/ERU	206		269		164	

Notes:
ERU data were received from KPUD via the City of Bainbridge Island
Production values were downloaded from WADOH, Division of Environmental Health Office of Drinking Water website
MGY = million gallons per year
* Production growth rate calculated from 2013-2022 data because from 2006-2013 production went down
** Production growth rate GPD/ERU calculated from 2017-2023 data because ERU value did not include Island Utility population prior to 2017
-- data not available at the time of analysis and therefore not included in the Growth Rate and/or gpd/ERU calculations.

Table 9. Water System GPD/ERU Ratio Calculated From Recent Population And Production Data

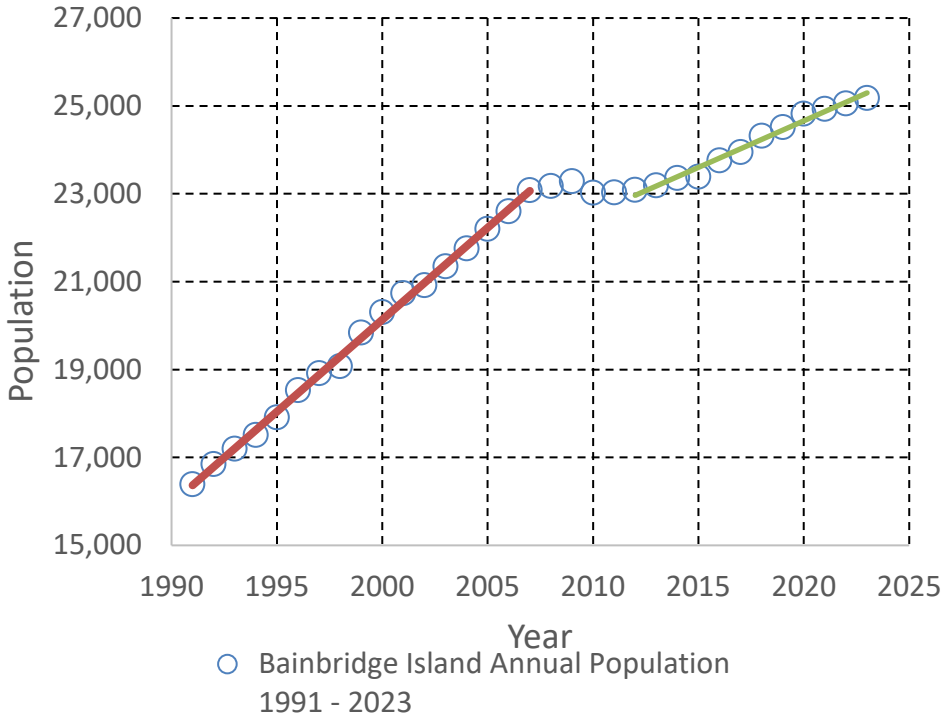
Water System	Residential Population	Total Population	ERU	Total Production (MGY)	Production Rate (gpd)	gpd/ERU Ratio
BUCKLIN	286	407	163	12.7	34,883	214
DERBY DOWNS	30	30	12	3.7	10,259	855
EMERALD HEIGHTS	250	251	100	7.3	20,003	199
FERNCLIFF	40	40	16	1.9	5,226	327
GRAHAM PLACE	34	34	14	1.4	3,845	283
HARBOR CREST	53	53	21	1.4	3,902	184
HIDDEN HEIGHTS	36	36	14	2.3	6,240	433
ISLANDWOOD ESTATES	40	40	16	2.6	7,076	442
MEADOWMEER	897	1137	455	30.2	82,640	182
PHELPS ROAD	58	58	23	1.3	3,635	157
PLACE EIGHTEEN HOA	32	34	14	0.7	1,842	135
PORT MADISON WATER COMPANY	233	233	93	11.1	30,471	327
RAVENS REACH	42	42	17	1.5	4,050	241
ROCKAWAY BEACH WATER	175	175	70	7.9	21,674	310
ROSE AVENUE WATER ASSOCIATION	53	53	21	2.0	5,426	256
WALDEN WATER	34	34	14	0.7	2,022	149

Notes:
Population and production values were downloaded from WADOH Division of Environmental Health Office of Drinking Water website

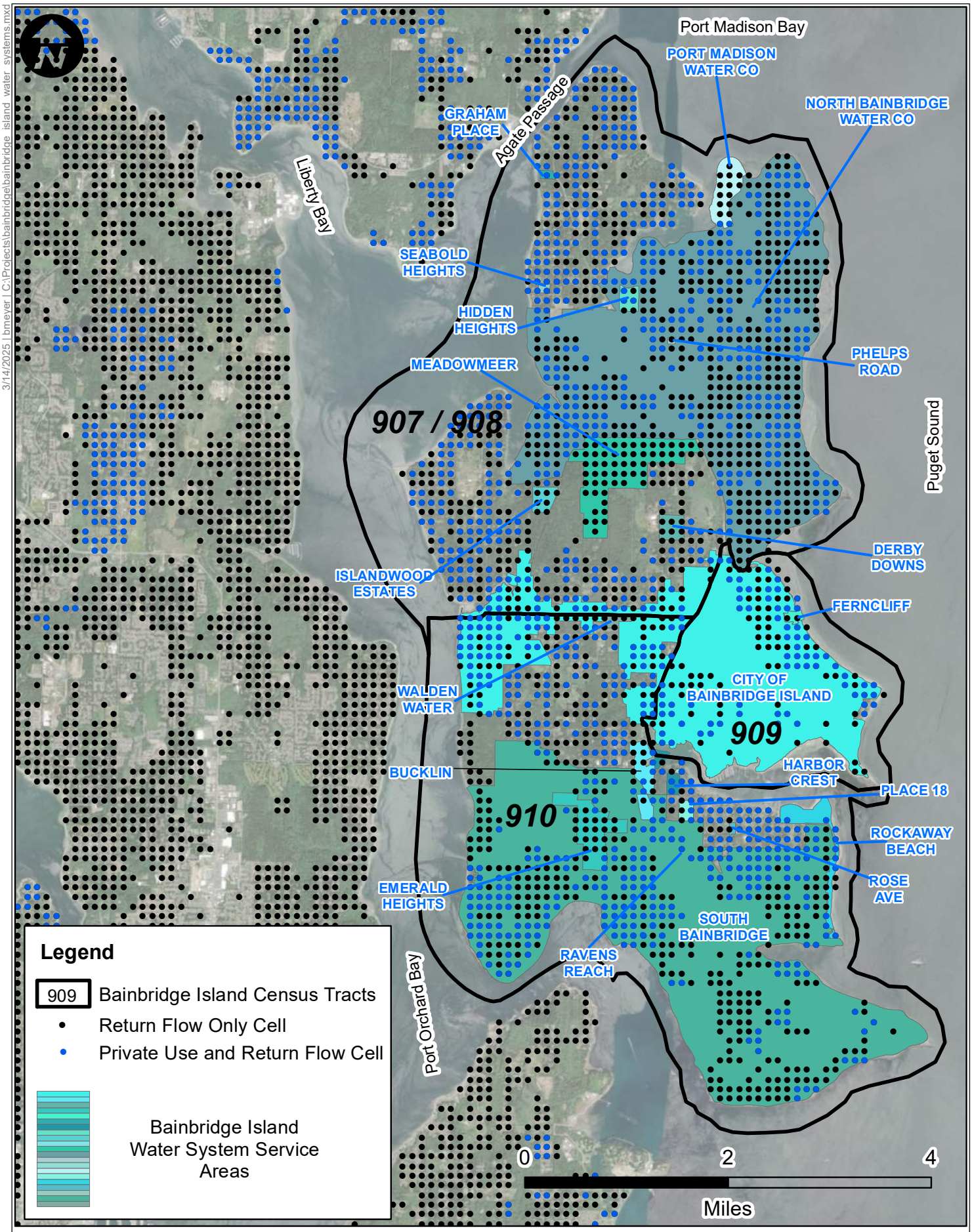
Once the gpd/ERU ratio for each water system has been defined, 100-year population-based production estimates can be calculated. The 100-year production growth scenarios are based on annual postcensal estimates and decennial census counts for Bainbridge Island obtained from the Washington State Office of Financial Management, Forecasting and Research Division. **Figure 11** shows a plot of Bainbridge Island population over a 33-year period, from 1991 to 2023. The plot shows that, during this time frame, Bainbridge Island has experienced three distinct population growth periods, a relatively high growth rate from 1991 to 2007, followed by a 5-year period of relatively no growth, followed by a second period of lower population growth from 2012 to 2023. Based on this data, it was decided to develop three population based 100-year production scenarios; 1) a high production growth scenario based on the 1991 to 2007 population, 2) a low production growth scenario based on the 2012 to 2023 population data, and 3) a median production growth scenario that equally splits the high and low growth rates. A linear regression of the 1991 to 2007 and the 2012 to 2023 population data results in a high population growth rate of 419 people per year and a low population growth rate of 212 people per year, respectively. These rates yield a median population growth rate of 315 people per year.

Population is not uniformly distributed across Bainbridge Island. Population density is highest in the Winslow and Eagle Harbor areas in the central part of the island and becomes less dense moving towards the north and the south. Estimates of total annual population for census tracts, obtained from the Washington State Office of Financial Management, Small Area Estimate Program, were used to define the distribution of population growth across the island. Bainbridge Island is divided into four census tracts, 907, 908, 909, and 910. Tracts 907 and 908 cover the northern half of the island and are grouped together for this analysis, tract 909 covers most of the Winslow area, and tract 910 covers the southern half of the island (**Figure 12**). **Figure 13** shows a plot of the estimated annual population for each tract from 2000 to 2023. Linear regression of the population data from each tract provides a growth rate of 27 people per year, 111 people per year, and 59 people per year, for tracts 907/908, 909, and 910, respectively. The total population growth rate for the island over this time frame is 197 people per year, meaning that on average tracts 907/908, 909, and 910, account for 14%, 56%, and 30% of the total Bainbridge Island population growth, respectively. These percentages are used to estimate the population growth rate in each tract from the high, median, and low total island growth rates defined above. Note that the 2000 to 2023 growth rate is lower than the 1991 to 2023 median growth rate (315 people per year) because it does not include the high population growth observed from 1991 to 2000.

Figure 11. Bainbridge Island Annual Population 1991 – 2023

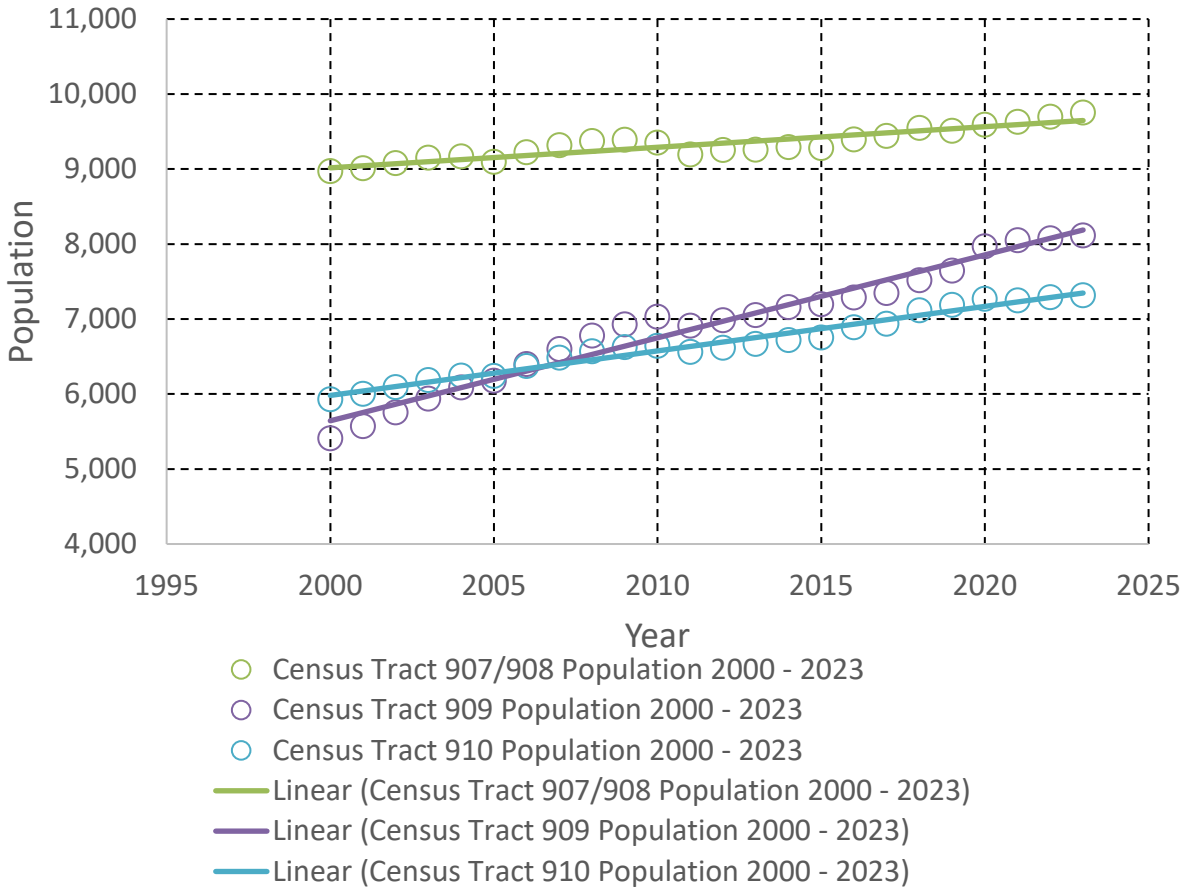


Defining a population-based production growth rate requires that the population growth in each water system service area be defined. Therefore, each of the 19 Group A community water systems identified as production growth systems above were assigned to a census tract based on their location and service area. **Figure 12** shows the location and extent of each Group A community water system on Bainbridge Island in relationship to the census tract boundaries. Nine water systems are contained within the 907/908 tract, nine are contained within the 910 tract, and one is contained within the 909 tract. The majority of the City of Bainbridge Island water system service area is within the 909 tract and is considered to be represented by tract 909 derived population growth.



Production Growth Rate Scenario Key Features Basemap **Figure 12**

Figure 13. Bainbridge Island Annual Census Tract Population 2000 – 2023



Once each water system had been assigned to a census tract, the estimated population growth for that tract had to be distributed to each of the water systems and to private users within each tract. Through discussions with the City of Bainbridge Island, it was decided to assign 5% of the total estimated growth rate for each growth scenario to private users, meaning that the private user population growth rate is 11 people per year, 16 people per year, and 21 people per year for the low, median, and high growth scenarios, respectively. Spatial cross-referencing of tax parcel zoning information with the census tracts revealed that 48%, 17%, and 35% of the low to medium density population (zoning codes R-0.4, R-1, R-2, R-2.9, and R-3.5) were contained within tracts 907/908, 909, and 910, respectively. These percentages were assumed to represent the distribution of private users across the island and were used to define the private user population growth rate in each census tract.

After private user growth has been accounted for, the small Group A community water systems (residential population less than 1,000) were assigned a growth rate using the following process; 1) water systems with a residential population less than 250 were assumed to have a growth rate of less than one person per year due to the assumption of limited opportunity to expand the resident count, 2) water systems with a residential population between 250 and 499 were assumed to have a growth rate of 1 person per year, and 3) water systems with a residential

population between 500 and 999 were assumed to have a growth rate of 2 people per year. After both private user and small community water systems were assigned a growth rate, the remainder of the census tract growth rate estimate was assigned to water systems with residential populations greater than 1,000 people. **Tables 10, 11, and 12** show the annual residential population growth rate assigned to private users and each Bainbridge Island community water system and the relationship with census tract and island-wide residential population growth rate estimates for each of the three production growth rate scenarios.

Table 10. Bainbridge Island Water Systems Estimated Annual Population Growth: Low-Rate Scenario

Census Tract	Water System Name	Annual Population Growth Rate (person per year)			
		Bainbridge Island	Census Tract	Water System Residential	Water System Total
907 / 908	DERBY DOWNS	212	29	<1	<1
	Fieldstone Memory Care Bainbridge			<1	<1
	GRAHAM PLACE			<1	<1
	HIDDEN HEIGHTS			<1	<1
	ISLANDWOOD ESTATES			<1	<1
	MEADOWMEER			2	2
	NORTH BAINBRIDGE WATER CO			22	29
	PHELPS ROAD			<1	<1
	PORT MADISON WATER COMPANY			<1	<1
	SEABOLD HEIGHTS			<1	<1
	Private Users			5	5
909	BAINBRIDGE ISLAND CITY OF		119	117	172
	FERNCLIFF			<1	<1
	Private Users			2	2
910	BUCKLIN		64	1	1
	EMERALD HEIGHTS			<1	<1
	HARBOR CREST			<1	<1
	PLACE EIGHTEEN HOA			<1	<1
	RAVENS REACH			<1	<1
	ROCKAWAY BEACH WATER			<1	<1
	ROSE AVENUE WATER ASSOCIATION			<1	<1
	SOUTH BAINBRIDGE			59	76
	WALDEN WATER			<1	<1
	Private Users			4	4
Total Annual Island Growth Rate		212	212	212	291

Table 11. Bainbridge Island Water Systems Estimated Annual Population Growth: Median-Rate Scenario

Census Tract	Water System Name	Annual Population Growth Rate			
		Bainbridge Island	Census Tract	Water System Residential	Water System Total
907 / 908	DERBY DOWNS	315	44	<1	<1
	Fieldstone Memory Care Bainbridge			<1	<1
	GRAHAM PLACE			<1	<1
	HIDDEN HEIGHTS			<1	<1
	ISLANDWOOD ESTATES			<1	<1
	MEADOWMEER			2	2
	NORTH BAINBRIDGE WATER CO			34	45
	PHELPS ROAD			<1	<1
	PORT MADISON WATER COMPANY			<1	<1
	SEABOLD HEIGHTS			<1	<1
	Private Users			8	8
909	BAINBRIDGE ISLAND CITY OF		176	173	260
	FERNCLIFF			<1	<1
	Private Users			3	3
910	BUCKLIN		95	1	1
	EMERALD HEIGHTS			<1	<1
	HARBOR CREST			<1	<1
	PLACE EIGHTEEN HOA			<1	<1
	RAVENS REACH			<1	<1
	ROCKAWAY BEACH WATER			<1	<1
	ROSE AVENUE WATER ASSOCIATION			<1	<1
	SOUTH BAINBRIDGE			88	112
	WALDEN WATER			<1	<1
	Private Users			6	6
Total Annual Island Growth Rate		315	315	315	437

Table 12. Bainbridge Island Water Systems Estimated Annual Population Growth: High-Rate Scenario

Census Tract	Water System Name	Annual Population Growth Rate			
		Bainbridge Island	Census Tract	Water System Residential	Water System Total
907 / 908	DERBY DOWNS	419	58	<1	<1
	Fieldstone Memory Care Bainbridge			<1	<1
	GRAHAM PLACE			<1	<1
	HIDDEN HEIGHTS			<1	<1
	ISLANDWOOD ESTATES			<1	<1
	MEADOWMEER			2	2
	NORTH BAINBRIDGE WATER CO			46	58
	PHELPS ROAD			<1	<1
	PORT MADISON WATER COMPANY			<1	<1
	SEABOLD HEIGHTS			<1	<1
	Private Users			10	10
909	BAINBRIDGE ISLAND CITY OF		235	Year 1-20:361 Year 21-100: 214	Year 1-20:576 Year 21-100: 342
	FERNCLIFF			<1	<1
	Private Users			4	4
910	BUCKLIN		126	1	1
	EMERALD HEIGHTS			<1	<1
	HARBOR CREST			<1	<1
	PLACE EIGHTEEN HOA			<1	<1
	RAVENS REACH			<1	<1
	ROCKAWAY BEACH WATER			<1	<1
	ROSE AVENUE WATER ASSOCIATION			<1	<1
	SOUTH BAINBRIDGE			118	149
	WALDEN WATER			<1	<1
	Private Users			7	7

Census Tract	Water System Name	Annual Population Growth Rate			
		Bainbridge Island	Census Tract	Water System Residential	Water System Total
Total Annual Island Growth Rate		419	419	Year 1-20: 550 Year 21-100: 403	Year 1-20: 807 Year 21-100: 573

There are two residential and total population growth rates for the City of Banbridge Island water system in the high 100-year production growth rate scenario (**Table 12**). For this scenario, the City provided a residential growth rate of 316 people per year for the first 20 years, followed by 214 people per year for the last 80 years. This averages out to 243 people per year over 100 years, which is greater than the high growth rate estimated for the census tract. **Figures A1** and **A2** in **Appendix A** show the estimated annual growth rates for Bainbridge Island residential and nonresidential populations, respectively, for each scenario.

Table 13 shows the residential population for each Bainbridge Island Group A community water system, all other Group A and all Group B water systems, and all private users in Year-1 (same for all scenarios) and Year-100 of each production rate growth scenario based on the estimated population growth rates shown in **Tables 10, 11, and 12**. **Table 13** also shows that Bainbridge Island is estimated to increase by factors of 1.8X, 2.2X, and 2.7X over the next 100 years in the Low-Rate, Median-Rate, and High-Rate production scenarios, respectively. **Figure A3** in **Appendix A** shows the estimated annual growth rate for Bainbridge Island use population for each scenario.

Table 13. Bainbridge Island Residential Population Estimates for each Production Rate Scenario

Water System Name	Year 1 Island Population	Year-100 Residential Population per Scenario			Percent Increase per Scenario		
		Low Rate Scenario	Median Rate Scenario	High Rate Scenario	Low Rate Scenario	Median Rate Scenario	High Rate Scenario
DERBY DOWNS	30	35	35	35	17%	17%	17%
Fieldstone Memory Care Bainbridge	96	96	96	96	0%	0%	0%
GRAHAM PLACE	34	40	40	40	18%	18%	18%
HIDDEN HEIGHTS	40	47	47	47	18%	18%	18%
ISLANDWOOD ESTATES	40	47	47	47	18%	18%	18%
MEADOWMEER	897	1,063	1,063	1,063	19%	19%	19%
NORTH BAINBRIDGE WATER CO	4,770	6,938	8,114	9,290	45%	70%	95%
PHELPS ROAD	58	68	68	68	17%	17%	17%
PORT MADISON	233	273	273	273	17%	17%	17%

Water System Name	Year 1 Island Population	Year-100 Residential Population per Scenario			Percent Increase per Scenario		
		Low Rate Scenario	Median Rate Scenario	High Rate Scenario	Low Rate Scenario	Median Rate Scenario	High Rate Scenario
WATER COMPANY							
SEABOLD HEIGHTS	36	36	36	36	0%	0%	0%
BAINBRIDGE ISLAND CITY OF	7,787	19,321	24,941	31,766	148%	220%	308%
FERNCLIFF	40	47	47	47	18%	18%	18%
BUCKLIN	286	348	348	348	22%	22%	22%
EMERALD HEIGHTS	250	293	293	293	17%	17%	17%
HARBOR CREST	53	61	61	61	15%	15%	15%
PLACE EIGHTEEN HOA	32	32	32	32	0%	0%	0%
RAVENS REACH	42	49	49	49	17%	17%	17%
ROCKAWAY BEACH WATER	175	205	205	205	17%	17%	17%
ROSE AVENUE WATER ASSOCIATION	53	62	62	62	17%	17%	17%
SOUTH BAINBRIDGE	3,973	9,765	12,685	15,655	146%	219%	294%
WALDEN WATER	34	40	40	40	18%	18%	18%
Group A Non-Community	25	29	29	29	16%	16%	16%
Group B	1,479	1,479	1,479	1,479	0%	0%	0%
Census Tract 707/708 Private Use	2,299	2,821	3,059	3,297	23%	33%	43%
Census Tract 709 Private Use	814	999	1,083	1,168	23%	33%	43%
Census Tract 710 Private Use	1,676	2,057	2,231	2,404	23%	33%	43%
Totals	25,252	46,215	56,436	67,929	83%	123%	169%

As described earlier in the section, groundwater production is dependent on both residential and nonresidential use. Nonresidential population growth was calculated as a function of residential population growth for the three community water systems servicing a significant nonresidential population, North Bainbridge Water Company, City of Bainbridge Island, and South Bainbridge. The City of Bainbridge Island consumption by customer class data for 2006 through 2015 (COBI 2017) suggested that total consumption for the water system could range from 1.5 to 1.6 times residential consumption. Therefore, total population to residential population ratios of 1.5, 1.5, and 1.6 were applied to calculate the total population growth rate for the City of Bainbridge Island water system for the low, median, and high growth scenarios, respectively. Similar data

was not available for North Bainbridge Water Company and South Bainbridge, but based on tax parcel zoning types it was assumed that nonresidential water use represented a lower percentage of total production in these two water systems. Therefore, a lower total population to residential population ratio of 1.3 was applied to calculate the total population growth rate for both water systems for all three growth scenarios. The total service population growth rate (residential plus nonresidential) for each water system is provided in **Tables 10, 11, and 12**.

The annual total service population growth rate for each Group A community water system is converted to an annual total production growth rate using the gpd/ERU ratio for each water system shown in **Tables 8 and 9**. For all other Group A and all Group B water systems, a gpd/ERU ratio was calculated using the most recent annual production rate provided in the base groundwater flow model (gpd) and the current total reported service population for the system divided by 2.5 (ERU). A gpd/ERU ratio was calculated for all water systems, even if they were assumed to have no population growth, because in addition to increasing production based on population growth, production was also increased based on an estimated increase in the gpd/ERU ratio. Through discussions with the City of Bainbridge Island, it was decided that reduced recharge due to climate change induced temperature increases and extended growing seasons over the next 100 years could result in an increase in the amount of water each residence or commercial connection uses. In discussions with COBI, the estimate of a 7% increase in the gpd/ERU ratio over 100 years was determined to be representative of this possibility and therefore the Year-1 gpd/ERU value was increased by 0.07% each year of the 100-year production growth scenarios. **Table 14** lists the population-based production rate estimates in Year-1 and Year-100 for Bainbridge Island Group A water systems, Group B water systems, and private users for all three production growth rate scenarios. With respect to Bainbridge Island as a whole, extraction increases by factors of 2.2X, 2.7X, and 3.3X over 100 years in the Low-Rate, Median-Rate, and High-Rate scenarios, respectively. These increases are greater than the estimated residential population increase because production is based on both residential and nonresidential population and because of the assumed gpd/ERU ratio increase. The estimated annual increase in Bainbridge Island production for each scenario is shown in **Figure A4** in **Appendix A**.

Table 14. Bainbridge Island Groundwater Production Estimates for each Production Rate Scenario

Water System Name	Year 1 Island Production (MGY)	Year-100 Production (MGY) per Scenario			Percent Increase per Scenario		
		Low Rate Scenario	Median Rate Scenario	High Rate Scenario	Low Rate Scenario	Median Rate Scenario	High Rate Scenario
DERBY DOWNS	3.7	4.7	4.7	4.7	25%	25%	25%
Fieldstone Memory Care Bainbridge	2.5	2.6	2.6	2.6	7%	7%	7%
GRAHAM PLACE	1.4	1.8	1.8	1.8	25%	25%	25%
HIDDEN HEIGHTS	2.3	2.9	2.9	2.9	26%	26%	26%
ISLANDWOOD ESTATES	2.6	3.3	3.3	3.3	26%	26%	26%
MEADOWMEER	30.2	38.2	38.2	38.2	27%	27%	27%

Water System Name	Year 1 Island Production (MGY)	Year-100 Production (MGY) per Scenario			Percent Increase per Scenario		
		Low Rate Scenario	Median Rate Scenario	High Rate Scenario	Low Rate Scenario	Median Rate Scenario	High Rate Scenario
NORTH BAINBRIDGE WATER CO	147.5	237.0	282.0	317.4	61%	91%	115%
PHELPS ROAD	1.3	1.7	1.7	1.7	26%	26%	26%
PORT MADISON WATER COMPANY	11.1	13.9	13.9	13.9	25%	25%	25%
SEABOLD HEIGHTS	1.2	1.3	1.3	1.3	7%	7%	7%
BAINBRIDGE ISLAND CITY OF	255.6	747.7	967.1	1,284.1	193%	278%	402%
FERNCLIFF	1.9	2.4	2.4	2.4	26%	26%	26%
BUCKLIN	12.8	16.6	16.6	16.6	30%	30%	30%
EMERALD HEIGHTS	7.3	9.2	9.2	9.2	25%	25%	25%
HARBOR CREST	1.4	1.8	1.8	1.8	23%	23%	23%
PLACE EIGHTEEN HOA	0.7	0.7	0.7	0.7	7%	7%	7%
RAVENS REACH	1.7	1.8	1.8	1.8	7%	7%	7%
ROCKAWAY BEACH WATER	7.9	9.9	9.9	9.9	25%	25%	25%
ROSE AVENUE WATER ASSOCIATION	2.0	2.5	2.5	2.5	25%	25%	25%
SOUTH BAINBRIDGE	169.3	498.2	649.7	801.2	194%	284%	373%
WALDEN WATER	0.7	0.9	0.9	0.9	26%	26%	26%
Group A Non-Community	4.3	4.6	4.6	4.6	7%	7%	7%
Group B	36.6	39.2	39.2	39.2	7%	7%	7%
Census Tract 707/708 Private Use	66.5	87.4	94.7	102.1	31%	42%	53%
Census Tract 709 Private Use	23.6	30.9	33.5	36.2	31%	42%	53%
Census Tract 710 Private Use	48.5	63.7	69.1	74.4	31%	42%	53%
Totals	845	1,825	2,256	2,775	116%	167%	229%

The transient 100-year production growth rate scenarios simulate monthly production conditions over 100 years (1,200 timesteps). Therefore, the annual production value calculated for each water system must be distributed monthly each year. However, water use throughout the year is not uniform, with higher usage rates usually occurring in the warmer months. Monthly production can also vary due to each water system's storage capacity. For each 100-year production scenario the monthly production rate is calculated based on an average monthly usage percentage calculated through two methods:

1. If historical monthly production data is available for the water system, the total usage volume for each individual month, over the time period of the dataset, is summed, as is the total usage volume for the dataset time period. Then each month is assigned a percentage of the total, which is used to distribute annual production monthly in the 100-year scenarios.

2. If historical monthly production data was not available, the monthly percentages assigned in the **2023 Aspect Model** for each water system were used to distribute annual production monthly in the 100-year scenarios.

Finally, once the monthly production values are calculated for each water system, production must be distributed over the water system's well network. A review of historical well production values showed that production from individual wells is highly variable, being dependent on several seasonal, climate, and infrastructure factors. Therefore, to simplify scenario development, annual production volumes were distributed to wells based on reported well capacity. The Individual System web page on the WADOH, Division of Environmental Health, Office of Drinking Water website provides a link to each water systems well inventory report. This report lists all the wells currently in the water system's well network and identifies their status as active, inactive, or decommissioned and their use as permanent, seasonal, or emergency. Wells assigned a percentage of the monthly production are reported as active and permanent or pre-active meaning that there is a plan to develop the well and that it is expected to come on-line within the next 100-years.

For all Group A and Group B island water systems, except North Bainbridge Water Company and the City of Bainbridge Island, the monthly distribution of production is held constant in each 100-year production growth scenario. **Table 15** lists the active, permanent wells for each of the Group A community water systems with a constant monthly distribution, each well's reported capacity, the system's capacity, and the percentage of production distribution applied to each well in the production growth rate scenarios.

Table 15. Group A Community Water System Wells and System Capacity

Water System	System Well Name and Tag ID Number	System Capacity (gpm)	Well Capacity (gpm)	Production Distribution (% of total)
BUCKLIN	Well #2 AES320	106	106	100%
DERBY DOWNS	DERBY DOWNS #1 ABP966	96	60	63%
	DERBY DOWNS #2 / ABP985		36	38%
EMERALD HEIGHTS	WELL A WW AAC777	122	12	10%
	WELL B WW AAC778		30	25%
	WELL C WW AAC779		35	29%
	WELL D WW AEN678		45	37%
FERNCLIFF	WELL #1 AES132	10	10	100%
Fieldstone Memory Care Bainbridge	WELL #1 AAC053	25	25	100%
GRAHAM PLACE	WELL #1 AAC462	17	17	100%
HARBOR CREST	WELL #1 ACD357 HC	47	47	100%

Water System	System Well Name and Tag ID Number	System Capacity (gpm)	Well Capacity (gpm)	Production Distribution (% of total)
HIDDEN HEIGHTS	WELL #1 HH West AAC782	45	23	50%
	WELL #2 HH East AAC783		23	50%
ISLANDWOOD ESTATES	WELL #1 AAC026	104	68	65%
	WELL #2 AAC025		36	35%
MEADOWMEER	WELL #2 AAC448	332	162	49%
	WELL #5 AKR023		170	51%
PHELPS ROAD	WELL #2 AAC013 PHELPS RD	17	17	100%
PLACE EIGHTEEN HOA	WELL #1 AAC761	30	30	100%
PORT MADISON WATER COMPANY	WELL #1 AES318	133	50	38%
	WELL #4 AEA544		83	62%
RAVENS REACH	Well #1 AAC020	20	20	100%
ROCKAWAY BEACH WATER	WELL #1 AAC879 Taylor Well	70	70	100%
ROSE AVENUE WATER ASSOCIATION	WELL #2 ACP291	20	20	100%
SEABOLD HEIGHTS	WELL #1 AEK741	45	40	89%
	WELL #2 AAC795		5	11%
WALDEN WATER	Well #1 AAC653	50	50	100%

Notes:
Data from Individual System webpages on the WADOH, Division of Environmental Health, Office of Drinking Water website

For the North Bainbridge Water Company water system, the monthly well distribution had to be modified to handle the higher estimated production rates. This is because as the annual production rate increased, production during the months with the highest usage rates exceeded the capacity of the water system. Therefore, as the production growth rate increased between scenarios, wells with remaining capacity under the initial monthly distribution had to be given more of the total water system production. **Table 16** lists the wells in the North Bainbridge Water Company network, the individual well and system capacity, and the well distribution percentages for each scenario.

Table 16. North Bainbridge Water Company Water System Wells and System Capacity

System Well Name and Tag ID Number	Model Well ID	System Capacity (gpm)	Well Capacity (gpm)	Production Growth Rate Scenario Distribution %		
				Low	Median	high
WELL #3 AEK853 MANZANITA	North Bainbridge Well 03	1,260	120	12%	11%	10%
WELL #6 AAA113 LOVEGREN	North Bainbridge Well 06		120	10%	11%	10%
WELL #7 AEK852	North Bainbridge Well 07		200	23%	19%	17%

WELL #9 AAB455	North Bainbridge Well 09		700	51%	52%	56%
WELL #10 AAC110 Madison	North Bainbridge Well 10		120	4%	7%	7%

Notes:
Data from Individual System webpages on the WADOH, Division of Environmental Health, Office of Drinking Water website

For the South Bainbridge water system, the well/water system capacity had to be modified to handle the higher estimated production rate requirements. **Table 17** lists wells in the South Bainbridge network, the reported individual well and system capacity, the increased well and system capacity assigned in each of the production growth scenarios, and the well distribution percentages for each scenario.

Table 17. South Bainbridge Water System Wells and System Capacity

System Well Name and Tag ID Number	Model Well ID	Reported System Capacity (gpm)	Reported Well Capacity (gpm)	Scenario System Capacity (gpm)	Scenario Well Capacity (gpm)	Scenario Production Distribution (% of total)
IU WELL #1 AAA109	Island Utilities Well 1	1,253	70	1,863	200	11%
IU WELL #2 AAC113	Island Utilities Well 2		115		250	13%
IU WELL #3 AAS286	Island Utilities Well 3		125		250	13%
Well #10 BKY882	South Bainbridge Well 10		270		270	14%
LYNWOOD #7 ACK364	South Bainbridge WS Well 7		280		300	16%
WELL #8 ACW030	South Bainbridge WS Well 8		300		300	16%
Well #9 APP319	South Bainbridge WS Well 9		50		50	3%
pre-active	Deep Path		0		200	11%
WELL #3 WW AAA238	Bill Point #3		20		20	1%
WELL #4 WW AES348	Bill Point #4		23		23	1%

Notes:
Data from Individual System webpages on the WADOH, Division of Environmental Health, Office of Drinking Water website

For the City of Bainbridge Island water system, both the monthly well distribution and the well/water system capacity had to be modified to handle the higher estimated production rate requirements. **Table 18** lists wells in the City of Bainbridge Island network, the individual well and system capacity, and the well distribution percentages for each scenario. For the median production rate increase scenario, only the well percentages had to be modified. However, for the high production rate increase scenario, the system's capacity needed to be increased to meet peak monthly demand. Therefore, the system's existing wells were assumed to be modified with higher capacity pumps to meet the production requirements, focusing the largest increases on wells completed in the deeper aquifers (GMA and FBA) and on wells with the largest diameters.

Table 18. The City of Bainbridge Island Water System Wells and System Capacity

System Well Name and Tag ID Number	Model Well ID	Low Rate Scenario		Median Rate Scenario		High Rate Scenario	
		Well Capacity (gpm)	Distribution %	Well Capacity (gpm)	Distribution %	Well Capacity (gpm)	Distribution %
HEAD OF BAY #1 AAC869	COBI Head of Bay1	34	2%	34	2%	50	1%
HEAD OF BAY #1A AAC860	COBI Head of Bay1A	111	5%	111	5%	150	4%
HEAD OF BAY #2 AAC870	COBI Head of Bay2	183	8%	183	8%	250	6%
#3 HEAD OF BAY AAC871	COBI Head of Bay3	264	12%	264	12%	264	9%
HEAD OF BAY #4 AAC872	COBI Head of Bay4	83	4%	83	4%	140	4%
HEAD OF BAY #5 AAC873	COBI Head of Bay5	125	6%	125	6%	140	4%
HEAD OF BAY #6 AAC874	COBI Head of Bay6	85	4%	85	4%	135	4%
SAND AVE. #1 AAC875	COBI Sands Ave1	351	17%	351	17%	500	17%
SAND AVE. #2 AAC876	COBI Sands Ave2	377	18%	377	18%	750	26%
FLETCHER BAY AAC733	COBI Fletcher Bay	591	27%	591	27%	750	26%
Total System Capacity (gpm)		2,204		2,204		3,129	

Notes:
Data from Individual System webpages on the WADOH, Division of Environmental Health, Office of Drinking Water website

5.1.3.2 Kitsap Peninsula Production

Unlike on-island production growth estimates, Kitsap Peninsula production growth was not based on population growth estimates. Annual population values were available for Kitsap County as a whole, for unincorporated Kitsap County, and for the incorporated cities of Bremerton, Port Orchard, and Poulsbo. However, the model domain does not include all of Kitsap County or all the unincorporated county areas, or all of the cities of Bremerton and Port Orchard. Therefore, off-island production increases were based on either historical water system ERU counts, connection counts, or total production volumes. Because of this, only single, "expected" production growth rates were estimated for off-island water systems and these were used in the low, median, and high 100-year production growth scenarios.

The model domain includes many Group A and Group B water systems, as well as private users, on the Kitsap Peninsula but as with Bainbridge Island water systems, production rates for only the Group A community water systems on the peninsula were increased in the 100-year production growth scenarios. Production at all other Group A water systems, all Group B water systems, and all private residences was assumed to remain constant at rates in the **2023 Aspect Model**. However, production for these users does increase by 7% over the 100-year scenario period as the same estimated climate change increase in the gpd/ERU ratio applied to on-island users was applied to all off-island users.

Of the 53 Group A community water systems on Kitsap Peninsula within the model domain, only six had both historical total production and ERU data (**Table 19**). From this information, an ERU growth rate and a gpd/ERU ratio for each water system was calculated and is shown in **Table 19**.

Table 19. Kitsap Peninsula Water Systems with historical Production and ERU data

	INDIANOLA		MILLER BAY		SUQUAMISH*		SILVERDALE WATER DIST 16		KEYPORT WATER		CITY OF BREMERTON*	
Year	Total Prod. (MGY)	ERU	Total Prod. (MGY)	ERU	Total Prod. (MGY)	ERU	Total Prod. (MGY)	ERU	Total Prod. (MGY)	ERU	Total Prod. (MGY)	ERU
2009	--	--	--	--	88	--	807	--	--	--	2,489	--
2010	--	--	--	--	82	--	709	--	--	--	2,409	--
2011	--	--	--	--	--	--	712	--	--	--	2,542	--
2012	--	--	21	--	81	1,471	746	9,577	33	424	2,237	42,145
2013	39	--	21	--	79	1,479	713	10,052	33	428	2,121	40,085
2014	36	--	22	--	84	1,484	747	10,174	34	428	2,160	41,092
2015	40	--	22	420	88	1,488	782	10,318	37	429	2,186	39,658
2016	41	--	21	422	79	1,491	758	10,088	35	429	2,158	42,729
2017	45	--	25	423	82	1,498	752	10,784	35	429	2,230	44,924
2018	42	650	22	424	84	1,511	742	10,617	34	430	2,246	42,435
2019	40	660	21	426	80	1,520	739	10,816	32	432	2,306	44,498
2020	42	666	22	426	85	1,531	777	10,902	32	432	2,205	41,837
2021	46	676	23	428	90	1,546	776	10,760	--	--	2,236	41,119
2022	43	680	21	429	84	1,548	758	10,518	--	--	2,325	46,493
2023	42	682	21	429	88	1,551	803	11,221	--	--	2,425	45,498
Annual Growth Rate	0.5	7	0.05	1	0.5	8	3	110	-0.1	1	23	379
gpd/ERU	174		141		152		198		216		144	

Notes:
ERU data was received from KPUD via the City of Bainbridge Island
Production values were downloaded from WADOH, Division of Environmental Health, Office of Drinking Water website
Prod. = Production
* Production growth rate calculated from 2013-2022 data because from 2009-2012 production went down

In addition to the six water systems with historical ERU data, two water systems had historical connection and production data available (**Table 20**). From this information, a connection growth rate and a gpd/connection ratio for each water system was calculated. For the purposes of this analysis, connections were used in the same way as ERUs in the calculation of a production growth rate.

Table 20. Kitsap Peninsula Water Systems With Historical Production And Connection Data

	CITY OF POULSBO		NORTH PERRY AVE WATER DISTRICT	
Year	Total Prod. (MGY)	Connection	Total Prod. (MGY)	Connection
2009	--	--	565	--
2010	--	--	516	--
2011	--	--	504	--
2012	--	--	494	6,576
2013	--	--	505	6,601
2014	338	3,476	498	6,666
2015	350	3,635	514	6,675
2016	343	3,699	492	6,704
2017	356	3,834	496	6,725
2018	376	3,935	539	6,758
2019	354	4,001	517	6,794
2020	350	4,025	517	6,816
2021	392	4,075	554	6,817
2022	381	4,154	533	6,842
2023	--	4,272	510	6,900
Annual Growth Rate	5	81	0.6	27
gpd/Connection	255		209	

Notes:
Connection data was received from KPUD via the City of Bainbridge Island
Production values were downloaded from WADOH, Division of Environmental Health, Office of Drinking Water website

For water systems with historical ERU or connection counts, the ERU or connection growth rate was derived by linear regression of the ERU/connection data versus time. An average gpd/ERU ratio or gpd/connection ratio was developed by dividing annual total production rates by the associated ERU or connection count and taking the average of these ratios. 100-year scenario production rates were then calculated by increasing the ERU or connection count in each year after Year-1 by the calculated growth rate and multiplying the ERU or connection count by the average gpd/ERU or gpd/connection ratio.

For the remaining 48 Group A community water systems, only historical production data was available from the WADOH Office of Drinking Water website (WADOH 2024). The average annual production growth rate for each of these water systems was derived directly from the total production data using a linear regression of yearly total production rates versus time. Total production data was available for the timeframe of 2009 through 2023, but not all water systems had reported total production volumes for every year in this time frame. The linear regression yielded a negative production growth rate for many of the water systems. In these cases, it was assumed that production has not, and therefore will not, increase, and production for these water systems only increased by 7% over the 100-year scenarios due to the climate change increase in

the gpd/ERU ratio. **Table 19** lists the estimated annual production growth rate for the 20 (out of 53) Kitsap Peninsula Group A community water systems that were found to have increasing production rates along with the Year-1 and estimated Year-100 production rates and the percent increase in production over the 100-year scenario time frame for these water systems. Also provided in **Table 19** is the summed Year-1 and Year-100 production rates for all remaining Kitsap Peninsula Group A water systems, all Kitsap Peninsula Group B water systems, and all Kitsap Peninsula private users in the model domain. As shown in **Table 21**, Kitsap Peninsula production was more than doubled over the 100-year time frame in each of the three production growth rate scenarios.

Table 21. Kitsap Peninsula Water Systems With Historical Production And Connection Data

Kitsap Peninsula Group A Community Water System Name	Annual Production Growth Rate (gpd)	Year-1 Production (MGY)	Year-100 Production (MGY)	100-Year % increase	Data Source
BREMERTON CITY OF	24,982	963	2,123	120%	Total Production & gpd/ERU ratio; 2012 - 2023
SILVERDALE WATER DIST 16	26,032	758	1,900	151%	ERU count; 2012-2024
POULSBO CITY OF	20,576	381	1,211	218%	Connection count; 2014 - 2023
West Sound Utility District #1	13,517	615	1,195	94%	Total production; 2010 - 2023
NORTH PERRY AVE WATER DISTRICT	5,693	533	779	46%	Connection count; 2012 - 2023
NORTH PENINSULA*	11,137	350	742	112%	Total production; 2009 - 2023
PORT ORCHARD WATER DEPT*	7,864	287	612	113%	Total production; 2009 - 2023
MANCHESTER WATER DISTRICT	6,160	223	464	108%	Total production; 2010 - 2023
VINLAND*	4,786	116	308	165%	Total production; 2009 - 2023
MCCORMICK WOODS*	3,351	113	240	113%	Total production; 2009 - 2023
SUQUAMISH	1,197	84	138	65%	ERU count; 2012-2023
ERLAND POINT WATER CO	1,286	47	98	108%	Total production; 2010 - 2023
INDIANOLA WATER	1,143	43	90	109%	ERU count; 2018-2023
NEWBERRY HILL*	858	30	66	124%	Total production; 2009 - 2023
ELDORADO HILLS	803	20	45	125%	Total production; 2009 - 2023
MILLER BAY	162	21	30	40%	ERU count; 2015-2023
ISLAND LAKE*	110	18	24	29%	Total production; 2012 - 2022
INDIAN HILLS ESTATES	218	9	19	113%	Total production; 2012 - 2023
JOHANSON*	389	5	17	219%	Total production; 2009 - 2023
NAVY YARD PARK	108	9	15	63%	Total production; 2009 - 2023
Group A	0	189	202	7%	--
Group B	0	128	137	7%	--
Private Users	0	206	221	7%	--
Totals	130,371	5,150	10,675	107%	--

Notes:
* Initial production growth rate reduced due to water system capacity limitation

Estimating a production growth rate for the City of Bremerton's water system was more complex than for the other peninsula water systems because it draws from both surface water and groundwater. The City of Bremerton provided annual gpd/ERU ratios, annual total production volumes (surface and ground water), and the annual percentage of the total production that was represented by surface water for 2012 through 2023. From these data, an ERU growth rate and an average gpd/ERU ratio were calculated for the total water system production (**Table 13**) and an average percentage of total for groundwater of 46% was calculated. Annual total production was calculated for each year of the production growth rate scenario and 46% of the total production was assigned as groundwater production for the water system.

The distribution of the estimated annual production volumes to monthly production and to individual well production for peninsula water systems was performed using the same process

described above for Bainbridge Island water systems. For some water systems (identified in **Table 19**) the initially calculated production growth rate resulted in monthly extraction rates that exceeded the water system's total capacity. For these systems, the growth rate was reduced such that extraction during these months could meet but not exceed system capacity.

5.1.3.3 Production Returns

Groundwater production also creates groundwater recharge through return flow of water at or near the land surface. On Bainbridge Island and the Kitsap Peninsula, this includes water system leaks, septic systems and outdoor irrigation return flows. The consumptive use rate for indoor domestic use was assumed to be 10% (WASDOE 2009), and the consumptive use rate for outdoor use was set at 80%. Consumptive use is the amount of water that is lost from the system through processes such as evapotranspiration.

Return flow was assigned in the model as injections into the uppermost Qva layer. Using land-use and sewer line maps, model cells that represented water use areas, such as residential zones, commercial zones, school zones, and industrial zones, that did not have sewer connections available, were selected as return flow cells. These cells were assigned layer-1 injection wells and were categorized based on their location with respect to water system service areas. If the centroid of a return flow cell was within a water system service area, it was assigned an injection rate based on the total production of that water system. If the centroid of the return flow cell was outside of any water system service areas, it was assigned an injection rate based on the summed total private use production for that area, defined by census tracts.

The amount of production considered as return flow was dependent on the gpd/ERU ratio calculated for the water system or individual user. The gpd/ERU ratio for private users was assumed to equal 198. The method for estimating the gpd/ERU ratio for Group A and Group B water systems was described in Section 5.1.3.1. A uniform gpd/ERU ratio of 162 was assumed to represent indoor use for all water users. Therefore, if a water system had a gpd/ERU ratio of 162 or less, it was considered that all water use within the water system service area was for indoor use and the return flow gpd/ERU ratio was equal to 90% of the water system gpd/ERU ratio. If a water system had a gpd/ERU ratio greater than 162, then the indoor use return flow gpd/ERU ratio was 146 (90% of 162) and the outdoor use return flow ratio was equal to 20% of the difference between the water system ratio and 162. This was converted to a percentage of total production attributed to return flow for the water system by dividing the water system gpd/ERU ratio by the sum of the indoor use return and outdoor use return gpd/ERU ratios. For example, the private user gpd/ERU ratio was assumed to be 198. This yields an indoor use gpd/ERU ratio of 162 and an outdoor use gpd/ERU ratio of 34. The indoor use return gpd/ERU ratio is 146 (90% of 162) and the outdoor use return gpd/ERU ratio is 7 (20% of 34). The resulting percentage of total production assigned as return flow is 78% [(146+7)/198].

For private users and water systems without sewer service, the total return flow for the water use area was calculated as the return flow percentage times the total production for the water use area. For example, the area outside of water system service areas in census tract 907/908 is represented by 2,299 people or 919 private users (ERUs) in Year-1 of the production growth rate scenarios (**Table 13**). The return flow percentage for private users is 78% of total production,

which is 66.5 MGY for private users in census tract 907/908 (**Table 14**). Therefore, the total return flow for these private users is 51.9 MGY, proportioned to injection wells in all return flow cells outside of water system serve areas in census tract 907/908 based on the number of ERUs that are represented in the cell.

In some areas of Bainbridge Island and the Kitsap Peninsula return flow is prevented from returning to the flow system by wastewater treatment systems. On Bainbridge Island, the City of Bainbridge Island operates a wastewater treatment plant (WTP) that discharges to the Puget Sound and the Kitsap County Sewer District No.7 operates a WTP that discharges to Rich Passage in Puget Sound (Washington State Department of Ecology [WASDOE] 2017a, 2023). The City of Bainbridge WTP treats water from connections in the Winslow area of the City of Bainbridge Island water system and the Kitsap County Sewer District No.7 WTP treats water from South Bainbridge, Emerald Heights, and Rockaway Beach water system service.

On Kitsap Peninsula there are five wastewater treatment plants: Manchester WTP which treats water from the Manchester water system and discharges into Rich Passage – Puget Sound (WASDOE 2018a), Bremerton West WTP which treats water from the City of Bremerton water system and discharges into Sinclair Inlet – Puget Sound (WASDOE 2018b), Suquamish WTP which treats water from the Suquamish water system and discharges into Port Madison Bay – Puget Sound (U.S. Environmental Protection Agency 2019), South Kitsap WTP which treats water from the City of Port Orchard and the West Sound Utility District water systems and discharge into Sinclair Inlet – Puget Sound (WASDOE 2019), and Central Kitsap WTP which treats water from portions of the Silverdale Water District 16, City of Poulsbo, North Perry Ave. Water District, Keyport Water, Erland Point Water Company, and Eldorado Hills water systems and discharges into Port Orchard Bay, Puget Sound (WASDOE 2017b). All of these sewage systems capture return flow and channel it to the Puget Sound and therefore must be accounted for when estimating return flow rates in the model.

It should be noted here that total water system production includes both the portion of production that is delivered to water system users and is metered (authorized production), and the portion that is lost due to leakage in the distribution lines. In this way, return rates based on total production account for water returned to the flow system through underground leaks. However, for water systems where some or all of the return water is collected by wastewater treatment sewage lines, the initial return rate has to be based on authorized production as distribution system leakage occurs before delivery to users. For these water systems, an initial authorized return rate is calculated based on authorized production, the percentage of authorized return going to wastewater treatment collection is calculated and subtracted from the authorized return rate, and then the distribution leakage rate is added to the remaining authorized return to derive the total production return rate to the flow system from the water system service area. A description of this process follows.

In order to modify return flow rates to account for wastewater treatment system flow, an average wastewater treatment system flow rate (gpd) was calculated for each WTP by dividing the summed historical daily volume treated (gallons) by the total number of days in the historical record. The authorized production rate for the wastewater treatment system was then divided by

the average wastewater treatment system flow rate to derive a percent of production that goes to wastewater treatment. The remainder is attributed, along with the distribution leakage rate, to return flow injections in the model.

For wastewater treatment systems that service portions of multiple water system service areas, the portion of authorized production from each water system that went to the wastewater treatment system had to be calculated. This was done by graphically calculating the percentage of the WTP collection system that was located in each water system service area and then applying that percentage to the average wastewater treatment system flow rate to derive an average wastewater treatment system flow rate for each water system area. **Table 22** shows the series of steps that were performed to calculate the return flow injection rates for water systems with wastewater treatment collection. If a wastewater treatment system flow rate was greater than the authorized production rate, it was assumed that all return flow was captured by the wastewater treatment system and any return flows from the system represents distribution leakage only. Note that the City of Bremerton water system service area has wastewater treatment service from two WTPs, Bremerton West and Central Kitsap. For this water system, the flow rate captured by the Central Kitsap WTP system was calculated first and then added to the Bremerton West WTP flow rate. This resulted in wastewater treatment system flow being greater than authorized flow and the 6% return flow only represents distribution leakage.

Table 22. Process To Calculate Return Flow Injection Rates For Water Systems With Partial Wastewater Treatment Service

Wastewater Treatment System	Water System	TP	L	AP	RF%	WTF	WTF%	TRF (RF%*AP)	WSWTF (WTF%*WTF)	WSRF (TRF-WSWTF)	TWSRF (WSRF+L)	TWSRF% (RRT/TP)
Bremerton West WTP	BREMERTON CITY OF	6.26	0.38	5.88	90%	5.29	100%	5.29	5.86	-0.56	0.38	6%
Bainbridge Island WTP	BAINBRIDGE ISLAND CITY OF	0.66	0.03	0.63	89%	0.56	100%	0.56	0.56	0.00	0.03	5%
Suquamish WTP	SUQUAMISH	0.23	0.01	0.22	90%	0.24	100%	0.19	0.24	-0.05	0.01	6%
Manchester WTP	MANCHESTER WATER DISTRICT	0.56	0.02	0.53	90%	0.30	100%	0.48	0.30	0.18	0.20	36%
Central Kitsap WTP	NORTH PERRY AVE WATER DISTRICT	1.42	0.08	1.33	90%	3.45	26%	1.20	0.89	0.30	0.39	27%
	KEYPORT WATER	0.11	0.01	0.10	90%	3.45	1%	0.09	0.04	0.05	0.05	50%
	POULSBO CITY OF	0.96	0.06	0.90	90%	3.45	23%	0.81	0.78	0.04	0.09	10%
	BREMERTON CITY OF	6.26	0.38	5.88	90%	3.45	16%	5.29	0.56	4.73	5.11	--
	SILVERDALE WATER DIST 16	2.03	0.06	1.97	77%	3.45	33%	1.52	1.13	0.39	0.45	22%
	ERLAND POINT WATER CO	0.18	0.01	0.17	90%	3.45	1%	0.15	0.02	0.13	0.14	79%
	ELDORADO HILLS	0.04	0.003	0.03	64%	3.45	1%	0.02	0.02	0.0003	0.003	9%
Kitsap County Sewer District No. 7 WTP	SOUTH BAINBRIDGE	0.47	0.07	0.40	59%	0.10	90%	0.24	0.09	0.14	0.21	45%
	EMERALD HEIGHTS	0.02	0.001	0.02	80%	0.10	5%	0.01	0.01	0.01	0.01	50%
	ROCKAWAY BEACH	0.02	0.002	0.02	72%	0.10	5%	0.01	0.00	0.01	0.01	50%

Wastewater Treatment System	Water System	TP	L	AP	RF%	WTF	WTF%	TRF (RF%*AP)	WSWTF (WTF%*WTF)	WSRF (TRF-WSWTF)	TWSRF (WSRF+L)	TWSRF% (RRT/TP)
South Kitsap WTP	West Sound Utility District #1	1.67	0.12	1.54	90%	1.89	69%	1.39	1.29	0.09	0.22	13%
	PORT ORCHARD WATER DEPT	0.77	0.05	0.72	90%	1.89	32%	0.65	0.60	0.05	0.10	13%

Notes:
TP = Average water system total production (million gallons per day)
L = Average distribution system leakage rate (million gallons per day)
AP = Average water system authorized production (million gallons per day)
RF% = Water system return flow as a percentage of authorized flow
WTF = Average wastewater treatment system flow (million gallons per day)
WTF% = Percent of wastewater treatment flow attributed to water system return flow
TRF = Total water system return flow (million gallons per day)
WSWTF = Wastewater treatment flow from water system (million gallons per day)
WSRF = Water system return flow (million gallons per day)
TWSRF = Total water system return flow including distribution leakage (million gallons per day)
%TWSRF = Total water system return flow as a percentage of total water system production

Table 23 summarizes how production and return flow changes for the entire model domain in the low, median, and high production growth rate scenarios from Year-1 to Year-100. The Low, Median, and High Production Growth scenarios will simulate a progressive increase in both production and return flow. This is expected as return flow has been shown to be a function of production. However, due to a portion of return flow being captured by wastewater treatment systems, production increases at a greater rate than return flow. Overall, the production growth rate scenarios simulate a 2.2X, 2.3X, and 2.4X increase in net production (gross production minus return flow) in the Low, Median, and High production growth scenarios, respectively.

Section 5.1 provides a description of the methodology and design of a series of scenarios developed to represent a reasonable range of impacts to the Bainbridge Island groundwater flow system due to climate change and population growth over the next one hundred years. Each of the scenarios described above were run as single impact simulations in order to understand the flow system's sensitivity to each type of impact, however, on their own, these simulations do not represent the total impact climate change and population growth is predicted to have on the flow system. It is beyond the scope of this technical memorandum to review the impacts of each single impact simulation, but Section 5.2 presents how these scenarios were combined to develop three impact planning scenarios and describes the resulting combined impact on the flow system.

Table 23. Summary Of Production And Return Flow Rates Assigned In The Low, Median, And High Production Growth Rate Scenarios.

Rate Type	Year 1 Rates (MGY)	Year-100 Rates (MGY) per Scenario			Percent Increase per Scenario		
		Low Rate Scenario	Median Rate Scenario	High Rate Scenario	Low Rate Scenario	Median Rate Scenario	High Rate Scenario
Return Flow	2,062	3,748	3,853	3,951	82%	87%	92%
Gross Production	5,993	12,496	12,926	13,444	108%	116%	124%
Net Production	3,931	8,748	9,073	9,493	123%	131%	141%

5.2 SCENARIO RESULTS

Three planning scenarios were designed to represent possible future conditions on and around Bainbridge Island (**Table 24**). The results and interpretations of each scenario are below.

Table 24. Planning Scenario datasets after 100 years

Scenario	Sea Level Rise	Recharge	Pumping
Low Impact Planning Scenario	+2.8 ft	0% change	122% increase
Mid Impact Planning Scenario	+6.9 ft	-7.5% decrease	167% increase
High Impact Planning Scenario	+6.9 ft	-20% decrease	167% increase

5.2.1 Low Impact Planning Scenario

The Low Impact Planning Scenario represents a RLSR of 2.8 feet corresponding to the 50% exceedance probability of the RCP 8.5 climate scenario and no change in groundwater recharge. The simulated production growth of 122% represents the median expected growth rate on

Bainbridge Island. **Figures 14 through 17** show the simulated groundwater levels in the Qva, SLA, GMA, and FBA after 20, 50, and 100 years. The model's grid spacing of 500 ft by 500 ft does not allow for representation of water use by or impact to individual water users on Bainbridge Island. Rather, the model simulations represent impacts on the scale of aquifer units. Therefore, with respect to simulated groundwater levels, scenario impacts are quantified by calculating the mean groundwater elevation across Bainbridge Island for each aquifer unit at 20, 50, and 100 years into the simulation and comparing that to the mean groundwater elevation of each aquifer unit in the current condition simulation (**Table 25**). Simulated localized impacts associated with water supply wells will be discussed as will drawdown impacts to the confined FBA.

Under the Low Impact Planning Scenario (**Figure 14**), there are negligible changes to the Qva unit relative to current conditions (**Figure 6**). Mean groundwater levels are simulated to increase 0.1 feet in the Qva after 100 years (**Table 25**) under the Low Impact Planning Scenario. The increase is due primarily to the projected 2.8-foot rise in RLSR.

Mean decreases in groundwater levels in the SLA range from 1 feet after 20 years to 6 feet after 100 years (**Table 25**). This decrease is primarily centered around the South Bainbridge Wellfield (**Figure 15**). Groundwater elevations drop below sea level around the South Bainbridge Wellfield by year 50 of the simulation.

Within the deeper aquifers (GMA and FBA) extraction-induced drawdowns are greater. Mean decreases in groundwater levels in the GMA range from 5 feet after 20 years to 33 feet after 100 years (**Table 25**). This decrease is primarily centered around the Island Utility Wellfield. Even though these wells are screened in the deeper FBA (**Figure 16**), drawdown is being induced vertically across the aquitard that separates the FBA from the GMA. Due to this, groundwater elevations in this unit drop below sea level in the southern portion of the island between year 50 and year 100 of the simulation.

Mean decreases in groundwater levels in the FBA range from 8 feet after 20 years to 50 feet after 100 years (**Table 25**). This decrease is due to production at the large capacity municipal supply wells; Sands Road 1 and 2, Island Utility Well 1 and 3, Fletcher Bay Pumping Well, and North Bainbridge 9 (**Figure 17**). This simulation estimates that by year 100, the cones of depression around these wells will result in aquifer groundwater levels below mean sea level across the central portion of the island. Near the Sands Road well cluster, groundwater levels are simulated to decrease by as much as 60 feet after 100 years of the Low Impact Planning Scenario conditions. Across most of the island, drawdown in the FBA is from 40 to 60 feet (**Figure 18**). Moreover, it can be inferred from **Table 25** that the mean groundwater level within the FBA drops below sea level at approximate simulation year 75 (corresponding to calendar year 2097) under the Low Impact Planning Scenario conditions.

Table 25. Mean Groundwater Levels Under Different Planning Scenarios

	Mean Groundwater Level (feet above mean seal level)									
		Low Impact Planning Scenario			Mid Impact Planning Scenario			High Impact Planning Scenario		
Hydrogeologic Unit	Current	20 years	50 years	100 years	20 years	50 years	100 years	20 years	50 years	100 years
Qva	102.2	102.6	102.3	102.3	102.4	101.7	101.4	102.0	100.4	97.4
SLA	43.4	42.2	40.2	37.2	41.9	39.8	37.3	41.7	39.1	33.1
GMA	37.2	32.0	21.6	4.1	26.9	13.3	-8.8	26.8	12.8	-12.9
FBA	36.8	28.9	13.3	-13.4	20.7	-0.1	-34.6	20.6	-0.7	-38.7

5.2.2 Mid Impact Planning Scenario

The Mid Planning Scenario represents a RLSR of 6.9 feet corresponding to the 1% exceedance probability of the RCP 8.5 climate scenario and a 7.5% decrease in groundwater recharge. The simulated production growth of 167% represents the high growth rate on Bainbridge Island. **Figures 19 through 22** show the simulated groundwater levels in the Qva, SLA, GMA, and FBA after 20, 50, and 100 years.

Under the Mid Impact Planning Scenario (**Figure 19**), there are negligible changes to the Qva unit relative to current conditions (**Figure 6**). This demonstrates the Qva's minimal sensitivity to increasing extraction within the deeper aquifers. Mean decreases in groundwater levels in the SLA remained approximately the same for the Low Impact Planning Scenario, ranging from 2 feet after 20 years to 6 feet after 100 years (**Table 25**). This decrease remains primarily centered around the South Bainbridge Wellfield (**Figure 20**). The results suggest that the increase in mean sea level offsets the effects of decreased recharge and increased pumping in the SLA.

Mean decreases in groundwater levels in the GMA increased in the Mid Impact Planning Scenario (as compared to the Low Impact Planning Scenario), ranging from 10 feet after 20 years to 46 feet after 100 years (**Table 25**). Again, this decrease is primarily centered around the Island Utility Wellfield, even though these wells are screened in the deeper FBA (**Figure 21**). The portion of the aquifer unit with groundwater elevations below mean sea level expands past the footprint of the island quicker (by year 50), and to a greater overall extent (by year 100) in the Mid Impact Planning simulation as compared to the Low Impact Planning simulation results.

Mean decreases in groundwater levels in the FBA also increased, ranging from 16 feet after 20 years to 71 feet after 100 years (**Table 25**). This increase is due to increased production at the large capacity municipal supply wells; Sands Road 1 and 2, Island Utility Well 1 and 3, Fletcher Bay Pumping Well, and North Bainbridge 9 (**Figure 22**). Similar to the GMA results, the portion of the aquifer unit with groundwater elevations below mean sea level expands past the footprint of the island quicker (by year 50), and to a greater overall extent (by year 100) in the Mid Impact Planning simulation as compared to the Low Impact Planning simulation results.

Figure 23 shows island-wide drawdown in the FBA with local drawdowns exceeding 100 feet around the Sands Road and Island Utility pumping centers. **Table 25** suggests that mean

groundwater levels within the FBA and GMA will drop below sea level at approximately 50 simulation years (corresponding to calendar year 2072) and at approximately 75 years (corresponding to calendar year 2097), respectively.

5.2.3 High Impact Planning Scenario

The High Planning Scenario represents a RLSR of 6.9 feet corresponding to the 1% exceedance probability of the RCP 8.5 climate scenario and a 20% decrease in groundwater recharge. The simulated production growth of 167% represents the high growth rate on Bainbridge Island. **Figures 24 through 27** show the simulated groundwater levels in the Qva, SLA, GMA, and FBA after 20, 50, and 100 years.

The large decrease in groundwater recharge had the greatest impact on the groundwater levels in the Qva unit with a decrease of 5 feet by year 100 (**Table 25**). However, this is relatively small considering mean groundwater levels within the unit are still nearly 100 feet above sea level (**Figure 24**). Mean groundwater levels in the SLA did not show an increased impact due to reduced recharge until year 100 when mean groundwater levels were simulated to be 10 feet below current conditions. The additional decrease by year 100 is due primarily to groundwater levels around the Head of Bay Wellfield dropping below mean sea level and the area of groundwater levels below mean sea level around the South Bainbridge wellfield expanding to the west (**Figure 25**).

Similarly, the reduction in recharge resulted in an additional mean groundwater level decrease of 4 feet and 5 feet in the GMA and FBA, respectively, by year 100 (**Table 25**). This is due to a sight expansion of the cone of depression around the Island Utility wellfield in the GMA (**Figure 26**) and the slight deepening of the cones of depression around the FBA production centers (**Figure 27**). In general, the timing of when the mean groundwater level in the GMA and FBA drops below mean sea level, and the extent of drawdown in the FBA (**Figure 28**) was not significantly impacted by the further reduction in recharge.

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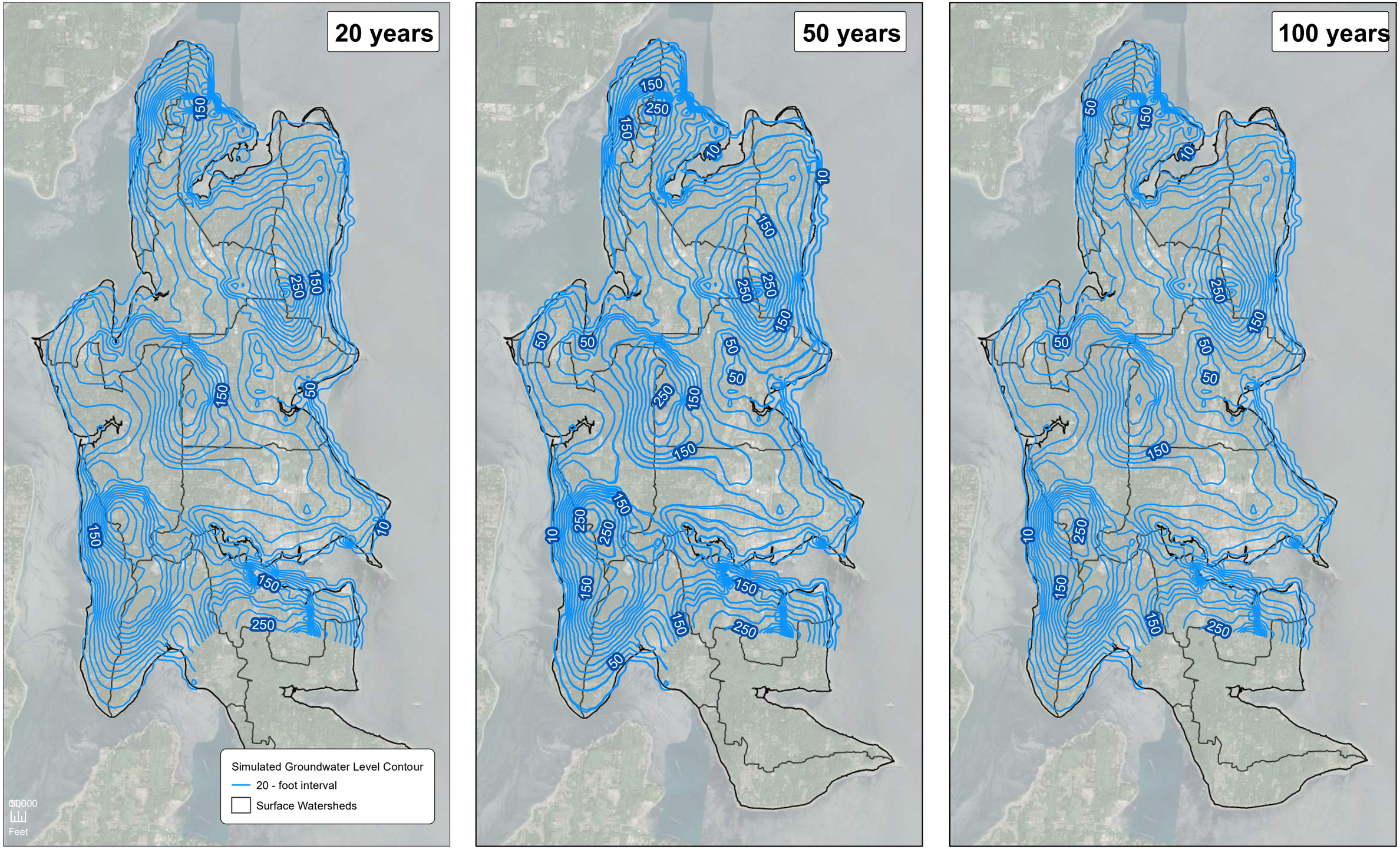

Simulated Groundwater Levels in Qva under Planning Scenario A Conditions

Figure 14

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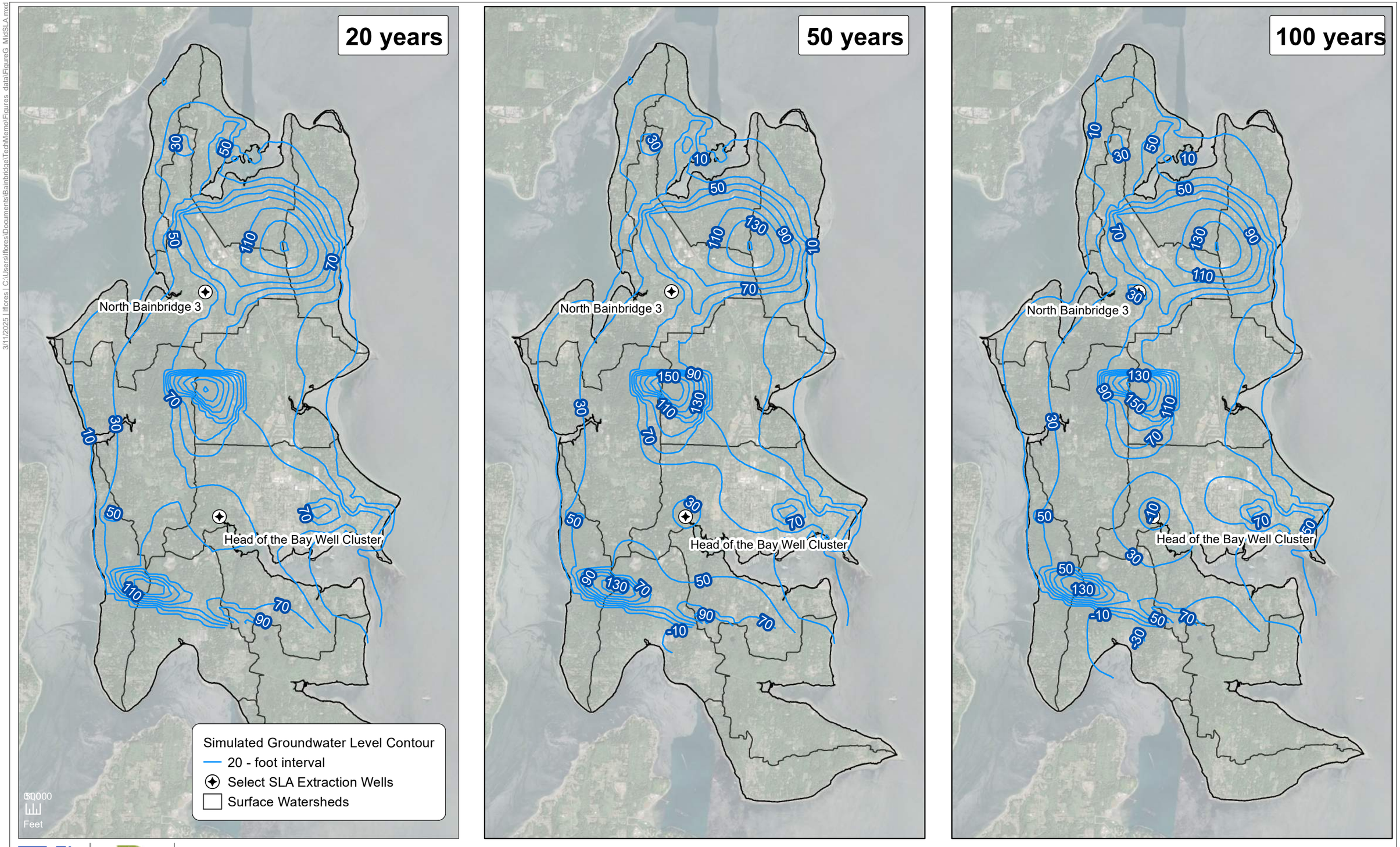

Simulated Groundwater Levels in SLA under Low Impact Planning Scenario Conditions

Figure 15

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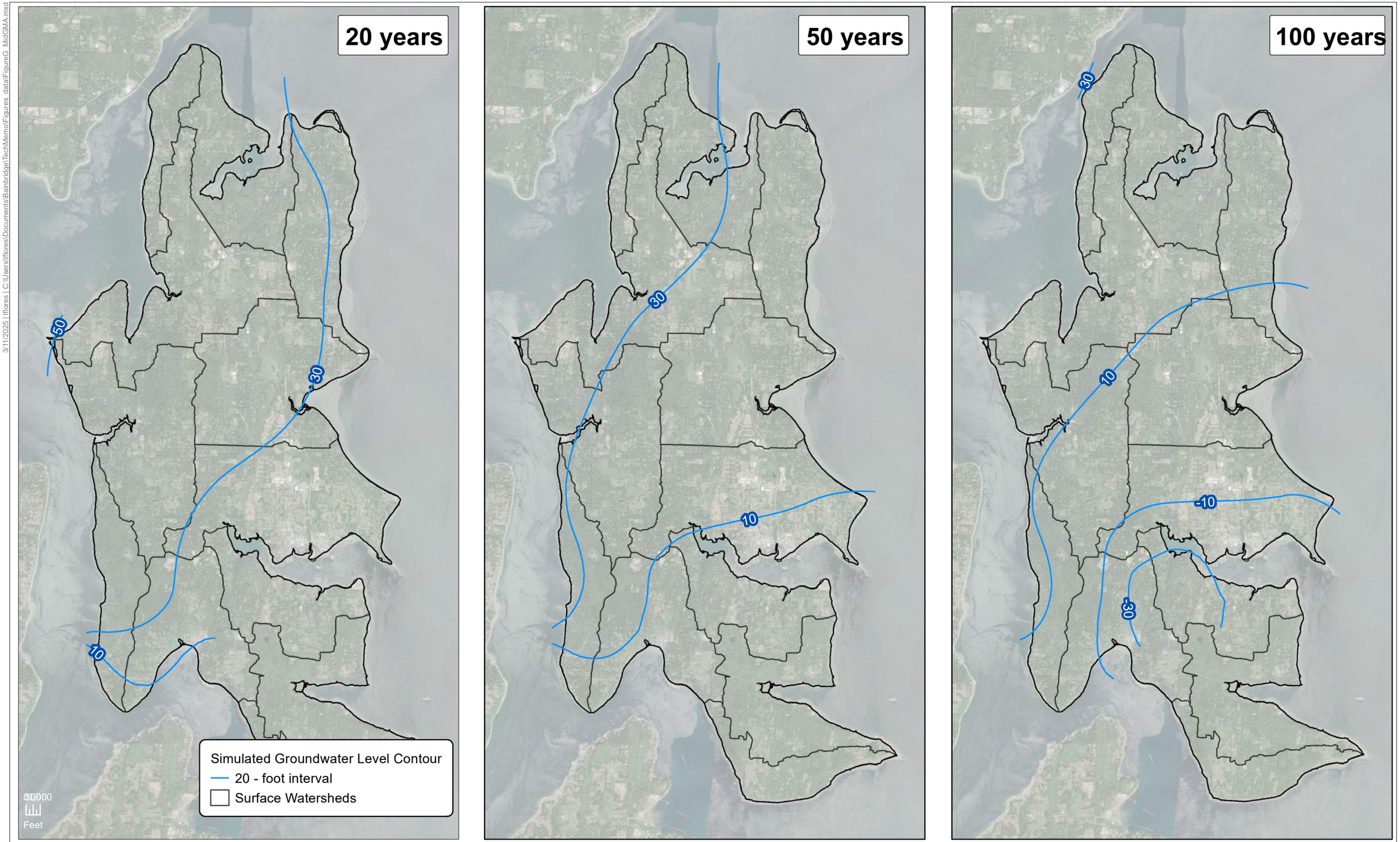

Simulated Groundwater Levels in GMA under Planning Scenario A Conditions

Figure 16

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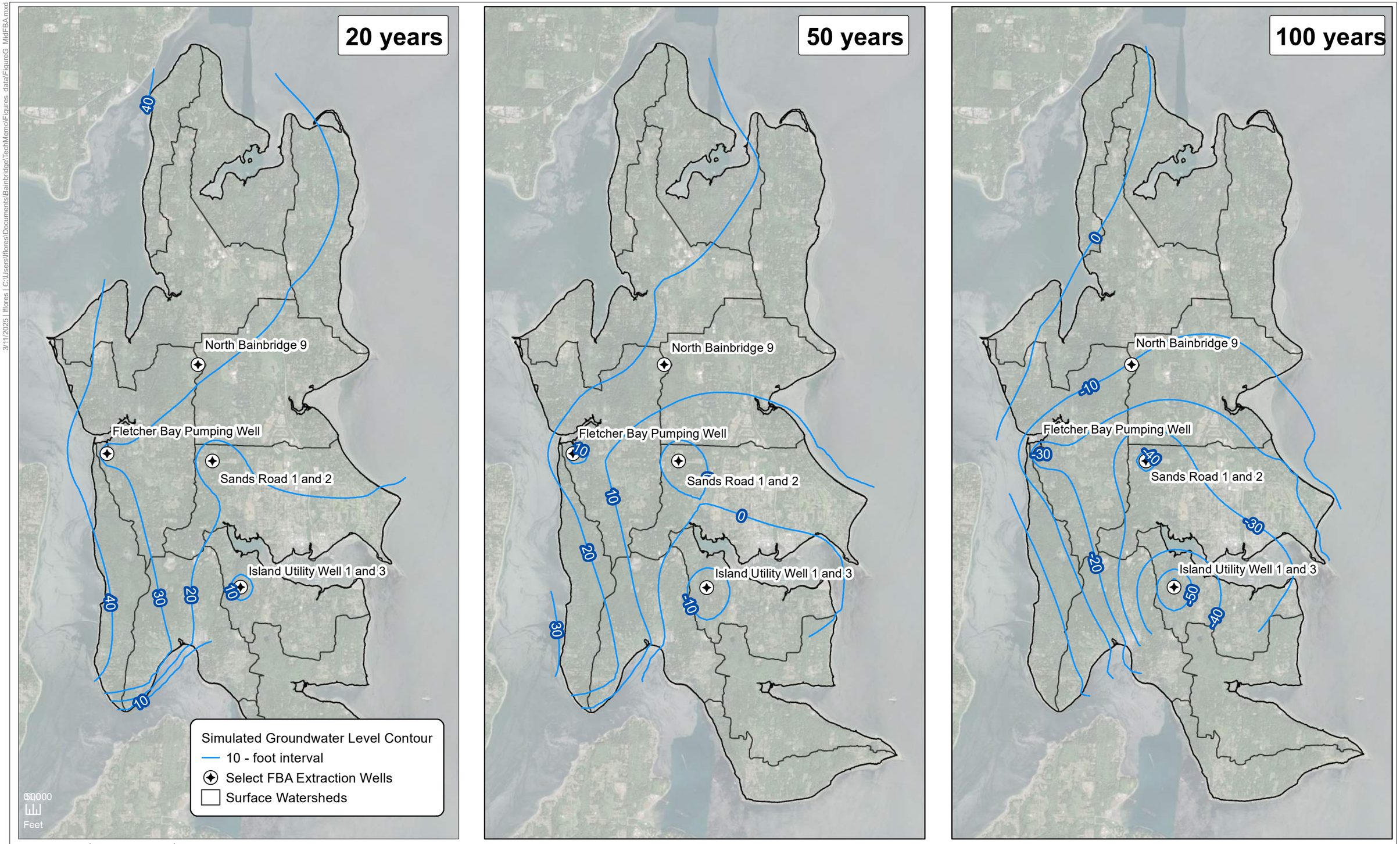

Simulated Groundwater Levels in FBA under Planning Scenario A Conditions

Figure 17

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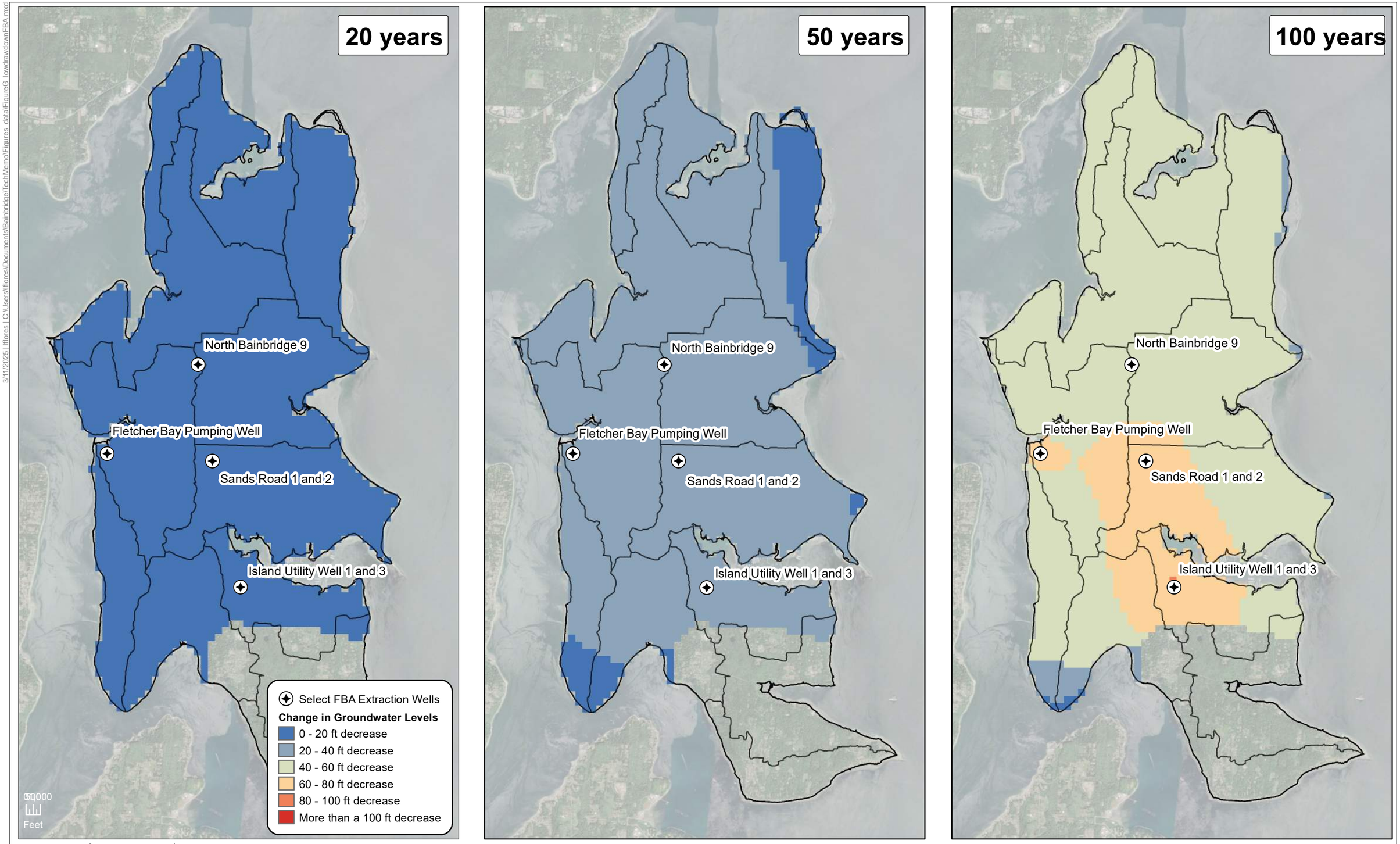

Simulated Drawdown in FBA under Planning Scenario A Conditions

Figure 18

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20 years

50 years

100 years

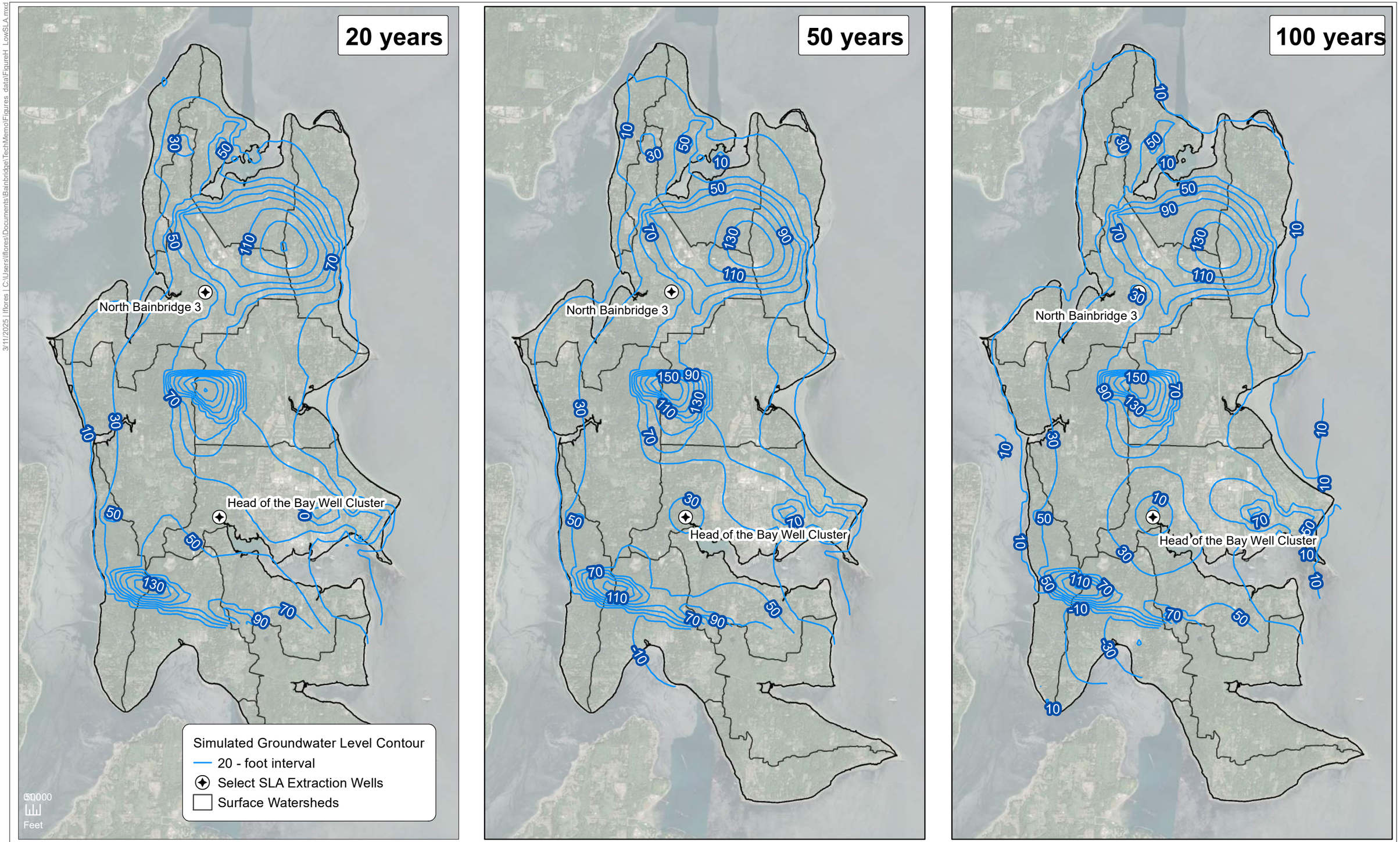
Simulated Groundwater Level Contour
20 - foot interval
Surface Watersheds

0 5000
Feet

Simulated Groundwater Levels in Qva under Planning Scenario B Conditions

Figure 19

3/11/2025 | lflores | C:\Users\lflores\Documents\Bainbridge\TechMemo\Figures_data\FigureH_LowSLA.mxd



Simulated Groundwater Levels in SLA under Planning Scenario B Conditions

Figure 20

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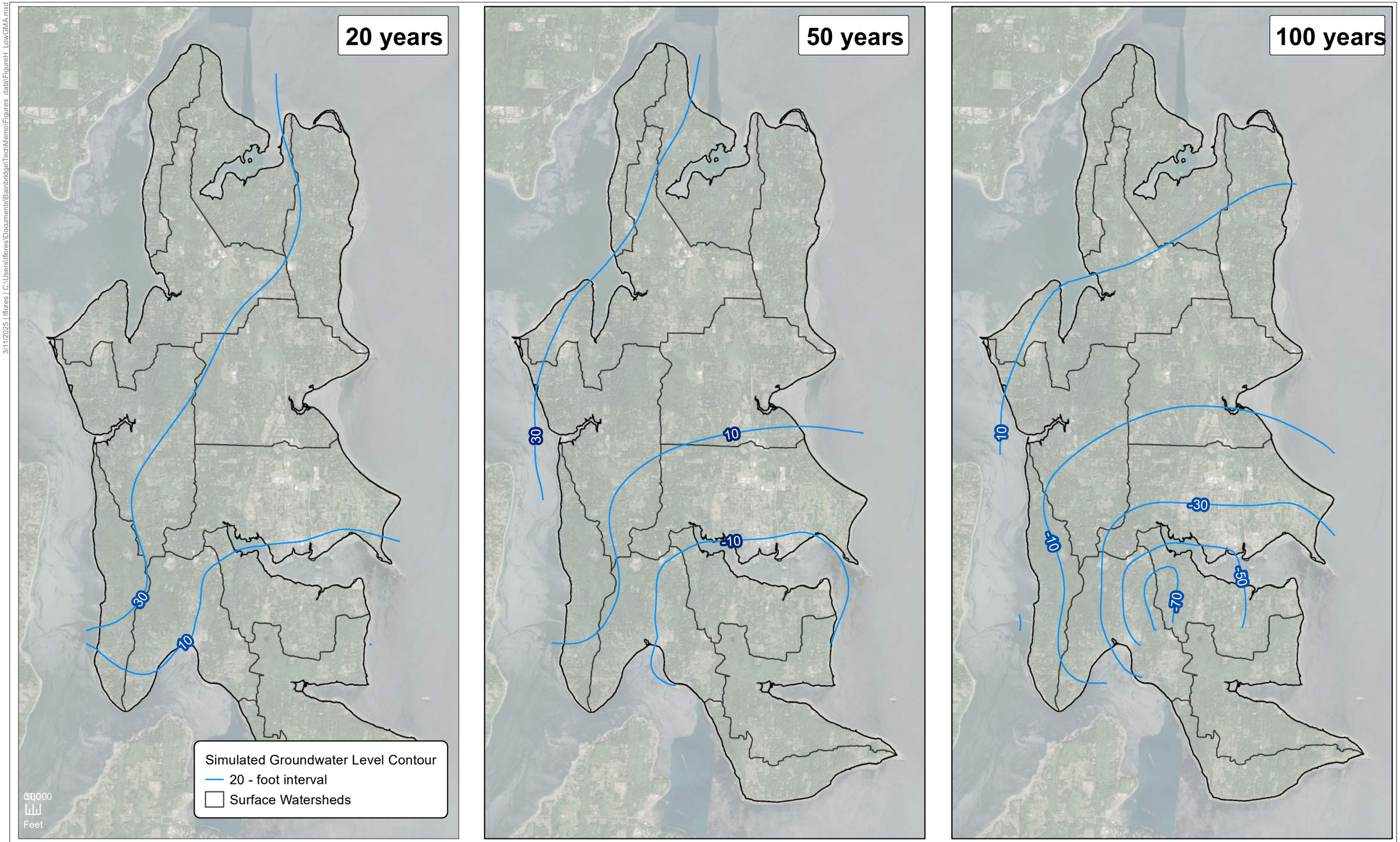

Simulated Groundwater Levels in GMA under Planning Scenario B Conditions

Figure 21

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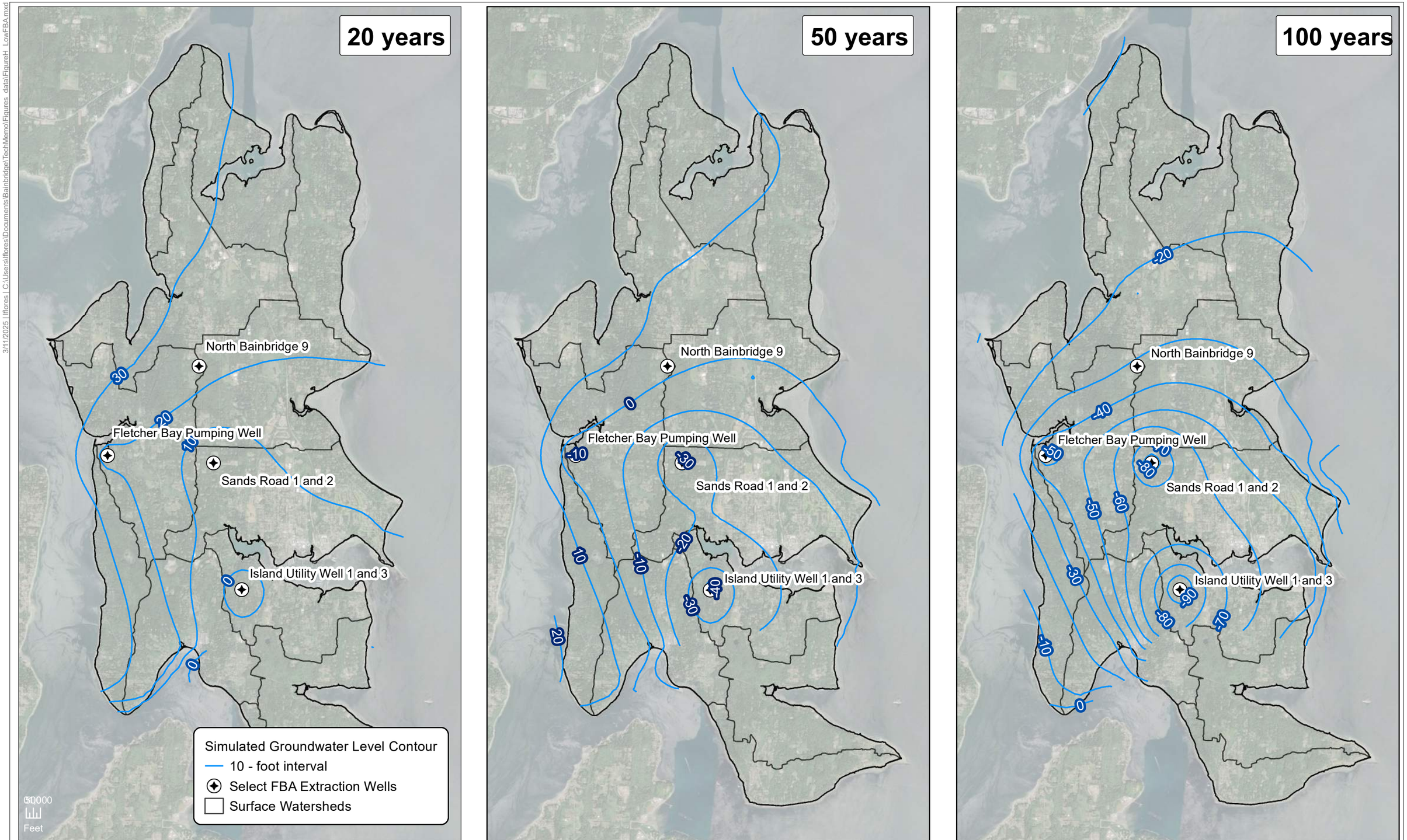

Simulated Groundwater Levels in FBA under Planning Scenario B Conditions

Figure 22

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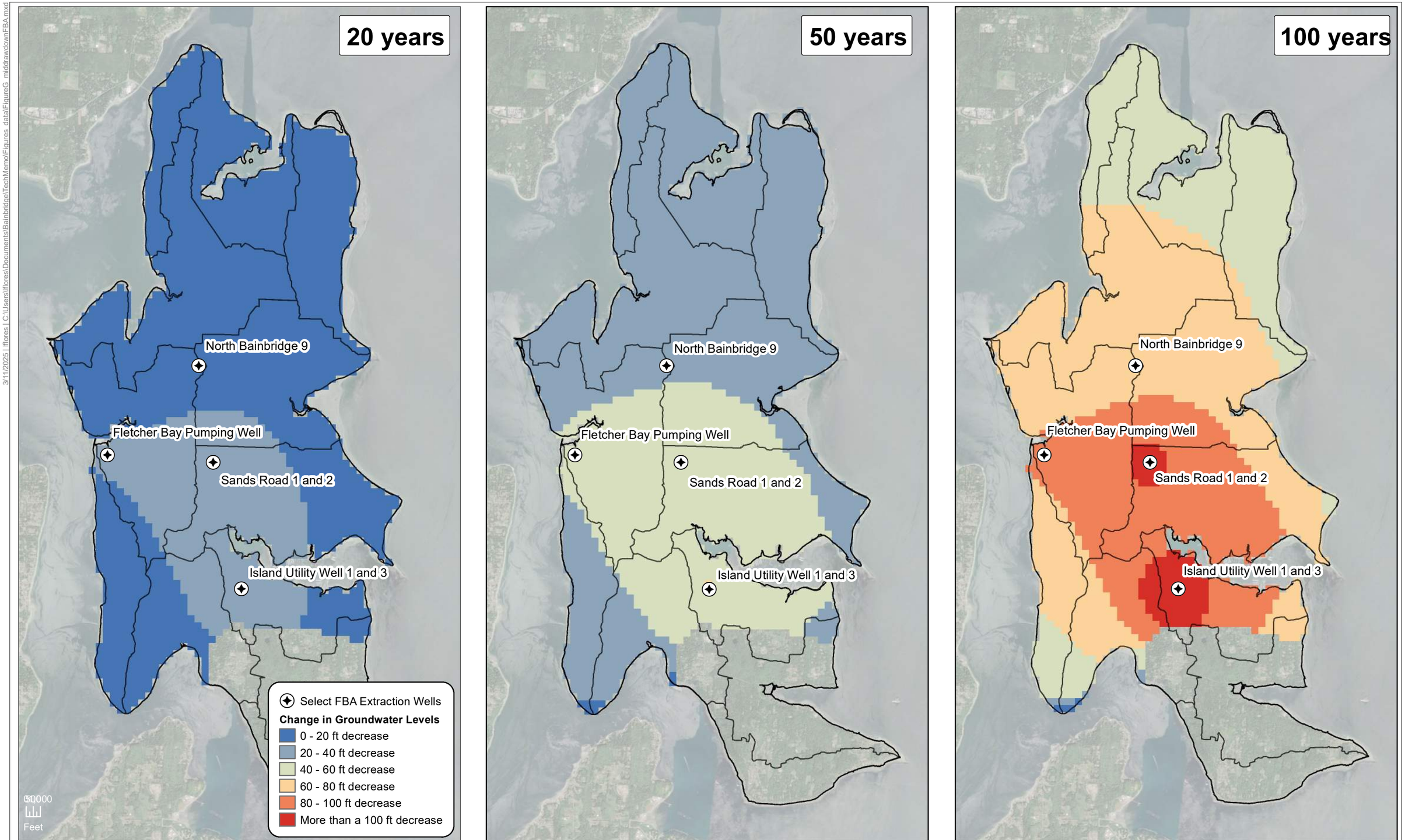

Simulated Drawdown in FBA under Planning Scenario B Conditions

Figure 23

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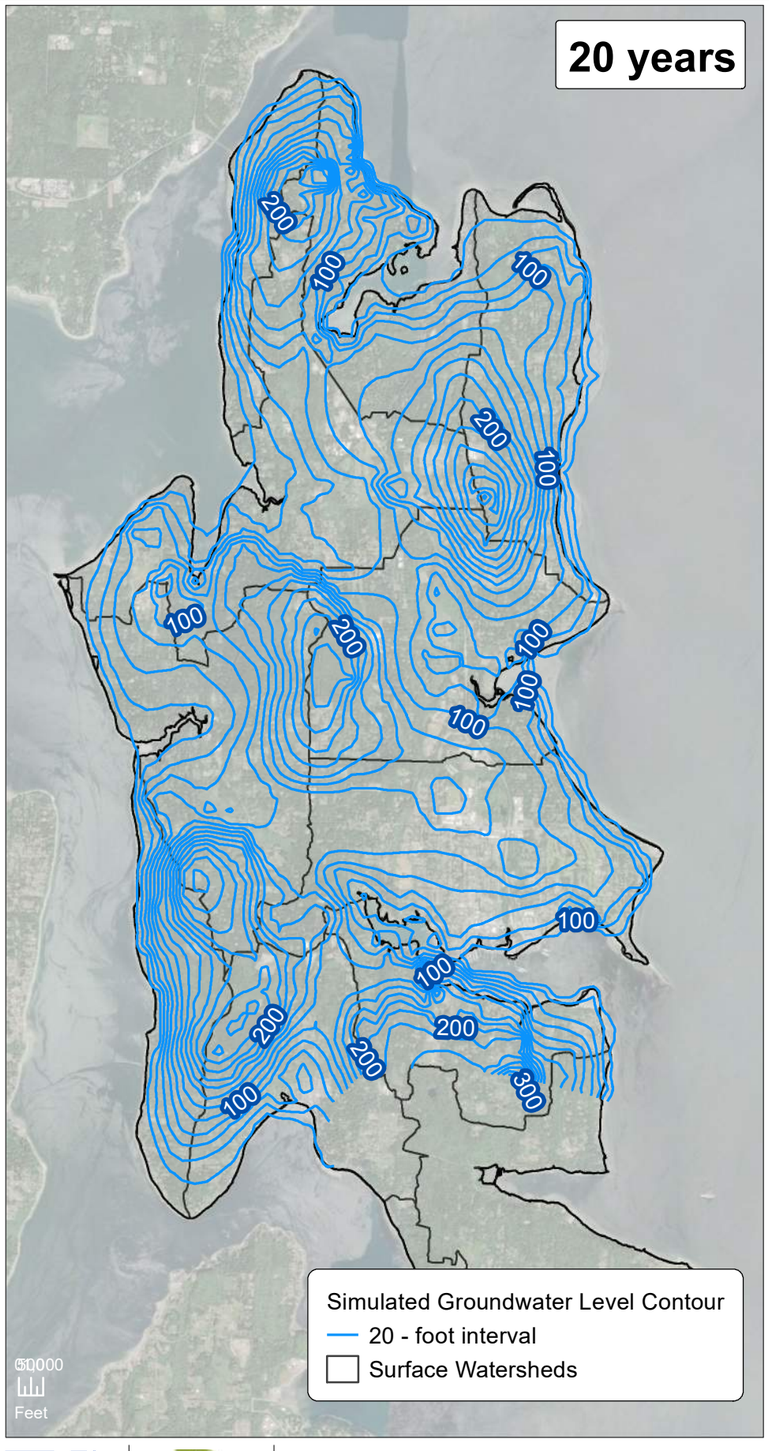

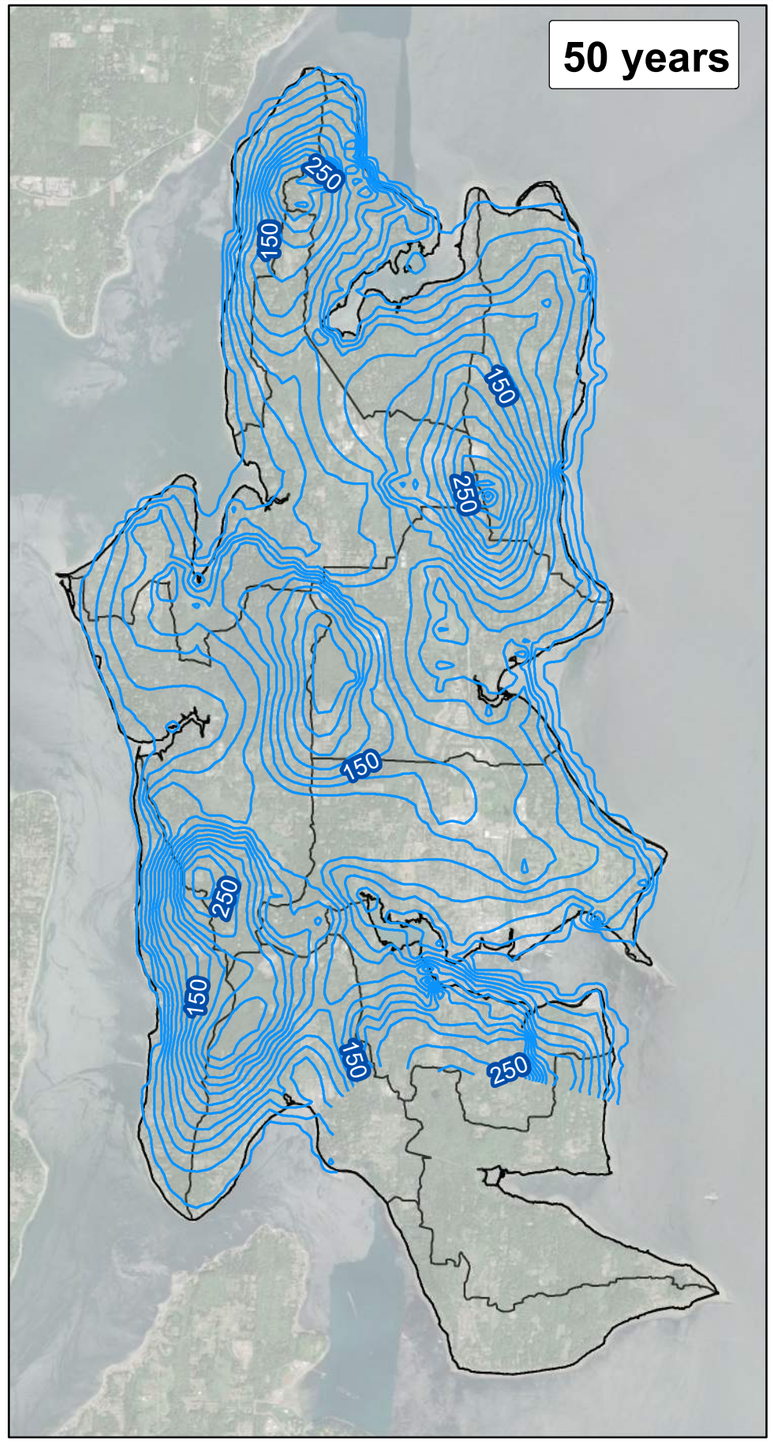

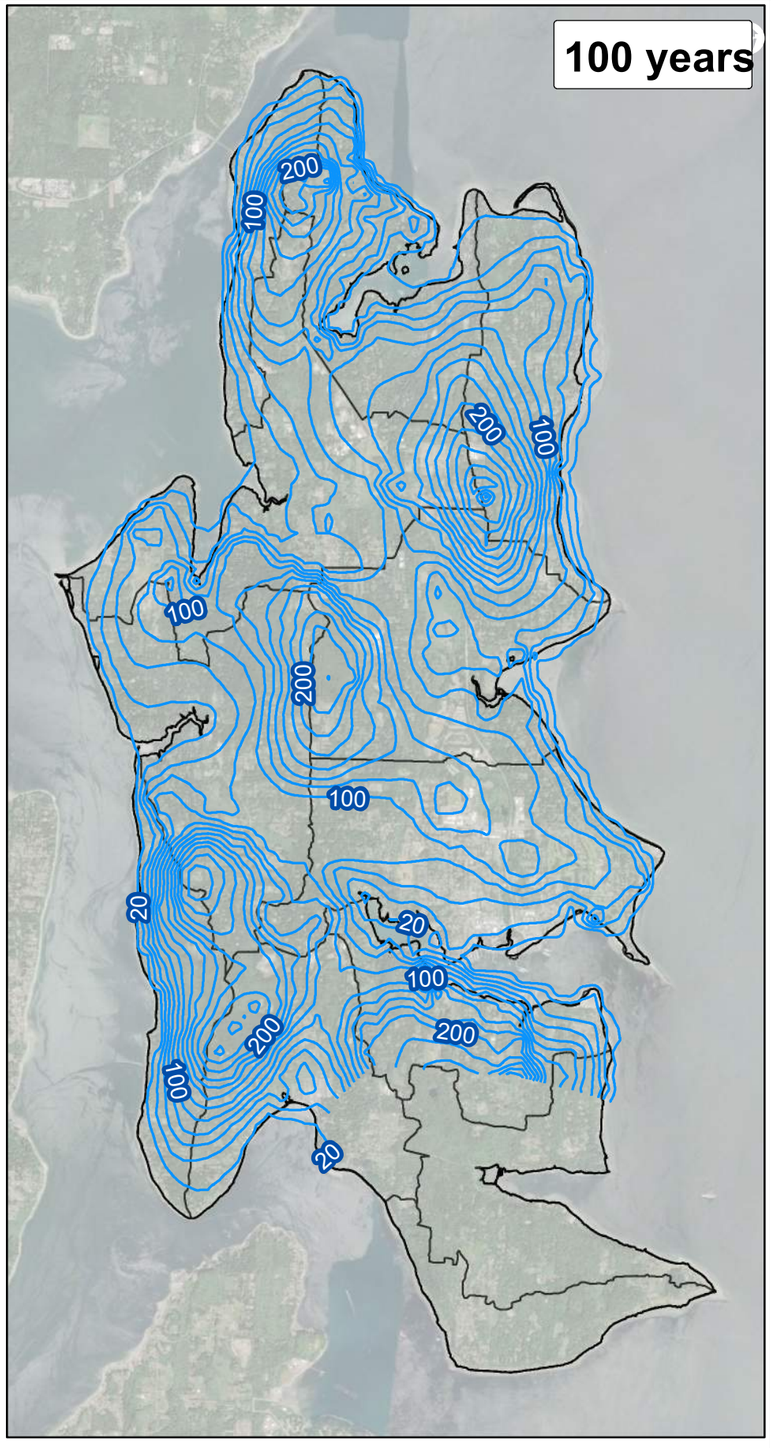

Simulated Groundwater Levels in Qva under Planning Scenario C Conditions

Figure 24

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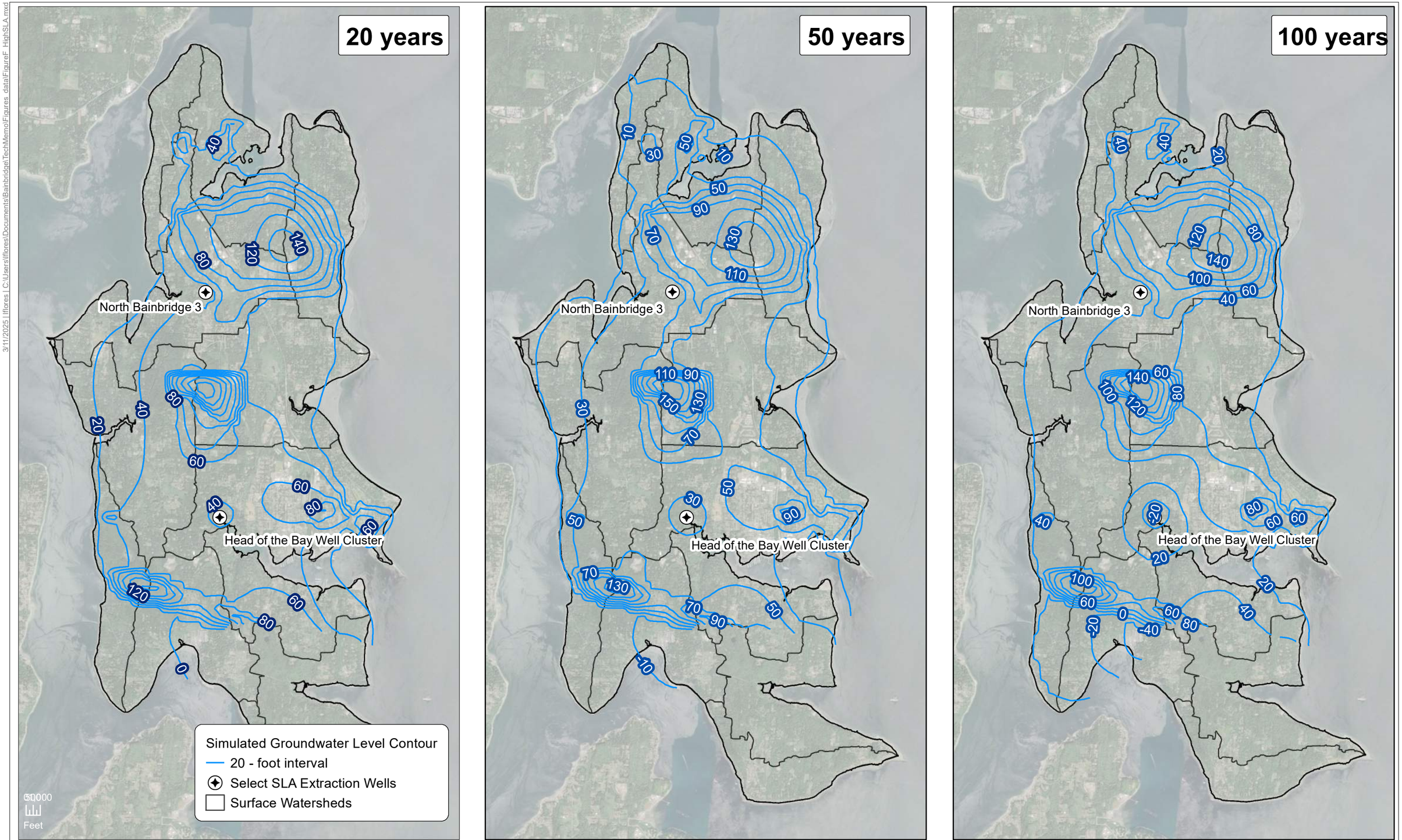

Simulated Groundwater Levels in SLA under Planning Scenario C Conditions

Figure 25

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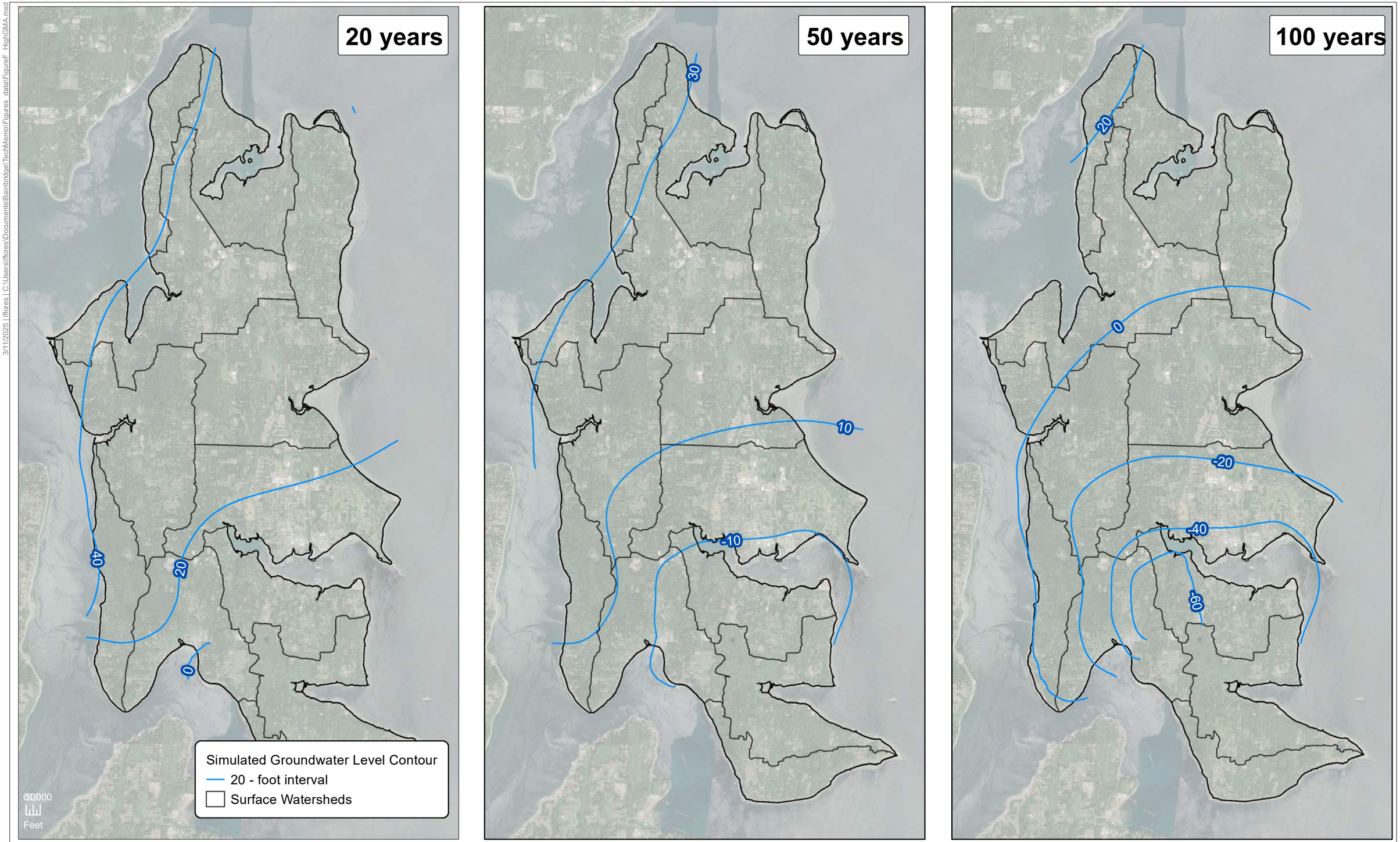

Simulated Groundwater Levels in GMA under Planning Scenario C Conditions

Figure 26

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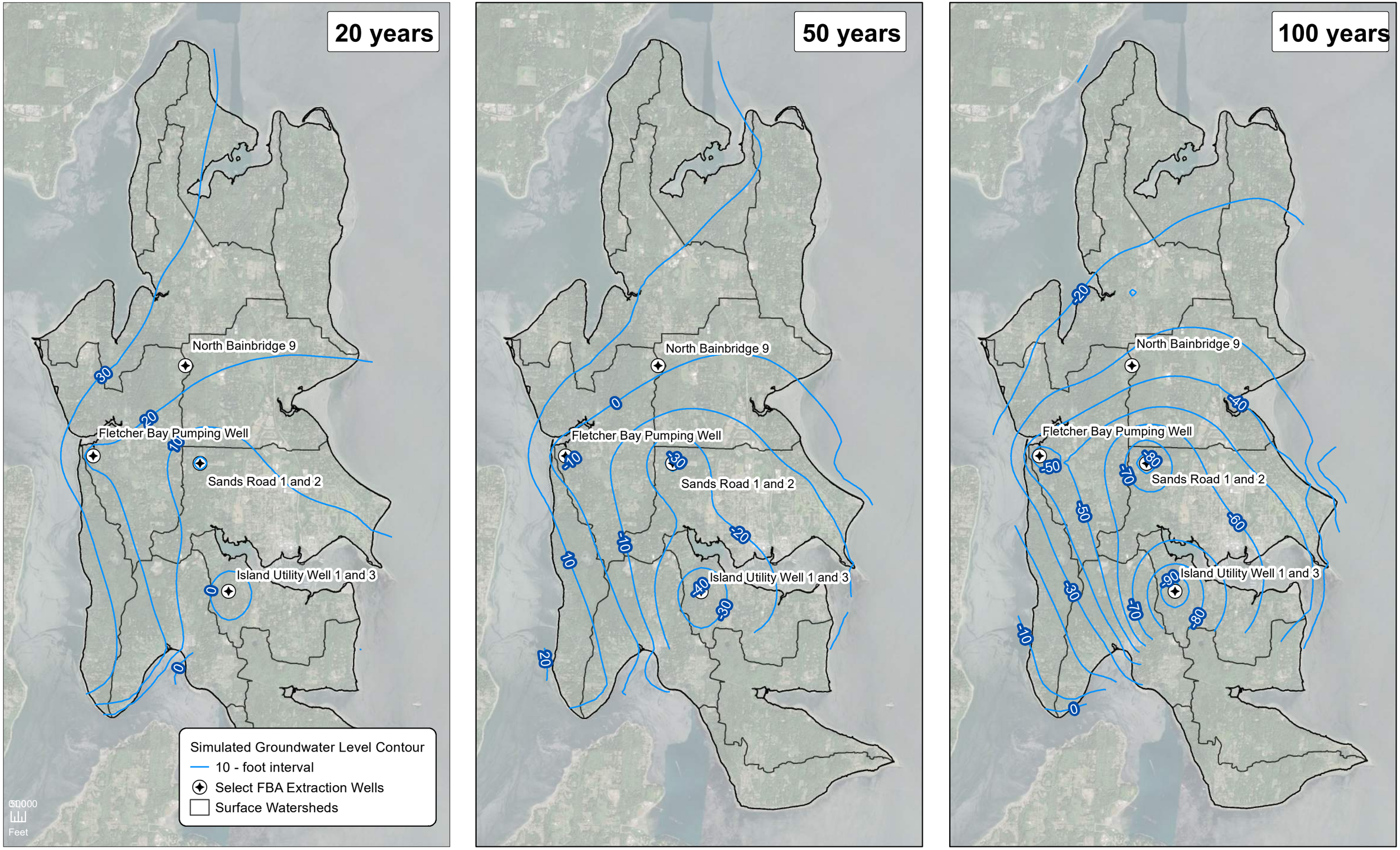

Simulated Groundwater Levels in FBA under Planning Scenario C Conditions

Figure 27

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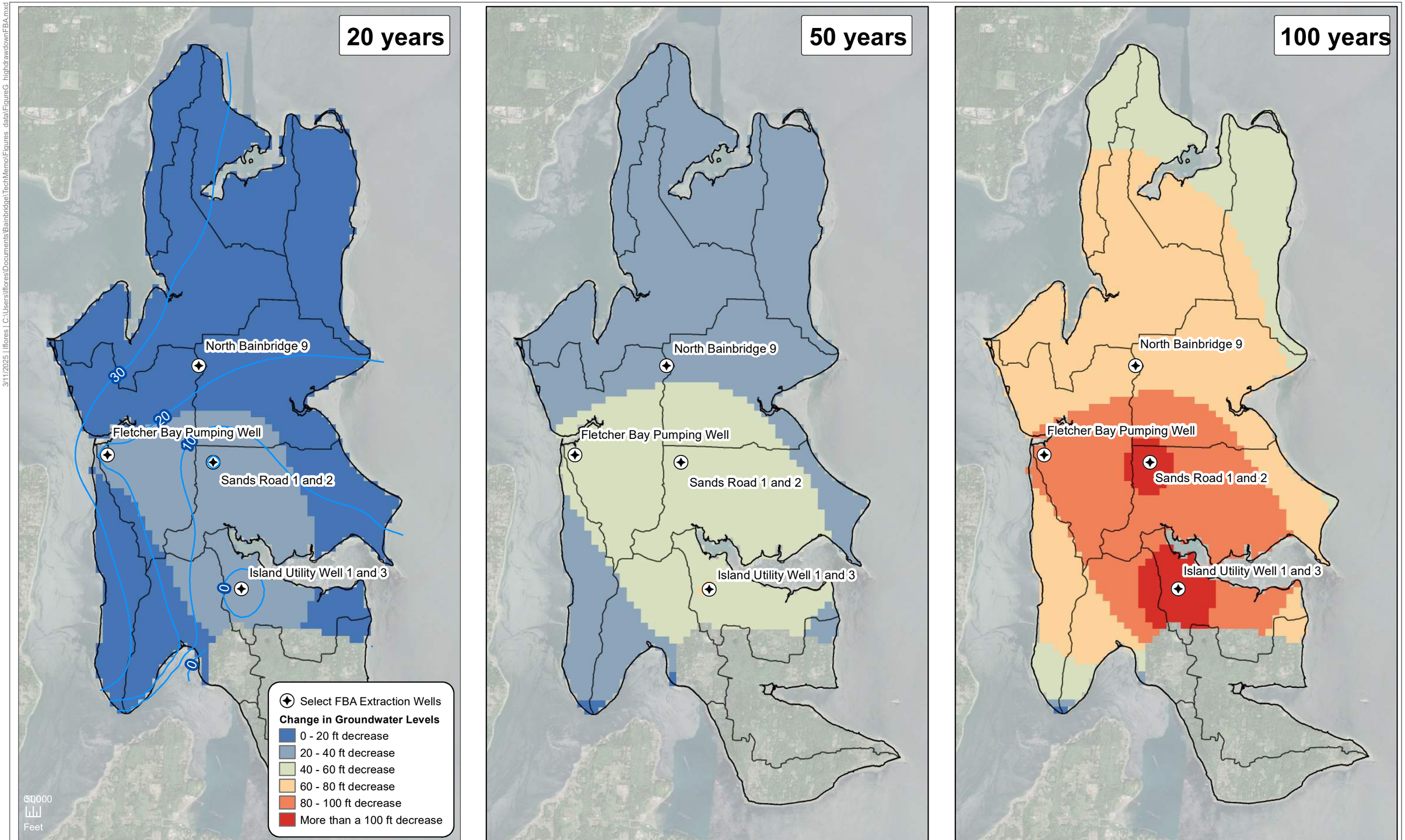

Simulated Drawdown in FBA under Planning Scenario C Conditions

Figure 28

6. CONCLUSIONS

With the development of the **2025 EA Model**, EA has provided COBI with a well calibrated groundwater flow modeling tool that simulates groundwater flow across Bainbridge Island. The structure of the model accurately represents the available aquifer system information and reasonably represents what is known of the aquifer flow properties. The impact scenarios provide reasonable estimates of possible future climatic and water use conditions based on available climate change studies and historic population and production changes. Based on this information, the Low Impact Planning Scenario probably represents the most likely future conditions, representing the 50% exceedance sea level rise, a minimal change in recharge, and the median population growth estimate. The Mid and High Impact Planning Scenarios represent the most conservative, yet reasonable, future conditions with both simulating the maximum estimated sea level rise and the high population growth estimate, and both simulating recharge reduction beyond what is predicted by CIG.

Impact scenarios show that under all simulated future conditions, the Qva is minimally impacted, primarily due to the absence of large water system extraction and the increase in return water associated with increased production offsetting recharge reduction. The SLA is negatively impacted in two locations centered around water system well fields located close to the shoreline, the Head of the Bay wellfield and the South Bainbridge wellfield. Groundwater elevations around the South Bainbridge wellfield are estimated to fall below sea level by year 50 in all three impact scenarios. Groundwater elevations around the Head of the Bay wellfield are estimated to fall below sea level by year 100 in the Low and High Impact Scenarios. Groundwater levels below sea level suggest the potential for sea water intrusion exists which may eventually impact water quality for these water systems.

The impact scenarios also show a significantly greater drawdown in the deeper GMA and FBA units associated with the estimated increased production for the North Bainbridge, COBI, and South Bainbridge water systems. Drawdown is centered around the Sands Road and Island Utility wellfields. While the estimated drawdown does not threaten to dewater these units, it does increase the potential for sea water intrusion. However, both hydrogeologic units are separated from Puget Sound sea water by thick aquitards composed of clays and silts that will inhibit the vertical intrusion of sea water. The model cannot simulate the migration of chloride concentrations over time, it only suggests that the potential for sea water intrusion exists under the future conditions.

The **2025 EA model** described in this technical memorandum was used to simulate potential groundwater conditions under different climate and population growth scenarios. These results are presented to improve the understanding of groundwater resources on Bainbridge Island and should not be interpreted as “the future.” There are large uncertainties both in how climate change will impact the hydrologic cycle (sea level rise and the interactions between precipitation and recharge) and how populations will change on Bainbridge Island over the next 100 years. Even if these parameters could be forecasted without error there would still be uncertainty in the results predicted by the groundwater model itself. *That is, the groundwater model is a useful but imperfect representation of reality that inevitably contains error*. It follows that the groundwater

model cannot provide interpretations or decisions on policy and planning; it can only provide one set of data to support those decisions.

The Bainbridge Island Groundwater Management Plan provides further interpretations and discussions related to the future planning of groundwater resources on Bainbridge Island.

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Appendix A
Supplementary Material

Figure A4 - Bainbridge Island Estimated Production Growth

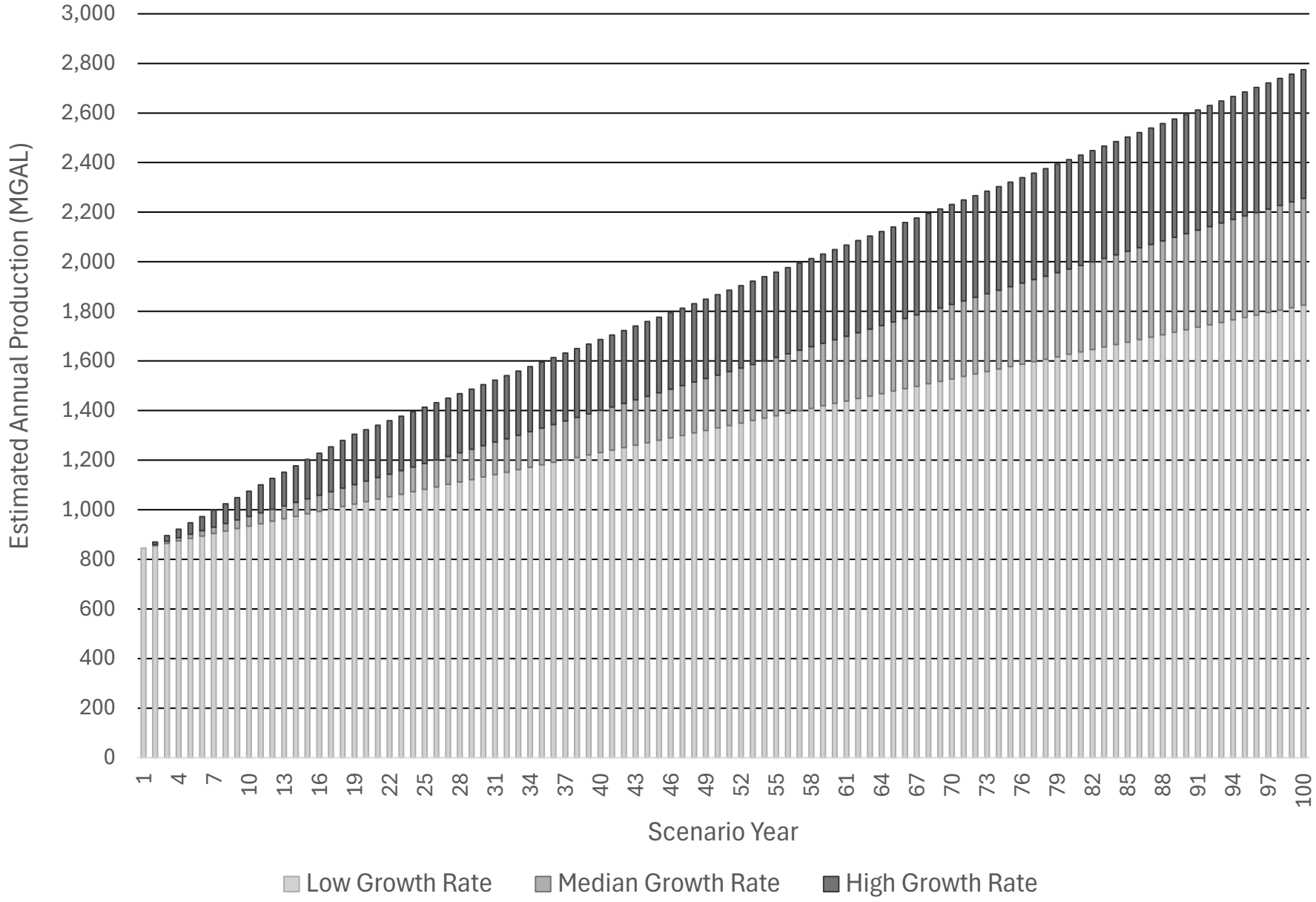


Figure A1 - Bainbridge Island Estimated Residential Population Growth

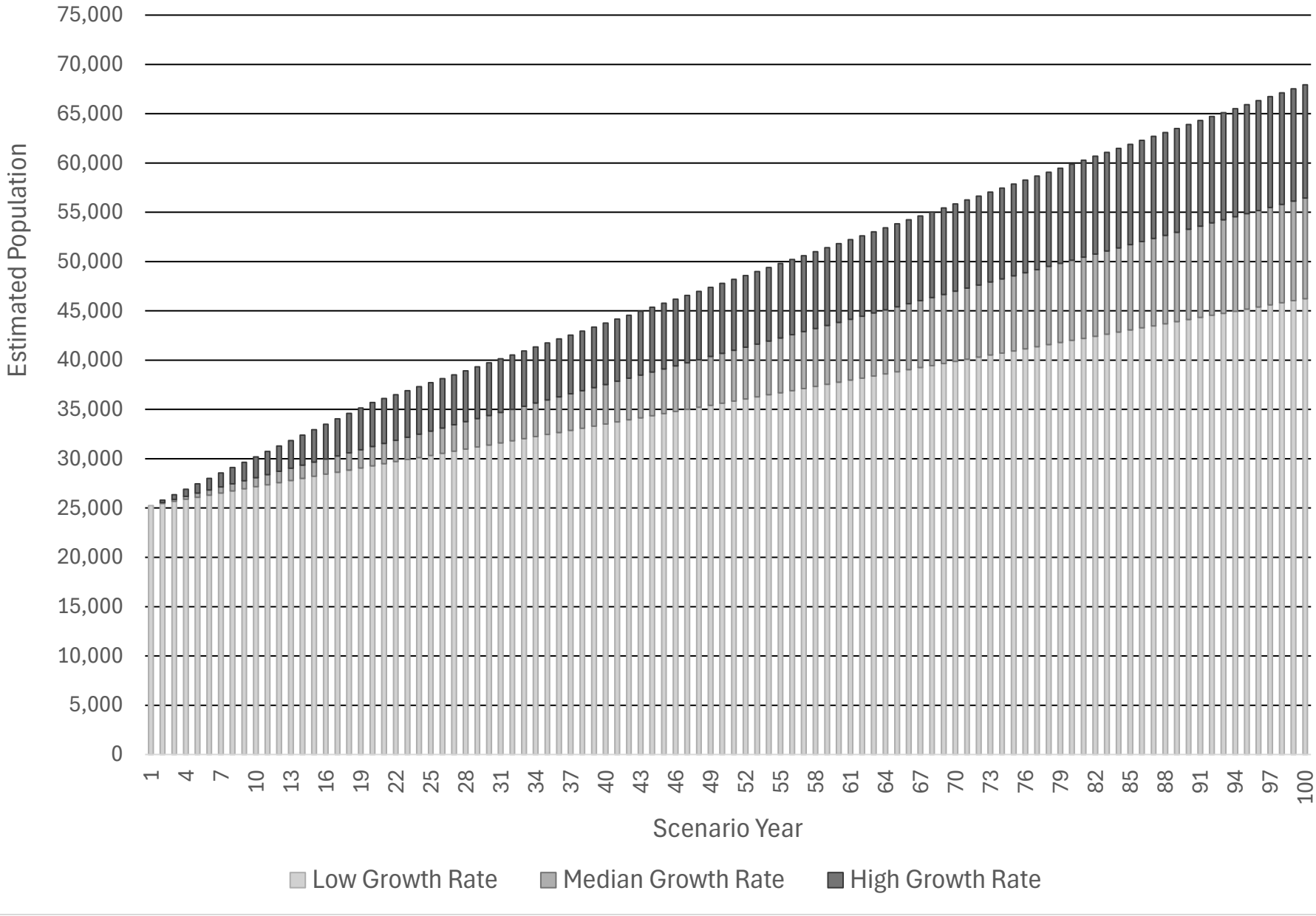


Figure A2 - Bainbridge Island Estimated Nonresidential Population Growth

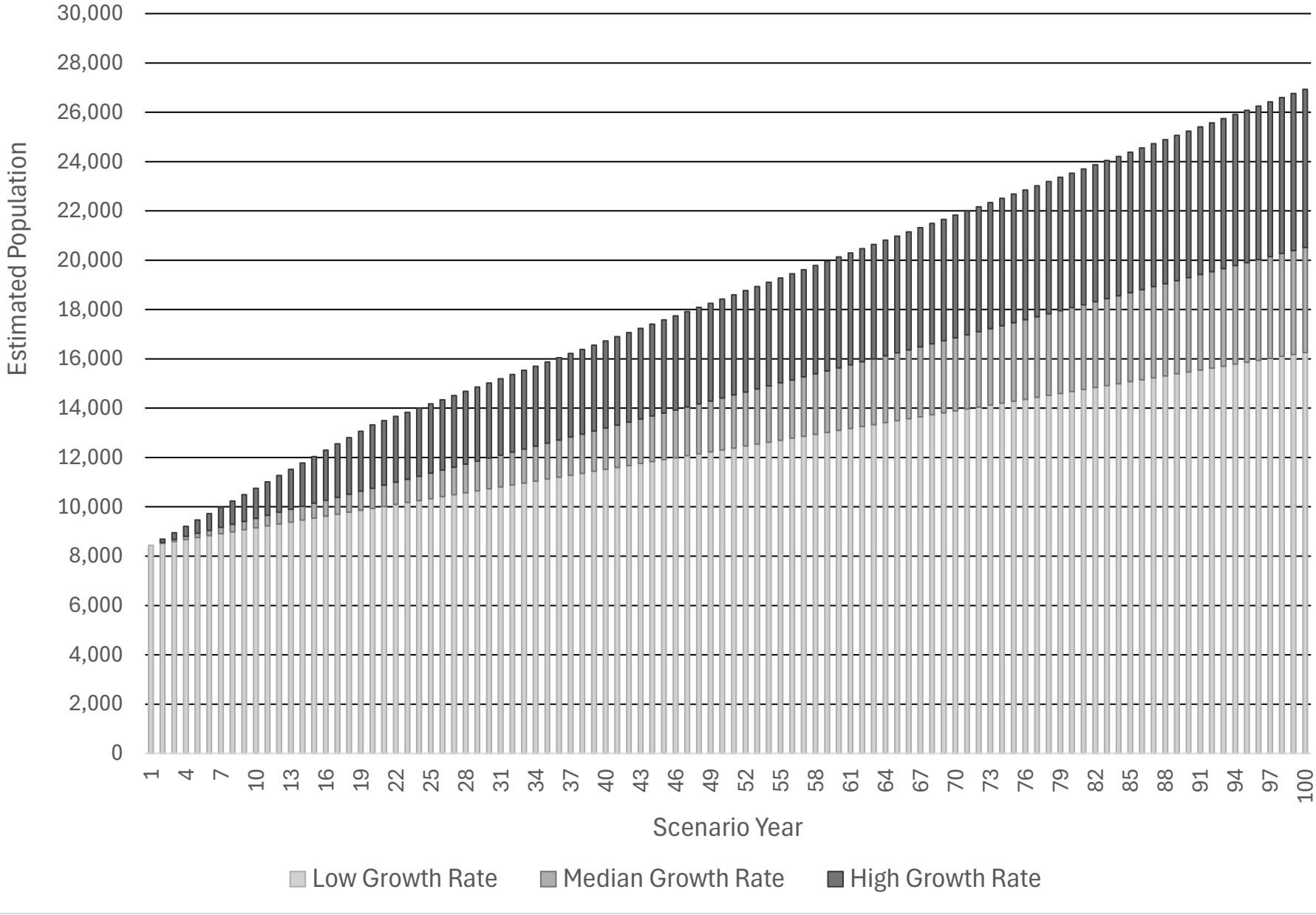
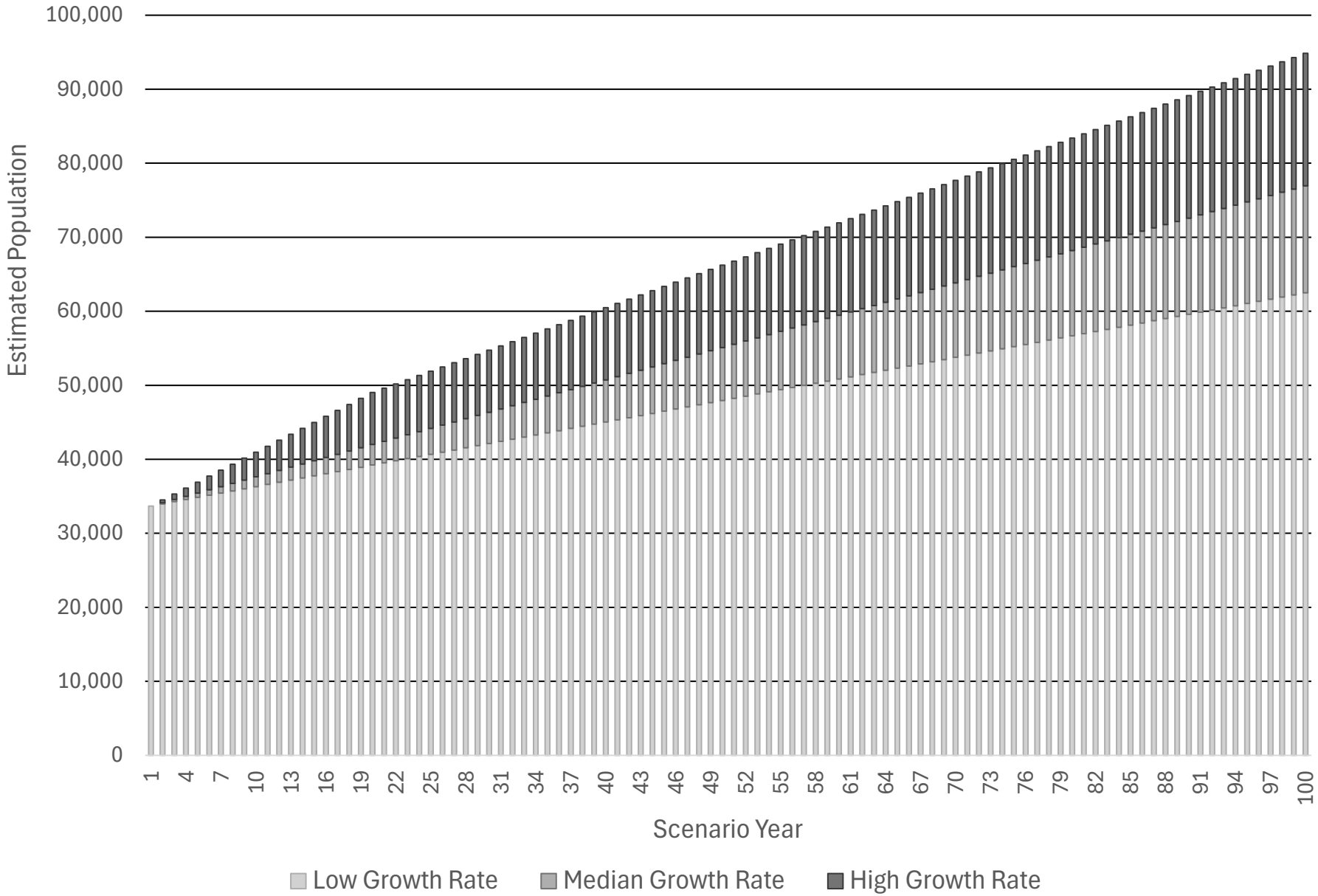


Figure A3 - Bainbridge Island Estimated Use Population Growth



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Groundwater Management Plan

Appendix L

Keta Waters Peer Review on Draft Groundwater Management Plan 2025

Technical Peer Review of the City of Bainbridge Island 2nd Draft Groundwater Management Plan

Prepared by

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December 26, 2025

A. BACKGROUND AND OBJECTIVES

This report presents our technical peer review of the Draft Bainbridge Island Groundwater Management Plan (GWMP) as described in the July 2025 report by EA Engineering, Science, and Technology (EA, 2025a). The overall goal of this review was to validate the methodology, assumptions, data sources, modeling, and proposed management actions in the plan. Specific objectives include the following:

- Evaluate the scientific soundness and technical accuracy of the plan.
- Assess the adequacy of groundwater data, hydrologic modeling, and demand projections.
- Identify any gaps, deficiencies, or areas for improvement.
- Assess the plan conclusions, next steps, and management actions.
- Provide constructive recommendations to enhance plan effectiveness and/or completeness.

Our overarching recommendation is that investment in actions aimed at proactive mitigation and management, including water conservation and recharge enhancement, will likely provide the greatest return for achieving an overall goal of providing clean and sufficient groundwater for the natural environment and future generations. Continued study and plan refinements are not expected to change the value or priority of these actions.

Additional conclusions and recommendations are summarized below. Further discussions and support for these conclusions and recommendations are provided in the sections that follow.

A.1 Conclusions and Recommendations Related to Goals and Actions

- The GWMP would benefit from a clear and concise statement of the overall goal of groundwater management on Bainbridge Island. The groundwater management plan should then provide recommendations for specific actions aimed at achieving the goal of groundwater management. The current report (e.g., Section 1.2) does not clearly distinguish between the overarching goal and recommended actions for achieving that goal. Based on discussions and analyses presented in the GWMP, an overarching goal may be something to the effect of "Ensure clean and sufficient groundwater for our natural environment and future generations."

- The GWMP identifies water conservation as the most cost-effective management action. This is an important conclusion; improving water conservation and reducing ground water pumping will lead to a more resilient system and does not rely on correct groundwater modeling nor certain futures, neither of which are attainable.

- The GWMP identifies managing storm and surface water as a second-most cost-effective management action. This type of management action can complement increased conservation; improved surface management can enhance groundwater recharge while protecting water quality. More broadly, we would re-state that a second key management option for improving the resilience of the system is to implement infrastructure and policy that will maximize clean groundwater recharge.

- A primary flaw of the second draft of the GWMP, in our estimation, is that it focuses on groundwater model development and future climate scenarios which can offer no meaningful guidance on how to improve water conservation and increase recharge through surface water and land use management.

- Given the cost-benefit analysis identifies water conservation as the best approach, it is surprising that there is no meaningful engagement with the problem of how to achieve water conservation, and no tangible management actions are identified related to water conservation.

A.2 Conclusions and Recommendations Related to Addressing Uncertainty

- There are inherently large uncertainties in recharge estimates developed for current conditions. The draft GWMP does not acknowledge or explicitly consider those uncertainties. These uncertainties are magnified in estimating recharge under future climate conditions. The uncertainties in current and future recharge rates are not likely to be resolved in the foreseeable future and management actions should focus on developing resilient systems that are less dependent on estimated recharge.

- The plan includes descriptions of data gaps and uncertainties (e.g., Section 4.4.7) and suggests initiatives to address these. While the initiatives can generally be justified, it should be recognized that many of these data gaps and uncertainties are inherent – there is no amount of data collection or modeling that will fully resolve them. Decisions must be made in the face of these uncertainties. The best decisions and management options are those that are resilient in the sense that they are less sensitive to these uncertainties. Water conservation and recharge enhancement fall into this category.

- The inherent uncertainty in model predictions further supports investment in proactive mitigation and management actions that focus on system resiliency, including water conservation and recharge enhancement. These investments will likely provide the greatest return for achieving an overall goal of providing clean and sufficient groundwater for the natural environment and future generations, as compared to efforts aimed at additional modeling.

- Current groundwater elevation data and modeling do not provide definitive evidence that current and future groundwater withdrawals are unsustainable. However, current groundwater elevation data and modeling also do not provide definitive evidence that current and future groundwater withdrawals are sustainable. Increasing groundwater withdrawals increases the risk of unsustainability; decreasing groundwater withdrawals decreases the risk of unsustainability. The safest course of action from a risk perspective is the one with the lowest groundwater withdrawal.

A.3 Conclusions and Recommendations Related to Groundwater Recharge

- Recharge estimates are a fundamental component of groundwater management plans because the amount of water replenishing the aquifers dictates how much water can be sustainably pumped and used for years into the future. However, although the concept of recharge is relatively simple, we have no way of measuring it directly, and estimating it poses considerable challenges.

- The best practice to generate recharge estimates that will be useful for management purposes is to use a range of estimation methods (e.g. multiple land surface models)—each of which makes different assumptions about the factors that determine recharge—and generate a range of possible recharge rates.

A.4 Conclusions and Recommendations Related to Groundwater Model Development

- The EA 2025 model (EA, 2025b) describes a groundwater flow system under current conditions that has important differences compared to two earlier models developed by the USGS (Frans and Olsen, 2011; Frans et al., 2016). In particular, the EA 2025 model describes a system where most groundwater inflow to deeper aquifers occurs as lateral or horizontal flow from off-island sources, while in the two USGS models most inflow occurs as vertical flow from above. This difference has important implications in terms of future impacts from pumping in these deeper aquifers.

- The EA 2025 model does not explicitly include streams, wetlands, or lakes. This severely limits the usefulness of the model for estimating impacts of groundwater pumping on individual streams and wetlands.

- Either of the two earlier USGS models will provide more defensible estimates of impacts of groundwater pumping on groundwater levels in deeper aquifers and on surface water features (e.g., streams, wetlands, and lakes), as compared to the EA 2025 model. This is because of changes that were made to the way geological layers are incorporated and described in the model and to the way groundwater/surface water interactions have been excluded in the model.

- Groundwater recharge is not calculated in the USGS or EA groundwater flow models. Rather, recharge is estimated externally from the model and is then incorporated as input to the model. The general method used to estimate recharge in the EA 2025 model is the same as what was used in the earlier USGS models and the recharge rates in the EA 2025 model are the same as what was used in 2016 USGS model (Frans et al., 2016).

- The approach used to estimate recharge provides estimates of annual recharge rates. These annual recharge rates are calculated based on annual precipitation rates. The recharge estimates do not depend on how that precipitation is distributed throughout the year.

- The annual recharge rates used in the groundwater model are partitioned among the different months the same way for all years, regardless of when the precipitation occurs. For example, the recharge that is assigned to April is always 12% of the annual recharge and the recharge assigned to November is always 6% of the annual value.

A.5 Conclusions and Recommendations Related to Groundwater Model Calibration

- The EA 2025 model was calibrated using a trial-and-error approach in which calculated groundwater elevations were compared to observed elevations. A comparison of calculated and observed flows was not done, in large part because there are no streams included in the model. It is generally recommended that data of different types (e.g., flow data and water level data) should be included in the calibration process to the extent possible (e.g., Hunt et al., 2005).

- The approach used to calibrate the EA 2025 model often results in non-unique parameter estimates. This means that different sets of input parameters (e.g., different combinations of variables describing hydrogeology) can give similar model calibration results, but very different results for future management options. This should be explicitly considered in assessing model scenarios.

A.6 Conclusions and Recommendations Related to Groundwater Model Application

- The groundwater model is used to estimate future groundwater levels under three different scenarios. These estimates are not directly incorporated into any management decisions. Rather, the model results simply show that reducing recharge and increasing pumping rates result in larger water level declines and that these declines increase over time (see Table ES-1, page ES-6). No targeted levels of allowable water level declines have been developed or proposed.

- The groundwater model is used to simulate water levels 20, 50, and 100 years in the future. In none of the scenarios do water levels reach equilibrium. It would

be a relatively simple task to run the model in steady-state mode to estimate what the equilibrium levels would be for different combinations of recharge rates and groundwater extraction rates. These steady-state simulations can be completed much more efficiently than the transient simulations described in the current GWMP.

- An advantage of steady-state simulations is that they can be used to help identify the combinations of groundwater recharge and groundwater extraction that will be sustainable for future generations. Those combinations that are sustainable can then be used to help identify which management options are needed to achieve the targeted levels of recharge and extraction.

A.7 Conclusions and Recommendations Related to Demand Projections

- Estimates of current groundwater withdrawals included in the GWMP vary significantly, depending on the section of the plan (see Section C below (comments on GWMP excerpts) for more details). It is difficult to fully assess demand projections if current withdrawals are not well defined.

- Demand projections included in the GWMP were developed based on fixed assumptions regarding characteristics of population growth (e.g., density and distribution) and water use rates. Both population growth characteristics and water use rates can be controlled or impacted by available water supply. These relationships should be explored in the GWMP. Assuming an exponential growth model, as is done in developing population projections, is not sustainable for finite resources. This represents a significant management issue that has not been addressed in the GWMP.

B. SPECIFIC COMMENTS FROM THE TECHNICAL ADVISORY COMMITTEE AND THE GWMP PLAN SUB-COMMITTEE

The scope of work for this peer review explicitly included responding to selected comments provided by the city's Groundwater Management Plan Sub-Committee and Technical Advisory Committee on the first draft of the GPWM. These comments are listed in Table 1 and our replies are provided below.

Comment 154.

Table 1 on page 9 in the EA model memorandum shows that the upper three layers from the USGS 2016 model were combined and the bottom three layers were eliminated. The upper three layers included Qvr, Qvt, and Qva units (recessional, till, and advance deposits, respectively). The lower three layers included a clay layer and two bedrock layers.

Combining the upper three layers essentially reduces the impact of the till layer. Figure 4 shows the estimated distribution of till on Bainbridge Island (from Figure 9 in Frans et al., 2011). The till layers are described by Frans et al. as follows: "*The till is a very compact mix of sand and gravel in a clay matrix and is somewhat discontinuous due to erosion by streams*." These till areas likely affect the magnitude and distribution of impacts from shallow wells and the amount and discharge to streams and wetlands. The model as currently implemented has limited capability to simulate groundwater/surface water interactions, even if the layers had not been combined. These limitations are due in large part to the drain boundary conditions that are applied to all cells at the land surface in the model.

Combining the three top layers in the USGS 2016 model into a single layer does not likely affect the model's capabilities to a significant degree in terms of estimating water level declines in the deeper pumped aquifers.

Eliminating the two lower bedrock layers in the USGS 2016 model likely does not affect model results significantly. However, removing the clay basal unit and the water that is stored in it eliminates a potential source of water for the FBA aquifer. Even though the clay has low permeability, a significant amount of water can be produced by inducing leakage over the full area of a well's zone of influence. The results for vertical leakage into the FBA shown in Table 3 in Section E below suggest some seasonality to these inflows. A deeper clay unit could dampen these variations, but the effect may be small. It is not clear that much is gained in terms of model efficiency by removing this layer, as it is unlikely that it would cause any model stability issues.

Table 1. Selected comments provided by the Groundwater Management Plan Sub-Committee and Technical Advisory Committee

Comment #	Commentor	Document	Page/Sect.	Comment
154	Joel Purdy	Model Memo	9	• Combining aquifers and confining units seems problematic. How were parameters chosen? Consider adding more explanation on why this was chosen and the advantages/disadvantages. It looks like variable hydraulic conductivity values were used (based on the map). How were these chosen? Consider adding an explanation. • Does combining layers 1-3 render the surface water/ground water interaction of these layers moot? The Qva is the most significant contributor to streamflow.
274F	Keenan 1 of 2	Model Memo	10	Should be using best available science. Please reference Charlie Kratzer, PhD 2024 whitepaper on Recharge. Peer review should evaluate EAs assumptions. Numerous requests for documentation to verify EA was denied by EA and COBI
274H	Keenan 1 of 2	Model Memo	2	Peer reviewers please evaluate EA changes to the model.
274O	Keenan 1 of 2	Model Memo	9	(Peer Review - does this present any modeling issues?
274P	Keenan 1 of 2	Model Memo	9	Do these changes present any problems with modeling?
274Q	Keenan 1 of 2	Model Memo	9	"Does eliminating the Clay Basal Unit reduce understanding of the thickness of FBA in locations on the
275	Keenan 1 of 2	Model Memo	14	Peer review please verify these numbers.
281	Keenan 1 of 2	Model Memo	34	These assumptions need to be peer reviewed. Reference Charlie Kratzer 2024 Recharge white paper

283	Keenan 1 of 2	Model Memo	36	Evaluating future changes in recharge is more than just projected annual precipitation accumulation. This analysis requires peer review. Scenario parameters should consist of Low=0% change in recharge, Medium= 10% loss of recharge, and High 20% loss of recharge. Medium being the most statistically accurate. Table 6. Predicted Changes In Precipitation Between October And March (2010-
454	Online	Gen	N/A	The GWMP needs to include, evaluate, and address the following: (1) production and water level data from the main production wells on the Island for the entire period that such data is available; this critical data is not discussed in the current draft; it is needed to show the cumulative decline in water levels in all aquifers using all available historical data; (2) all available information on decreased streamflow and degraded water quality in all BI watersheds; we have a responsibility to maintain adequate surface water for flora, fauna, wetlands, natural systems, etc., in addition to maintaining sustainable water supply for human needs. (3) get independent, high-quality peer review input on the questionable Scenario parameters used, e.g., the "Low Impact Scenario" (which the Draft deems "the most likely") uses a 0% change in aquifer recharge across the entire 100 year period, despite likely increases in temperatures and evapo-transpiration, and the increase in impervious surfaces and run-off due to increased development. Seems like a flawed parameter calculated to understate potentially adverse impacts on water supply. Same with 122% increase in pumping input. On Recommendations: (1) increase number of wells monitored in all aquifers, including near shoreline for seawater intrusion; (2) increase monitoring of streamflow and begin watershed rehabilitation in all watersheds; (3) require all new construction to estimate water use and identify adequate available source.

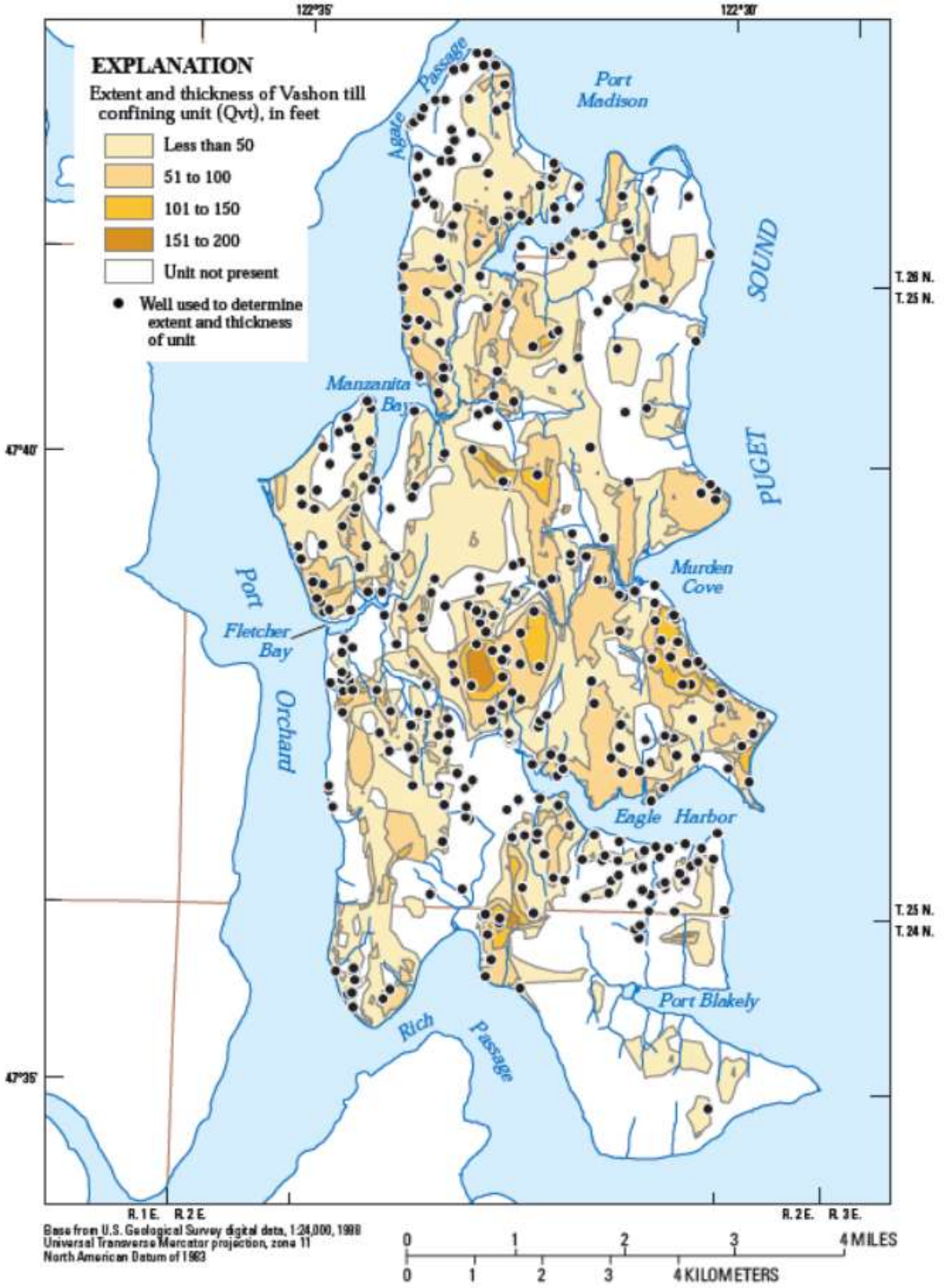

Figure 4. Distribution of glacial till (Qvt). From Figure 9 in Frans et al. (2011)

Comment 274F.

We have evaluated assumptions and methods used to estimate recharge in Section E.

Comment 274H.

Aspect (2023) converted the USGS 2016 model from MODFLOW-NWT to MODFLOW-USG and EA then converted the model back to MODFLOW-NWT. Using MODFLOW-NWT is a reasonable choice for this application.

Aspect (2023) removed the streams, wetlands, and lakes from the USGS 2016 model to improve model stability and to reduce the runtimes required to complete model simulations. As noted in the previous section, this approach is not generally-accepted practice for developing models that are intended to describe groundwater/surface water interactSions. EA (2025) used this same approach for their modeling work.

EA disabled the Allow Automatic Flow Reduction function in the model. This enforces that extraction rates assigned to wells are always simulated unless the model fails to converge on a solution. This is a reasonable change for this model application.

EA also combined the top three layers in the USGS model and eliminated the bottom three layers. Our responses to Comment 154 speak to this issue.

EA modified the hydraulic conductivity values for aquifers and confining units. These modifications have changed the relative amount of vertical and horizontal inflow to the aquifers used for water supply. We address this topic in Section E.

Comment 274O.

Our responses to Comment 154 address the potential impacts from combining the top three layers

Comment 274P.

Our responses to Comment 154 address the potential impacts from eliminating the bottom three layers

Comment 274Q.

Our responses to Comment 154 discuss what role the basal clay unit may play in the groundwater flow system and how eliminating this role may impact groundwater model results.

Comment 275.

According to the EA modeling memo, the estimates of hydraulic conductivity included in their Table 2 were derived from pumping tests performed after well installation. We have not seen the data or analyses used to develop these estimates and are not able to verify the values listed in Table 2 in the EA modeling memo.

Comment 283.

We agree that evaluating future changes in recharge requires much more than evaluating changes in future annual precipitation. This is discussed in the previous section. It is difficult to identify which future recharge scenario is most likely or most statistically accurate. It is our assessment that while it may be more likely that recharge decreases in the future, there are also realistic scenarios that result in increased recharge.

Comment 454.

We agree that providing production and water level data from the main production wells on the Island would be useful (certainly more useful than the full set of well logs included in the current draft). Appendix D, the 2021 Early Warning Level Report, provides hydrographs for selected wells, and these are helpful.

It is not clear that all available information on decreased streamflow and degraded water quality in all BI watersheds should be included in the GWMP, but it would be helpful to provide a synopsis of this information and references and links to the relevant data sources.

We have provided input on scenario parameters, including recharge rates. We have also emphasized the importance of collecting data that constrain the variables and parameters that can be controlled or measured, including streamflow, water levels, and groundwater withdrawal rates.

C. COMMENTS ON SELECTED EXCERPTS FROM THE GWMP

The scope of work for peer review includes a task to provide a full list of comments and recommendations, identified by section. These comments and recommendations are provided below.

Page ES-2
The graphic shown on this page does not clearly distinguish between the overarching goal and recommended actions for achieving that goal. Ensuring clean and sufficient groundwater for our natural environment and ourselves is the goal. Developing community-wide understanding, reducing climate change impacts, and minimizing threats to water quality are actions taken to achieve that goal. Other actions that could be considered include data collection and data analysis, which would broadly include developing and improving groundwater models.

The primary purpose of Bainbridge Island's Groundwater Management Plan is to establish a comprehensive framework for cooperation between regulatory agencies and utilities to protect the island's EPA-designated Sole Source Aquifer system.
This statement of the primary purpose of the plan is not consistent with the contents of the plan.

Page ES-3
The plan addresses the impacts of development on both shallow and deep aquifer systems and calls for the implementation of comprehensive stormwater management practices.
The impacts of development on shallow systems have not been estimated in any reliable way. It is not possible to address the impacts without having a sense of what these impacts are.

In terms of conservation and management, the plan aims to mitigate a projected 7% increase in water use per house due to the projected longer, drier growing season.
There are no discussions in the plan about how this mitigation might be accomplished. There are no specific actions aimed at mitigation. There is also no justification for why a longer growing season would necessarily require residential homes to use more water. If the city is moving towards a more sustainable use of water resources, per-home and per-capita water usage could be decreased, regardless of changes to the growing season.

Page ES-4
Of this recharge, approximately 50-60% discharges to surface waters, 5-10% is withdrawn through well pumping, and 30-40% flows to the marine environment or eastward.
The basis for these estimates is not presented in the plan or in the groundwater technical memo (EA, 2025b). The groundwater model is not capable of developing reliable water balances, particularly for surface water features such as streams and wetlands. It is not clear how the 50%-60% estimate was derived.

An estimated groundwater withdrawal of 5%-10% of recharge corresponds to **683** to **1,367** acre-feet per year. The estimated groundwater production listed in Table 14 in EA 2025b is 845.7 million gallons per year, or **2,596** acre-feet/year. The total well pumping included in the EA 2025 groundwater model averages **2,313** acre-feet per year for the period January 2012 through December 2021 (from the model input files provided by COBI).

The combined water production of the City of Bainbridge Island, North Bainbridge Water Company, and South Bainbridge water systems in 2021 is reported as **1,757** acre-feet/year (Table 8, EA 2025b). The production from smaller public water systems is reported as **272** acre-feet per year (Table 9, EA 2025b) and the estimated water use for Group B systems is **112** acre-feet/year (Table 14, EA 2025). The estimated population on private wells is 4,789 (Table 13, EA 2025b) and their total estimated water use is **425** acre-feet per year or 79 gals/day/person (Table 14, EA 2025b). The combined total for all withdrawals **2,596** acre-feet/year (which includes 29 acre-feet/year from other miscellaneous withdrawals).

The modeling considered variations in recharge rates (down by as much as 20%)
The justification for a 20% reduction is not provided. This variation seems small relative to uncertainty in recent estimates of current recharge on Bainbridge Island (see Section D), and given uncertainties in future climate and land use changes. Running a simulation using a lower bound of physically-plausible future recharge is useful for planning purposes, but there is no evidence presented that this 20% reduction represents a lower bound on future recharge.

The modeling considered… significant increases in water production (up to 167%)
The purpose of this experiment should be clarified. There is no clear justification for such a large increase in water production, and increases in water production decrease the sustainability and reliability of the groundwater system. Increases in population could be offset by decreases in per-capita water use. On-island water use varies substantially (Table 2-9 on pg 2-65 of the GWMP). Exploring how the lowest water users use so much less water than the highest water users, and implementing policy based on that analysis to move the highest water users' consumption to be closer to the lowest water users' consumption could be a path toward reductions in per-capita water consumption.

Page ES-5
Groundwater drainage to surface water could decrease by as much as 40%, with implications for baseflows in streams and wetlands.
The basis for these estimates is not presented in the plan or in the groundwater technical memo. The groundwater model is not capable of developing reliable water balances, particularly for surface water features such as streams and wetlands.

Page ES-6, Table ES-1
Groundwater levels are simulated to decrease up to 6 feet after 100 years. Groundwater levels are simulated to be below mean sea level after 50 years around the South Bainbridge Wellfield.

How much above mean sea level are water levels under current conditions? If they decrease up to 6 feet after 100 years and if they are below mean sea level after 50 years, then they must be very close to seal level under current conditions. Is this true?

This is due to wells set in the FBA creating vertically induced drawdown in the aquitard separating GMA and FBA, ulitmately effecting both aquifers.
Check spelling (ultimately) and grammar (effecting).

Groundwater levels are simulated to decrease up to 50 feet after 100 years. After 100 years, drawdown of 80-100 feet is projected within 500 feet of Island Utility Wells 1 and 3. The area surrounding that zone is projected to drawdown between 60-80 feet.
The first sentence seems to be contradicted by the second. If the levels decrease up to 50 feet, then how can there be drawdowns of 80-100 feet?

Page ES-7, Table ES-1
Groundwater levels are simulated to decrease by 71 feet after 100 years. 80-100 feet of drawdown are simulated within approximately a 2,000 foot radius around Island Utility Wells 1 and 3 and approximately a 1,000 foot radius around Sands Road wells 1 and 2. The northern part of the island experiences less drawdown, 60 to 80 feet and 40 to 60 feet
Does the 71 feet refer to the average level over the Fletcher Bay Aquifer? This should be clarified. Otherwise, the first sentence again seems to be contradicted by the second.

Groundwater levels are simulated to decrease 5 feet after 100 years. However, the mean groundwater elevation within the Qva unit will still be projected to be nearly 100 feet above sea level, so the 5 foot decrease is relatively small.
A 5-foot decrease in water levels in the top layer of the model (which includes the Qvt and Qva units) could have devastating impacts on wetlands and streams. Is this an average level? It should also be noted that the model does not provide reliable estimates of impacts to the top model layer.

Groundwater elevations are simulated to decrease by 82 feet, 5 feet more than the Mid Impact Planning Scenario.
The reported water level decline for the mid-impact scenario is 71 feet after 100 years. There is no mention of 77 feet in any of the discussions regarding the mid-impact scenario.

Page ES-8
"...the North Bainbridge and South Bainbridge systems—both owned and operated by KPUD—potentially seeing increases of 61– 115% and 194–373%, respectively. These trends reflect increasing demand on the COBI system, particularly as more areas transition from individual wells or small systems to centralized service.
How much of the KPUD increases are due to users transitioning to centralized service, versus increases in per-user consumption, versus new water users (e.g., new development)? These distinctions are important: transitions to centralized service provide opportunities for improved collective sustainable management, while increases to per-

user consumption and/or the total number of water users leads to a less sustainable and resilient groundwater system.

To address these challenges, COBI has implemented comprehensive management strategies, including stormwater programs, groundwater management plans, and climate action initiatives…
Are there other groundwater management plans? If so, can these be referenced and summarized?

Page 1-1.
See comment regarding Page ES-2 above.

Page 1-3.
The GWMP was developed through a collaborative process involving residents, water purveyors, businesses, agriculture, local governments, and state and federal agencies.
Is there a missing word associated with agriculture?

Page 1-4.
As part of this obligation, Bainbridge Island must plan to accommodate 1,977 new housing units by 2044 while preserving groundwater sustainability, in accordance in accordance with the quotas imposed by the Washington Growth Management Act.
Is this a hard and fast requirement, or can it depend on available resources (such as water supply)?

Page 2-6.
*Permit-exempt uses **are water rights** with a priority date of first use, they just do not have to go through the permit-application process…*
Yes, this is correct.

Page 2-10.
Figure 2-4 is labeled as "Groundwater Rights" and yet it does not include permit-exempt wells (see comment on Page 2-6). The figure title should note this.

Page 2-11.
A recent search of the Ecology water rights database (Ecology 2025) indicates about 205 active permitted and certified groundwater rights with a cumulative instantaneous rate of 6,810 gpm and an annual quantity of 5,118 acre-ft/yr.
Does this include permit-exempt uses, which are water rights?

Page 2-14.
The Qa for KPUD's water systems is 1,466 AFY, based on current water rights across North Bainbridge, South Bainbridge, and consolidated systems such as Manzanita Heights and Sunset Hills.
The listed values for the individual systems total 1,376 AFY. Please check the math or explain the difference.

Page 2-16.
The pumping capacity and water rights are not sufficient to comply with COBI's supply reliability criteria.
The total annual water rights authorized for COBI is 4,399 acre-ft/yr and the total instantaneous rights is 4,957 gpm, according to text on page 2-11. The water production for the COBI in 2021 was 282 million gallons or 866 acre-feet/year, according to Table 8 in EA (2025b). What are the reliability criteria that are not being met by the available water rights?

Page 2-24.
While residential development increased in the 1970s, prompting additional clearing, it did not mark a major turning point; clearing has continued to the present day, sometimes irresponsibly.
This is an awkward sentence that is difficult to understand.

Page 2-26.
Several small wetlands are located throughout the island. Surface water drainage is generally via small spring-fed streams that discharge to Puget Sound. The streams are both permanent (about a dozen) and seasonal (approximately 40), and that permanent streams are fed by springs and seeps in the upper watersheds.
Maps available from the City's website show extensive wetlands and wetland complexes. Describing this system as "several small wetlands" is not accurate.

"Perennial" is typically used to describe streams, rather than "permanent."

Page 2-29
Stormwater runoff on Bainbridge Island is managed through a combination of built infrastructure and natural systems such as wetlands and streams) working together to reduce the discharge of pollutants to Puget Sound.
Delete).

Page 2-30.
Provide citation for Figure 2-13 and explain that it includes private wells. There are no references to Figures 2-12, 2-13, and 2-14 in the text.

Page 2-31.
On-site septic systems contribute to groundwater recharge, with amounts varying across the island. Overall, the contribution is estimated at less than 3 inches per year, equivalent to approximately 4,400 acre-feet annually—more than twice the volume of annual groundwater withdrawals, which total around 2,000 acre-feet.
This is misleading and confusing. On-site septic systems cannot contribute more than the total annual groundwater withdrawals. Three inches per year over the area of Bainbridge Island equals 4,445 acre-feet per year. The total inflow from septic recharge in the EA 2025 model for current conditions is approximately 1,251 acre-feet/year (from model files provided by COBI) or 0.84 inches/year. While 0.84 is less than 3, the way this is written is not informative.

Page 2-33.
Most of the Kitsap Peninsula is underlain by unconsolidated geologic deposits (loose materials like sand and gravel that allow water to flow in the pore space between grains), similar in hydrogeologic characteristics and sequence to those underlying Bainbridge Island. However, there is no evidence of hydraulic connection of aquifers within these similar geologic deposits.
Most of the unconsolidated deposits are highly compacted and not loose.
The EA 2025 model (EA 2025b) suggests significant groundwater exchange between deeper aquifers on Bainbridge Island and on the Kitsap Peninsula. The model and text should be consistent.

Page 2-34.
The major aquifers underlying Bainbridge Island are briefly described below in order of increasing depth and illustrated in illustrates the complex interlayering of aquifers (blue-green color) and confining units (tan and purple color).
This needs rewriting.

Page 2-37
Groundwater flows from areas of higher water levels (greater hydraulic pressure) to areas of lower water levels (lower hydraulic pressure). In an unconfined aquifer, the interface between the unsaturated and saturated zone is called the water table. Unconfined groundwater flow is usually more directly influenced by precipitation, recharge, and well pumping. In a confined aquifer all the aquifer material is saturated and groundwater flows in response to changes in the confining pressure of overlying layers (which can be of variable thickness and permeability). This response to changes in precipitation, recharge, and pumping are often more subtle than in a water table aquifer.
This paragraph is mostly wrong and should be rewritten by someone with a background in hydrogeology or groundwater hydrology.

It should be noted that evidence for the connection of these aquifers between Bainbridge Island and the rest of the Kitsap Peninsula is not conclusive, especially for the shallower Perched and Semi-Perched Aquifers.
The units described as the "shallower perched and semi-perched aquifers" are conclusively not connected with the Kitsap Peninsula.

The rate of groundwater flow depends on the permeability or interconnectedness of the pore spaces in the sediment or bedrock and the hydraulic pressure exerted by the water in the system. This relationship is characterized as hydraulic conductivity.
This is not what hydraulic conductivity is. Hydraulic conductivity is directly related to permeability, and does not describe the relationship between flow and pressure.

Table 2-4 shows the range of hydraulic conductivity values for key aquifers on Bainbridge Island, which reflect how easily groundwater can move through each unit. The Qva and QA1 aquifers have the highest values, indicating they are the most productive and important for water supply.

The productivity and importance of aquifers for water supply depend on more than hydraulic conductivity. The units with highest hydraulic conductivity are not necessarily the most productive or important.

Page 2-38.
The units listed on the columns should be ft/day.

Page 2-41.
The lake is not hydraulically connected to deeper aquifers such as the Qva, SLA, or FBA.
The basis for this statement is not provided. Based on the models that have been developed by both the USGS and EA, the lake is likely connected to these aquifers.

In addition to streams, ponds and lakes, wetlands cover an estimated 7% of the island (Kato and Warren 2001
Compare this statement to the statement page 2-26 that says "Several small wetlands are located throughout the island."

As shown, annual average recharge values range between 0 and 17 inches.
It should be noted that 0 inches of recharge occurs offshore. All locations on the island receive recharge.

Page 2-42.
A simplified water budget for Bainbridge Island recognizes that over the long term, the aquifer recharge and discharge is in a state of 'dynamic equilibrium' (Welc et al. 2014).

Page 2-43
This recharge is balanced by 6,836-8,203 acre-ft per year discharge to surface water (50-60%), approximately 683 acre-ft per year (5%) discharge via well pumping, and approximately 4,101-5,469 acre-ft per year (30-40%) discharging to the marine environment or to the west towards Kitsap Peninsula (2) (USGS, 2011).
It would be helpful if the document presented a consistent set of values, particularly for the amount that is extracted at wells. See comment regarding page 3-1.

The updated Bainbridge Island model did not include septic system return (Aspect 2015).
The relevance of this is not clear. The Aspect 2015 model is not used. Both USGS models and the EA 2015 model include septic recharge.

Page 2-44
Models are calibrated to observed conditions (including groundwater levels derived from fit for purpose monitoring networks) to evaluate the appropriateness of the assumptions and data used to construct the model (Reilly and Harbaugh 2004)
How does the model calibration described in the groundwater model technical memorandum evaluate the appropriateness of the assumptions and data used to construct the model?

"Output data and results are properly contextualized and interpreted"

It is not clear how the GWMP does this. We do not see how the GWMP contextualizes modeling data and results.

On Bainbridge Island, the groundwater budget was estimated using an updated version of the 2011 U.S. Geological Survey groundwater model (see discussion in Section 4.6.6).
There is no Section 4.6.6. A groundwater balance would be very helpful and should form the foundation for a groundwater management plan. THIS IS VERY IMPORTANT.

Page 2-45.
"*Solutions or outputs from the model may be non-unique*"
Additional discussions should be provided that describe how these non-unique solutions affect how the model results should be considered in management and policy decisions.

Page 2-47.
The 2016 Kitsap Peninsula groundwater model was supported by geological, hydrogeological, a water budget, land and water use, and climate (current and projected data) information described by Welch, Frans, and Olsen, 2016.
The reference year should be 2014.

Table 2-7 indicates approximately 40% decrease in groundwater drainage to surface water. This is an important finding that should be discussed. What are the limitations and assumptions?

Page 2-50.
With the development of the 2025 EA Model, EA has provided COBI with a well calibrated groundwater flow modeling tool that simulates groundwater flow across Bainbridge Island.
It should be noted that the model was calibrated by comparing observed and calculated water levels. It was not calibrated using flow data. While matching water levels is important, it does not eliminate the likelihood of non-unique models. This means that different sets of input parameters (e.g., different combinations of variables describing hydrogeology) can give similar model calibration results, but very different results for future management options. This should be discussed.

The Mid and High Impact Planning Scenarios represent the most conservative, yet reasonable, future conditions with both simulating the maximum estimated sea level rise and the high population growth estimate, and both simulating recharge reduction beyond what is predicted by CIG.
The CIG does not predict recharge. This is an important point to make. There are large uncertainties associated with recharge estimates.

Impact scenarios show that under all simulated future conditions, the Qva is minimally impacted, primarily due to the absence of large water system extraction and the increase in return water associated with increased production offsetting recharge reduction.
The model cannot reliably estimate impacts to the Qva because of the way the USGS model was modified in developing the EA model. These modifications include

combining the upper three model layers, eliminating boundaries that describe streams and wetlands, and assigning drain boundaries to all surface locations.

Page 2-52
The discussions on sea water intrusion should more fully explain that having water levels below sea level does not necessarily mean that sea water intrusion will occur. There can be conditions where water levels below the interior of the island may fall below sea level, and still be fully sustainable without sea water intrusion.

Seawater intrusion indicated by elevated chloride concentrations has been not been documented but may be possible in various locations on Bainbridge Island between 1957 and 2006.
This is an awkward sentence that is difficult to understand.

Page 2-64
...the Derby Downs and Islandwood Estates water system values are not reasonable for water use by ERU and are likely related to errors or other factors."
Why are these numbers not reasonable, and what are the "errors or other factors"? Water use is the part of the groundwater system humans have the most control over, and it could be the most certain quantity in the system with metering. Constraining the uncertainty on water use and understanding the factors that contribute to its variability across ERUs should be prioritized. That understanding can guide policy and infrastructure to reduce per-ERU consumption and improve the sustainability and reliability of the groundwater system.

Page 2-65
Table 2-9. Water Use by Public Water System on Bainbridge Island should be consistent with the water production tables included in EA 2025b. The total annual pumping listed in Table 2-9 adds up to 665 million gallons per year. According to the pie chart on Page 2-67, the private wells and Group B wells would therefore total 225 and 47 million gallons per year, for a grand total of 937 million gallons per year. The total reported in Table 14 in EA 2025b is 845 million gallons per year. This is a substantial difference that should be resolved.

Page 2-73
The City of Bainbridge Island Climate Action Plan (COBI 2020) described the impacts of climate change relevant to Bainbridge Island in terms six areas (temperature, precipitation/extreme weather, sea level rise, vegetation changes, ocean acidification, and slope stability). Three of these areas potentially impact the groundwater system: increasing temperature, projected changes in the timing and intensity of precipitation, and sea-level rise."
Changes in vegetation will certainly impact the groundwater system through evapotranspiration and recharge.

Page 2-74
In 2023, the COBI selected a consultant to conduct a Sea Level Rise Flooding Vulnerability and Risk Assessment for the Island. This project will result in an online

GIS-based map showing existing and future flood vulnerability. The final report will inform capital facilities planning for the 2024 Comprehensive Plan Periodic Update and summarize vulnerabilities for future adaptation efforts. Deliverables from this project are due by June 2024 (CAP 2024).
Has this assessment been finalized? If so, what are the results?

Page 3-1
Groundwater model was updated (latest data, groundwater/surface water interaction, climate change impacts).
This is misleading. The current model cannot reliably simulate groundwater/surface water interaction under current or future climate conditions. The changes made to the USGS models in the EA 2025 model make it less reliable at describing groundwater/surface water interactions.

Approximately 28% of groundwater discharge flows to streams, 53% moves to other natural features including the marine environment and deeper aquifers off-island, and 19% is extracted through wells. This understanding of the water budget helps inform sustainable management practices and future planning efforts.
Where are these numbers from? Note the following from page 2-43: "This recharge is balanced by 6,836-8,203 acre-ft per year discharge to surface water (50-60%), approximately 683 acre-ft per year (5%) discharge via well pumping, and approximately 4,101-5,469 acre-ft per year (30-40%) discharging to the marine environment or to the west towards Kitsap Peninsula." The difference in the estimated amount extracted by wells is large and should be accounted for.

Page 3-3
This comprehensive approach allowed for a thorough assessment of potential future conditions under different climate and population growth scenarios.
It is not clear that the three scenarios thoroughly or comprehensively describe future conditions. This should be tempered. There are many other realistic scenarios that have not been considered.

The Qva aquifer showed minimal impact under all scenarios, largely due to the absence of large water system extraction and the offsetting effect of return water (EA 2025).
The current model cannot reliably simulate groundwater/surface water interaction under current or future climate conditions. This must be discussed.

Page 3-4
Stream systems are also affected, with baseflow reductions of up to 0.3 cubic feet per second, particularly in the Fletcher Bay and Eagle Harbor watersheds.
What is the source of these estimates? The current model does not include streams or wetlands. How was this calculated?

This analysis reinforces the model's value as a management tool while providing more specific details about projected impacts and recommended mitigation strategies.

It is not clear how the model has been used as management tool. What mitigation strategies have been considered? How was the model used to assess these strategies?

Page 4-3
Water conservation and efficiency remain important priorities, with both systems implementing measures to reduce water loss and maintain sustainable operation (KPUD 2020).
What measures are implemented, and how much do they reduce water loss and maintain sustainable operation?

Page 4-9
Potential impacts extend beyond groundwater level declines. Model simulations predict approximately a 40% decrease in groundwater drainage to surface water.
What is the source of these estimates? The current model does not include streams or wetlands. How was this calculated?

Page 4-12
Peninsula production in shallower aquifers can intercept recharge that could otherwise migrate downward into the GMA and FBA systems (EA 2025).
We don't see where this is described in EA, 2025. Please provide a page number for reference.

Page 4-13
The interconnected nature of the aquifer systems means that land use decisions on Bainbridge Island have far-reaching implications for groundwater resources throughout the region. Computer modeling shows that groundwater withdrawals result in impacts to the broader hydrologic system (COBI 2024), affecting not just local water levels but also regional groundwater availability and quality.
The basis for this is not clear. The statement that land use decisions have "far-reaching implications for groundwater resources throughout the region" seems a little exaggerated.

Page 4-14
The COBI is actively working to address these challenges through the development of a Groundwater Management Plan, which includes updated modeling to assess potential impacts from anticipated population growth and climate change.
Isn't **this** the Groundwater Management Plan?

Page 4-15
These discussions seem out of place and repetitive of other sections.

Page 4-16
This results in about 58% of annual withdrawals returning to the groundwater system, leading to a net consumptive withdrawal of approximately 205 acre-feet per year, which represents only about 1% of the subarea's annual groundwater recharge quantity (KPUD 2020).

This suggests that recharge is 20,500 acre-feet/year over the "subarea". Total Bainbridge Island recharge is given as 13,673 acre-feet/year. What is the "subarea", and what other consumptive systems share that subarea?

At North Bainbridge Well #9, the FBA extends from 1,125 to 1,394 feet below ground surface, with a total thickness of 270 feet (EA 2025). Previous modeling efforts had overestimated the FBA thickness at 454 feet, which could have led to significant misinterpretations of available water supply.
This overstates the significance of whether the FBA is 270 feet or 454 feet thick at a particular location. The important hydrogeological parameter is transmissivity for confined aquifers, which is the product of thickness and hydraulic conductivity. Being off by a factor of two on thickness at a particular location is not that significant, when compared to uncertainties in hydraulic conductivity.

Over the next 100 years, water extraction rates are expected to rise by 2.2 to 3.3 times, depending on the growth scenario, placing significant pressure on the island's Sole Source Aquifers.
This suggests that water extraction rates are not something that can be controlled and moderated. Perhaps a caveat that says something to the effect of without comprehensive conservation efforts, then the rates may rise by X amount.

Page 4-17
while off-island activity, particularly from the Kitsap Peninsula, could further strain local resources due to shared aquifers.
This is somewhat speculative and perhaps not likely. Is it based on model results? What are the references to support this?

The technical memorandum underscores that these are not inevitable outcomes,
What technical memorandum? Please provide a reference.

Page 4-18.
Section 4.4.7, Identifying Data Gaps Affecting Groundwater Problem Assessment
This is an important section. These data gaps and uncertainties are inherent – there is no amount of data collection or modeling that will fully resolve them. Decisions must be made in the face of these uncertainties. The best decisions and management options are those that are resilient in the sense that they are less sensitive to these uncertainties. It would helpful to note this, and not only focusing on data gaps.

There are also significant knowledge gaps regarding aquifer connectivity, particularly between Bainbridge Island and the rest of the Kitsap Peninsula. The evidence for these connections is not conclusive, especially for the shallower Perched and Semi-Perched Aquifers.
The Perched and Semi-Perched Aquifers cannot possibly be connected to the peninsula, given that they are above sea level.

Page 4-20.

The increase in ET and longer growing season is not expected to significantly impact groundwater recharge because very little recharge occurs from precipitation during this part of the year.

A longer growing season in the Pacific Northwest has the potential for large impacts to recharge; when the growing season expands earlier in the spring and later in the fall, vegetation demand for water overlaps more with the PNW wet season and water availability, which can facilitate more ET than would occur otherwise. Also, a statement that ET has little impact on recharge when there is very little recharge occurring (e.g., during the peak summer) ignores the role of soil moisture state in modulating recharge throughout the year. ET in the middle of the summer depletes soil moisture, and that soil moisture depletion can delay fall recharge when the rain returns, because the soil column has more capacity to store water above the water table.

Page 5-30.

The 2025 EA Model represents an updated and refined version of a previously developed model, providing COBI with a well-calibrated groundwater flow modeling tool that simulates groundwater flow across Bainbridge Island. The model structure accurately represents the existing aquifer framework and reasonably reflects known aquifer flow properties. The impact scenarios offer reasonable estimates of potential future climatic and water use conditions, drawing from available climate change studies and historical population and production trends.

The model does not reliably describe groundwater/surface water interactions. These interactions will play an important role in assessing potential impacts for climate change and increase groundwater production. The description of groundwater flow in deeper aquifers is one possibility out of several and is not the definitive assessment. This paragraph should be modified to note the limitations.

Page 5-36.

Large drawdowns, especially if water levels drop below MSL for extended periods of time, are not a desirable condition in island aquifers used for municipal water supply because marine water can migrate into the aquifer degrading water quality.

This may be true for wells close to the shoreline, but it is not necessarily true for all wells. Wells can draw down water levels below sea level and still be fully sustainable in terms of not causing sea water intrusion.

Page 5-37.

Section 5.8 Aquifer Storage and Recovery (ASR)

It is unlikely that ASR would be feasible on Bainbridge Island. This approach requires a significant volume of de-watered aquifers to provide the necessary storage. The aquifers beneath Bainbridge Island are not expected to become dewatered in any likely scenario. Without this dewatering, ASR simply displaces existing water in the aquifers by pushing it outward. The net increase in available water is typically minimal in these types of systems.

Page 5-41.

Given that conservation is the highest priority management strategy, it is surprising that the description and discussion is so cursory. (The number of words devoted to conservation (607) is barely more than half the number spent discussing aquifer storage and recovery (1,122), an option that likely has very limited applicability to Bainbridge Island.

D. GROUNDWATER RECHARGE

Groundwater aquifers on Bainbridge Island are replenished by rain; however, not all rain that falls on the island will make its way into the aquifers. Rain can evaporate through the plants and land surface (**evapotranspiration**); it can **runoff** into streams, rivers, lakes, and Puget Sound; and it can be **stored** in the surface soil column or water features. The only rain that replenishes the aquifer—the recharge—is that which percolates through the bottom of the soil column. In short: recharge = rain - (evapotranspiration + runoff + storage).

Recharge estimates are a fundamental component of groundwater management plans, because the amount of water replenishing the aquifers dictates how much water can be sustainably pumped and used for years into the future. However, although the concept of recharge is relatively simple, we have no way of measuring it directly, and estimating it poses considerable challenges.

The most common method of estimating recharge relies on land surface models (Li et al, 2021). These models ideally create computational representations of each of the factors that contribute to recharge listed in the equation above, and they allow the user to experiment with how different parameters and environmental conditions—such as land-use change—impact recharge rates. However, each individual factor that contributes to recharge is far too complicated to represent completely accurately with a computer, so each model must make simplifications and assumptions about each factor, which will inevitably introduce error into the estimates it generates. Different decisions about these assumptions and simplifications lead to substantially different estimates in recharge magnitude. As an example, in Li et al (2021), long term average recharge estimates in the Northwestern U.S. varied by over a factor 3 (106-333 mm/yr) depending on the model used.

Given this uncertainty in estimating recharge, the best practice for management decisions is to use multiple land surface models—each of which makes different assumptions about the factors that determine recharge, with varying input data and parameters, to generate a range of possible recharge rates. Vashon Island bases management monitoring on such a range of estimated recharge of 5-17 in/yr (Vashon Maury Island Groundwater Protection Committee, 2010); while it is beyond the scope of this comment to assess Vashon Island's methods in generating this range, the important point is that a range of possible values is generated, presumably with strong physical and/or observational support. This range acknowledges the inherent uncertainty that goes into estimating recharge, and it provides managers with enough information to make decisions within that uncertainty.

The current management plan for Bainbridge Island is flawed in that 1) it uses a single number for estimated recharge—~9.3 in/yr—instead of a range, 2) that number varies from previous recharge estimates without acknowledgment or explanation of the difference, and 3) that number is derived from a method that introduces additional simplifications and assumptions to those used in the land surface models described above (two paragraphs previous). Because of these flaws, the estimated recharge in the current

GWMP is unlikely to be correct, fails to responsibly capture the uncertainty inherent in estimating recharge, and renders the model into which it is fed fundamentally incapable of quantifying how changes in land-use, precipitation, temperature, radiation, or atmospheric aridity may impact recharge. The absence of reliable estimates of recharge rates and a lack of understanding of what controls these rates limits the usefulness of the GWMP for making informed decisions about sustainable water use on Bainbridge Island.

However, it is important to highlight that—even if you do not use the method described above to generate a plausible range of estimated recharge rates, which is admittedly resource-intensive—it is perfectly reasonable to guide decisions about management based on the known relative impacts of various factors on recharge. The Vashon-Maury Island Ground Water Management Plan (1998) uses this approach:

"Residential low-density development can ***reduce recharge by 30 percent*** *from previous forest cover. Rural pastures also reduce recharge, but their amount has not been estimated because hydrologic parameters have not been developed. (Hartley, David M., King County Surface Water Management, unpublished memo, August 29, 1995.) In addition, any reduction in the water supply to the till layer will reduce the* ***recharge to regional ground water by as much as 17 percent in areas with 30 percent impervious surface and 70 percent lawn area*** *(Wigmosta, et. al., 1994). This is because the topsoil above the till layer that provides the sponge-like effect to keep the till constantly supplied with water would be removed."* (emphasis added)

Here, even though recharge is not quantified with specific values, the authors discuss the evidence-based relative impact of land use decisions on recharge and acknowledge where current understanding is incomplete, as is the case for transitions from forest cover to rural pastures. A similar approach would be appropriate on Bainbridge Island given that, regardless of what the recharge rate actually is, sound management policy will take steps to maximize it as much as possible relative to current conditions.

E. GROUNDWATER MODEL OVERVIEW

The groundwater model used to support the GWMP is described in EA 2025.[1] This model is a descendant of two previous models that were developed by the U.S. Geological Survey: the 2011 USGS model as described in Frans et al. (2011) and the 2016 USGS model as described in Frans and Olsen (2016). The 2011 model focuses specifically on Bainbridge Island while the 2016 model considers all of Kitsap County, including Bainbridge Island.

The EA 2025 model describes a groundwater flow system under current conditions that has important differences compared to the earlier 2011 and 2016 models. In particular, the EA 2025 model describes a system where most groundwater inflow to deeper aquifers occurs as lateral or horizontal flow from off-island sources, while in the USGS models most inflow occurs as vertical flow from above.[2] This difference has important implications in terms of future impacts from pumping in these deeper aquifers, as described in more detail in sections that follow.

A second major difference between the EA 2025 model and the earlier 2011 and 2016 models revolves around how groundwater/surface water interactions are described. The 2011 and 2016 models explicitly include streams, wetlands, and lakes and can be used to estimate how changes to the groundwater system affect these features. The EA 2025 model does not include streams, wetlands, or lakes. Instead of these features, "drains" are assigned to the land surface across the full model area. These drains remove water from the model if the calculated water level approaches the elevation of the land surface. This severely limits the usefulness of the model for estimating impacts of groundwater pumping on individual streams and wetlands.[3]

Water Balances

A comparison of water balances among the three models shows important differences between the EA 2025 model and the previous USGS models in terms of groundwater movement. The water balances described below are based on estimates derived for 2008. This is the last year included in the 2011 USGS model and was also the year used to illustrate water balances in the 2011 model.

[1] The file name for the model that was provided as part of the peer review package is entitled "cobi_nwtmodelv2_9layersR2_edits13024.gwv" with a time stamp of 4/12/2024.

[2] The deeper aquifers are referred to as the QA1, QA2, and QA3 hydrogeologic units. On Bainbridge Island, these hydrogeologic units correspond to the Sea-level aquifer (SLA), the glaciomarine aquifer (QA2), and the Fletcher Bay aquifer (QA3).

[3] The streams, wetlands, and lakes were removed from the model to improve model stability and to reduce the runtimes required to complete model simulations. This approach is not a generally-accepted practice for developing models that are intended to describe groundwater/surface water interactions.

Table 2 compares horizontal and vertical inflow and outflow for the three deeper aquifers on Bainbridge Island. Outflow from wells and the overall change in the amount of water stored in each aquifer during 2008 are also included.[4] The results included in Table 2 show that while the overall net inflows to each aquifer are similar (as shown in the last row), the source of these inflows is significantly different (particularly for the QA2 and QA3 aquifers. The USGS 2011 model shows much more vertical inflow.

Table 2. Horizontal and vertical flow in aquifers for 2008 as depicted in the USGS 2011 and EA2025 models. All values are acre-feet per year.

	Aquifer					
	QA1 (SLA)		**QA2 (GMA)**		**QA3 (FBA)**	
	EA 2025	USGS 2011	EA 2025	USGS 2011	EA 2025	USGS 2011
Horizontal inflow	292	302	422	200	714	364
Horizontal outflow	3,024	5,011	407	1,464	212	612
Vertical inflow	**4,582**	**7,918**	**409**	**2,290**	**360**	**1,057**
Vertical outflow	917	2,369	357	983	21	-81
Wells	936	1,057	67	44	841	890
Storage change	2	-2	-1	-1	0	0
Net horizontal	-2,732	-4,709	15	-1,264	502	-248
Net vertical	**3,665**	**5,549**	**53**	**1,307**	**339**	**1,138**
Overall net	**933**	**840**	**68**	**43**	**841**	**890**

Table 3 shows monthly recharge rates and inflows through the top of the three aquifers on Bainbridge Island for the USGS 2011, USGS 2016, and EA 2025 models on a monthly basis.[5] This table shows that while recharge rates are similar for the USGS 2016 and EA 2025 models, the amount of vertical inflow to the QA2 and QA3 aquifers is significantly less in the EA 2025 model as compared to both the USGS 2011 and USGS 2016 models.

[4] The 2008 results were used in the comparison for several reasons. First, 2008 was the most recent year simulated using the USGS 2011 model. The recharge estimates developed in the USGS 2011 model were also based on streamflow measurements collected in 2008 and the report describing the USGS 2011 model (Frans et al., 2011) included water balances for 2008.

[5] The recharge rates listed in Table 3 are discussed in more detail in the subsection below entitled "Recharge as model input."

Table 3. Recharge rates and vertical inflow to aquifers for 2008 as depicted in the USGS 2011, USGS 2016, and EA2025 models. All values are inches per year.

		Recharge (inches)				Inflow through aquifer top											
Date						**QA1**				**QA2**				**QA3**			
		USGS 2011	**USGS 2016**	**EA 2025**		**USGS 2011**	**USGS 2016**	**EA 2025**		**USGS 2011**	**USGS 2016**	**EA 2025**		**USGS 2011**	**USGS 2016**	**EA 2025**	
Jan-08		2.23	1.43	1.41		0.469	0.456	0.256		0.124	0.114	0.022		0.036	0.034	0.017	
Feb-08		2.18	1.40	1.17		0.442	0.426	0.241		0.117	0.106	0.021		0.033	0.031	0.016	
Mar-08		1.89	1.20	0.94		0.466	0.446	0.257		0.126	0.118	0.022		0.036	0.035	0.015	
Apr-08		1.44	0.90	0.30		0.444	0.418	0.247		0.123	0.114	0.020		0.035	0.036	0.016	
May-08		0.54	0.30	0.00		0.432	0.392	0.256		0.126	0.114	0.021		0.036	0.038	0.020	
Jun-08		0.09	0.00	0.00		0.455	0.349	0.248		0.139	0.104	0.020		0.035	0.037	0.026	
Jul-08		0.09	0.00	0.00		0.403	0.365	0.278		0.123	0.103	0.023		0.036	0.042	0.039	
Aug-08		0.09	0.00	0.00		0.397	0.357	0.278		0.122	0.097	0.023		0.036	0.036	0.036	
Sep-08		0.09	0.00	0.00		0.381	0.341	0.266		0.117	0.090	0.022		0.034	0.032	0.025	
Oct-08		0.09	0.00	0.47		0.391	0.328	0.251		0.119	0.088	0.022		0.035	0.027	0.013	
Nov-08		0.76	0.45	1.89		0.400	0.353	0.240		0.115	0.088	0.021		0.034	0.026	0.009	
Dec-08		2.90	1.88	2.03		0.517	0.460	0.254		0.140	0.103	0.022		0.035	0.029	0.011	
Annual total		**12.40**	**7.58**	**8.22**[a]		**5.20**	**4.69**	**3.07**		**1.49**	**1.24**	**0.26**		**0.42**	**0.40**	**0.24**	

[a]The recharge values assigned in the EA 2025 model appear to occur one month earlier than they should. For example, the recharge assigned to May (0 inches) is the value that should be assigned to June. If the recharge values are shifted to the correct months, the total annual recharge during 2008 in the EA 2025 model is 7.68 inches, which is very similar to the value from the USGS 2016 model.

Role of Confining Units

The comparison of water balances included in Table 2 and 3 shows that vertical flow from upper layers to lower layers is significantly less in the EA 2015 model as compared to the USGS 2011 and USGS 2016 models. The amount of vertical flow is controlled in large part by the vertical hydraulic conductivity (Kv) of the confining units that overlie the aquifers. Table 4 compares the Kv values assigned to the QC2 and QC3 confining units in the various models.[6] This comparison shows that the values assigned in the EA 2025 model are generally much smaller than the values in the two USGS models.[7]

Table 4. Vertical hydraulic conductivity values assigned to QC2 and QC3 confining units. All values are ft/day.

	QC2			QC3		
	Vertical hydraulic conductivity values assigned to confining units					
	EA 2025	USGS 2011	USGS 2016	EA 2025	USGS 2011	USGS 2016
Average Kv	1.6E-03	1.1E-02	4.3E-02	2.9E-03	1.2E-03	3.0E-02
Median Kv	3.4E-04	9.2E-03	8.0E-03	6.0E-04	3.4E-04	2.0E-03
	Ratio of EA 2025 values to USGS values					
Average Kv		14.0%	**3.7%**		236.9%	**9.6%**
Median Kv		3.7%	**4.3%**		174.4%	**30.0%**

Figure 1 shows the distribution of vertical hydraulic conductivity values in the QC2 and QC3 confining units in the EA 2025 model. These values are not based on direct measurements, but rather were selected during model calibration.

The relatively low Kv values used for confining units in the EA 2025 model affect the estimates of the current water balances described in the previous section. These Kv values will also affect estimated water level declines under future pumping scenarios. While the exercise is beyond the scope of this peer review, it is likely that using the USGS 2011 or USGS 2016 models would result in lower estimates of water level declines in the deeper aquifers under future pumping scenarios. This opinion is based on the comparison of water balances summarized in Tables 2 and 3 and the comparison of vertical hydraulic conductivity values summarized in Table 4.

[6] The QC2 confining unit separates the QA1 and QA2 aquifers and the QC3 confining unit separates the QA2 and QA3 aquifers.

[7] The technical memorandum regarding the EA 2025 model (EA, 2025) does not describe the vertical hydraulic conductivity values assigned to the confining units in the model. Figures 5-D and 5-F in the memorandum show the horizontal hydraulic conductivity values, but these values are largely irrelevant. Flow in confining units is primarily vertical and is controlled by vertical hydraulic conductivity and is generally independent of horizontal hydraulic conductivity.

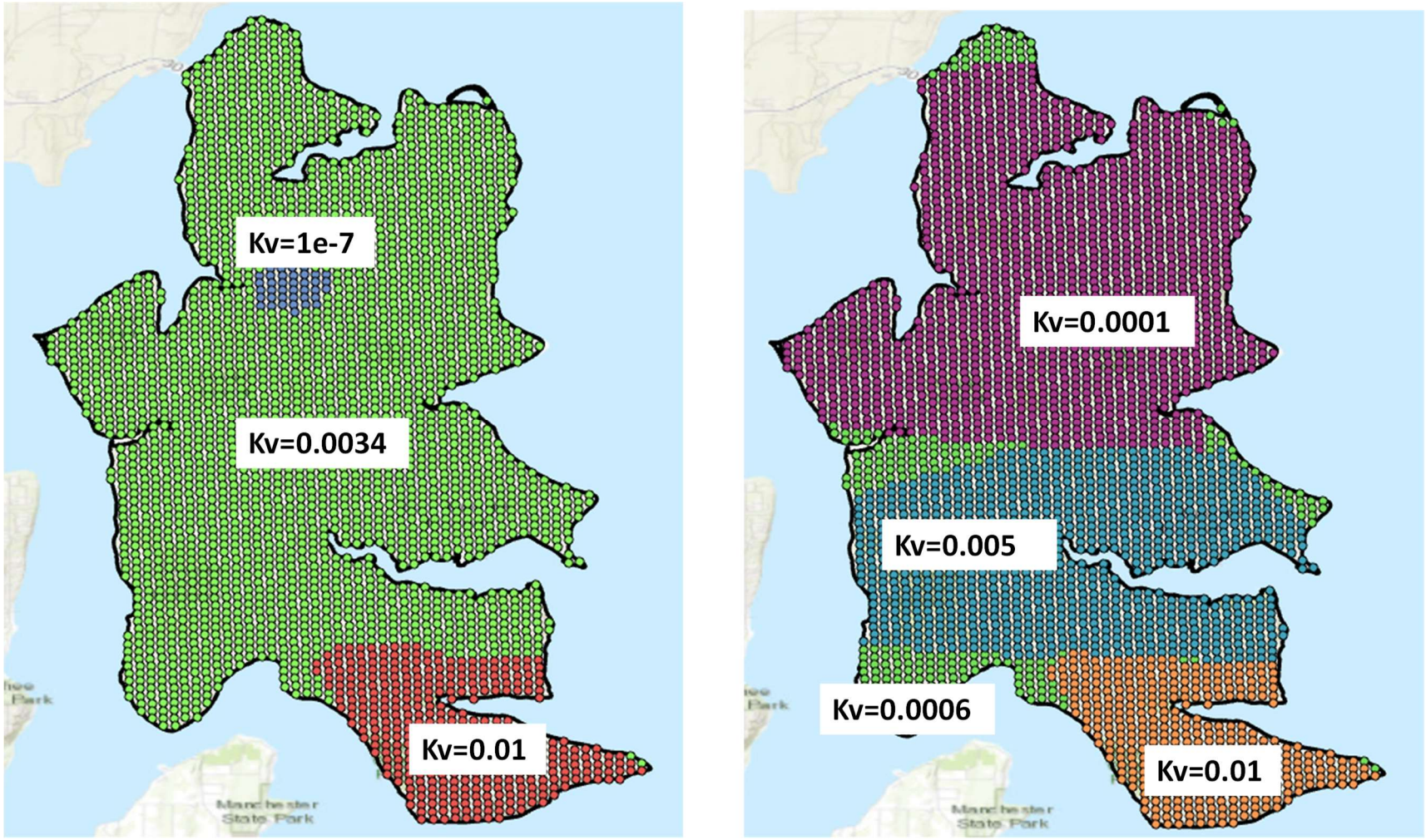

Figure 1. Vertical hydraulic conductivity (Kv) values for the QC2 (left) and QC3 (right) confining units. All values in ft/day.

One might argue that lower Kv values will result in conservative estimates of allowable pumping rates or sustainable yields. This approach is not optimal, as it can result in compounding conservative assumptions without explicitly recognizing or quantifying the degree of conservativeness.

Recharge as model input

Groundwater recharge is not calculated in any of the three groundwater flow models described above. Rather, recharge is estimated externally from the model and is then incorporated as input to the model. The general method used to estimate recharge was the same for all three models. This method is based on a study published by the USGS in 2001 (Bidlake and Payne, 2001) and is generally described as the Bidlake/Payne method. A general understanding of how this method works may provide an appreciation of the limitations inherent in the recharge estimates used in the models.

The Bidlake/Payne method involves using a relatively sophisticated surface hydrology model called the Deep Percolation Model or DPM. The DPM model estimates recharge based on detailed descriptions of a relatively large number of site-specific variables, including air temperature, solar radiation, evaporation rates, transpiration rates, vegetation types, soil types, and underlying geology. It is not possible to run the DPM model over the large area and the long timescales used in the groundwater flow models. Instead, the DPM model is used to estimate recharge in small watersheds (generally less than several square miles) over time periods on the order of one or two years. The recharge estimates from these detailed DPM models are then extrapolated over the full area of the groundwater model and over the full length of the time period considered in the groundwater model. This extrapolation is accomplished using relative simple regression equations.

For the USGS 2011 model, the regression equations used for the extrapolations were developed using the DPM results for data collected from October 2007 through September 2008 in the Springbrook Creek watershed on Bainbridge Island. For the USGS 2016 and EA 2025 models, the regression equations were developed using DPM results for data collected between August 1994 and April 1996 in several watersheds in the vicinity of SUBASE Bangor (Bidlake and Payne, 2001). It is not clear, based on the available information, if the regressions used in the USGS 2016 and EA 2025 models are better or worse than the estimates used in the 2011 USGS model. As shown in Table 3 in Section E, the estimates in the USGS 2016 and EA 2025 models are approximately 60% of the values in the USGS 2011 model.

It should be noted that the Bidlake/Payne regression equations provide estimates of annual recharge rates. These annual recharge rates are calculated based on annual precipitation rates. The recharge estimates do not depend on how that precipitation is distributed throughout the year. For example, a year with a very wet spring and very dry fall will have the same annual recharge rates as a year with a very dry spring and a very wet fall, provided the annual total precipitation is the same.

The annual recharge rates are partitioned among the different months the same way for all years, regardless of when the precipitation occurs. Table 5 lists how these annual recharge rates are distributed throughout the year. For example, the recharge that is assigned to April is always 12% of the annual recharge and the recharge assigned to November is always 6% of the annual value. These percentages do not change from year to year and do not depend on when precipitation occurs within the year and they do not depend on how wet or dry the land surface may be.

Table 5. Percentages of annual recharge assigned as monthly rates.

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
19%	18%	16%	12%	4%	1%	1%	1%	1%	1%	6%	25%

Model Calibration

The EA 2025 model was calibrated using a trial-and-error approach in which calculated groundwater elevations were compared to observed elevations. A comparison of calculated and observed flows was not done, in large part because there are no streams included in the model. It is generally recommended that data of different types should be included in the calibration process to the extent possible (e.g., Hunt et al., 2005).

The approach used to calibrate the EA 2025 model often results in non-unique parameter estimates. This means that different sets of input parameters (e.g., different combinations of hydraulic conductivity values) can give similar model calibration results, but very different results for future management options.

Figure 4 in the EA Groundwater Flow Model Technical Memorandum (EA,2025b) is used to describe the model calibration. The figure is reproduced below as Figure 2. The following excerpt from the EA memorandum is used to describe the figure:

> *"An observed versus simulated graph of groundwater levels is shown on Figure 4 along with two dashed lines showing the 5% and 10% error. Ideally, all monitoring points would lie within a 10% error. For this model, 97% of modeled points fall within 10% error (9,259 out of 9,574)."*

Figure 4 in the EA memorandum and its associated description present a misleading assessment of the calibration statistics. The dashed lines do not show 5% and 10% error. Rather, it appears that the +/-10% line actually shows plus or minus 30 feet, which is approximately 10% of the largest water level value shown on the graph. Most of the water levels are significantly less than 300 feet, and a 30-foot error is significantly larger than a 10% error.

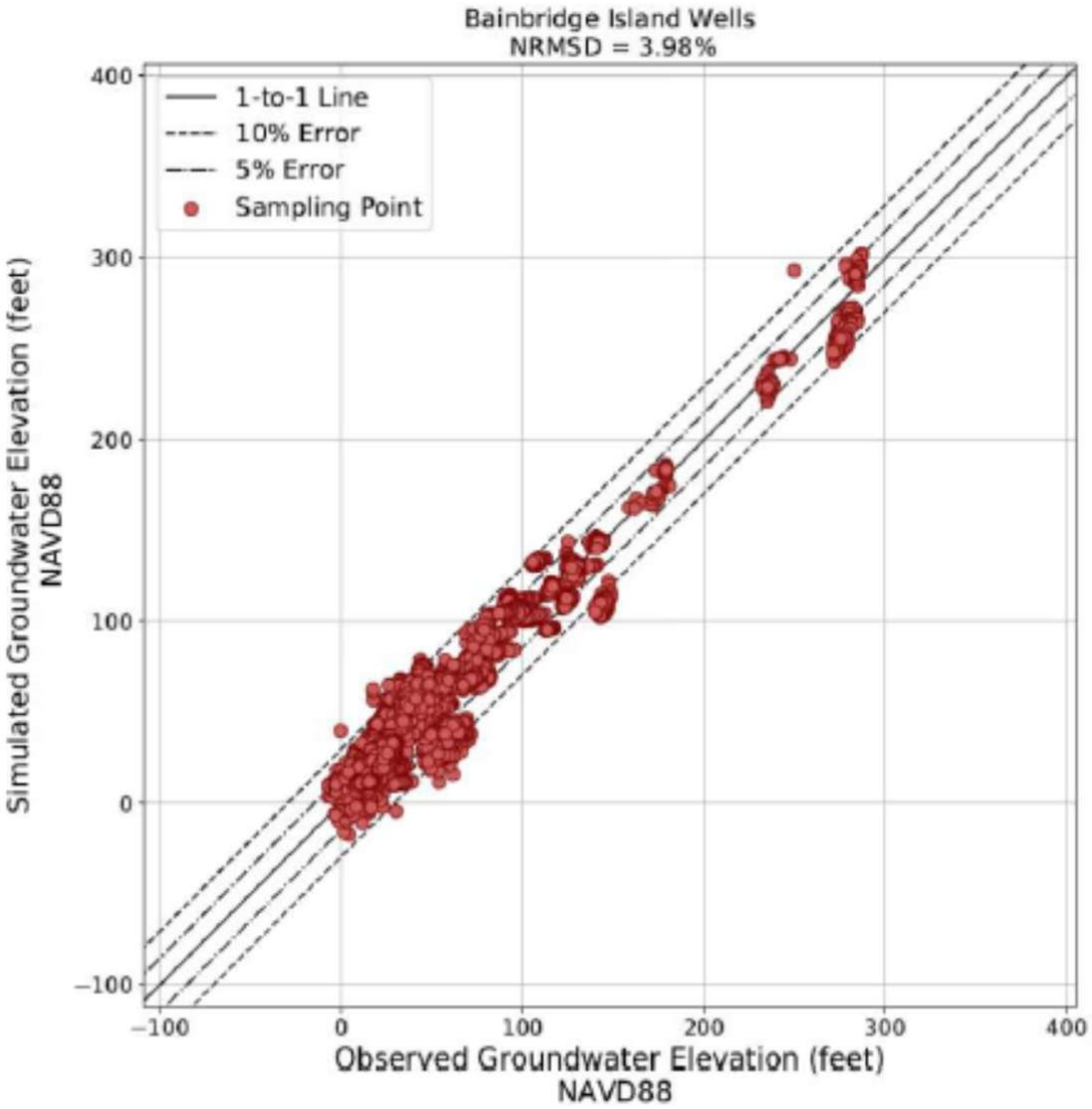

Figure 2. Plot of observed and calculated groundwater elevations as shown in Figure 4 from the EA groundwater modeling technical memorandum (EA, 2025b)

Figure 3 presents an alternative approach for showing the +/- 10% error lines and compares these lines to the observed and calculated groundwater elevations in the range of 0 to 100 feet.[8] As an example, the +/-10% error line for an observed water level of 30 feet is +/- 3 feet. The difference between observed and calculated groundwater elevations is significantly larger than 3 feet for those observations in the vicinity of 30 feet. Most of the calculated water levels shown in Figure 3 fall significantly outside the +/- 10% lines.

[8] The data shown in Figure 3 were taken from the file "results_31824_i2.csv" with a time stamp of 7/28/2025, 1:57 PM. This file was included in the package of materials provided by COBI for the peer review. Only those wells that are located on Bainbridge Island are included in the figure.

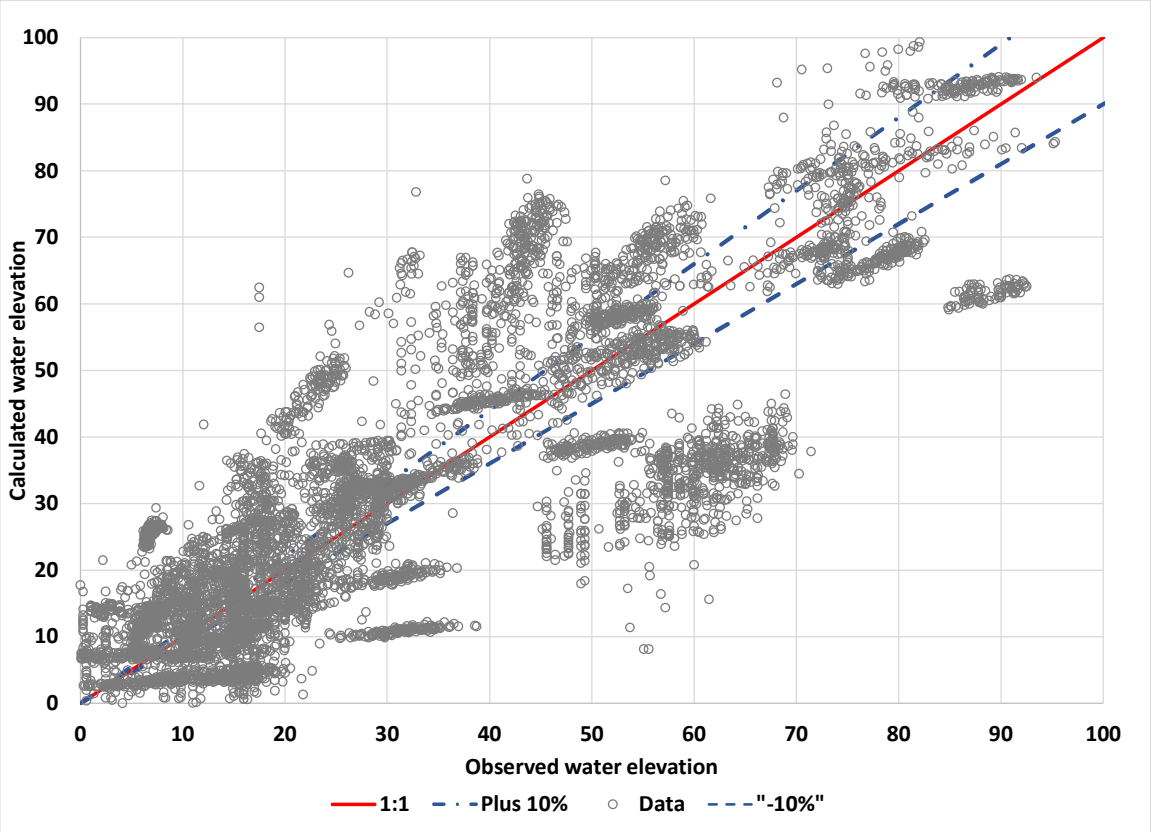

Figure 3. Comparison of observed and calculated water levels with +/- 10% error lines

As part of our peer review, we ran the EA model and graphed observed and calculated water level elevations for wells on Bainbridge Island.[9] The results are shown in Figure 4. A comparison of these results with the results included in the July 2025 tech memo (reproduced in Figure 2 above) shows significant differences. In particular, the calculated water levels from our simulations are approximately 50 feet higher than the observed levels.

In response to the results shown in Figure 4, we emailed EA Engineering on September 4, 2025 asking if there was a different model version.[10] We heard back on September 18, 2025 that there was not a different version.[11] We have therefore assumed that we have the model version that was relied upon in developing the GWMP.

[9] The model version that we have is "cobi_nwtmodelv2_9layersR2_edits13024.gwv" and the time stamp is 4/12/2024.

[10] Email to Luke Flores, EA Engineering, September 4, 2025.

[11] Email from Lee Garret, EA Engineering, forwarded by Chris Wierzbicki, COBI, September 18, 2025..

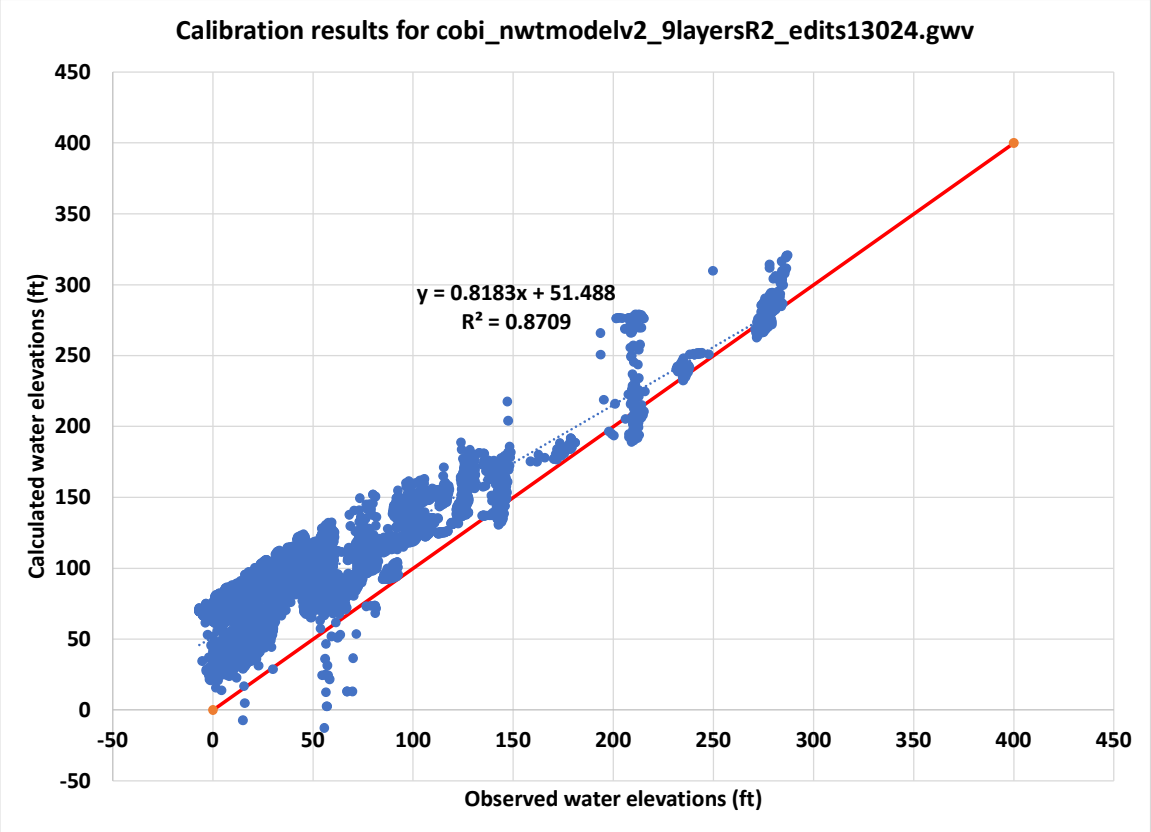

Figure 4. Plot of observed and calculated groundwater elevations derived by running the model provided as part of the peer review process.

F. PLANNING IN THE FACE OF UNCERTAINTY

Given the complexity and interdependence of the earth system, and the unprecedented rate of global climate change, uncertainties must be considered when developing predictions associated with the groundwater system. Uncertainty increases as our predictions attempt to describe conditions further into the future for specific local conditions. Any responsible attempts to produce quantitative predictions of future scenarios should address this unavoidable uncertainty and "accurately reflect the limits of current knowledge" (Parker 2010). The current version of the GWMP, and the quantitative modeling results it relies upon, do not fully acknowledge uncertainty in any reasonably-quantitative way and do not accurately reflect the limits of current knowledge. This foundational flaw significantly limits the scientific integrity of the analysis and makes the results potentially misleading for management decisions.

There are methods to quantify uncertainty and generate a range of plausible outcomes for future scenarios. One such method is ensemble modelling. An example of this method is suggested in Section D above for estimating recharge. With this approach, several models are run using different assumptions and simplifications, possibly with varying inputs and/or parameters. The output from these models is then used to attempt to bracket the range of possible outcomes. The approach may require significant resources in the form of data, expertise, and time, and even then, it does not provide a surefire method for quantitative representing uncertainty (Parker 2010). The current draft GWMP's various recharge, pumping, and sea level modeling scenarios are limited, incomplete versions of an ensemble that under-represents the uncertainty in model parameters and recharge. If the focus is to remain on quantified approaches; we recommend, as a priority, constraining the more certain and knowable quantities like current water usage and pumping and ground water levels (e.g., increasing metering and monitoring). The report does not provide any concrete plan to constrain these more knowable quantities, but it does focus substantial resources on trying to estimate deeply uncertain quantities like future climate and groundwater levels.

To guide local decision-making, the Intergovernmental Panel on Climate Change (IPCC) recommends that stakeholders "need to consider multiple lines of evidence on all physically plausible outcomes (especially when they are contrasting) relevant to a specific decision required in response to a changing climate. Confidence in the distilled regional climate information is enhanced when there is agreement across multiple lines of evidence" (IPCC 2021 TS). In other words, to have confidence in future predictions on a local scale, there must be several lines of evidence—such as ensemble modeling and historical data—that all support each other and agree on a specific range of outcomes. This "distillation" method is the gold standard of climate science; however, it may require interdisciplinary teams of experts and access to data and resources that may make it inaccessible to smaller governments and institutions.

For a small area like Bainbridge Island, the results from quantitative modelling of future scenarios may be so uncertain that they have limited value for guiding specific management decisions. However, as Roe (2012) states in the context of policy decisions on carbon emissions and the global climate, "uncertainty is not ignorance" and "a reliance of policy

makers on scientific and economic analyses to deliver more certainty on how to optimize our future consumption... may be placing more weight on those analyses than they should be reasonably asked to bear." Instead of being guided by specific, uncertain figures representing future conditions, planning decisions should be made that will result in a resilient groundwater system that will be able to adapt to uncertainty. In this respect, the GWMP is successful in identifying broad management areas that would result in such a system: implement policies that increase water conservation, reduce pumping, and promote increased clean recharge. A groundwater management plan built around these core principles will be the most sustainable and resilient in any future scenario, regardless of the specific quantities of precipitation, recharge, sea-level rise, etc.

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Groundwater Management Plan

Appendix M

Keta Waters Technical Memo on Steady State Modeling,

2026

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MEMORANDUM

To: City of Bainbridge Island
280 Madison Avenue North
Bainbridge Island, WA 98110

Attn: Christopher Wierzbicki, P.E.
Director of Public Works

From: Joel Massmann, Ph.D., P.E.

Date: April 29, 2026

Subject: Results of Steady-State Groundwater Modeling
Bainbridge Island GWMP project

A. Overview

Bainbridge Island has been included in at least five groundwater flow models that have been developed over the last fifteen years (Frans et al, 2011; Aspect, 2016; Frans and Olsen, 2016; Aspect, 2023, EA, 2025) . These models are closely related and have many similarities in terms of how the hydrogeology of Bainbridge Island is described. In particular, the sequence and layering of aquifers and confining units are similar in all five models and in all five models water enters the system as recharge from precipitation and septic-system returns and exits the system via groundwater pumping, streamflow, and discharge to Puget Sound. The models differ primarily in terms of values assigned to characteristics of aquifers and confining units, groundwater recharge rates, and groundwater pumping rates. The individual models are also used to simulate different time periods and to consider different future scenarios.

The models listed in the previous paragraph were all used to simulate transient groundwater flow. When used in this mode, the models attempt to describe monthly changes that result from differing pumping rates and recharge rates. The time needed to complete these simulations is relatively long because the models must be run in one-month timesteps from the past into the future. For example, if a model is used to simulate 20 years in the past and 80 years forward, 1,200 separate timesteps must be simulated to look at one pumping-rate or recharge scenario.

An alternative approach to running the models in transient mode is to use steady-state simulations. These simulations provide estimates of the groundwater system once it reaches equilibrium. The advantage of steady-state modeling is that the model is run for one timestep for each scenario, rather than 1,200 times as described above. The disadvantages are that these steady-state applications do not provide information about how long it might take to reach a new equilibrium and the models give only average values for water levels and groundwater flow rates, rather than full seasonal cycles.

Keta Waters used the 2023 Aspect Model (Aspect, 2023) and the 2025 EA Model (EA, 2025) in steady-state mode to evaluate equilibrium conditions for a variety of scenarios. Results from these steady-state simulations are described in the sections that follow.

B. Models and Scenarios

Four models were used in the exercise:

1. **EA**: The 2025 EA model
2. **Aspect**: The 2023 Aspect model
3. **EA Stream**: The 2025 EA model with land surface boundaries from the 2016 USGS model.[1]
4. **EA River**: The 2025 EA model with modified land surface boundaries from the 2016 USGS model.[2]

The models were run in steady-state mode using the GWVistas interface to Modflow. This is the same interface used bu the Aspect and EA in their modeling studies. The steady-state models were used to calculate changes in the amount of groundwater discharge to surface water features and changes in groundwater levels. The results are described below.

B.1 Groundwater outflow to surface water features

Table 1 summarizes the outflow to drains for the different models. Outflow to streams is also given for the EA River and EA Stream models in units of cubic feet per second (cfs) and acre-feet per year (afy).

[1] The streams explicitly included in the USGS model are Manzanita Creek, Springbrook Creek, Dripping Water Creek, Meigs Creek, and Woodward Creek. Other streams are incorporated as "drain" boundaries.

[2] The USGS simulates four streams on Bainbridge Island using the "Stream" boundary condition. This is a relatively detailed approach that attempts to calculate water levels in the stream based on recharge and other model input. The approach, which is used in the EA Stream model, can result in unstable models with relatively large errors. An alternative approach is to specify the water levels in the stream, rather than have the model calculate them. This approach, which is more stable, was used in the EA River model.

Table 1. Outflow to drains and streams for the different models

	EA	Aspect	EA River		EA Stream	
	Drain	**Drain**	**Drain**	**Stream**	**Drain**	**Stream**
Base case (cfs)	13.5	16.3	13.5	5.1	17.7	5.7
Base case (afy)	9,782	11,820	9,763	3,659	12,784	4,140

Table 2 summarizes the scenarios that have been considered. The results are summarized in Table 3. These results are presented in terms of impacts relative to the base-case output summarized in Table 1. For example, a 50% reduction in recharge values (Scenario 2 in Tables 2 and 3), results in a 61.5% decrease in outflow to drains for the EA model and a 62.7% decrease for the Aspect model. The actual outflow to the drains for this scenario was 3,771 afy for the EA model and 4,411 afy for the Aspect model. The impact reported in Table 3 for the EA model is (9,782-3,771)/9,782 or 61.5%. The impact for the Aspect model is (11,820-4,422)/11,820 or 62.7%.

Table 2. Scenarios that have been considered.

		Model[1]			
#	**Scenario description**	**1**	**2**	**3**	**4**
0	Base case	X	X	X	X
1	Base case without wells	X	X	X	u[3]
2	50% recharge with wells	X	X	X	X
3	50% recharge without wells	X	X	X	u[3]
4	80% recharge with wells	X	X	X	X
5	80% recharge without wells	X	X	X	u[3]
6	150% recharge with wells	X	X	X	X
7	150% recharge without wells	X	X	X	u[3]
8	120% recharge with wells	X	X	X	X
9	120% recharge without wells	X	X	X	u[3]
10	Well withdrawal and septic recharge reduced by 50%	X	X	X	e[2]
11	Well withdrawal and septic recharge reduced by 80%	X	X	X	u[3]
12	Well withdrawal and septic recharge increased by 50%	X	X	X	e[2]
13	Fletcher Bay Aquifer (FBA) well withdrawal reduced by 50%	X	X	X	u[3]
14	FBA well withdrawal increased by 50%	X	X	X	u[3]
15	No septic return flow	X	X	X	X
16	Well withdrawal increased by 50% and no septic return flow	X	X	X	e[2]
17	Base case without BI wells	X		X	X
18	50% recharge without BI wells	X			X
19	80% recharge without BI wells	X			X
20	150% recharge without BI wells	X			X
21	120% recharge without BI wells	X			X
22	Well withdrawal increased by 50% in the FBA and in the deep aquifer beneath Kitsap Peninsula	X			

[1] 1: EA Model, 2: Aspect Model, 3: EA River Model, 4: EA Stream Model.
[2] Errors may be exceptionally large [3]Model was unstable and/or errors are exceptionally large

Table 3. Summary of impacts to land surface water features.

		Model[1]					
		1	**2**	**3**		**4**	
#	**Scenario description**	**Drain**	**Drain**	**Drain**	**Stream**	**Drain**	**Stream**
1	Base case without wells	2.6%	0.3%	0.7%	4.4%		
2	50% recharge with wells	-61.5%	-62.7%	-55.5%	-70.0%	-46.1%	-64.7%
3	50% recharge without wells	-60.0%	-62.8%	-55.0%	-68.1%		
4	80% recharge with wells	-25.9%	-26.6%	-23.0%	-29.7%	22.5%	-23.6%
5	80% recharge without wells	-23.6%	-26.1%	-22.4%	-25.6%		
6	150% recharge with wells	69.4%	69.8%	61.7%	75.3%	51.8%	51.7%
7	150% recharge without wells	72.4%	70.0%	62.4%	80.1%		
8	120% recharge with wells	27.2%	27.4%	24.3%	29.7%	22.7%	20.6%
9	120% recharge without wells	30.0%	27.7%	25.1%	34.3%		
10	Well withdrawal and septic recharge reduced by 50%	0.2%	0.1%	-0.5%	1.6%	-5.6%	2.2%
11	Well withdrawal and septic recharge reduced by 80%	0.1%	0.0%	-0.2%	0.6%		
12	Well withdrawal and septic recharge increased by 50%	0.1%	0.0%	0.6%	-1.6%	-3.0%	-2.2%
13	FBA well withdrawal reduced by 50%	0.5%	0.4%	0.4%	0.4%		
14	FBA well withdrawal increased by 50%	-0.5%	-0.3%	-0.4%	-0.4%		
15	No septic return flow	-8.8%	-9.7%	-6.9%	-7.7%	-11.7%	-6.2%
16	Well withdrawal increased by 50% and no septic	-12.9%	-14.6%	-9.7%	-12.7%		
17	Base case without BI wells	0.5%		-1.0%	3.1%	-2.3%	4.2%
18	50% recharge without BI wells	-61.5%				-46.5%	-20.9%
19	80% recharge without BI wells	-25.5%				-11.5%	-18.2%
20	150% recharge without BI wells	69.9%				50.1%	57.6%
21	120% recharge without BI wells	27.7%				24.3%	26.5%
22	Well withdrawal increased by 50% in both the FBA and in the deep aquifer beneath Kitsap Peninsula	-1.0%					

[1] 1: EA Model, 2: Aspect Model, 3: EA River Model, 4: EA Stream Model.

The Aspect and EA models give a range of estimated impacts associated with changes in recharge and pumping. The models suggest the following:

1. The impacts on streamflow for the current system are relatively small because septic return flow counter-acts impacts from pumping.
2. Eliminating all wells results in an increase in stream flow of approximately 4%.
3. Eliminating all septic return flow results in a decrease in stream flow of approximately 7% to 10%.
4. Increasing pumping rates by 50% while eliminating septic return flow results in a decrease in stream flow of approximately 10% to 15%.
5. A 20% reduction in recharge results in a decrease in streamflow of 20% to 30%. A 20% increase in recharge results in an increase in streamflow of 20% to 30%.
6. The FBA can produce more water, though additional wells would be required.
7. Changing withdrawals in the FBA by 50% results in changes in stream flow of approximately 0.5%. This result is seen for both pumping increases and pumping decreases.

B.2 Impacts on shallow groundwater levels

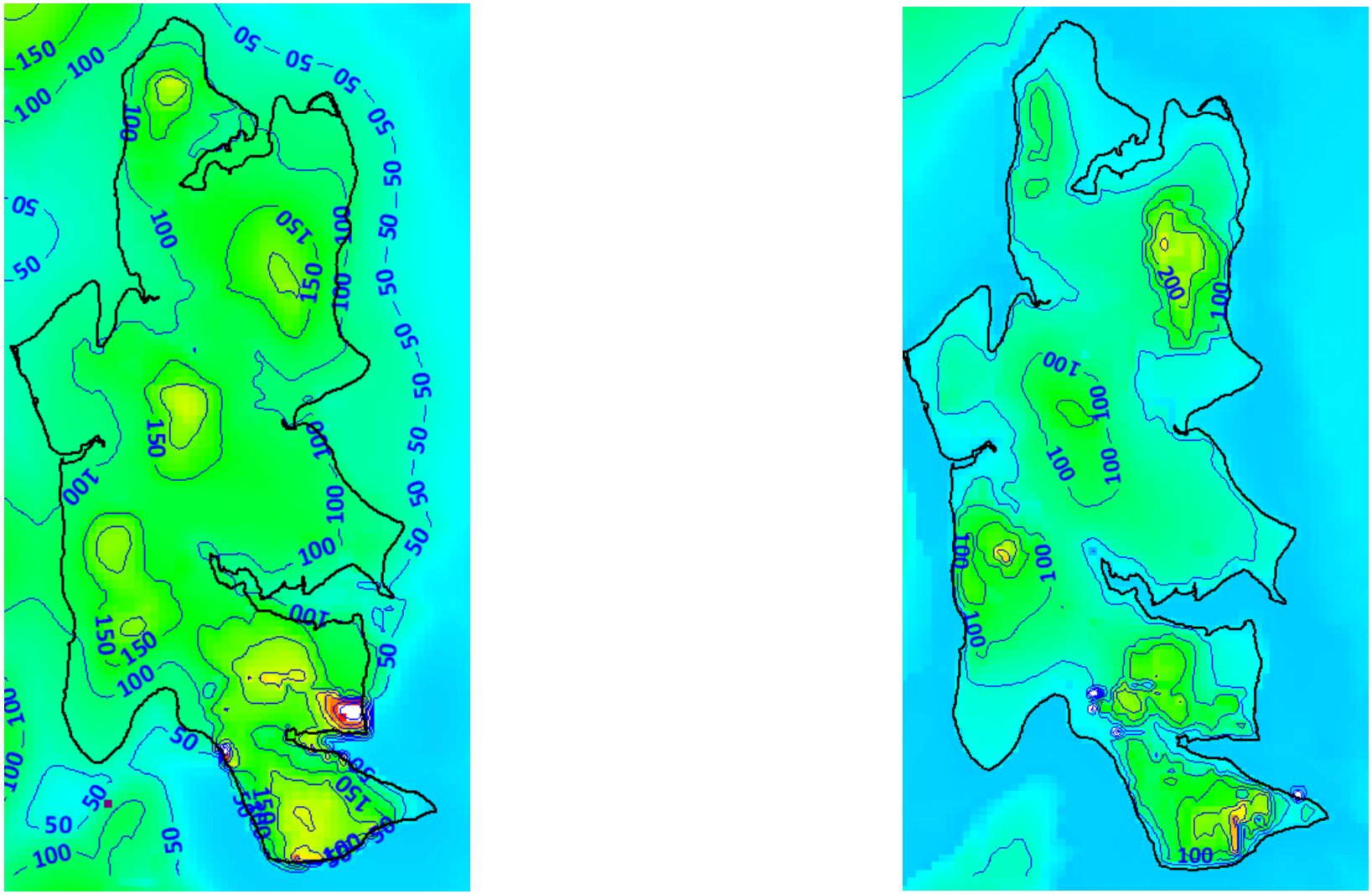
Impacts on shallow groundwater levels can be compared using groundwater levels in the upper confining unit. This unit underlies the shallow aquifers (Vashon Recessional Aquifer and Vashon Advance Aquifer).[3] Water levels calculated under the base case scenario in the upper confining unit are in the range of 100 to 150 feet for most areas, with levels generally higher in the EA model, as shown in Figure 1.[4]

Changes in water levels in the upper confining unit that are associated with an increase in pumping in the Fletcher Bay Aquifer (FBA) are shown in Figure 2. Water level declines on the order of one foot or less occur over most of the Island, though the patterns differ between the two models. These differences are due to the different hydraulic conductivity values that are assigned to the model layers in the two different models.

Compared to pumping in the FBA, reducing recharge has a more pronounced impact on the water levels in the upper confining unit, as shown in Figure 3. Water levels decline in the range of 10 to 20 feet under both models under the reduced recharge scenario.

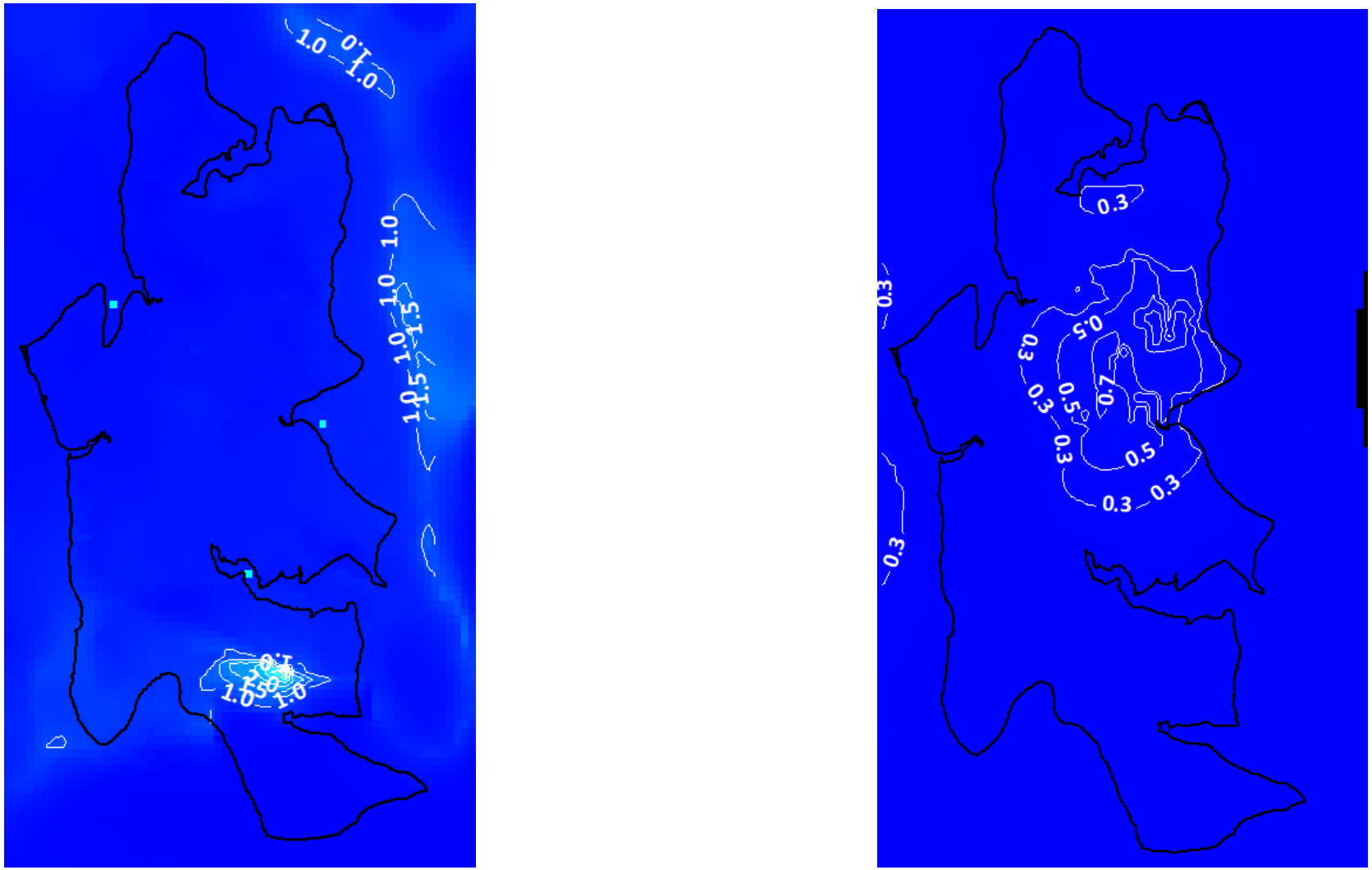
[3] The Aspect model includes the Vashon Recessional Aquifer, the Vashion Till Unit, and the Vashon Advance Aquifer as three individual layers. The EA model combines these three layers into a single layer. The upper confining unit (layer 4 in the Aspect model and layer 2 in the EA model) is the most shallow layer present in both models.

[4] Water levels are referenced relative to mean sea level.



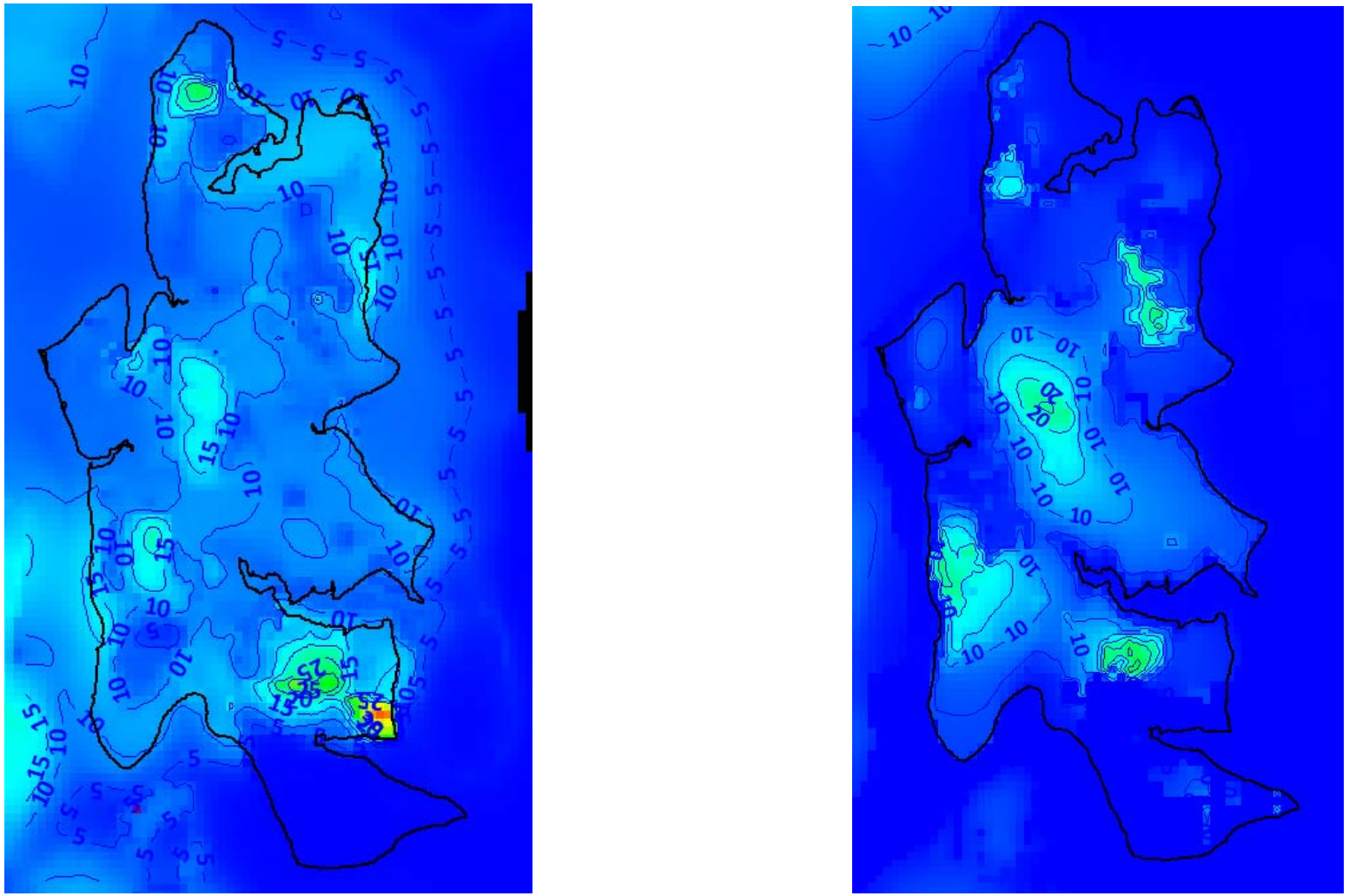
a) EA Model b) Aspect Model

Figure 1. Groundwater levels in the upper confining unit for the base case scenario (existing conditions).



a) EA Model b) Aspect Model

Figure 2. Water level declines in the upper confining unit if pumping in the FBA is increased by 50%.



a) EA Model b) Aspect Model

Figure 3. Water level decline in the upper confining unit if pumping in the FBA is increased by 50% and recharge is reduced by 20%.

B.3 Groundwater levels in the FBA

The Aspect 2023 and EA 2025 steady-state models describe water levels in the Fletcher Bay Aquifer (FBA) in very different terms. Under a no pumping scenario (i.e., there is no pumping anywhere in the model, including off-island areas), the Aspect model calculates water levels in the range of 45 to 50 feet while the EA model calculates water levels in the range of 100 to 105 feet. These levels are shown in Figure 4. This results in upward flow in the EA model (i.e., out the top of the FBA) and downward flow in the Aspect model (i.e., into the top of the FBA).

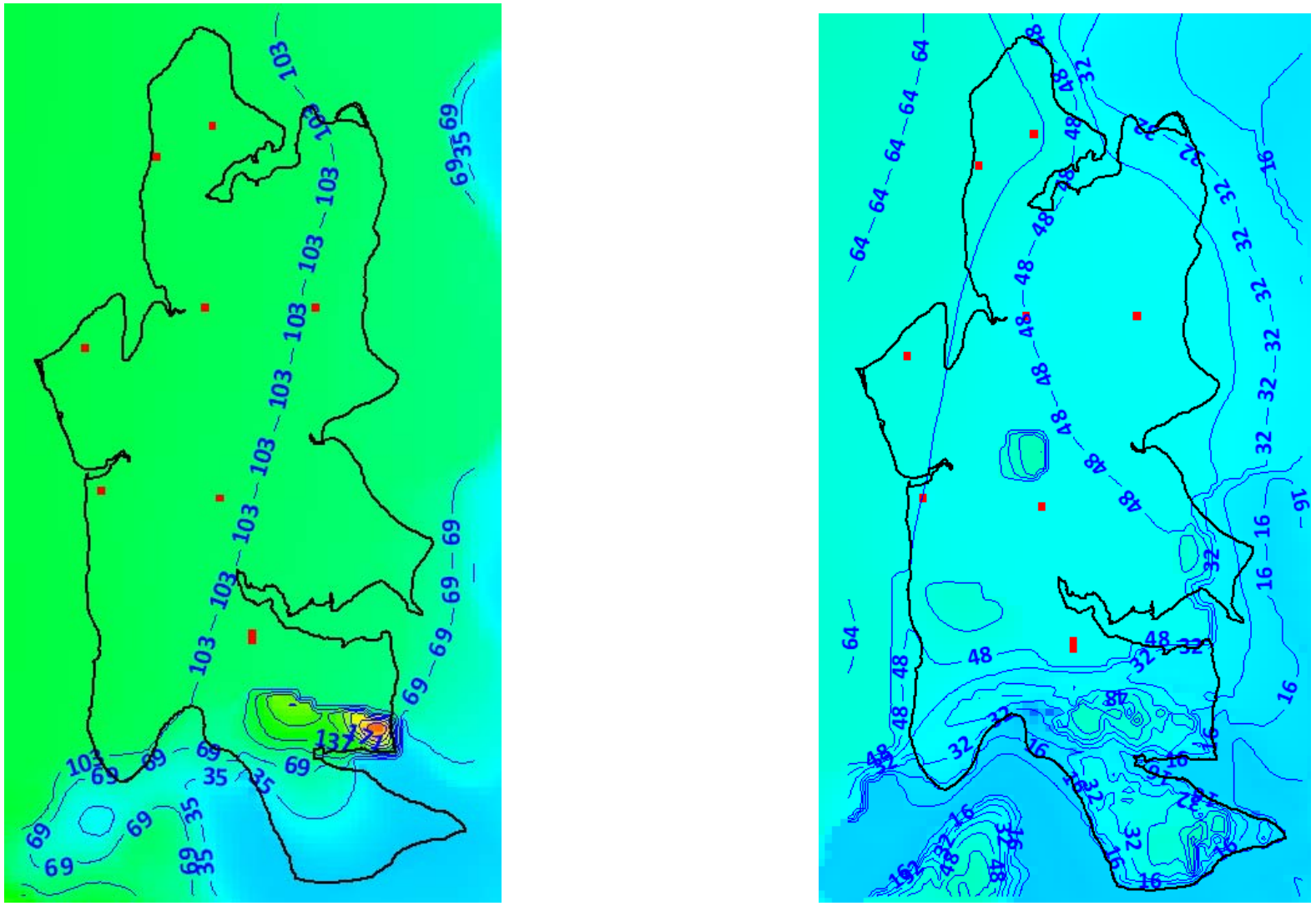
The effects of current groundwater pumping rates on water levels in the FBA are shown in Figure 5. This figure shows water level declines, relative to the no-pumping scenario that is shown in Figure 4. Current pumping rates have caused a water level decline of roughly 50 feet in the FBA for the EA model and roughly 20 feet for the Aspect model.

The effects of increased groundwater pumping in the FBA are shown in Figures 6 and 7. Increasing the pumping rates in the FBA by 50% results in water level declines of roughly 8-10 feet in the EA model and 2 to 4 feet in the Aspect model. The combined effects of increased pumping, reduced recharge, and elimination of septic return flow are shown in Figure 7. These three combined changes result in water level declines of roughly 20 feet in the EA model and 8-9 feet in the Aspect model.

From the perspective of groundwater levels, a 50%-increase in groundwater production from the FBA appears sustainable. It should be noted that this does not mean the existing wells could be used to provide the additional production. The models are not capable of calculating water levels in individual wells. Rather, the models suggest that the aquifer is capable of providing additional production over the long-term.

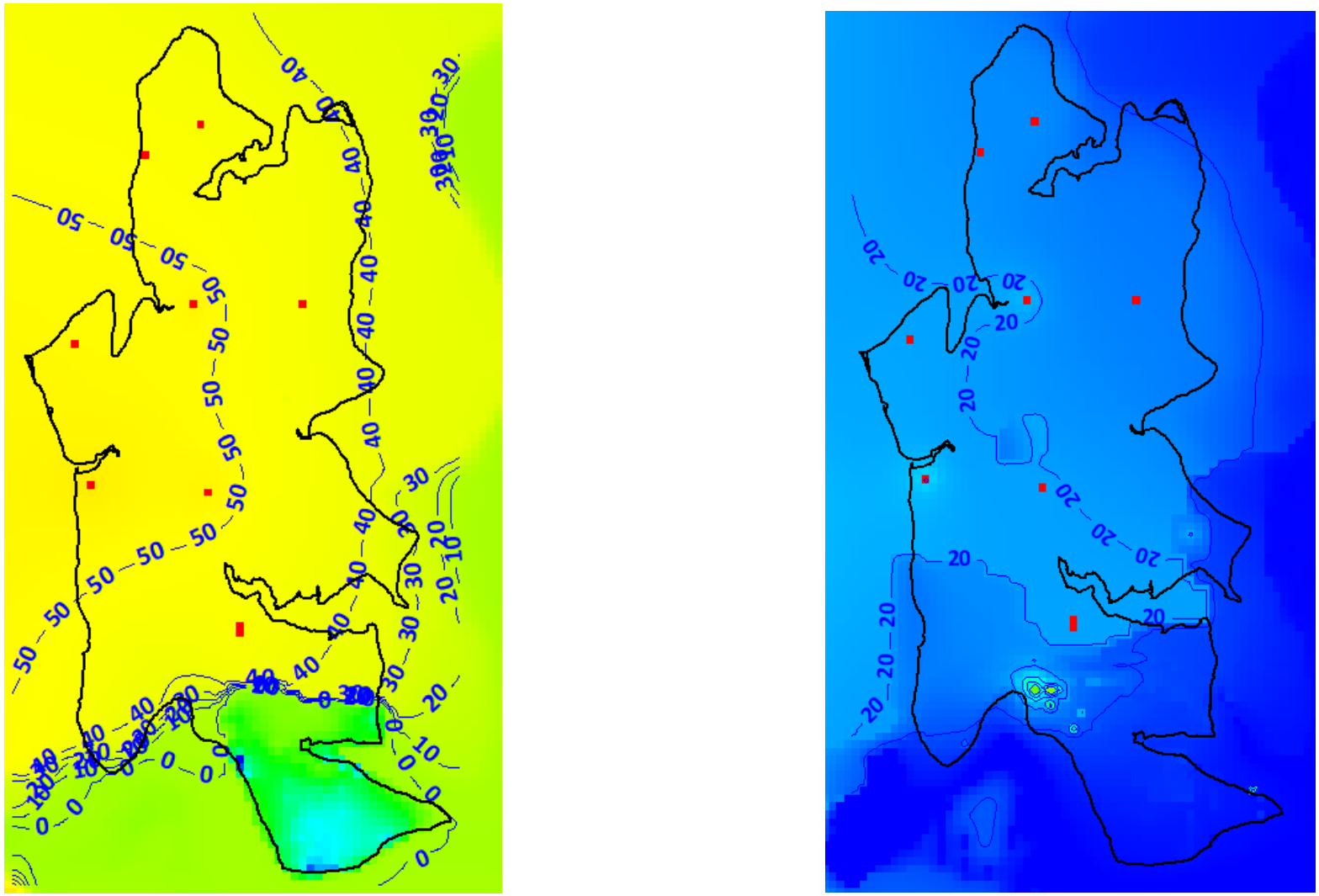
The scenarios shown in Figures 6, 7, and 8 were developed assuming pumping rates on the Kitsap Peninsula remained constant over time. An additional simulation was developed using the EA model to consider the scenario where pumping in the deep aquifer beneath the Kitsap Peninsula and in the FBA are both increased by 50% relative to the base case. This 50% increase corresponds to roughly 1,000 gpm on the Kitsap Peninsula (from approximately 2,000 gallons per minute (gpm) to approximately 3,000 gpm) and roughly 250 gpm in the FBA beneath Bainbridge Island (from approximately 500 gpm to approximately 750 gpm).

Figure 9 shows the additional water level decline that occurs if pumping is increased on Kitsap Peninsula, relative to the case where pumping is only increased in the FBA (as shown in Figure 6a). The increased pumping causes additional water level declines of approximately 7 to 10 feet, based on the EA steady-state model.



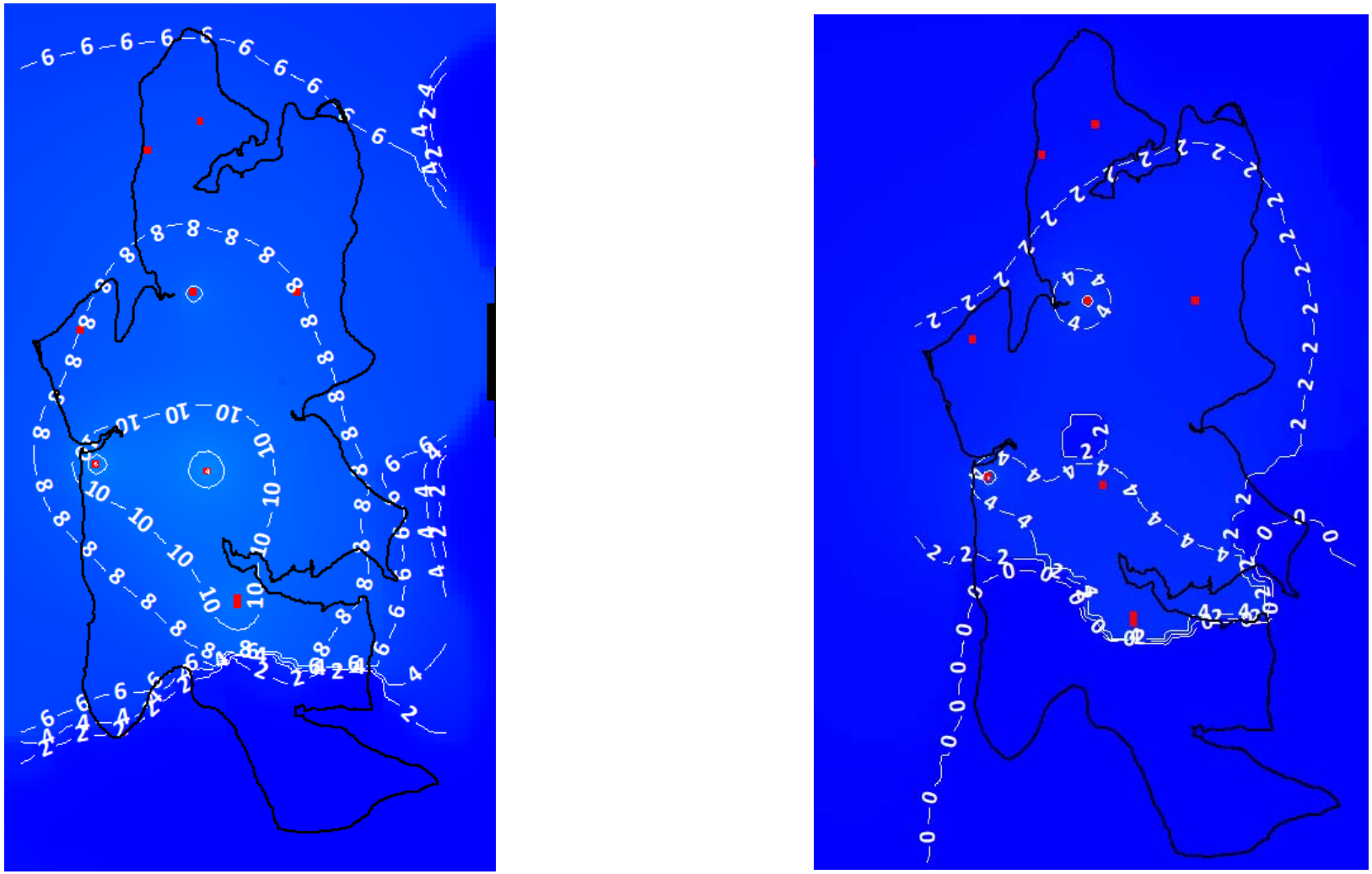
b) EA Model b) Aspect Model

Figure 4. Water levels in the FBA under the no-pumping scenario.



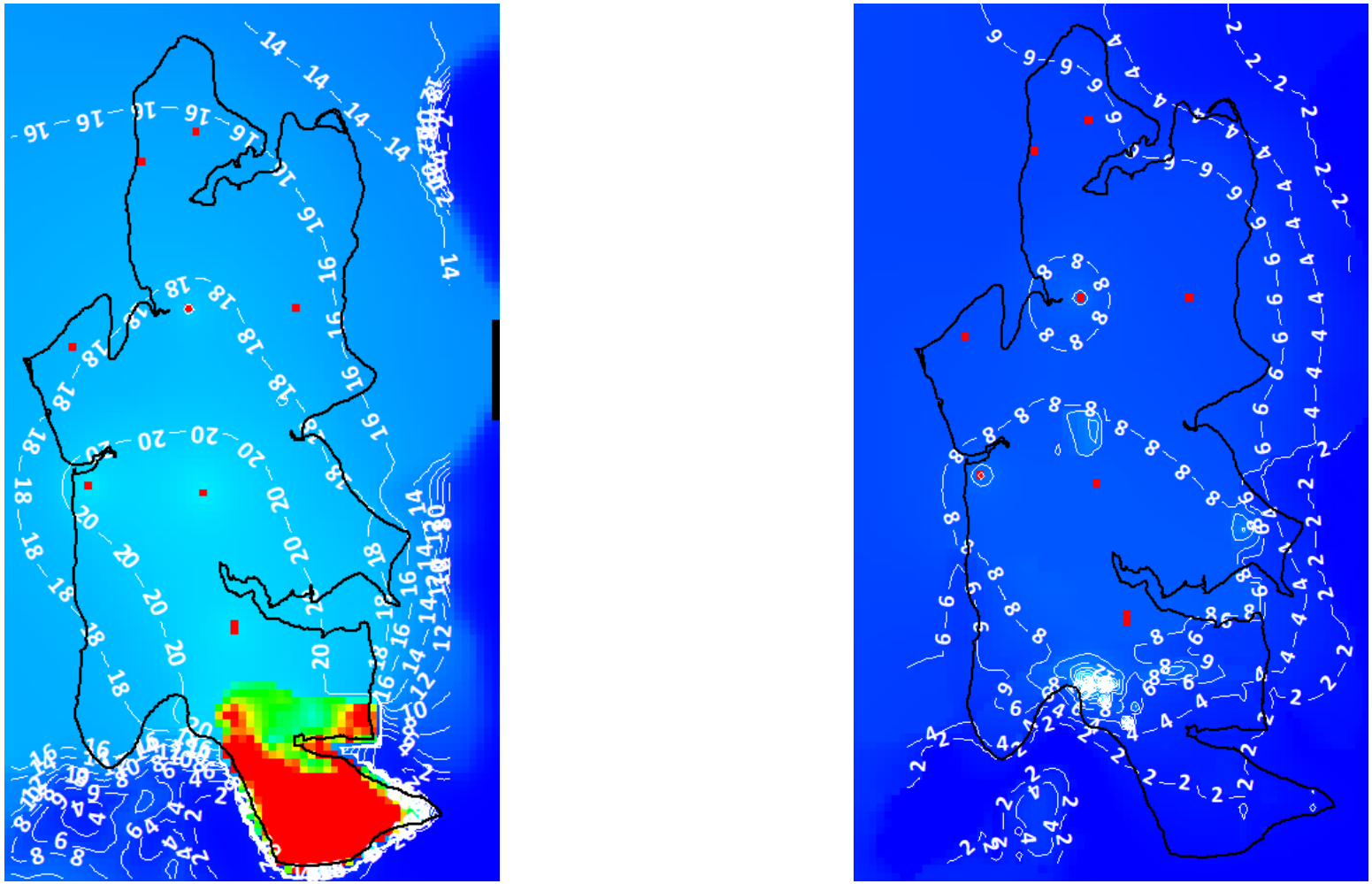
a) EA Model b) Aspect Model

Figure 5. Water level decline in the FBA. Base case scenario (existing conditions) compared to the no-pumping scenario.



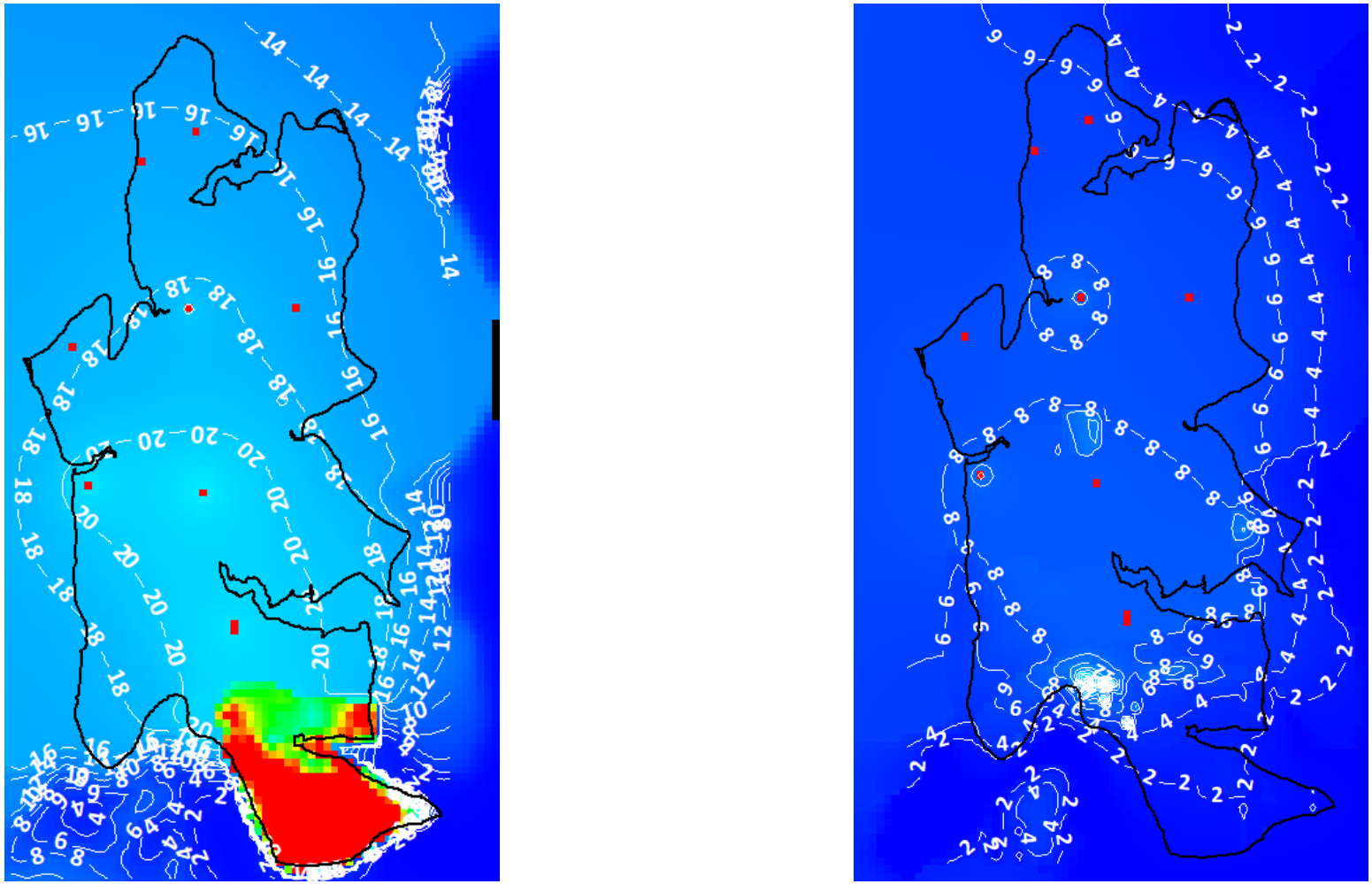
a) EA Model b) Aspect Model

Figure 6. Water level decline in the FBA if pumping rate in the FBA is increased by 50%. Decline is relative to the base-case scenario (i.e., current conditions)



b) EA Model b) Aspect Model

Figure 7. Water level decline in the FBA with if pumping rate in the FBA is increased by 50%, recharge is decreased by 20%, and there is no septic return flow. Decline is relative to the base-case scenario (i.e., current conditions)



a) EA Model b) Aspect Model

Figure 8. Water level decline in the FBA with if pumping rate in the FBA is increased by 50%, recharge is decreased by 20%, and there is no septic return flow. Decline is relative to the base-case scenario (i.e., current conditions)

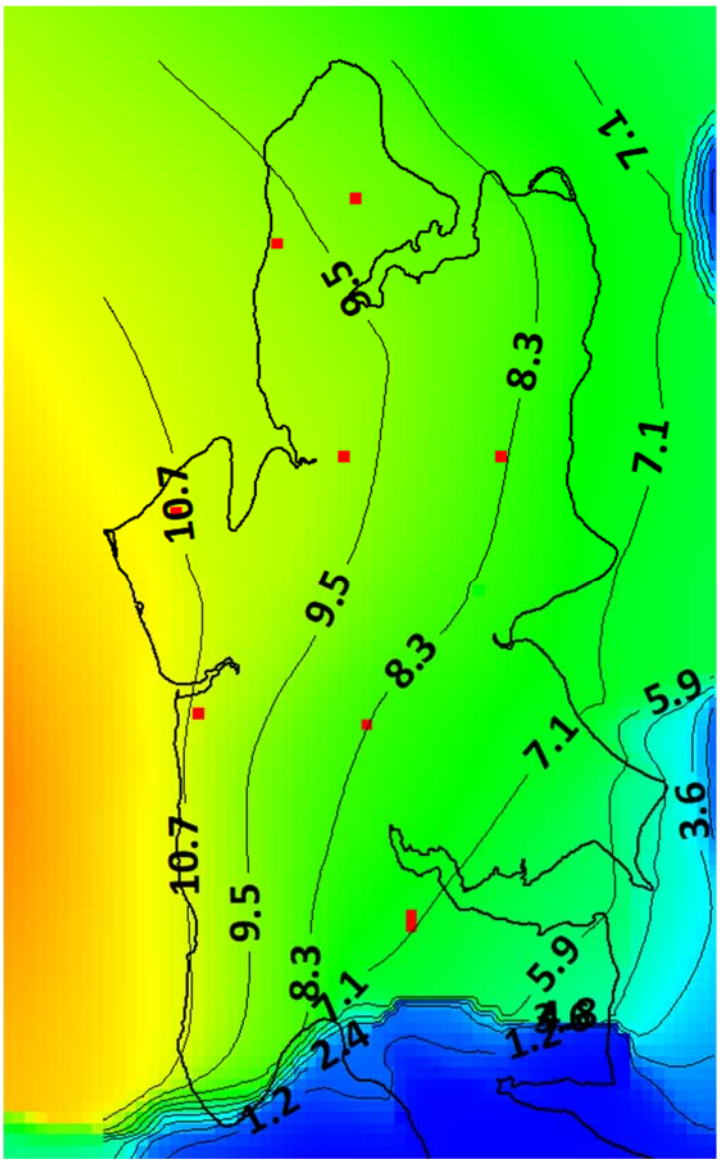


Figure 9. Water level decline in the FBA caused by additional pumping on the Kitsap Peninsula based steady-state simulations with the 2025 EA model. The declines are additive to the declines shown in Figure 6 for the scenario where pumping is increased only in the FBA beneath Bainbridge Island.

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Aspect Consulting, LLC. 2016. *Bainbridge Island Groundwater Model: Aquifer System Carrying Capacity Assessment (Task 3 Scenario)*, Revised March 25, 2016.

Aspect Consulting, LLC. 2023. *Bainbridge Island Groundwater Model: Updates and Carrying Capacity Assessment Memorandum*.

EA Engineering, Science, and Technology, Inc., PBC. 2025. *Groundwater Flow Model Technical Memorandum: City of Bainbridge Island, Kitsap County*, July 2025.

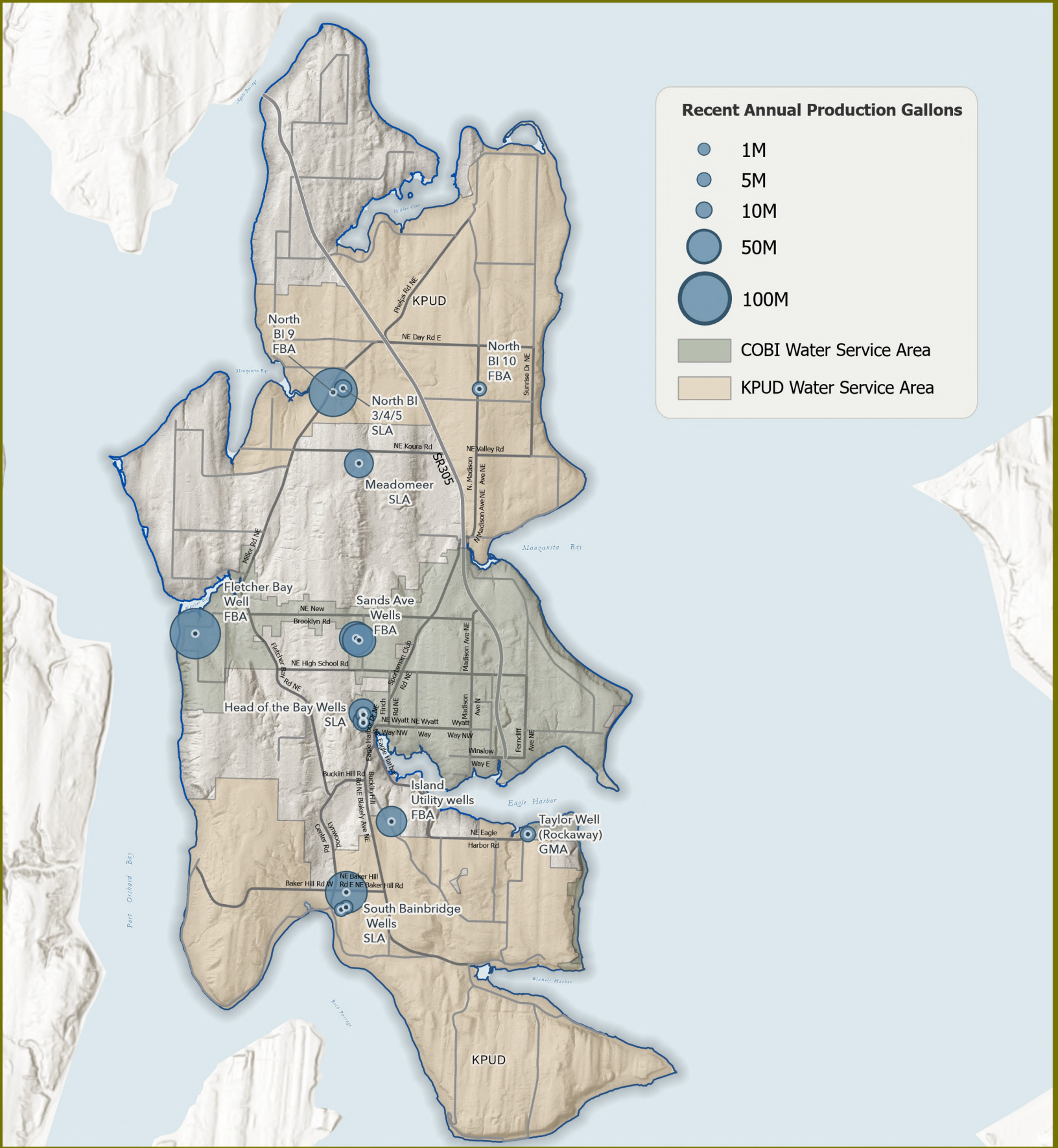
Frans, L.M., Bachmann, M.P., Sumioka, S.S., and Olsen, T.D. 2011. *Conceptual modeland numerical simulation of the groundwater-flow system of Bainbridge Island* Washington: U.S. Geological Survey Scientific Investigations Report 2011–5021, 96 p.

Frans, L.M. and Olsen, T.D. 2016. *Numerical simulation of the groundwater-flow system of the Kitsap Peninsula, west-central Washington* (ver. 1.1, October 2016): U.S. Geological Survey Scientific Investigations Report 2016–5052, 63 p., http://dx.doi.org/10.3133/sir20165052.

Groundwater Management Plan

Appendix N

Major Well Site Map



Major Groundwater Sources

Groundwater Management Plan

City of Bainbridge Island

N

0 0.5 1 Mi

0 0.75 1.5 Km

Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community, Sources: Esri, © World Wildlife Fund, Inc.

Groundwater Management Plan

Appendix O

Table of Model Details

Model	Area (sq. mi.)	Layers	Streams included?	Current condition simulation period	Recharge from rainfall (AFY)	Validation period	Validation parameters	Well pumping (mg/yr)	Flow to surface waters (cfs)	Future scenario time frame
2011 USGS Bainbridge Model (USGS, 2011)	101	33	Yes, as drains	1995-2008	18,000[1]	2007-2008	Water levels and stream flow	653	22.1	2009-2035
2016 Aspect Bainbridge Model (Aspect, 2016)	101	33	Yes, as drains	1995-2014	13,675	n.a.	Water levels	836	5.3	2015-2115
2016 USGS Kitsap Model (USGS, 2016)	786	14	Yes, as streams	1985-2012	n.a.[2]	2007-2012	Water levels and stream flow	n.a.	n.a.	2005-2012
2023 Aspect Bainbridge Model (Aspect, 2023)	247	14	No	1985-2021	18,726	2013-2021	Water levels	816[3]	13.5[3]	2022-2121
2025 EA Bainbridge Model (EA, 2025)	247	9	No	1985-2021	17,337	2013-2021	Water levels	741	16.3	2022-2121

[1]The 2011 USGS model uses 18,000 AFY for 2008 conditions and 30,000 AFY for predevelopment conditions.
[2]The 2016 Kitsap Model report does not explicitly describe recharge, well withdrawals, or streamflow for Bainbridge Island
[3] Well withdrawals and surface water flows were not reported in Aspect (2023) and were calculated from model files.

CITY OF
BAINBRIDGE ISLAND

City Council Regular Business Meeting Agenda Bill
Tuesday, May 12, 2026

Agenda Item: (7:40 pm) Discuss Comprehensive Plan Update Adoption Process and Approach

Department: Planning & Community Development

Agenda Section: Regular Business

Estimated Time: 10 Minutes

Recommendation:

Information Only

Narrative:
The Planning Commission has scheduled a public hearing for Thursday, May 14th on Ordinance 2026-04, adopting the periodic update to the Comprehensive Plan, adopting the Winslow Subarea Plan, and on Ordinance 2026-05, amending the Bainbridge Island Municipal Code to implement plan changes. After this public hearing, the Planning Commission will consider a final recommendation to the City Council. These public hearings are on material developed after extensive review by the Planning Commission, community members, City staff and consultants in 2024, 2025 and 2026.

The City Council passed Resolution 2025-18 in 2025, establishing a work plan and timeline for the City Council to complete its review of the update to the Comprehensive Plan and its elements, the Winslow Subarea Plan and the Development Regulations. In order to continue progress towards this goal, Council will commence review in May.

Staff suggests the following approach for the review process in May and June:

- Start with optional elements, those with significant discussion and plans of community interest
- Schedule special business meetings on June 2 and June 16
- Encourage Councilmembers to provide motions for the packet

Item	Introduce, Consider Motions	Review, if needed
Comp Plan – Introduction	May 12	May 26
Comp Plan – Cultural Element	May 12	May 26
Comp Plan – Human Services Element	May 12	May 26
Island-Wide Mobility Plan	May 12	w/Transp. Element
Groundwater Management Plan	May 12	June 23
Comp Plan – Environmental Element	May 19	May 26
Comp Plan – Economics Element	May 19	May 26
Comp Plan – Capital Facilities Element	May 19	May 26
Comp Plan – Utilities Element	May 26	June 9
Comp Plan – Water Resources Element	May 26	June 9
Public Hearing	Schedule June 2	Hold June 16 (TBD)
Comp Plan – Transportation Element	May 26	June 9
Consider request to develop Land Capacity Analysis and Infrastructure capacity at full build out	May 26	
Comp Plan – Housing Element	June 2	June 9
Comp Plan – Land Use Element	June 2	June 9
Winslow Subarea Plan	June 2	June 9
Development Regulations (Ord. 2026-04, Ord. 2026-05)	June 9	June 23

Fiscal Impact:

Community Engagement and Outreach:

Attachments:

1. Comp Plan Draft approach for CC 05122026

Suggested Council Review Process for the Comprehensive Plan

May 12, 2026

- Start with optional elements, those with significant discussion and plans of community interest
- Schedule special business meetings on June 2 and June 16 (Cancel regular study session on June 16)
- Encourage Councilmembers to provide motions for the packet

Suggested Council Review Process for the Comprehensive Plan

May 12, 2026

Item	Introduce, Consider Motions	Review, if needed
Comp Plan – Introduction	May 12	May 26
Comp Plan – Cultural Element	May 12	May 26
Comp Plan – Human Services Element	May 12	May 26
Island-Wide Mobility Plan	May 12	w/Transp. Element
Groundwater Management Plan (presented by Keta Waters)	May 12	June 23
Comp Plan – Environmental Element	May 19	May 26
Comp Plan – Economics Element	May 19	May 26
Comp Plan – Capital Facilities Element	May 19	May 26
Comp Plan – Utilities Element	May 26	June 9
Comp Plan – Water Resources Element	May 26	June 9
Public Hearing	Schedule June 2	Hold June (TBD)
Comp Plan – Transportation Element	May 26	June 9
Consider request to develop Land Capacity Analysis and Infrastructure capacity at full build out	May 26	
Comp Plan – Housing Element	June 2	June 9
Comp Plan – Land Use Element	June 2	June 9
Winslow Subarea Plan	June 2	June 9
Development Regulations (Ord. 2026-04, Ord. 2026-05)	June 9	June 23

Meeting Date Summary

May 12, 2026

May

- **May 12 – Regular Business Meeting**
- **May 14 – Planning Commission Public Hearing on** Comprehensive Plan Update and accompanying ordinances
- **May 19 – Regular Study Session**
- **May 26 – Regular Business Meeting**

June

- **June 2 –**
  - Consider scheduling as special business meeting
  - Schedule City Council Public Hearing
- **June 9 – Regular Business Meeting**
- **June 16 – Regular Study Session**
  - Hold Public Hearing (tentative)
- **June 23 – Regular Business Meeting**
  - Consider approval of Comprehensive Plan Update and associated legislation (tentative)
- **June 30 - no meeting scheduled**

CITY OF
BAINBRIDGE ISLAND

City Council Regular Business Meeting Agenda Bill
Tuesday, May 12, 2026

Agenda Item: (7:50 pm) Consider Introduction to the Comprehensive Plan

Department: Planning & Community Development

Agenda Section: Regular Business

Estimated Time: 20 Minutes

Recommendation:

I move to forward the Introduction to the Comprehensive Plan to a future Council meeting for consideration of approval.

Narrative:

The Council begins its review and recommendation of the Citywide Comprehensive Plan with the *Introduction* chapter, the *Cultural Element*, and the *Human Services Element.* Changes shown reflect only essential changes to each chapter in strikeout/underline format.

The *Introduction* chapter includes the City's Guiding Principles, which have been updated in the version presented. The updated version is the result of process including review by a steering committee of Councilmembers and members of the Planning Commission, drafts and feedback from the City's Race Equity Advisory Committee (REAC), and review by the Planning Commission. That work product is included here for Council and community review.

BACKGROUND: The periodic update to the City's Comprehensive Plan was due on December 31, 2024. The City Council adopted Resolution 2025-18 directing the Planning Commission and staff to make progress on completing the plan update so that the City Council can work on plan adoption by June 2026.

State law requires local Comprehensive Plans to look out twenty years to plan for future population, housing, and employment, the amounts of which are established by state and regional agencies. For the first time ever, a new state law requires local governments to plan for and accommodate housing types for all income levels.

The current periodic Comprehensive Plan update will advance the City's planning horizon from 2036 to 2044. The Winslow Town Center is the City's most populated center and supports urban levels of services for its residential and employment base. The 2044 Comprehensive Plan will focus population and employment growth primarily in the Winslow area. This is in keeping with the City's current long-term growth strategy, which supports new population and employment in the Winslow area while conserving sensitive environmental areas, open spaces and forests outside Winslow Town Center. A Subarea Plan for the Winslow town center is a key component to the Comprehensive Plan update.

The Planning Commission reviewed and provided recommendations on all sections of the Comprehensive Plan and provided recommendations on the goals and policies of the Winslow Subarea Plan. In accordance with Resolution 2025-18, only those updates that are essential to complying with state comprehensive plan mandates were considered. This resulted in work on some items being deferred to a time after adoption of the comprehensive plan.

Maps and supporting graphics have been prepared among the elements to assist with City Council review.

Additional information about the update to the Comprehensive Plan can be found on the project website: https://cityofbainbridgeisland.civilspace.io/en/projects/2024-comprehensive-plan-periodic-update

Fiscal Impact:

Community Engagement and Outreach:

Attachments:

1. Draft Updated INTRODUCTION

COMPREHENSIVE PLAN INTRODUCTION

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NOTE: WILL UPDATE PAGES NUMBERS WITH LATER DRAFT

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THE FUTURE – NAVIGATING BAINBRIDGE……...8

VISION – BAINBRIDGE 2044 ~~2036~~……...9

GUIDING PRINCIPLES……..……..……...11

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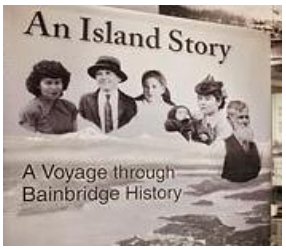
BAINBRIDGE ISLAND Past, Present and Future

BAINBRIDGE ISLAND HISTORY



This historical overview provides a foundational perspective to aid community planning in better understanding and preserving the rich and multifaceted history of Bainbridge Island.

Land

Bainbridge Island is split into two geologic areas, with the southern third composed of sedimentary bedrock approximately thirteen to thirty million years ago. Lying on a seismic fault line, its most prominent feature is the steep gradient at Bill Point, a backdrop for Rockaway Beach. This fault runs from Eagle Harbor to Seattle. Together with other active faults, a 9.0 plus earthquake involving the North American and Juan de Fuca Plates is a valid disaster potential for Bainbridge Island. Fortunately, only three earthquakes over 6.0 have occurred since World War II: in 1949, 1965, and 2001.

Successive glacial periods left behind deep bodies of water and numerous islands from Puget Sound to Alaska. Resulting deep water sheltered harbors and acidic topsoil influenced human settlement. The primary concern for the Island's southern third is limited water supply caused by impenetrable bedrock. The northern two-thirds, with Eagle Harbor as the dividing line, is composed primarily of sand, clay, and gravel deposits. While still commercially extracted, their primary benefit is an easily accessible ground water source.

People

Suquamish Ancestors first inhabited Bainbridge Island and the Kitsap Peninsula around 13,000 years ago and continue to live in the area to the present day. The Suquamish People occupied winter villages and seasonal camps throughout the island as they fished, hunted, collected shellfish, and gathered plants and other vegetation resources. Several areas on the island have religious significance to Tribal members and some areas near the marine shoreline were burial sites. Many significant cultural resources have been documented along the contemporary marine shoreline of Bainbridge Island. Inland portions of the island have not been investigated as intensively as shoreline landforms but likely have evidence of past Suquamish land use.

The "discovery" of the Island came in 1792 with the arrival of George Vancouver. The United States showed little interest in the region until the Louisiana Purchase and the Lewis and Clark expedition. In 1841 Captain Charles Wilkes entered Puget Sound to map the area. He designated Bainbridge Island as an island rather than a peninsula and named it for the War

of 1812 commander, Commodore William Bainbridge. He also named Eagle Harbor, Bill Point, Wing Point, Port Blakely, Port Madison and Point Monroe.

Non-native settlement of the Island began in 1853 when George Anson Meigs ventured into Puget Sound to establish a lumber mill to serve the San Francisco market. He purchased an existing mill near present day Kingston and relocated it to Port Madison. The treaty of Point Elliot ceded any Suquamish claims to Bainbridge Island and Meigs laid claim to the northern third of the Island through the US Patent Office. The Meigs Lumber and Shipbuilding Company was born and soon the mill town of Port Madison had all the accoutrements of a late 19th-century mill town.

Peaking in the 1870s, Port Madison declined slowly until ceasing operations in 1890. Concurrent to its demise, the Port Blakely Mill, owned by Captain William Renton, was ascending after relocating from Port Orchard in 1865. It reached its peak in 1890 as the largest lumber mill in the world. Also at this time, the Hall brothers relocated their ship building business from Port Ludlow to Port Blakely to become one of the best-known names in the business.

Port Blakely's success laid the foundation for additional industries and eventual reshaping of the Island's human geography. The mill and shipyard attracted immigrants from around the globe notably from Scandinavia and Japan. The Hall brothers expanded their operation with a move to Eagle Harbor in 1903. The Pacific Creosote Company was located across the harbor near Bill Point. Port Blakely Mill closed in 1922 resulting in a refocus of commercial activity to the Eagle Harbor area.

Commercial *agriculture* centered on strawberry *farms* developed by Japanese immigrants who originally came to work at Port Blakely. The acidic soil proved ideal for the seasonal cultivation of strawberries. Japanese families used their American born children as title holders, since immigrants were not allowed to become citizens or own property. Large tracts of wasted timberland were purchased, cleared of stumps and debris, and successfully farmed for generations. A grower's association was formed to aid marketing.

World War II abruptly altered Bainbridge Island's economy. Executive Order 9066 ordered West Coast Japanese relocated to internment camps for the war's duration. This resulted in a severe disruption of strawberry farming from which it never fully recovered. Following exclusion of the Japanese-American community, many Filipinos managed the strawberry *farms* and businesses.

Modern Development

Scheduled auto ferry service from the Island to Seattle commenced in 1937 and solidified Winslow's identity as the Island's urban center. Both the middle school and high school were located there. Prior to this, passenger only ferries, locally known as the, "mosquito fleet," had made scheduled stops at a number of small coastal communities around the Island. A significant development in the initial postwar years was the completion of the Agate Pass Bridge and State Highway 305 in 1950, directly linking the Island to the Kitsap Peninsula.

Postwar Bainbridge Island transitioned from rural to suburban with the advent of a convenient commute to Seattle and the peninsula. Regional economic changes caused increasing numbers of people to relocate here, especially during the 1960's and 70's. Farming and local industries remained important, but were no longer the economic mainstay

they were historically. A proposed major shopping center and housing development in the late 1980's precipitated a move by a group of Islanders to seek local control by becoming an incorporated city.

Despite i~~I~~ncorporation ~~however~~, Bainbridge Island remains a desired place to live ~~has done little to slow growth~~, especially with increasing regional population pressure stemming from Puget Sound's burgeoning technology industry. According to the US Census Bureau American Community Survey (ACS), the 2022 median family income on Bainbridge Island ~~(2009-2013)~~ was $151,290 ~~95,481~~ compared to Kitsap County and ~~the whole of~~ Washington State at $93,675 and $90,325 ~~59,478~~, respectively. In 2022, t~~T~~he ~~average home value~~ median sales price of a single-family home on the Island ~~(2009-2013)~~ was $1.5 million ~~551,700 compared to the state average of $262,100~~. Comparatively, Kitsap County's median home sale value in June 2022 was $600,000, about 39 percent the size of Bainbridge Island's median value.

The 2008 recession temporarily postponed a restructuring of Winslow's downtown core. The subsequent economic upturn has since seen its completion, but also fostered controversial projects such as the shopping complex at State Highway 305 and High School Road.

History is a continuum and the preservation of historic buildings and resources by a community is an ongoing autobiographical undertaking. The results of historic preservation choices become a legacy for future generations to appreciate, learn from and live by.

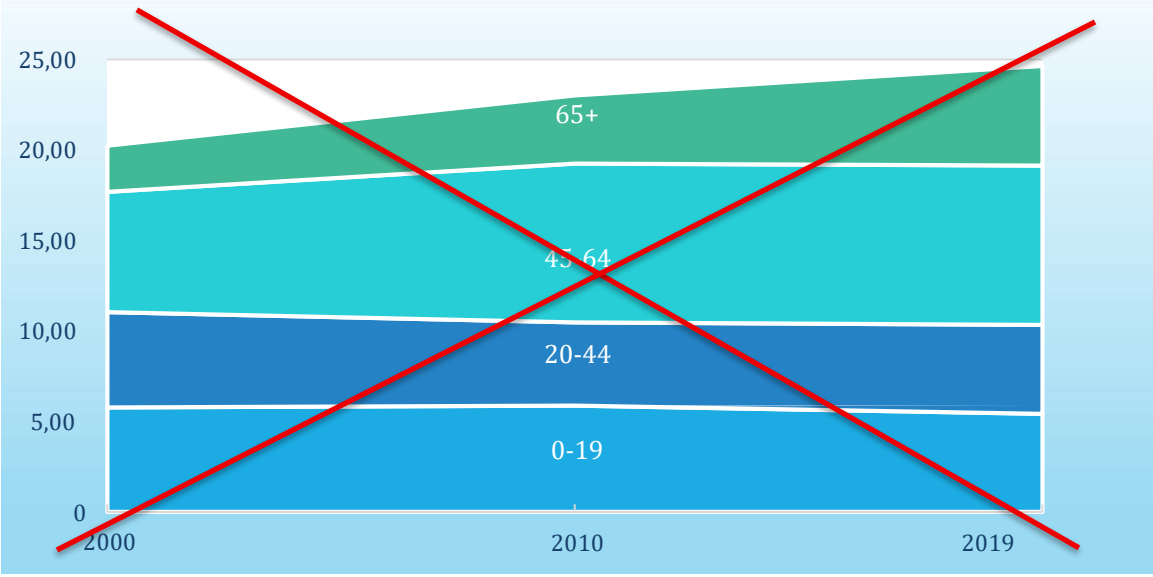
BAINBRIDGE ISLAND TODAY

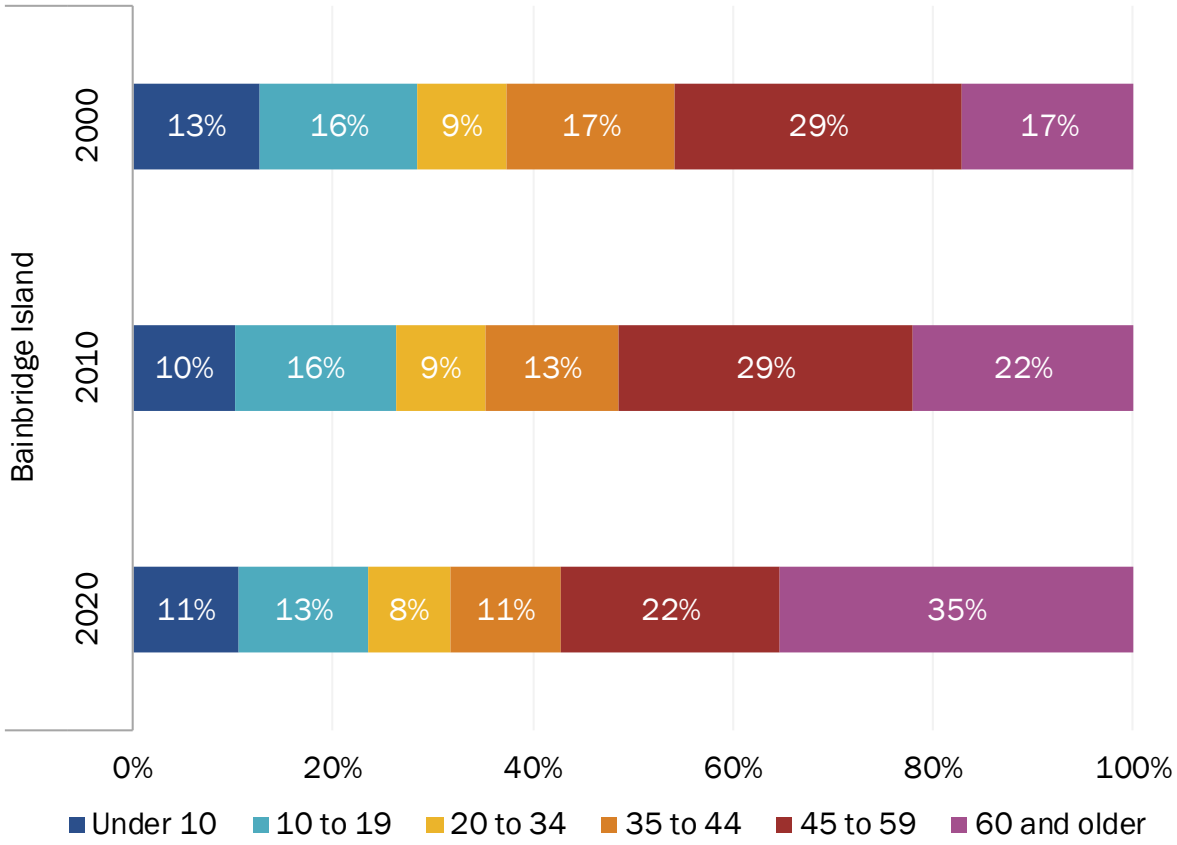
People

The population of the Island in ~~2015~~ 2022 was ~~23,850~~ 25,060, which was a modest increase from the ~~2010~~ 2020 population of ~~23,025~~ 24,825. Demographically Bainbridge Island is predominantly white (~~91~~ 85%) ~~while the Hispanic, Asian and mixed race portions of the population are roughly 3% each. 7.4% of the Island's population is foreign-born.~~ Black or American Indian/Alaskan Native persons each make up 0.2%, while persons identifying as Asian or Hispanic each make up over 3% of the Bainbridge Island population. The number of people identifying as two or more races increased between 2010-2022, from 4.7% to 6.4% of the Bainbridge Island population.

Islanders are relatively well-educated with ~~66.6~~ 74 % of the adult population (25+ years of age) having a bachelor's degree or higher, and 34% having a graduate or professional degree. In 2020, w~~W~~ith the majority of the population above 45 years of age, the composition of the Bainbridge Island population (57%) is markedly different than that of both Kitsap County (44%) and Washington State (41%). The median age of Bainbridge Islanders in ~~2016~~ 2020 is ~~49~~ 50 years old, which is ~~nearly~~ more than10 years older than that of Kitsap County (39 years old) ~~and 12 years older than that of Washington State~~.

Fig. IN-1 Population Age Cohorts 2000 to ~~2019~~ 2020



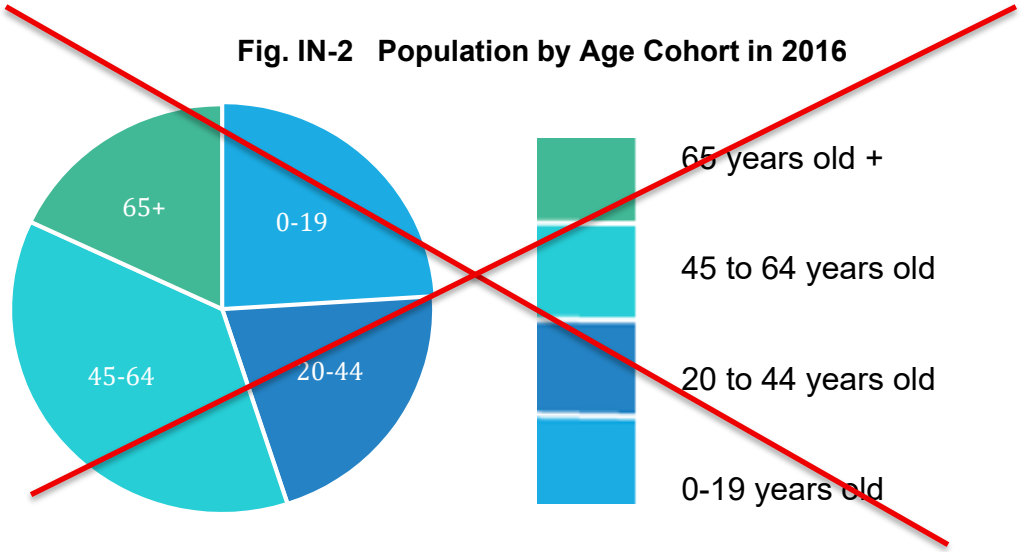


Source: 2000-~~2010~~ 2020 U.S. Census and Experian Census Area Projections & American Community (ACS) 5-year data.

Bainbridge Island's population is relatively affluent. The trend line from the years 2000 2010 through ~~20159~~ 2020 indicates ~~relative~~ a 13% increase~~s~~ in yearly household incomes above ~~$100,000~~ $150,000 and corresponding decreases in the percentage of households earning

below $100,000, from 53% in 2010 to 40% in 2020. The 20% of households earning between $100,000-$149,999 is estimated to have remained the same between 2010-2020. Source: U.S. Census, Community (ACS) 5-year data 2006-10 and 2016-20 estimates. More detailed data about population demographics, including household incomes and housing affordability, are presented in the Bainbridge Island Housing Needs Assessment ~~and the Bainbridge Island Economic Profile, which are Plan~~ Appendix~~ces~~ B ~~C and A, respectively.~~

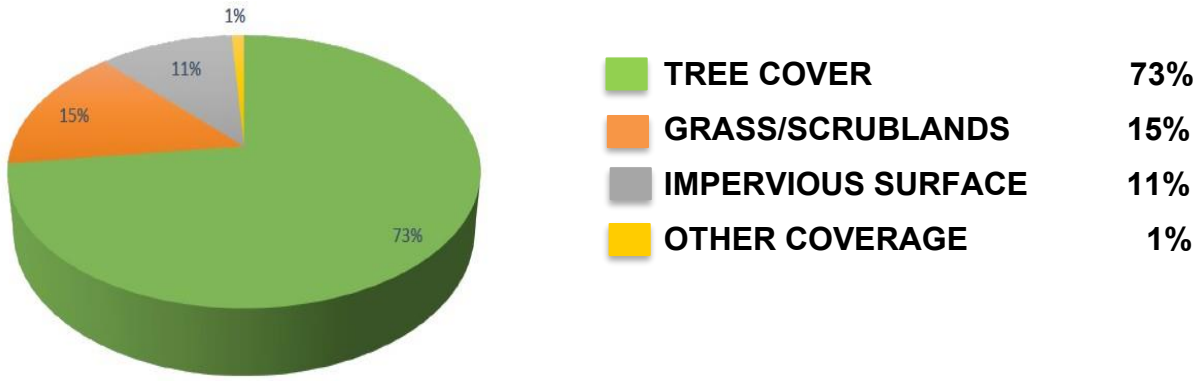
Fig. IN-2 Population by Age Cohort in 2016



Island-wide Land Profiles

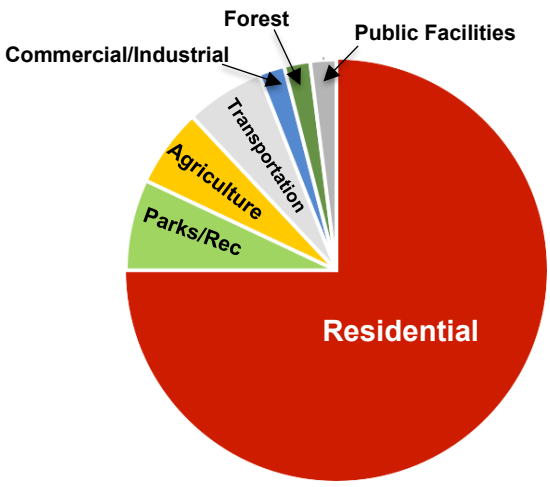
Almost 88% of the twenty-six square miles of the Island's land coverage is either tree cover or grass/scrublands. The developed portions of the Island constitute impervious surface totaling about 11% of its land area.

Fig. IN-3 Land Coverage Types



The predominant land use on Bainbridge Island is residential (73~~5~~%), with forest, *agriculture*, parks~~/recreational~~ lands totalling another 16~~5~~%. The remaining 11~~0~~% of the Island is transportation (6%), Mixed Use/Commercial/Industrial (3~~2~~%) and Public Facilities (2%). See Fig. IN-4.

Fig. IN-4 Land Use Types



RESIDENTIAL	**73~~5~~%**
PARKS~~/RECREATION~~	**8~~7~~%**
AGRICULTURE	**6%**
TRANSPORTATION	**6%**
MIXED USE/COMMERCIAL/INDUSTRIAL	**3~~2~~%**
PUBLIC FACILITIES	**2%**
FORESTRY	**2%**

The protection and support of existing *farms* and the preservation of prime agricultural lands and *farms* of local significance are important *goals* of the residents of Bainbridge Island. Agricultural lands provide *open space*, habitat, *groundwater* recharge, local food production with fewer transportation impacts and cultural value. Their protection can augment *sustainability goals*.

Farming on the Island provides economic, social, aesthetic and nutritional benefit to the community. Equally important, protection of agricultural lands will enhance the cultural and economic diversity and help retain the Island's rural character. *Open space* dedicated to *agriculture* also conserves environmental resources.

Farm operations on the Island are unique. Small *farms* ranging in size from 1 acre to 40+ acres, are mostly dispersed throughout the Island with some clustering in a few locations. The specialty, high-intensity, small *farms* will continue to be an important adjunct to farming in the future.

The City currently owns sixty acres of public farmland that has been managed under contract by a non-profit organization. That organization also works with private landowners, seeking ways to increase the amount of land used for food production, and to conserve the land for agricultural uses over the long term. To preserve public farmland, the City *should* consider designating its public farmland properties as Agricultural Resource Land (ARL) consistent with WAC 365-190-050. Other non-profits are also involved in promoting *agriculture* on Bainbridge.

Agriculture is a vulnerable enterprise in any rapidly growing area. As land values continue to rise the economic viability of *farms* on Bainbridge Island depends on the farmers' industry and ingenuity and on public policies that provide incentives and tax relief.

HISTORY OF COMPREHENSIVE PLANNING ON BAINBRIDGE

The ~~2016~~ 2024 Update is the ~~second~~ third major revision to the *Comprehensive Plan*. The first Plan was officially adopted in 1994. Work on the first Plan began in 1990 when then Mayor Sam Granato appointed members to the *Comprehensive Plan* Advisory Committee (CPAC). This was soon after residents in the unincorporated area of Bainbridge (population of 12,000; area of 17,700 acres) voted to annex into the City of Winslow (population of 3,000; area of 2,800 acres) and form the City of Bainbridge Island.

The timing for forming CPAC in 1990 was fortuitous, as the State of Washington that same year passed the *Growth Management Act*. The very first section of the GMA reads:

> The legislature finds that the uncoordinated and unplanned growth, together with a lack of common goals expressing the public's interest in the conservation and wise use of our lands, pose a threat to the environment, sustainable economic development, and the health, safety, and high quality of life enjoyed by residents of this state. It is in the public interest that citizen, communities, local governments, and the private sector cooperate and coordinate with one another in comprehensive land use planning.
>
> RCW 36.70A.010

With the two parts of Bainbridge Island joined by annexation, CPAC was charged with creating a plan for the entire island. Twenty staff members of CPAC and 130 citizens from around the Island made a fresh start at planning for the Island as a whole. A 17-member citizen participation committee was charged with obtaining broad community participation and carried out a telephone survey and 16 focus groups.

The 1994 version of the *comprehensive plan* covered five elements (Land Use, Housing, Water Resources, Transportation and Capital Facilities). Two more elements were later added: the Cultural element in 1998 and the Economic element in 1999. Around 50 architects, engineers and other citizens contributed to a Winslow Design Workshop as part of the 1994 planning. This eventually led to the adoption of the Winslow Master Plan approved in May 1998. A sub-area ~~*master*~~ *plan* was adopted for Lynwood Center in 1997. A number of amendments to the *Growth Management Act* and the Bainbridge Island *Comprehensive Plan* have been adopted in the intervening years between 1994 and the present.

A state-mandated update of the *Comprehensive Plan* began in 2000 and was completed in 2004. A steering committee was appointed consisting of three city council members and three planning commissioners, who were supported by City staff. The update consisted of three phases. Phase One produced a "Staff Review 2000", which contained a review of actions to implement the plan and recommendations for revising some of the goals and policies. In addition, the "Community Values Survey Report" was published in July 2000. This survey showed that community values and visions had not changed significantly since 1994. The most significant changes made in 2004 were the creation of the Environmental Element (based on portions of the Land Use Element) and a Human Services Element.

'Winslow Tomorrow' was an ambitious planning process begun in 2004 that led to revision of the Winslow *Master Plan* in 2006 and the ongoing modernization of Winslow's infrastructure. Another significant milestone in the City's planning history was the issuance

in 2007 of the Final Report of the Mayor's 2025 Growth Advisory Committee. That document laid the groundwork for portions of the 2016 *Comprehensive Plan* update, including the concept of designating several centers for future growth on the Island.

The City began its work on the 2016 update the *Comprehensive Plan* in 2014. At the time, the existing land use population and employment capacity was sufficient to meet the 2024-2036 population and employment targets, therefore it was not necessary to intensify or change any land use or zoning at that time. Through this update, the City confirmed its growth strategy to focus or incentivize growth in *designated centers* and promoting stewardship in the *conservation area.* The *Plan* Vision statement was updated and Guiding Principles added. The updated *Plan* was approved by the City Council in February 2017.

This brings us to the development of the 2016 2024 *Comprehensive Plan*.

~~THE FUTURE: NAVIGATING~~ BAINBRIDGE ISLAND 2044

From 2023 ~~2014~~ through 2026 ~~2016~~, the City of Bainbridge Island undertook the update of the *Comprehensive Plan* (the Plan). This project, led by the integrated project to update the Winslow Subarea Plan, ~~titled "Navigate Bainbridge,"~~ involved an extensive public outreach program that engaged hundreds of citizens in dozens of public meetings, workshops, open houses and public hearings culminating in the adoption of the Plan by the City Council.

The ~~2016~~ 2024 update of the Plan was prepared pursuant to the authority and requirements of the *Growth Management Act* (*GMA*) which is codified in the Revised Code of Washington (RCW) as Chapter 36.70A. The *GMA* has been amended to require~~s~~ that the Plan be reviewed and updated at least every ~~eight~~ ten years, instead of eight years, which means the periodic update cycle for Bainbridge Island is ~~2016,~~ 2024, 2034~~2~~ and so on.

Since the 2016 update, the *GMA* has been amended by Washington State House Bill 1220 to require that in addition to planning for population employment growth, local governments must 'plan for and accommodate' housing affordable to all income levels. As such, the Department of Commerce was directed to project future housing needs for each county in the state, and to allocate projections according to income bracket (i.e. extremely low income, very low income, etc.). In 2023, the City of Bainbridge Island collaborated with Kitsap County and the other cities in Kitsap County, through the Kitsap Regional Coordinating Council (KRCC), to review the housing allocation methodology and ultimately establish housing allocations by income bands, to be utilized through each jurisdictions Comprehensive Plan Update process. On June 6, 2023, the KRCC Executive Board unanimously voted to add the recommended housing allocations to the Countywide Planning Policies as Appendix F.

The specific requirement to plan for lower income housing units meant that unlike the 2016 periodic update, the City would have to intensify zoning and land use in some areas and adopt additional affordable housing tools to demonstrate compliance. It has long been recognized that the Winslow area, well served by transit and utilities, is the best place to accommodate affordable housing, and the bulk of the discussion has taken place through the concurrent update to the Winslow Subarea Plan. Although these discussions have been heated at times, the changes made with this 2024 Plan update are generally already supported by Plan *goals* and *policies* adopted in the 2016 Plan update, or earlier.

Among its many provisions, the *GMA* requires that the Plan must have sufficient land capacity and urban services adequate to accommodate at least the next twenty years of growth. This Plan provides for sufficient land and urban services to accommodate the City's growth allocation through the year 2044 ~~2036~~, however it also uses a longer time horizon where appropriate. For example, policies in this Plan recognize that the life cycle of a sustainably built environment is multi-decade while planning for natural systems and addressing climate change requires a multi-generational perspective.

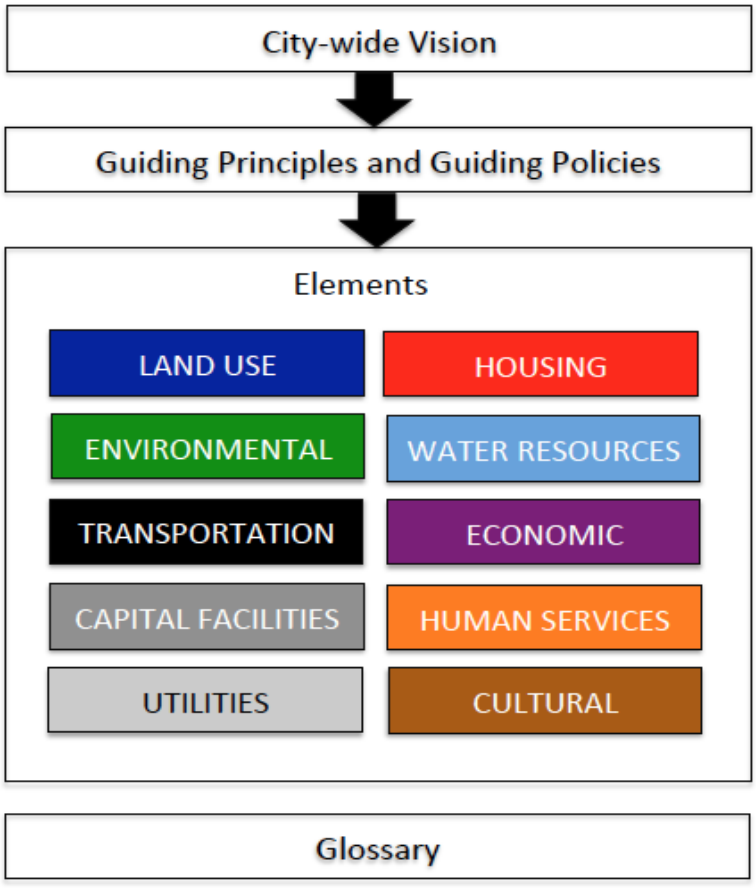
The *GMA* also requires that the Plan provide for sufficient *capital facilities* (e.g., roads, sewer and water, parks, public buildings) to accommodate the City's twenty-year allocations of population and employment growth. This Plan does so. While the *GMA* does not require a *comprehensive plan* to provide *policy* direction to a jurisdiction's operating budget,

the *Guiding Principles* of the Bainbridge Island Plan explicitly state this Plan provides direction to both the capital and operating budgets.

The Plan is organized as follows: it begins with a City-wide *Vision* that describes the preferred future for Bainbridge Island in the year ~~2036~~ 2044. That is followed by eight *Guiding Principles* and associated Guiding Policies that provide substantive direction to the ten Elements (i.e., chapters) of the Plan. They also provide direction to the City's *functional plans* such as its parks, stormwater and utilities plans.

In addition, the Plan's *Vision*, *Guiding Principles* and Policies, and Elements communicate the City's priorities to the other units of government responsible for providing services to the Island community. This includes the Bainbridge Island Fire Department, Park and School Districts, and the Washington State Department of Transportation, all of which prepare functional and operating plans to provide their respective services and facilities to Island residents. The relationship between the components of the *Comprehensive Plan* is illustrated in Figure IN-5.

Fig. IN-5 Comprehensive Plan



The *GMA* requires that a *comprehensive plan* include ~~five~~ six "mandatory" elements: Land Use, Economic, Housing, Transportation, Capital Facilities, and Utilities. The *GMA* gives specific direction about what information and local policy decisions must be contained in each of these mandatory elements. This Plan includes all the mandatory elements and sets forth the City's preferred policies in each.

Cities are authorized to adopt additional "optional" elements. This Plan includes ~~five~~ four optional elements: Environmental, Water Resources, ~~Economic~~, Human Services and Cultural.

The ten Elements in this Plan each contain three distinct components: a *Vision* Statement, Goals and Policies, and a list of prioritized Implementing Actions. Terms that are defined in this

BAINBRIDGE ISLAND VISION 2044 ~~2036~~

Bainbridge Island's people reflect a range of ages, ethnicities, household sizes, livelihoods and personal aspirations ~~– we are 28,660 individuals~~ who share a strong sense of community and a commitment to environmental stewardship. We respect this legacy of the generations that came before, beginning with the Island's indigenous people, followed more recently by European and Asian immigrants who built timber, maritime and agricultural economies.

Bainbridge Island is home to a diverse mix of people including farmers, artists, students, business professionals, service employees and retirees. We are an optimistic, forward-looking and welcoming people - open to new ideas, industrious business people, new and traditional cultures, and people of all ages and backgrounds. There is no word for exclusion in Lushootseed, the language of the first peoples of Puget Sound.

Our success at balancing the inter-dependent goals of environmental stewardship, economic development and the needs of our people is evident in the many ways we have accommodated growth, addressed the impacts of *climate change* and conserved our environment.

Bainbridge Island's water resources are climate resilient and are able to sustain all forms of life on the Island. *Aquifers* are continuously monitored and managed to maintain our supply of fresh water at a level that meets the high standards for drinking. Education on water conservation has resulted in a significant reduction in the average water consumption per household and *low impact development* techniques applied to all land uses and redevelopment helps to recharge the Island's *aquifers*.

Winslow, Lynwood Center and the Island's other *neighborhood centers* have gracefully evolved into compact, mixed-use, human-scaled and walkable places. They are the thriving centers of civic life, cultural amenities, goods, services and a wide range of housing and employment opportunities. These centers are pedestrian districts, linked to each other and the region by a network of walkways, bicycle trails and *transit* that promote healthy lifestyles and reduce the Island's *greenhouse gas emissions.*

Bainbridge Island's other taxing districts, Bainbridge Island Metropolitan Park & Recreation District, Bainbridge Island School District, Bainbridge Island Fire District and Kitsap Regional Library through Bainbridge Public Library all play significant roles in making this a healthy community.

Affordable housing is available for much of the local service sector workforce. Improvements in communication infrastructure have enabled more successful local enterprises, including home-based business.

The Island is a national destination for visitors to experience artistic excellence and learn about *sustainability* and resilient community development. Local employment opportunities are diverse including small manufacturing, artisanal crafts, high tech, e-commerce, arts and food. Small retailers are thriving by serving the needs of local residents as well as visitors.

A robust non-profit sector strengthens *social capital* while providing services and employment opportunities.

Outside of the *designated centers* the predominant land use pattern is lower density with lower building heights which minimizes the footprint of the built environment and maximizes the protection of tree canopy, *aquifers*, surface waters and *fish and wildlife habitat*. The Island's broad conservation landscape of canopied woodlots, parks and saltwater shorelines is dotted with working *farms*, historic structures and a housing stock that has become more compact, energy-efficient and well-integrated into the landscape.

Agriculture is a thriving part of the Island's economy. All City-owned agricultural land is under cultivation and produces seasonal foods for local consumption. The number of *farms* on private acreage has increased and is supplementing the local food supply. Capital facilities planning has kept up with changes in the natural and built environments, meeting the needs of a population that expects a high *level of service*. All residents have reliable electric power, telecommunication services to meet their needs, potable water, solid waste and recycling services, and storm water facilities that prevent flooding and erosion while eliminating pollutants before the water enters Puget Sound.

The good will, imagination and pragmatism of our citizens foster an environment in which we engage with, listen to, and learn from one another. Bainbridge Island functions as a caring community that provides human services where needed to maintain the well-being of all its members, where every person feels connected to the community and where each individual has opportunities.

Community cultural planning sets direction for integrating the arts, humanities and history with urban design, economic development, education and other initiatives that nurture the quality of life on Bainbridge Island.

Artistic creativity and humanistic inquiry advance other community goals such as economic vitality, quality education, and community planning and design. Investments in the arts and humanities are investments in the growth of the community, enriching the lives of its residents and making Bainbridge Island a better place to live.

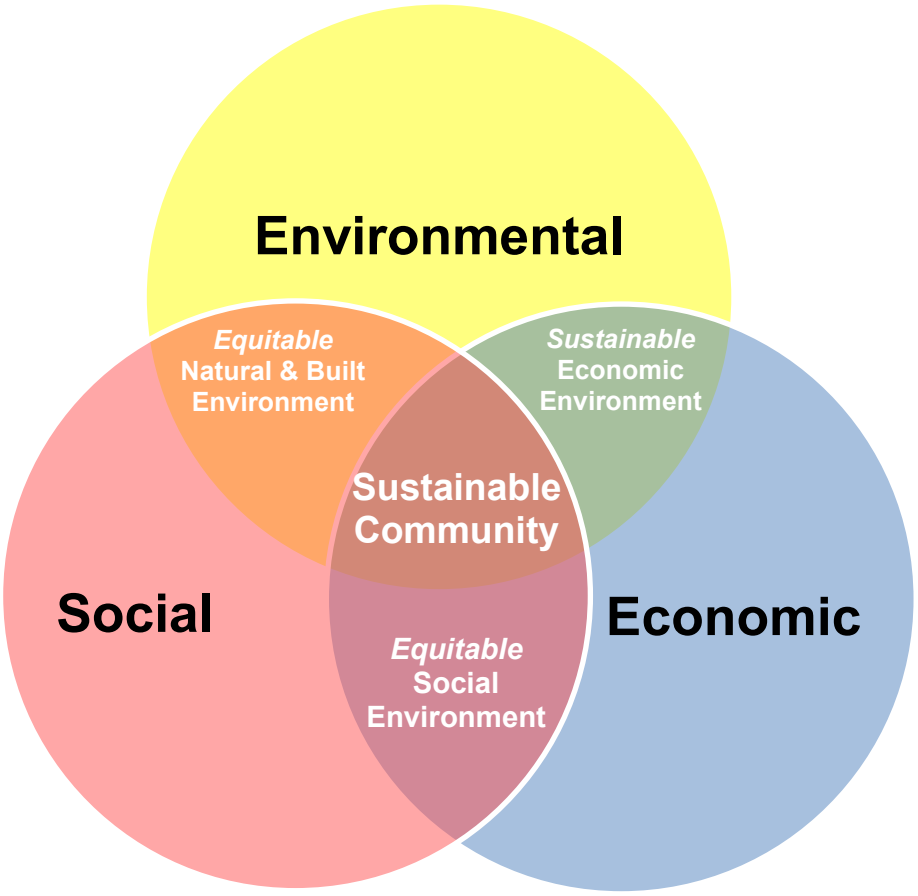
GUIDING PRINCIPLES

While the *Vision* describes a preferred future outcome for Bainbridge Island, the *Guiding Principles* and associated Guiding Policies provide the *policy* direction needed to navigate toward that desired future.

Guiding Principle #1

Uphold and balance the three pillars of a sustainable community – environment, economy, and social equity – in our decision-making.

Fig. IN-6 *Sustainable Community*



Guiding Principle #2 ~~1~~

Preserve the ~~special~~ distinctive character of the Island, ~~which includes~~ including the pedestrian-friendly, small-town scale of downtown Winslow~~'s small town atmosphere and function~~, the Island's historic buildings, ~~extensive forested areas~~ forests, meadows, *farms*, marine connections ~~views and access~~, and scenic ~~and winding~~ roads ~~supporting all forms of transportation~~.

Guiding Policy ~~1~~2.1
Develop an island-wide conservation strategy to identify priority conservation, nature and scenic areas ~~and apply effective methods to preserve the natural and scenic qualities~~ that make the Island a special place, including ~~better~~ protection ~~for~~ of the shoreline, trees, soils, native plants, and dark skies ~~*farms*~~.

Guiding Policy ~~1~~2.2
Accommodate new growth necessary to meet the Island's identified needs for housing, goods, services and jobs in *designated centers* ~~that meet the Island's identified needs for housing, goods, services and jobs~~ while ~~respecting conservation~~ conserving resources and protecting the natural ~~and~~ environmen~~tal protection priorities~~.

Guiding Policy ~~1~~2.3
Recognize that the Island's development patterns shape its character and use the development review process to ensure new development embraces the character of the Island. ~~The built environment represents an important element of the Island's special character. Improve the quality of new development through a review process that implements the community *vision* and supports long-term goals for the preservation of the Island's special character.~~

Guiding Principle #3

Make Bainbridge Island accessible and welcoming to all people, regardless of economic, racial, physical, or social attributes, and honor our island's rich, complex, and multicultural history, including its status as the ancestral land of the Suquamish Tribe.

Guiding Policy 3.1
Invite racial and economic diversity by addressing the lasting results of laws, policies and culture that excluded certain groups from life and prosperity on Bainbridge Island, such as the Treaty of Point Elliot, racial housing covenants, the incarceration of Japanese Americans during WWII, discrimination faced by the Indipino community, and the impacts of the increasingly high cost of housing.

Guiding Policy 3.2
Ensure a variety of housing choices to meet the needs of present and future residents in all economic segments and promote plans, projects and proposals to create affordable housing.

Guiding Policy 3.3
Make budget and policy decisions that adequately consider the safety and well-being of all who live on, work on, or visit Bainbridge Island.

Guiding Policy 3.4
Uplift historically silenced stories with vital present-day lessons, like our treasured Japanese Exclusion Memorial's reminder: "Nidoto Nai Yoni" —"Let it Not Happen Again."

Guiding Policy 3.5
Support, protect and enhance the value of the arts and humanities as essential to education, quality of life, economic vitality, the broadening of mind and spirit, and as treasure in trust for our descendants.

Guiding Principle # 4

Ensure land use decisions recognize that the Island's environmental resources are finite and must be maintained at a sustainable level.

Guiding Policy 4.1
Manage development to remain within the Island's carrying capacity.

Guiding Policy 4.2
Encourage green building and conservation practices that support the sustainable use of the Island's limited resources.

Guiding Policy 4.3
Preserve and enhance the Island's natural systems and beauty by protecting and enhancing wildlife, fish resources and natural ecosystems on Bainbridge Island.

Guiding Policy 4.4
Recognize and protect the usual and accustomed fishing areas of neighboring tribes.

Guiding Principle # 5 ~~2~~

Manage the water resources of the Island to protect, restore and maintain their ecological and hydrological functions and to ensure clean and sufficient *groundwater* for future generations.

Guiding Policy 5 ~~2~~.1
~~Manage the water resources of Bainbridge Island for the present and the future, recognizing~~ Recognize that ~~the Island's finite~~ *groundwater* ~~resources [~~*aquifers*~~]~~ are the Island's sole source of ~~our residents'~~ water ~~supply~~ and are essential for sustaining ~~are critical perennial sources for our~~ surface waters and the ecosystems they support. Apply the precautionary principle where proposed actions pose uncertain risks to these resources.

Guiding Policy 5 ~~2~~.2
~~As part of long-range land use planning,~~ C~~c~~onsider the impacts of future development to the quality and quantity of water that will be available to future Islanders and to the natural environment. Maintain sustainable *groundwater* withdrawal, protect aquifer recharge areas, guard against seawater intrusion and prevent adverse impacts to water quality from surface pollution.

~~**Guiding Policy 2.3**~~
~~Preserve and protect the ecological functions and values of the Island's *aquatic resources*.~~

Guiding Policy 5.3 ~~2.4~~
Anticipate and prepare for the consequences of *climate change* ~~on our *aquatic resources.* These changes~~ includinge sea level rise and~~,~~ altered precipitation patterns~~, as well as any other changes in climate and community response to climate in order~~ to ensure ample quality, quantity and seasonal integrity of surface ~~water~~ and *groundwater* for the Island's people and ecosystems.

Guiding Policy 5.4 ~~2.5~~
Create a ~~Bainbridge Island~~ surface and *groundwater* management plan for the purpose of maintaining the long-term health of ~~our~~ the Island's ~~fresh water~~ *aquifers* and ~~surface waters~~ preserving the ecological functions and values of its aquatic resources.

~~**Guiding Policy 2.6**~~
~~Recognize the importance of our water resources to present and future generations of Bainbridge Islanders, and apply the *precautionary principle*.~~

Guiding Policy 5.5 2.7
Recognize the water resource needs of *farms*, home gardens and domestic landscapes ~~and~~ while implementing broad and innovative ~~support planning and~~ conservation measures ~~practices~~ that ensure the sustainable and equitable use of our Island's finite *groundwater* resources.

~~Guiding Principle #3~~

~~Foster diversity with a holistic approach to meeting the needs of the Island and the human needs of its residents consistent with the stewardship of our finite environmental resources.~~

~~**Guiding Policy 3.1**~~
~~Ensure a variety of housing choices to meet the needs of present and future residents in all economic segments and promote plans, projects and proposals to create *affordable housing*.~~

~~**Guiding Policy 3.2**~~
~~Make budget decisions that adequately consider the well-being of all Island residents with the goal of providing opportunities to be contributing members of the community.~~

~~**Guiding Policy 3.3**~~
~~Support, protect and enhance the value of the arts and humanities as essential to education, quality of life, economic vitality, the broadening of mind and spirit, and as treasure in trust for our descendants.~~

Guiding Principle # 6 ~~4~~

Consider the current and future costs ~~and benefits~~ to those living and working on Bainbridge Island, now and in the future, ~~residents and property owners~~ in making *land use* and other policy decisions.

Guiding Policy 6.1
Minimize development, infrastructure, utility, and public service costs that create barriers to affordable housing or contribute to rising living costs and displacement.

Guiding Policy 6.2 ~~4.1~~
Respect the interests of ~~private~~ property owners ~~rights protected by the State and U.S. Constitutions~~, while balancing property rights with the protection of the health, safety and welfare of the community and natural environment.

Guiding Policy 6.3
Promote environmental and economic sustainability by supplementing the State's mandated 20-year plan horizon with a 100 -year perspective that reflects the life cycles of natural systems and cumulative impacts of growth, aligning land use policy and public infrastructure investments with this longer-term view.

~~**Guiding Policy 4.2**~~
~~Recognize that private property rights are not absolute but must be balanced with necessary and reasonable regulation to protect the public health, safety and welfare.~~

~~Guiding Principle #5~~

~~**The use of land on the Island should be based on the principle that the Island's environmental resources are finite and must be maintained at a sustainable level.**~~

~~**Guiding Policy 5.1**~~
~~Regulate all development on the Island consistent with the long-term health and carrying capacity of its natural systems.~~

~~**Guiding Policy 5.2**~~
~~Recognize that the sustainable use of the Island's finite land base is served by *green building* practices.~~

~~**Guiding Policy 5.3**~~
~~Preserve and enhance the Island's natural systems, natural beauty and environmental quality.~~

~~**Guiding Policy 5.4**~~
~~Protect and enhance wildlife, fish resources and natural ecosystems on Bainbridge Island.~~

~~**Guiding Policy 5.5**~~
~~Recognize and protect the Usual and Accustomed fishing areas of neighboring Tribes.~~

Guiding Principle # 7 ~~6~~

~~**Nurture Bainbridge Island as a *sustainable community***~~ **Strengthen the Island's sustainability and resilience by preserving a strong sense of community, ~~meeting the needs of~~ supporting a creative and viable local economy, and meeting the essential needs of its current and future residents ~~the present without compromising the ability of future generations to meet their own needs~~.**

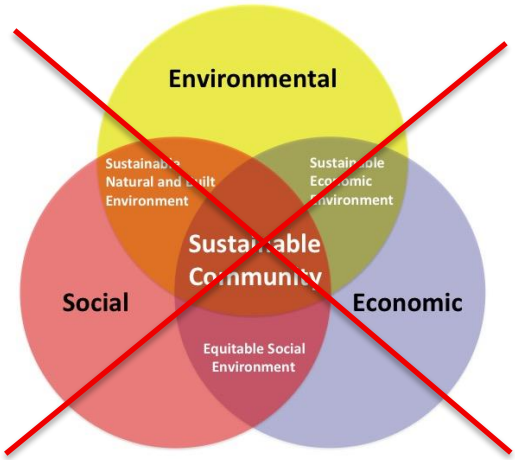
Guiding Policy 7~~6~~.1
Foster a sense of community where people care about and help one another, are drawn to gather in their neighborhoods, at local events, and in a downtown core that is inviting, accessible, and serves the needs of residents and visitors alike.
~~Promote environmental *sustainability* by supplementing the State's mandated 20-year plan horizon with a horizon of one hundred years in order to recognize the longer-term life cycles of natural systems. Tailor *green building* practices and public *infrastructure* investments to be in line with this longer-term perspective.~~

Guiding Policy 7~~6~~.2
Promote an equitable social environment on the Island by addressing basic human needs including *affordable housing* at a full range of affordability, personal health and safety, mobility for all ages and abilities and increased access to human services, civic and cultural amenities.

Guiding Policy 7~~6~~.3
~~Promote economic *sustainability* and work to provide economic opportunities for all community residents.~~ Protect and nurture the creativity and viability of the island economy, including locally-owned street-fronted businesses and other companies and non-profits that provide essential services and meet a variety of needs and interests. Respond to the existential needs of businesses for a larger pool of potential employees by creating affordable housing and transportation alternatives.

Guiding Policy 7~~6~~.4
~~Promote food production as part of the *land use* planning process.~~ Educate and support the community in organizing and preparing for natural disasters and other emergencies; address health and safety issues surrounding the Island's unique geography, infrastructure and limited egress.

~~Fig. IN-6 *Sustainable Community*~~



Guiding Principle #8 ~~7~~

Reduce *greenhouse gas* emissions and increase the Island's *climate resilience*.

Guiding Policy 8 ~~7~~.1
Mitigation: Participate with state, regional and local partners to reduce *greenhouse gas* emissions consistent with the ~~1990~~ 2014 ~~benchmark and~~ levels established by the City's 2020 Climate Action Plan, and future ~~year~~ state and local targets; ~~set forth in state law,~~ educate the public about *climate change*; and promote land use patterns, building practices, and transportation systems that reduce fossil fuel dependence ~~incentivize Island activities including *land use* patterns and building practices that reduce *greenhouse gas* emissions~~.

Guiding Policy 8 ~~7~~.2
Adaptation: Minimize or ameliorate the impacts of *climate change* on our community and our Island's ecosystems through climate-informed policies, programs and *development regulations* such that the costs and benefits of adaptation are shared equally among all

people on Bainbridge Island and our neighbors. Implement and monitor the recommendations of the 2020 Climate Action Plan.

Guiding Policy 8 ~~7~~.3
Evaluate the climate vulnerabilities and implications of City actions and identify policies that alleviate those vulnerabilities. Consider the effects of shifting conditions (sea level rise, changing rainfall patterns, increasing temperatures and more extreme weather events) and the effects they cause (altered vegetation, changing water demands, economic shifts).

Guiding Principle #9 ~~8~~

Support ~~the~~ Bainbridge Island's *Guiding Principles* and Policies through ~~the City's~~ good governance, sound ~~organizational and operating~~ budget decisions, and comprehensive community engagement.

Guiding Policy 9~~8~~.1
~~Promote good governance and an Island culture of citizenship, stewardship and civic engagement.~~ Conduct city business with integrity, honor, and respect for each other, the City of Bainbridge Island, and all constituents

Guiding Policy 9.2
Spend the people's money wisely and transparently in support of the guiding principles and keep the City of Bainbridge Island in a strong financial position able to weather unforeseen circumstances.

Guiding Policy 9.3
Recognizing the city's decisions impact different people in different ways, invite and hear as many perspectives as possible, even when it is difficult.

Guiding Policy 9.4 ~~8.2~~
Update each City Department's work program annually and align ~~, allocate sufficient time and~~ resources and ~~provide needed~~ policy direction to ~~achieve consistency with and~~ implement the *Comprehensive Plan* ~~in a manner that is transparent and~~ consistent with the community ~~V~~v*ision*.

~~Guiding Policy 8.3~~
~~Grow a diversified and vibrant local economy.~~

~~Guiding Policy 8.4~~
~~Nurture a healthy and attractive community including a focus on the quality of the built environment through progressive *development regulations* and reviews.~~

~~Guiding Policy 8.5~~
~~Build reliable *infrastructure* and connected mobility that encourages physical activity such as biking and walking while also respecting the Island's scenic qualities.~~

~~Guiding Policy 8.6~~
~~Grow a green, well-planned, environmentally sustainable community.~~

Guiding Policy 9.5 ~~8.7~~
Plan for a safe city where citizens, c~~C~~ity o~~O~~fficials, and l~~L~~aw e~~E~~nforcement work together in an environment of accountability and trust.

Guiding Policy 9.6 8.8
When implementing policies, consider longer-term, indirect or unintended consequences of decisions.

WHAT A COMPREHENSIVE PLAN IS AND IS NOT

There is an important distinction between a *comprehensive plan* and a *development regulation*. The former is a policy statement that provides direction. The latter is a control on how land may be used, which is one of the ways in which a *policy* statement is implemented.

The *GMA* definition of a *comprehensive plan* is:

> "Comprehensive land use plan," "*comprehensive plan*," or "plan" means a generalized coordinated land use policy statement…
>
> RCW 36.70A.030(4)

Thus, the Bainbridge Island *Comprehensive Plan* is a "policy statement" that provides important direction to a variety of City actions including but not limited to, the adoption of its capital budget and its *development regulations*. However, the Plan is not a "land use control" which means that it is not designed or intended to be applied directly to development permits.

The *GMA* definition of *development regulations* is:

> "Development regulations" or "regulation" means the controls placed on development or land use activities by a . . . city, including, but not limited to, zoning ordinances, critical areas ordinances, shoreline master programs, official controls, planned unit development ordinances, subdivision ordinances, and binding site plan ordinances together with any amendments thereto . . ."
>
> RCW 36.70A.030(7)

The GMA also states:

> "Each county and city that is required or chooses to plan under RCW 36.70A.040 shall perform its activities and make capital budget decisions in conformity with its *comprehensive plan*."
>
> RCW 36.70A.120

The "shall perform its activities" phrase suggests broader application of *comprehensive plan* policies than simply codes and capital budgets. On Bainbridge Island, the City maintains a number of *functional plans*, such as the City's utility plans as well as programs it funds and administers through its budget. The City also coordinates with other units of local government, e.g., the Bainbridge Island School, Fire, and Parks districts, each of which maintains its own programs and functional or operational plans. These are inventoried in the Plan's Capital Facilities Element.

Types and Degrees of Policy Direction
The Elements in this *Comprehensive Plan* consist of Goals and Policies. Goals express the high-rank order values that are most important to the Island community. They are aspirational, frequently describing desired outcomes. The Policies listed under each Goal identify strategies or specific actions to be taken to move the community in the direction of fulfilling the Goal.

Depending on the issue and the Element, the Goals and Policies may provide direction to the City Council, Planning Commission, Hearing Examiner and City Staff. Some of the actions will take the form of land use or other *development regulations*; others will be capital projects or programs; and still others may take the form of outreach, education, coordination or partnership with citizens, organizations or other units of government.

The goal and policy statements sometimes use very directive verbs such as "maintain" or "adopt." In other cases, less directive verbs are used such as "consider" or "encourage."

The more directive verbs convey a higher rank order of *policy* direction. Directive goal or policy language may call for the updating of *development regulations*, however that does not convert them into controls or conditions that can be directly applied to a permit decision.

A similar distinction can be made between the auxiliary verbs "*should*" and "*shall*." Both terms are used in the *Comprehensive Plan* and it is intended that both provide substantive direction. The difference in meaning between "*should*" and "*shall*" is one of degree rather than kind. As used in this Plan, the word "*shall*" imparts a higher order of substantive direction than the word "*should*." However as with the active verbs, the use of "*shall*" remains substantive *policy* direction not a land use control within the GMA meaning and definitions cited above.

How and when may the *Comprehensive Plan* be amended?
In addition to the ten ~~eight~~-year cycle for the periodic review of the *Comprehensive Plan*, the GMA also includes requirements regarding potential plan amendments in the intervening years. Set forth at RCW 36.70A.130, these include:

- A *comprehensive plan* may be amended no more than once in any calendar year. The City's *comprehensive plan* amendment process allows privately initiated amendments every three years (BIMC 2.16.190).
- All proposed plan amendments, including those initiated by private parties or by the City, should be considered concurrently to determine the cumulative effect of the proposals.
- Procedures must be adopted for any interested person to suggest amendments to either the *Comprehensive Plan* or *development regulations*.
- A city must establish a means by which it will "docket" (i.e., compile and maintain a list) of all suggested plan or development regulation amendments and consider whether or not to adopt them during the amendment process.
- Public participation programs must be developed and followed for proposed amendments to the *Comprehensive Plan* or *development regulations*.

VISION 2050 ~~2040~~: Puget Sound Regional Council
Puget Sound Regional Council (PSRC) is the metropolitan planning organization for the greater Seattle area (Kitsap, Snohomish, King and Pierce counties). The

Bainbridge Island ~~2016~~ 2024 Comprehensive Plan advances the sustainable approach to growth and future development that is the cornerstone of *Vision 2050* ~~*2040*~~. Bainbridge Island is identified as a "High Capacity Transit Community" in *Vision 2050.* *Sustainability* is integrated throughout all Elements of the city's comprehensive plan. We have incorporated a systems approach to planning and decision-making that addresses protection of the natural environment. The Plan commits to maintaining and restoring ecosystems, reduce *greenhouse gas* emissions, promotes non-motorized transportation, alternatives to single-occupancy vehicle travel, encourage compact development and prioritizes the creation of new *affordable housing*. The Plan also has established an *affordable housing goals* for this planning period. The plan includes provisions that ensure that a healthy environment remains available for future generations in our city.

The Plan has been updated based on population, housing, ~~residential~~ and employment targets that align with *Vision 2050* ~~*2040*~~, as demonstrated through the population and employment capacity analysis in the Kitsap County ~~2014~~ 2021 Buildable Lands Report, and updated citywide and Wisnlow capacity analyses completed as part of the 2024 peridic update. The City's existing residential and commercial zoning accommodates those target- see tables below.

Table IN-1: City of Bainbridge Island Population Capacity and Demand	
2020 US Census Population	24,825
~~2010-2036~~ 2020-2044 Allocated Population Growth	~~5,635~~ +4,524
~~2036~~ 2044 ~~Residential~~ Population Forecast/Target	~~28,660~~ 29,349
Population Capacity Under 2044 Preferred Alternative ~~Existing Zoning~~	~~6,814~~ +XXX
Net ~~20-Year~~ 2044 Population Capacity (+ or -)	~~+1,179~~+XXX
Population Capacity/Demand Ratio	~~1.21~~ XXX

Table IN-2: City of Bainbridge Island Employment Capacity and Demand	
2020: Employment on Bainbridge Island	8,073 jobs
~~2036~~ 2020-2044 Employment Growth Forecast/Target	~~2,808~~ +1,927 jobs
Employment Capacity Under 2044 Preferred Alternative ~~Existing~~ Commercial Zoning	~~2,941~~+XX jobs
Net 20-Year Employment ~~Population~~ Capacity / Target (+ or -)	~~+133~~XXX jobs
Employment Capacity/Demand Ratio	~~1.04~~ XXX

CITY OF
BAINBRIDGE ISLAND

City Council Regular Business Meeting Agenda Bill
Tuesday, May 12, 2026

Agenda Item: (8:10 pm) Consider Cultural Element of the Comprehensive Plan

Department: Planning & Community Development

Agenda Section: Regular Business

Estimated Time: 20 Minutes

Recommendation:

I move to forward the Cultural Element of the Comprehensive Plan to a future business meeting for consideration of adoption.

Narrative:
Bainbridge Island is home to a thriving environment of cultural institutions, artists, writers, musicians, and craftspeople. The forms of art and culture that we celebrate are as rich and diverse as our population. A Cultural Element is not required in comprehensive plans under the Growth Management Act. However, ours was added in 1998 to properly recognize the contributions to our quality of life made by the cultural institutions and many dedicated individuals. This Cultural Element continues to recognize that the arts and humanities significantly contribute to the City's identity, sense of place, and the economy.

The Planning Commission completed their work on the Cultural Element at the March 18, 2026 Planning Commission meeting. The culmination of this work resulted in bringing the Cultural Element up to date.

The proposed discrete updates to the Cultural Element were to reflect the updated

planning period and acknowledge changing conditions or updated information since 2017. Among these updates were proposed policies that would include:

- Prioritize civic and cultural core enhancements on and around the City's property in Winslow (Policy CUL- 1.9)
- Promote future cultural amenities in *designated centers (Policy CUL 2.8)*
- Support the expansion and enhancement of the Bainbridge History Museum and its grounds through public and private partnerships (Policy CUL 3.9)

Council will consider the Cultural Element of the Comprehensive Plan.

Fiscal Impact:

Community Engagement and Outreach:

Attachments:

1. Draft Updated CULTURAL ELEMENT

CULTURAL ELEMENT

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INTRODUCTION

Bainbridge Island is home to thriving cultural institutions, and to many artists, writers, musicians, and craftspeople, serving a local and regional public and many tourists. The forms of art and culture that we celebrate are as diverse as our population; they are embedded in our history and our economy. Although a *Cultural Element* is not required in Comprehensive Plans under the Growth Management Act, ours was added in 1998 to recognize the contributions of cultural institutions and many dedicated individuals to our quality of life.

There are specific and compelling reasons for including a Cultural Element in the Comprehensive Plan. Arts and *humanities* include visual, performing, and literary arts, museums, historical sites and landmarks, and many other cultural institutions. The arts and humanities are mechanisms for developing larger community values that are rooted in the interests of citizens such as economic vitality, quality education, and community planning and design and are unto themselves a valuable element of the Island's rich character. Support for the arts and *humanities* is an investment in the community.

The economic identity and vibrancy of Bainbridge Island is based upon its unique cultural values. These values have been historically developed and shaped by generations of Island residents. Invention, creativity, diversity and generosity of spirit and expression have led to the development of Island organizations, events, programs and individual pursuits allowing the community to flourish, enhancing its quality of life.

This Cultural Element continues to recognize that the arts and *humanities* significantly contribute to the City's identity, *sense of place*, and economy.

CULTURAL VISION ~~2036~~ 2044

Arts and *humanities* are an integral part of the community fabric. They contribute to the economic vitality, community character, livability, and quality of life of Bainbridge Island. Community members see the Island as a national destination for artistic excellence and sustainability.

The City includes funding for the arts and humanities in its biennial budget. Public art displays on City-owned property provide professional development opportunities for artists. A variety of housing alternatives are available to artists to enable them to live and work in the community.

Education programs to enhance understanding and appreciation for the history and heritage of Bainbridge Island are conducted for residents and visitors. The City's Historic Preservation program has preserved historic and cultural resources and farmland. The traditional cultures of the area, kept alive by our Suquamish neighbors and other Tribes, provide diversity and a living connection to our Island's Indigenous past. Bainbridge Island is recognized nationally as a center of artistic excellence.

GOALS & POLICIES

FINANCIAL RESOURCES

GOAL CUL-1

Support, protect and enhance the value of the arts and *humanities* as essential to education, quality of life, economic vitality, broadening of mind and as treasure in trust for our descendants.

Policy CUL 1.1
Support the coordination of marketing strategies with arts, business and tourism organizations to promote cultural events.

Policy CUL 1.2
Provide financial support for the arts and *humanities* through the City's biennial budget process.

Policy CUL 1.3
Employ a variety of technologies to market cultural events to residents and for off-Island visitors.

Policy CUL 1.4
Maintain cooperative working relationships with the Island's cultural institutions.

Policy CUL 1.5
Support the emergence of cultural spaces Island-wide especially in *designated centers* where they are accessible to a broad range of people encouraging both informal and planned gatherings and recreation.

Policy CUL 1.6
Encourage partnerships between the public, private and nonprofit sectors to engage in creative *placemaking* projects.

Policy CUL 1.7
Make creative *placemaking* a part of *subarea planning* and redevelopment projects.

Policy CUL 1.8
Provide adequate opportunities for community input in the Cultural Funding Advisory Task Force decision-making process.

Policy CUL-1.9 Prioritize civic and cultural core enhancements on and around the City's property in Winslow.

CULTURAL ACTIVITY AND ECONOMIC VITALITY

GOAL CUL-2

Preserve and promote the distinctive character, history, traditional cultures and institutions of Bainbridge Island and take advantage of the Island's cultural stature within the dynamic economy of the Puget Sound region.

Policy CUL 2.1
Promote Bainbridge Island's "Sense of Place" by supporting an ongoing public dialogue about preservation, sustainability, hospitality and the influence of the arts, history and culture.

Policy CUL 2.2
Support artistic, historic and cultural events, institutions and places for sharing the Island's unique built and natural character with residents and visitors.

Policy CUL 2.3
Cultivate partnerships among the arts and humanities, economic development and tourism sectors.

Policy CUL 2.4
Encourage local support for a creative and economic environment that enables individual artists to live and work in the community.

Policy CUL 2.5
Develop tools to increase the amount of affordable work and living space for artists.

Policy CUL 2.6
Foster a climate that enhances the Island's national reputation as a center of artistic excellence.

Policy CUL 2.7
Partner with the Suquamish Tribe and others to plan events that celebrate and promote awareness of the region's indigenous cultures.

Policy CUL 2.8
Promote future cultural amenities in *designated centers*.

HISTORY AND HERITAGE

GOAL CUL-3

Preserve places where the Island's history can be experienced, interpreted, and shared with the general public, in order to deepen an understanding of our heritage and the relationship of the past to our present and future.

Policy CUL 3.1
Promote a sense of respect and appreciation for history and heritage among Island residents by supporting organizations that provide community education programs, school curriculum and oral history programs.

Policy CUL 3.2
Support the City's Historic Preservation program to identify and preserve historic and cultural resources, including historic farms and heritage trees.

Policy CUL 3.3
Support adequate space to collect, preserve and interpret the Island's history.

Policy CUL 3.4
Protect and develop cultural and historic aspects of City-owned property.

Policy CUL 3.5
Recognize the probability of discovering new Native American cultural resources throughout the Island.

Policy CUL 3.6
Work with local tribes and others to promote knowledge and understanding of Northwest indigenous cultures, including attention to local school curricula.

Policy CUL 3.7
Protect and conserve cultural and historic sites from adverse environmental impacts, including sea level rise.

Policy CUL 3.8
Promote culturally significant and non-traditional agricultural practices and local foods throughout the community.

Policy CUL-3.9: Support the expansion and enhancement of the Bainbridge History Museum and its grounds through public and private partnerships.

THE HUMANITIES

The *Humanities* foster a spirit of community where the richness of human experience is explored and nurtured through ongoing analysis and exchange of ideas about the relation to self, others and the natural world.

GOAL CUL-4

Promote understanding of humanistic inquiry as a foundation for civil society, enjoyment of the arts and lifelong learning.

Policy CUL 4.1
Support community institutions such as libraries and museums which nurture creative thought and expression and exchanges of ideas between Island residents with community discussions.

Policy CUL 4.2
Foster public dialogue to acknowledge and appreciate different ways of living, thinking, believing and behaving in society.

Policy CUL 4.3
Encourage and participate in community forums and workshops on issues related to cultural diversity.

PUBLIC ART AND COMMUNITY DESIGN

GOAL CUL-5

Create a stimulating visual environment by promoting public art and providing stewardship for the City's public art portfolio.

Policy CUL 5.1
Manage the City's Public Arts Program to provide opportunities for new projects and ensure financial sustainability.

Policy CUL 5.2
Promote the inclusion of quality art in projects built by both private developers and public agencies.

Policy CUL 5.3
Include public art in appropriate City capital projects.

Policy CUL 5.4
Maintain the artistic aesthetic of Bainbridge Island through inclusion of support for inspiring public spaces.

Policy CUL 5.5
Ensure financial support of the required preservation of installed public art.

Policy CUL 5.6
Promote public art in new commercial developments.

CULTURAL IMPLEMENTATION

To implement the goals and policies of this Element, the City must take or continue a number of actions. Listed following each action are policies that support that action.

HIGH PRIORITY ACTIONS

CU Action #1 Consider work and living space for artists when modifying housing regulations or commercial use regulations.

Policy CUL 2.4
Encourage local support for a creative and economic environment that enables individual artists to live and work in the community.

CU Action #2 Take steps to protect cultural resources from the impacts of climate change.

Policy CUL 3.7
Protect and conserve cultural and historic sites from adverse environmental impacts, including sea level rise.

CITY OF
BAINBRIDGE ISLAND

City Council Regular Business Meeting Agenda Bill
Tuesday, May 12, 2026

Agenda Item: (8:30 pm) Consider Human Services Element of the Comprehensive Plan

Department: Planning & Community Development

Agenda Section: Regular Business

Estimated Time: 20 Minutes

Recommendation:

I move to forward the Human Services Element of the Comprehensive Plan to a future business meeting for consideration of adoption.

Narrative:
The purpose of the Human Services element is to provide policy direction for City actions supporting services relating to the human services needs of the residents of the City of Bainbrdige Island. It serves to help put a human face on the Comprehensive Plan. The Planning Commission completed their work on the Human Services Element at the March 18, 2026 meeting. The proposed discrete updates were to reflect the updated planning period and acknowledge changing conditions and updated information since 2017.

The proposed update to the Human Services element contains limited changes. Among the updates was to add to the Human Services Vision that supporting health care on the island is a part of human services.

Among the new polices added were:

- Support adequate access to health care, especially for the elderly and vulnerable groups. (Policy HS 2.9)
- Support human service programs to community members in areas at higher risk of displacement. (Policy HS 3.4)
- Promote specialized housing for seniors. (Policy 3.5)

Council will consider the Human Services Element of the Comprehensive Plan.

Fiscal Impact:

Community Engagement and Outreach:

Attachments:

1. Draft Updated HUMAN SERVICES ELEMENT

HUMAN SERVICES ELEMENT

NOTE: PAGE NUMBERS TO BE UPDATED AT LATER DATE

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HUMAN SERVICES INTRODUCTION

Putting a "human face" on the *Comprehensive Plan* is the motivation for the Human Services Element. As a community, we plan for growth in terms of land use, roads, natural resources and infrastructure. It is important to remember the very essence of our community – the people. The Human Services Element focuses on the needs of the individuals who comprise our community. The availability of and access to human services is important to all people regardless of income, family structure, age or cultural background. The purpose of the Human Services Element is to provide policy direction for City actions supporting services relating to the human services needs of the residents of the City of Bainbridge Island.

The Human Services Element supports a delivery system that is comprehensive and flexible enough to meet the needs of the citizenry now and in the future. City support benefits from regular assessments of community needs. A Community Needs Assessment was last completed ~~commissioned~~ in 2016. Updated periodically, the needs assessment will help the City identify demographic trends and emerging problems in the community. This is used ~~and inform~~ to inform and coordinate appropriate levels of City funding.

Human services are defined as those services that assist people in meeting the essential life needs of food, clothing, shelter and access to health care. Further, human services:

- Help provide people with the tools to achieve economic, social and emotional stability to the best of their ability.
- Offer activities and services that promote healthy development of the individual, prevent problems and support positive outcomes.
- Support quality of life programs that enhance the health and well-being of the individual and the community.

HUMAN SERVICES VISION ~~2036~~ 2044

Bainbridge Island continues to support a variety of human service agencies, each with a distinct mission, responding to the basic needs of our diverse population. Cooperation and coordination among human services providers, including the taxing districts, has strengthened the delivery system and improved services.

Bainbridge Island remains a caring community that treats those in need with dignity and respect and has the means to maintain the wellbeing of all its members. No one is excluded and each individual has opportunities to contribute. Diversity (of income and other resources, of origin and life experience, of age and state of health) is a valued community characteristic. Neighborhood networks, providing help in ordinary and emergency circumstances, add specific value to a generally shared sense of place and sense of community; friendliness is the foundation for human services.

Most Islanders prefer to age in place, continuing to enjoy the community's arts and cultural activities, parks and other outdoor resources. Supporting health care providers on the Island is part of human services. The City's efforts to provide *affordable housing* that meet the needs of a multi-generational community have been successful.

GOALS & POLICIES

FINANCIAL RESOURCES

GOAL HS-1

City support for human services organizations that serve Bainbridge Island residents shall be considered as part of the City's biennial budget process.

Policy HS 1.1
Update the Bainbridge Island Community Needs Assessment periodically to help identify emerging areas of concern and assist human service organizations to respond to current needs.

Policy HS 1.2
Consider information from the Community Needs Assessment in the review process for funding requests for City human service funds.

Policy HS 1.3
Evaluate requests for City human service funding using a fair and transparent process that includes public participation.

Policy HS 1.4
Support increasing emergency preparedness among all segments of the population to help coordinate governmental response and recovery efforts that seek to minimize the adversity of a major emergency or disaster.

CONTINUUM OF SERVICES

GOAL HS-2

Support a range of human service~~s~~ programs.

Policy HS 2.1
Support programs that meet the basic needs of survival such as food, clothing, shelter and access to emergency health care.

Policy HS 2.2
Support programs that meet the critical needs of vulnerable populations, particularly those most at risk of homelessness.

Policy HS 2.3
Support preventative and early intervention programs, emphasizing programs (e.g., job training and parenting classes) that address the health, safety and well-being of vulnerable community members.

Policy HS 2.4
Support programs that provide needed services for families, e.g., child or adult day care, respite care for caregivers and mental health services.

Policy HS 2.5

Support programs designed to allow people who need assistance to remain in their homes or maintain their independence as long as possible.

Policy HS 2.6

Work with partner agencies and nonprofits to support programs that assist veterans, low-income elderly and residents with qualifying disabilities.

Policy HS 2.7

Support programs that address strengthening family relationships and healthy child development to help prevent child abuse, sexual assault, domestic violence and substance abuse.

Policy HS 2.8

Work in partnership with state, county and community agencies to prevent violence including that associated with substance abuse, mental illness and the reckless use of firearms.

Policy HS-2.9

Support adequate access to health care, especially for the elderly and other vulnerable groups.

HOUSING AND HUMAN SERVICES

GOAL HS-3

Recognize the interrelationship between housing and human services. The human services sector not only provides support services for those living in *affordable housing* but also enables people at risk or in crisis situations to remain in their existing housing.

The Human Services Element complements the Housing Element, which deals primarily with the development, retention and construction of *affordable housing*.

Policy HS 3.1

Support emergency rental assistance subsidies.

Policy HS 3.2

Promote the creation of a mix of housing alternatives and services for people at different levels of independence

Policy HS 3.3

~~Consider ways to minimize~~ Reduce regulatory barriers to *special needs housing*, *transitional housing, permanent supportive housing,* and indoor *emergency shelters*.

Policy HS 3.4

Support human service programs to community members in areas at higher risk of displacement.

Policy HS 3.5

Promote specialized housing for seniors.

ECONOMIC HEALTH AND HUMAN SERVICES

GOAL HS-4

Recognize the interrelationship between economic health of the community and human services.

The Human Services Element complements the Economic Element which promotes business retention and expansion of the City's economy in the broadest sense. Human service~~s~~ organizations contribute to the community's economic well-being by supporting individuals' efforts to be productive members of the community. This support has many forms including but not limited to child care, job skills training, human health and transportation vouchers.

Policy HS 4.1
The City shall serve as a model employer and an example to the larger community in addressing its employees' human service needs.

Policy HS 4.2
Encourage local business organizations to create jobs that reflect good business practices (e.g., job training, employee benefits, family wages).

Policy HS 4.3
Encourage businesses that actively support human services for workers and their families (e.g., provide on-site child care, transportation subsidies, flexible work hours, and options for remote work).

Policy HS 4.4
Promote access to jobs, especially for lower-income people, youth workers and people with disabilities, when involved with planning local and regional transportation systems.

PUBLIC AWARENESS AND ACCEPTANCE

GOAL HS-5

Increase public awareness of the range and importance of human services available to the citizens of Bainbridge Island.

Policy HS 5.1
Support efforts to publicize the findings of the *Community Needs Assessment* and stimulate public discussion on the basic human needs and the services that are available, or could be developed, in response to them.

Policy HS 5.2
Periodically update the *Community Needs Assessment.*

HUMAN SERVICES IMPLEMENTATION

To implement the goals and policies of this Element, the City must take or continue a number of actions. Listed following each action are policies that support that action.

HIGH PRIORITY ACTIONS

HS Action #1 The City Council shall consider human service funding through the biennial budget process.

GOAL HS-1 FINANCIAL RESOURCES

City support for human services organizations that serve Bainbridge Island residents shall be considered as part of the City's biennial budget process.

Policy HS 1.4

Support increasing emergency preparedness among all segments of the population to help coordinate governmental response and recovery efforts that seek to minimize the adversity of a major emergency or disaster.

HS Action #2 ~~Periodically update the Community Needs Assessment. Use the results to i~~Inform ~~City~~ funding decisions and promote community discussion about human service needs to increase empathy and understanding.

Policy HS 1.1

Update the Bainbridge Island Community Needs Assessment periodically to help identify emerging areas of concern and assist human service organizations to respond to current needs.

Policy HS 1.2~~3~~

Evaluate requests for City human service funding using a fair and transparent process that includes public participation.

Policy HS 5.1

Support efforts to publicize the findings of the *Community Needs Assessment* and stimulate public discussion on the basic human needs and the services that are available, or could be developed, in response to them. Advertise services available to the public.

MEDIUM PRIORITY ACTIONS

HS Action #3 Amend the City's development code and create public/private partnerships to increase the diversity of housing types and supply of affordable housing.

NOTE: Same Action in Housing Element.

GOAL HS-3 HOUSING AND HUMAN SERVICES

Recognize the interrelationship between housing and human services. The human services sector not only provides support services for those living in affordable housing, but also enables people at risk or in crisis situations to remain in their existing housing.

Policy HS 3.2
Promote the creation of a mix of housing alternatives and services for people at different levels of independence

Policy HS 3.3
~~Consider ways to minimize~~ Reduce regulatory barriers to *special needs housing*, *transitional housing, permanent supportive housing,* and indoor *emergency shelters*.

Policy HS 3.4
Support human service programs to community members in areas at higher risk of displacement.

Policy HS 3.5
Promote specialized housing for seniors.

HS Action #4 ~~**Adopt and maintain an Economic Development Strategy to c**~~**Coordinate public and private efforts to grow and sustain a healthy economy on the Island.**
NOTE: Same Action in Economic Element.

Policy HS 4.2
Encourage local business organizations to create jobs that reflect good business practices (e.g., job training, employee benefits, family wages).

Policy HS 4.4
Promote access to jobs, especially for lower-income people, youth workers and people with disabilities, when involved with planning local and regional transportation systems.

HS Action #5 Support existing and potential health care providers to ensure health care services are available on Bainbridge Island.

Policy HS-2.9
Support adequate access to health care, especially for the elderly and other vulnerable groups.

CITY OF
BAINBRIDGE ISLAND

City Council Regular Business Meeting Agenda Bill
Tuesday, May 12, 2026

Agenda Item: (8:50 pm) Consider Island-Wide Mobility Plan

Department: Planning & Community Development

Agenda Section: Regular Business

Estimated Time: 20 Minutes

Recommendation:

I move to approve the Island-Wide Mobility Plan as presented to be adopted as the plan of reference in the Transportation Element of the Comprehensive Plan.

Narrative:
Currently, the City has two transportation plans, the Island-Wide Transportation Plan (IWTP), adopted in 2017, and the Sustainable Transportation Plan (STP), adopted in 2022. The IWTP is adopted by reference as part of the Comprehensive Plan and includes the City's current transportation level of service (LOS) policies. The IWTP includes non-motorized projects including trails, sidewalks, and bike lanes. The STP is a stand-alone plan that centers around a set of mobility goals and values including climate mitigation, equity, safety, and connectivity. These goals are reinforced by a set of multi-modal projects and programs including transit improvements, non-motorized infrastructure, and policies and programs that encourage their adoption. The **Island-Wide Mobility Plan (IWMP) consolidates these two plans into a single transportation planning document**. Doing so improves policy clarity and transparency, eliminates redundancy, and moves the City towards a multi-modal approach to transportation planning.

Motions

At the June 10, 2025, Council business meeting, Council moved to forward to a Council business meeting the adoption of the Island Wide Mobility Plan as the transportation plan of reference in the Transportation Element of the forthcoming Comprehensive Plan update.

At the July 8, 2025, Council business meeting, Council moved to grant preliminary approval to the Island-Wide Mobility Plan and to forward to the Planning Commission for consideration as an amendment to the Transportation Element of the Comprehensive Plan.

At the March 26, 2026, Planning Commission meeting, Commissioners moved to recommend the Island-wide Mobility Plan be adopted as shown in the attached meeting materials and as amended during this meeting to reflect current and planned conditions, transportation planning and Planning Commission recommendations.

Background

The IWMP includes a goal framework informed by the IWTP and STP and sets forth a multimodal transportation vision that supports these goals. The plan includes a reconciled and combined project list that combines projects from both the IWTP and STP. The IWMP introduces a new project prioritization methodology that uses variables derived from the plan's goals and community feedback to prioritize the plan's projects and programs for implementation. The prioritization methodology was developed with input from the City's Climate Change Advisory Committee, a coalition of public transportation stakeholders and the City Council. In addition, the IWMP sets forth an updated level of stress (LOS) policy for the City that adopts a multi-modal approach to transportation planning. **Most significantly, this new LOS policy uses level of traffic stress (LTS) as the basis for bicycle infrastructure LOS**. This approach is highly customized to the roadway context on Bainbridge Island and considers the experience of cyclists instead of focusing solely on the facility type.

The revised LOS approach also establishes updated minimum standards for pedestrian facilities based on corridor type and develops new criteria to evaluate roadway level of service that reflects an emphasis on multimodal and sustainable transportation. The IWMP also updates the City's concurrency standard to reflect the new approach to LOS. The new concurrency policy requires the City to invest in

projects identified in the IWMP in proportion to planned growth to meet concurrency requirements. This allows the City to use non-motorized transportation projects to meet concurrency requirements which is a departure from previous standards which focused on roadway capacity and LOS. The IWMP identifies a 20-year revenue and expenditure forecast which is used to estimate investments in transportation projects.

Over the next 20 years, if fully implemented, the total expenditure would be approximately $75.75 million on capital projects. The City will pull from the prioritized project list included in the IWMP to implement these capital improvements. The IWMP will be adopted by reference in Transportation Element of the Comprehensive Plan.

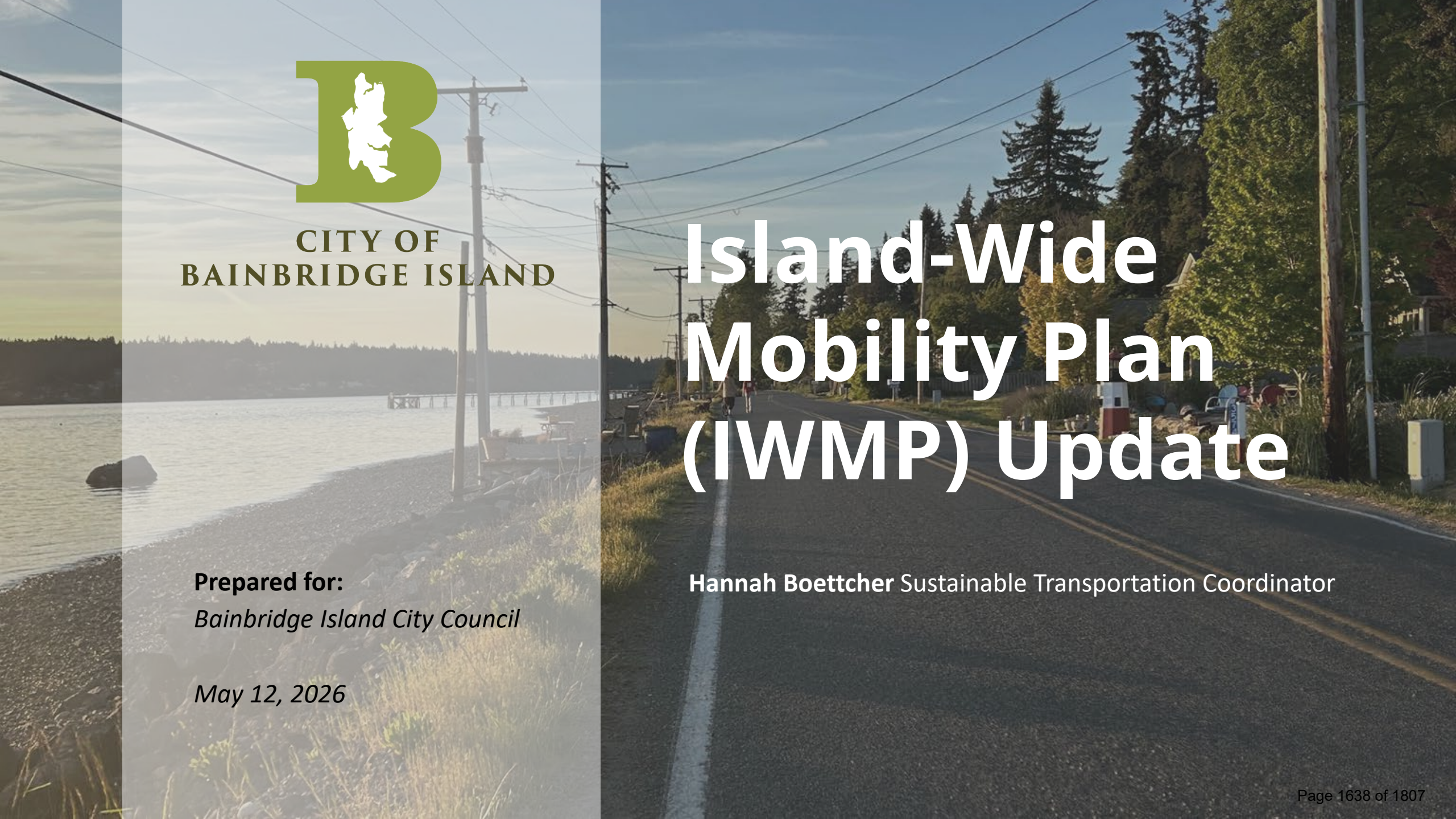
Fiscal Impact:

Community Engagement and Outreach:
The City provided multiple opportunities for public engagement which are detailed below. In total the City logged more than 200 comments on the IWMP.

- •December 3, 2024: Sustainable Transportation Coalition Meeting
- •February 25, 2025: Sustainable Transportation Coalition Meeting
- •March 24, 2025: Public Engagement Meeting
    - •Approx. 30 attendees
    - •Presentation, break-out groups
- •Spring 2025: Online Engagement Survey
    - •Comment period open for 3 weeks
    - •Received 75 comments
- •June 6, 2025: City Council Meeting
- •January 22, 2026: Planning Commission Meeting
- •March 12, 2026: Planning Commission Meeting

Attachments:

1. 5_12_26 Presentation
2. IWMP_Final Draft



CITY OF BAINBRIDGE ISLAND

Island-Wide Mobility Plan (IWMP) Update

Prepared for:
Bainbridge Island City Council

May 12, 2026

Hannah Boettcher Sustainable Transportation Coordinator

Today's Discussion

1

IWMP Basics

2

Relationship to TE

3

Community Engagement

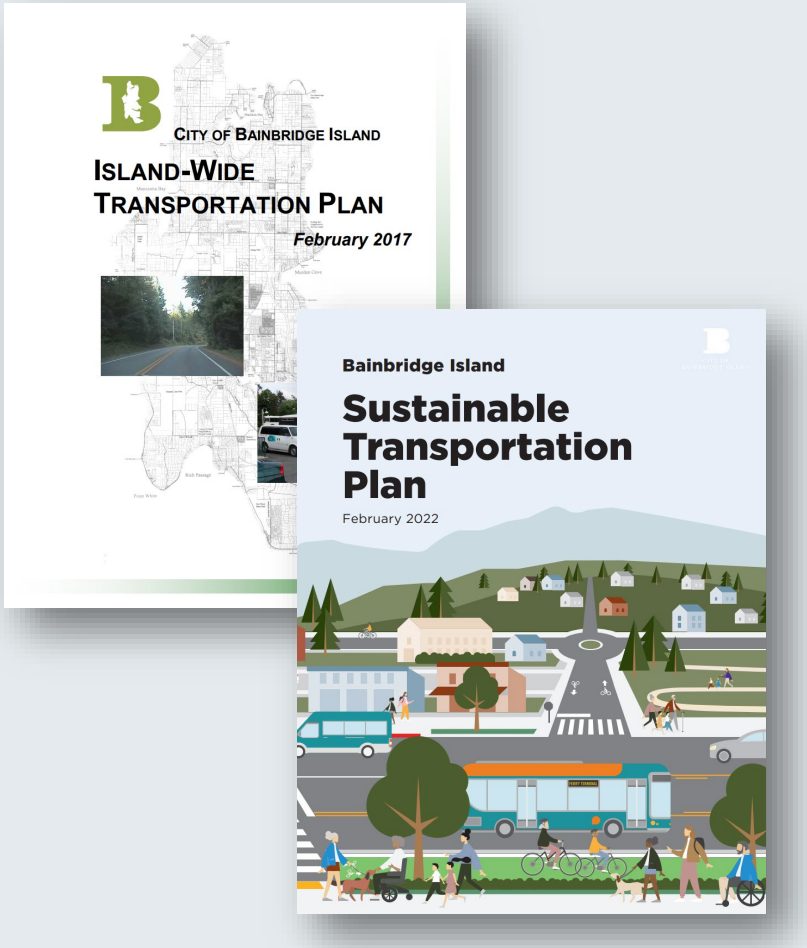
IWMP Basics

*The **IWMP** merges the **Sustainable Transportation Plan** and the **Island-Wide Transportation Plan***

*It is intended to replace the IWTP as the reference document in the **Transportation Element** of the **Comprehensive Plan***

Why merge the STP and IWTP?

- ***Consolidate*** and clarify policy guidance
- ***Eliminate*** redundancy
- ***Convert*** planning tools from auto to non-motorized focus



IWMP Basics

What's changed?

- ***Updates*** goal framework to align with the STP
- ***Adopts*** new level of service (LOS) standards that emphasize non-motorized user experience
- ***Combines*** project lists from the IWTP and STP

Full description of changes available in Appendix A of IWMP

appendix a :
IWMP Change Log

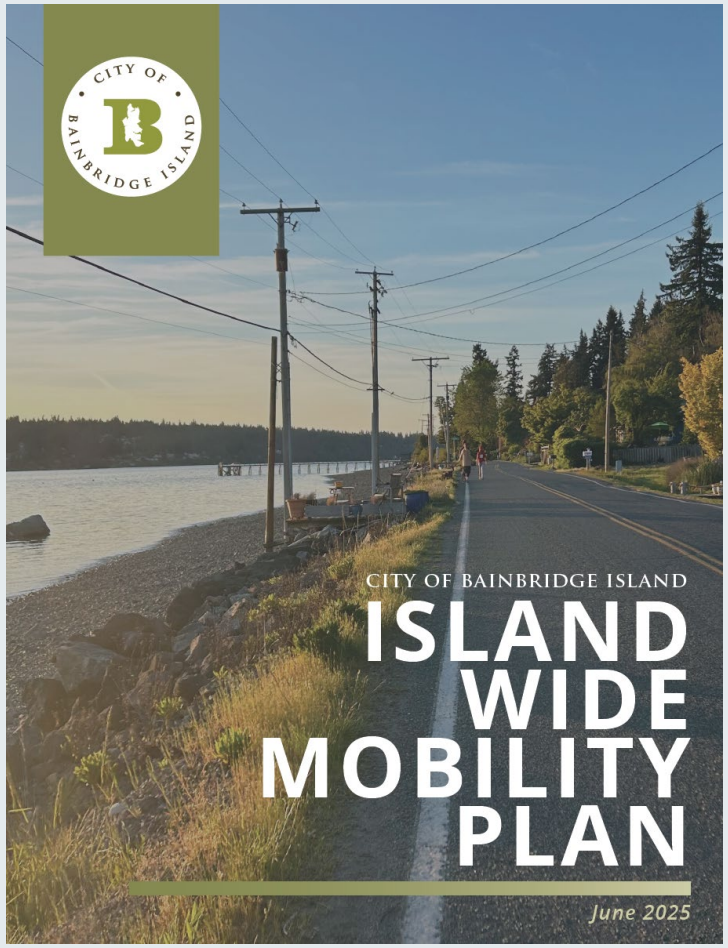
The following change log tracks changes made to the Island-Wide Transportation Plan (IWTP) and the Sustainable Transportation Plan (STP) through the course of the development of the Island Wide Mobility Plan. The following tables indicate where changes or modifications were made to each plan and where the information can be found in the Island Wide Mobility Plan.

Where information included in the IWTP and the STP conflicted with each other, the IWMP favors the STP as it is the more recently adopted plan. City Council have directed staff to implement the Connecting Centers Scenario of the STP which is reflected in the content and project/program list included in the IWMP.

Island Wide Transportation Plan

	IWTP content	where to find in IWMP	description of change
IWTP Ch. 1	Island Context Map	Chapter 1 Introduction	updated maps to have consistent style
	Planning History	Chapter 1 Introduction	updated to include STP planning process
IWTP Ch. 2	Community Character	Chapter 2 Goals + Objectives	renamed to Community Vision
	Neighborhoods	Chapter 2 Goals + Objectives	included in Connectivity goal
	Environment	Chapter 2 Goals + Objectives	renamed to Natural Systems
	Balancing Community Needs	n/a	section not included in IWMP
IWTP Ch. 3	Level of Service	Chapter 5 Operations + Mobility	adopts new multi-modal level of service standards
	Non-Motorized LOS Standard	Chapter 5 Operations + Mobility	adopts level of traffic stress based LOS standard for bike facilities
	Existing Traffic Conditions	Chapter 3 Existing Conditions	updated with more recent traffic data
	Existing LOS	Chapter 3 Existing Conditions	updated with more recent traffic data
	Land Use Forecast	n/a	not included in IWMP; refer to comp plan
	Future Traffic Conditions	Chapter 5 Operations + Mobility	updated to match new LOS standards
	Mobility Issues	Chapter 3 Existing Conditions	information included in connectivity gaps assessment
IWTP Ch. 4	SR305 LOS	Chapter 3 Existing Conditions Chapter 5 Operations + Mobility	updated with more recent traffic data
	SR305 Recommendations	Chapter 6 Implementation	modified to include information about coordination with WSDOT.
IWTP Ch. 5	Collision History	Chapter 3 Existing Conditions	updated to include more recent data
	Safety Programs	Chapter 3 Existing Conditions Chapter 4 Multimodal Vision	updated to include traffic calming and safe routes to school programming
	Maintenance	Chapter 6 Implementation	no changes made

Plan Components



Island-Wide Mobility Plan Update

Planning and Technical Document

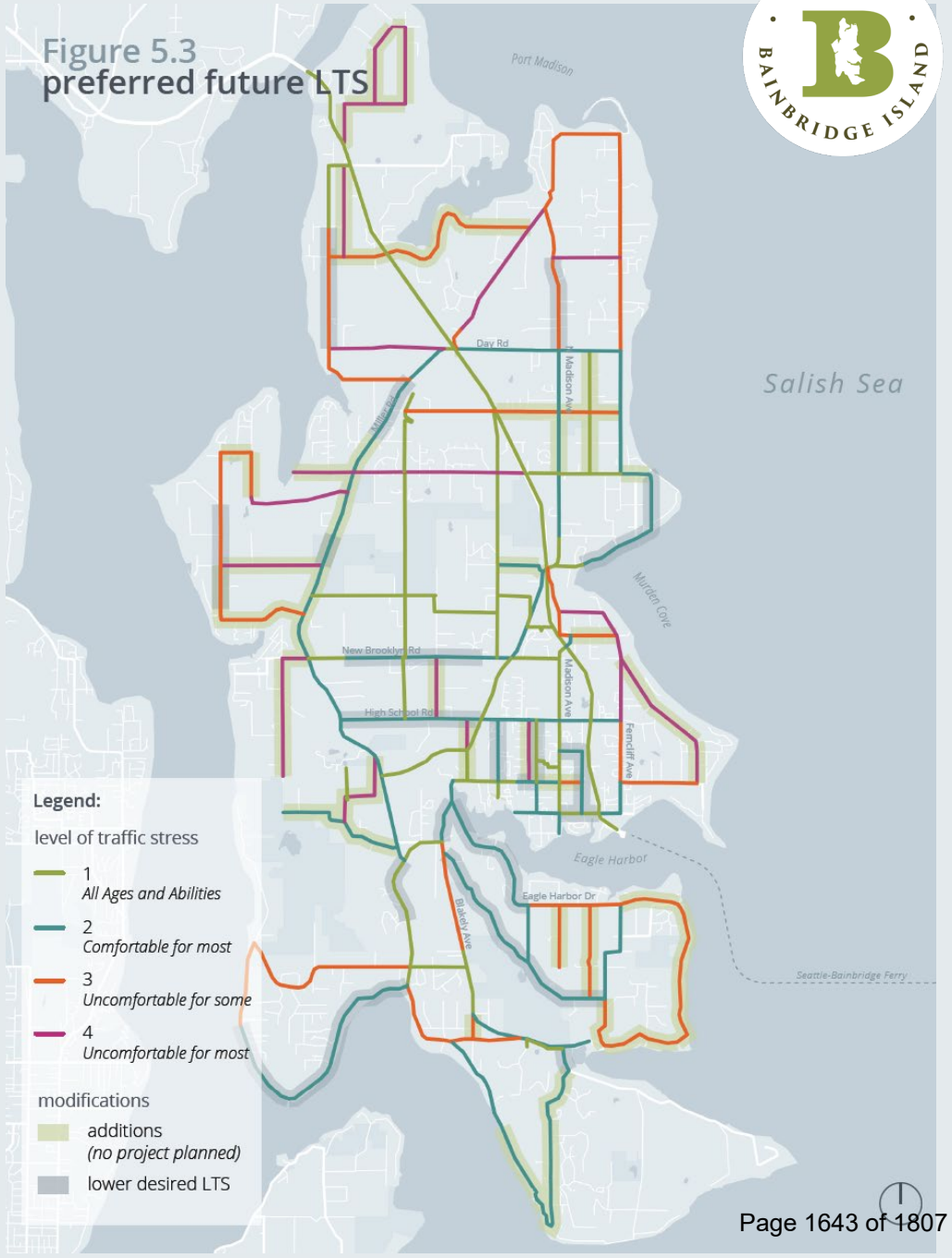
- ***Goals + Objectives***
- ***Existing Conditions***
  - *Safety Analysis*
  - *Mapped Facilities*
- ***Multimodal Transportation Vision***
  - *Future Mobility Network*
- ***Operations + Mobility***
  - *Multimodal Level of Service*
  - *Concurrency*
- ***Implementation***
  - *Project Prioritization*
  - *Project Lists*
  - *Funding*

Plan Components

multimodal level of service
+ concurrency

A vision for all modes:

- *Bicycle Level of Traffic Stress*
- *Pedestrian LOS*
- *Roadway LOS*



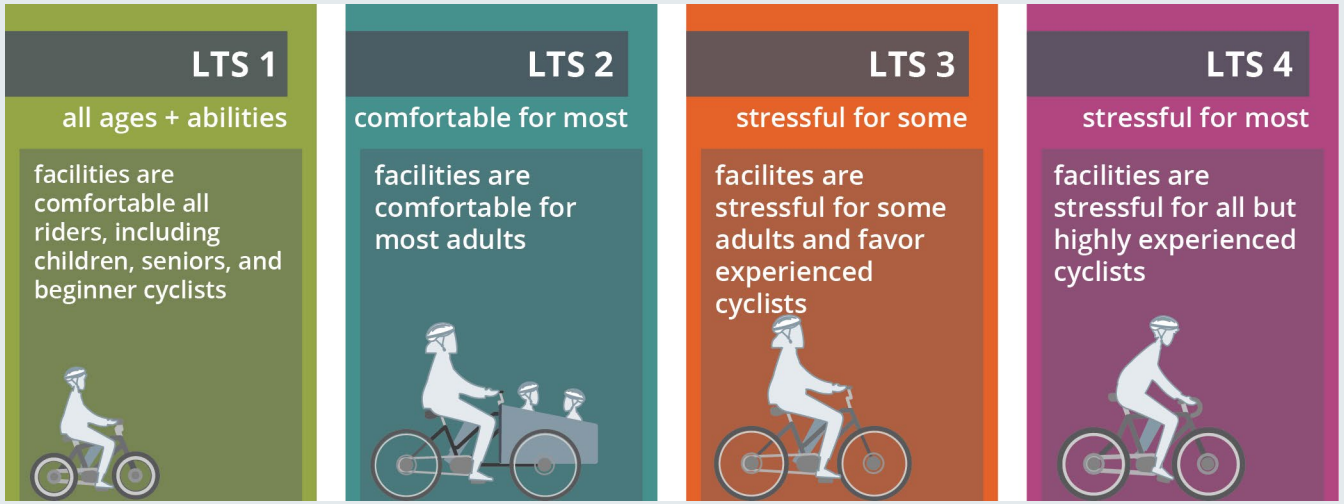
Plan Components

Bicycle Level of Stress

Leading with user experience:

- *Considers vehicle speeds and level of separation between road users*
- *Catered to the conditions on Bainbridge Island (blind curves, etc)*
- *Identifies facility types that achieve the Level of Stress that we want*

speed limit (MPH)	no markings	sharrows/ traffic calming/ greenways	striped bike lane/ shoulder	buffered bike lane	separated bike lane (vertical)	separated path/ shared use path/ side path
≤ 20	1 or 2	1 or 2	1 or 2	1	1	1
25	3	3	2 or 3	2	1	1
30	4	4	3	2 or 3	1 or 2	1
35	4	4	4	3	3	1
>35	4	4	4	4	3	1

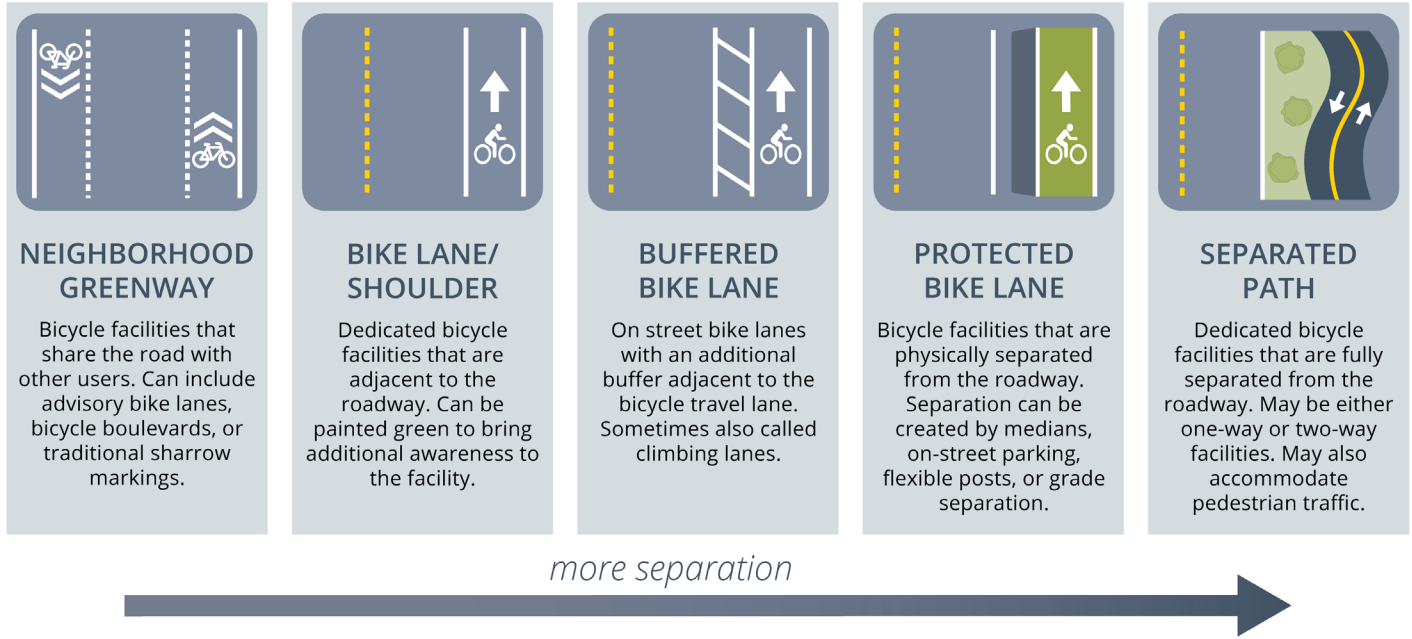


Plan Components

design guidelines & facility typology

- ***Creates*** consistency in how we discuss facility types
- ***Establishes*** minimum design guidelines
- ***Aligns*** with level of service standards

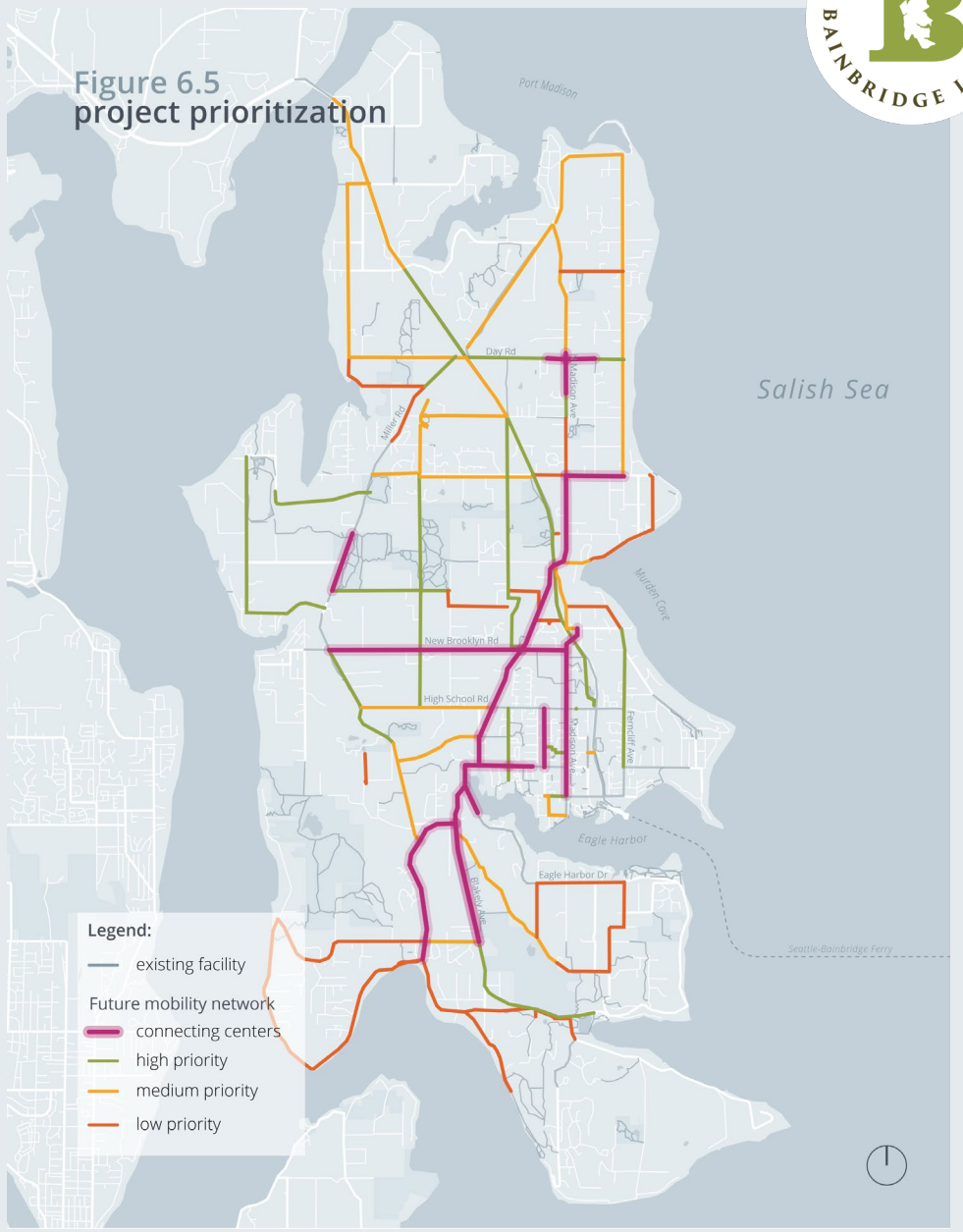
Figure 4.1
facility typology



Plan Components

future mobility network

- ***Combines*** projects from the IWTP and STP
- ***Includes*** bicycle, pedestrian, transit, and mobility infrastructure and non-capital programming
- ***Prioritizes*** the Connecting Centers projects



community engagement: Engagement Opportunities

- **December 3, 2024**: Sustainable Transportation Coalition Meeting
- **February 25, 2025**: Sustainable Transportation Coalition Meeting
- **March 24, 2025:** Public Engagement Meeting
  - *Approx. 30 attendees*
  - *Presentation, break-out groups*
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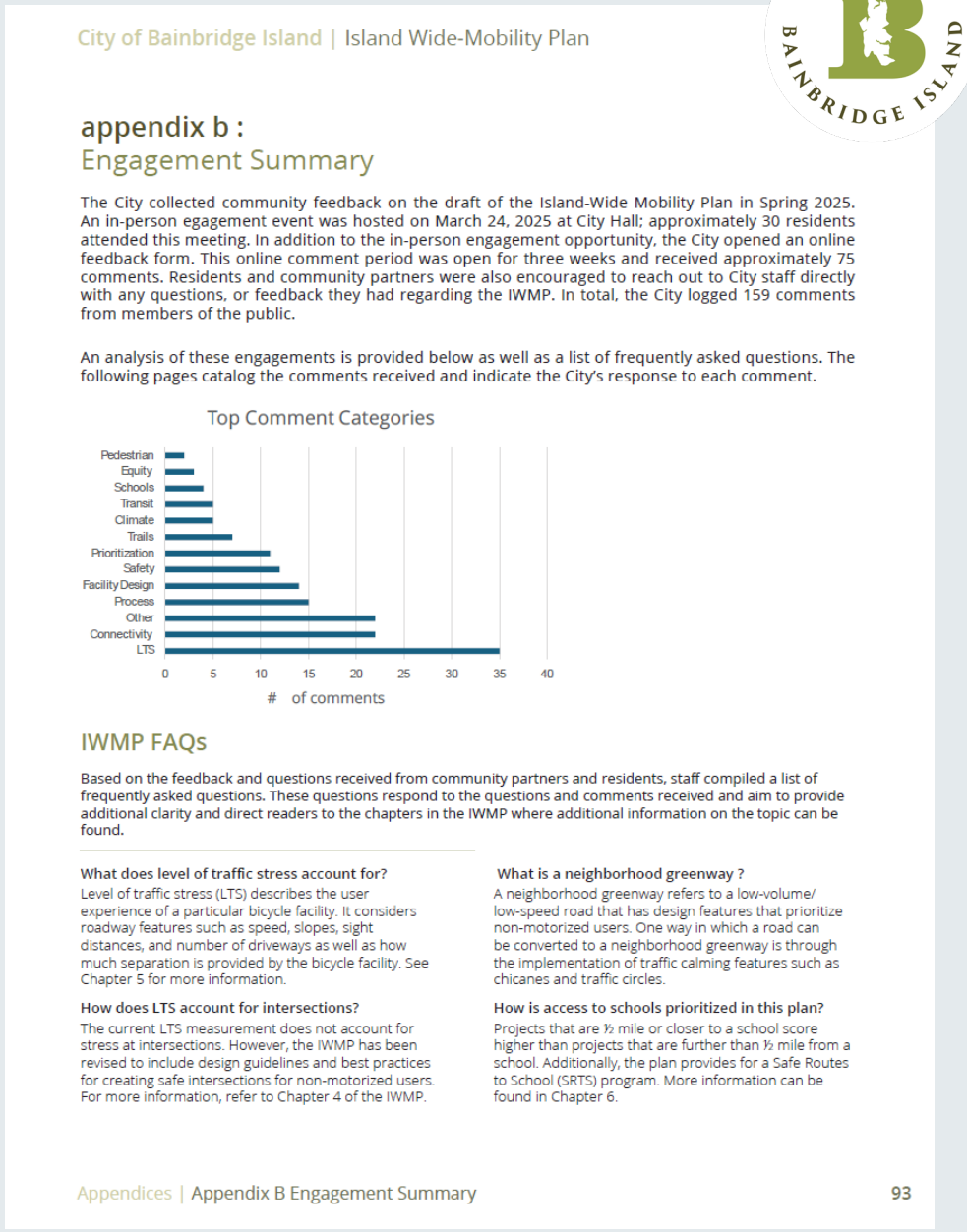
In total, over 200 comments logged



City of Bainbridge Island | Island Wide-Mobility Plan

appendix b :
Engagement Summary

The City collected community feedback on the draft of the Island-Wide Mobility Plan in Spring 2025. An in-person egagement event was hosted on March 24, 2025 at City Hall; approximately 30 residents attended this meeting. In addition to the in-person engagement opportunity, the City opened an online feedback form. This online comment period was open for three weeks and received approximately 75 comments. Residents and community partners were also encouraged to reach out to City staff directly with any questions, or feedback they had regarding the IWMP. In total, the City logged 159 comments from members of the public.

An analysis of these engagements is provided below as well as a list of frequently asked questions. The following pages catalog the comments received and indicate the City's response to each comment.

Top Comment Categories

IWMP FAQs

Based on the feedback and questions received from community partners and residents, staff compiled a list of frequently asked questions. These questions respond to the questions and comments received and aim to provide additional clarity and direct readers to the chapters in the IWMP where additional information on the topic can be found.

What does level of traffic stress account for?
Level of traffic stress (LTS) describes the user experience of a particular bicycle facility. It considers roadway features such as speed, slopes, sight distances, and number of driveways as well as how much separation is provided by the bicycle facility. See Chapter 5 for more information.

How does LTS account for intersections?
The current LTS measurement does not account for stress at intersections. However, the IWMP has been revised to include design guidelines and best practices for creating safe intersections for non-motorized users. For more information, refer to Chapter 4 of the IWMP.

What is a neighborhood greenway ?
A neighborhood greenway refers to a low-volume/ low-speed road that has design features that prioritize non-motorized users. One way in which a road can be converted to a neighborhood greenway is through the implementation of traffic calming features such as chicanes and traffic circles.

How is access to schools prioritized in this plan?
Projects that are ½ mile or closer to a school score higher than projects that are further than ½ mile from a school. Additionally, the plan provides for a Safe Routes to School (SRTS) program. More information can be found in Chapter 6.

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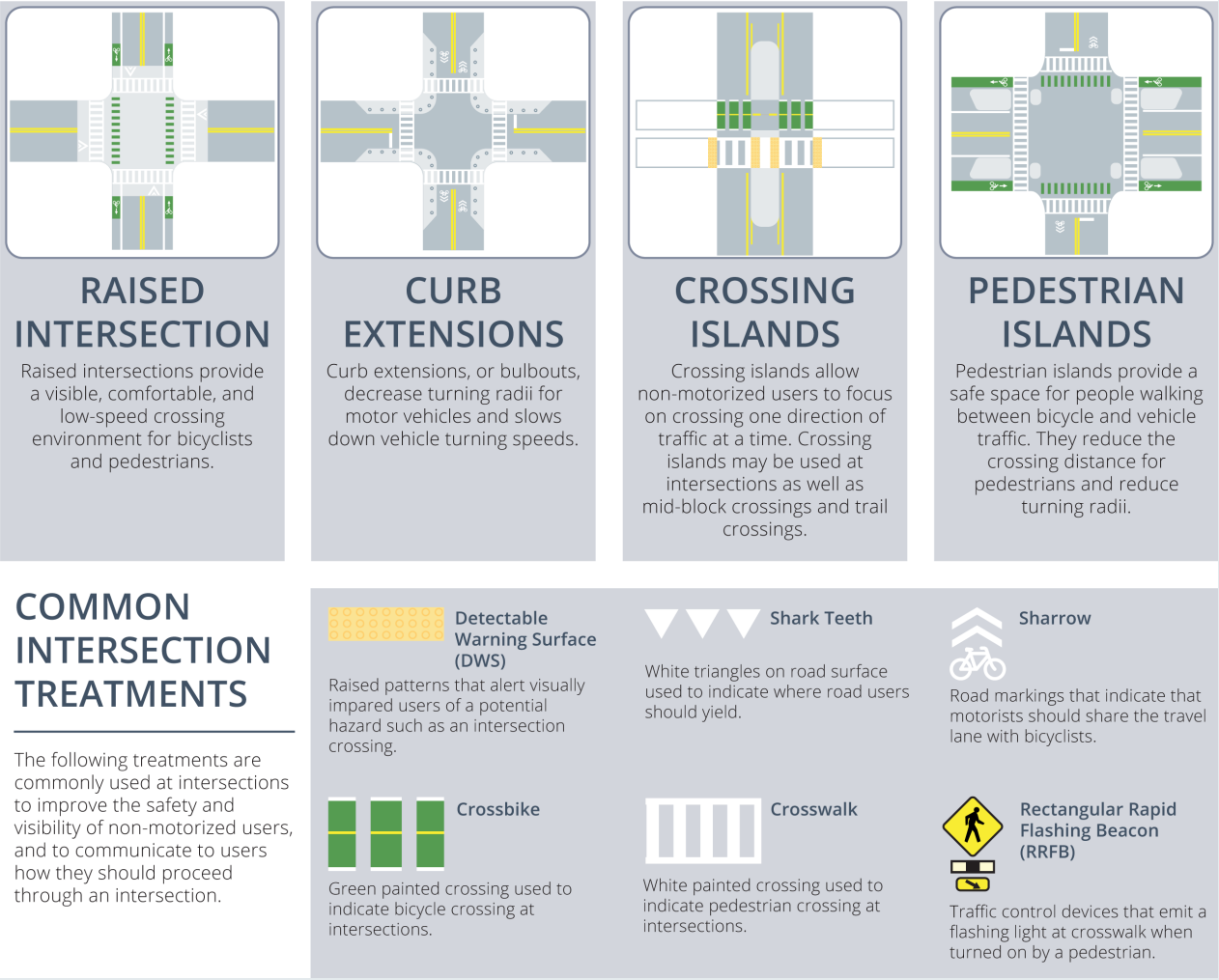
Community Engagement

In response to feedback, Staff made the following changes to the IWMP:

- ***Intersection Design Guidance*** to address safety and comfort at intersections
- ***Desired LTS Map*** to indicate desired comfort on corridors
- ***Fine-tuned*** priority level of selected projects

intersection treatment examples



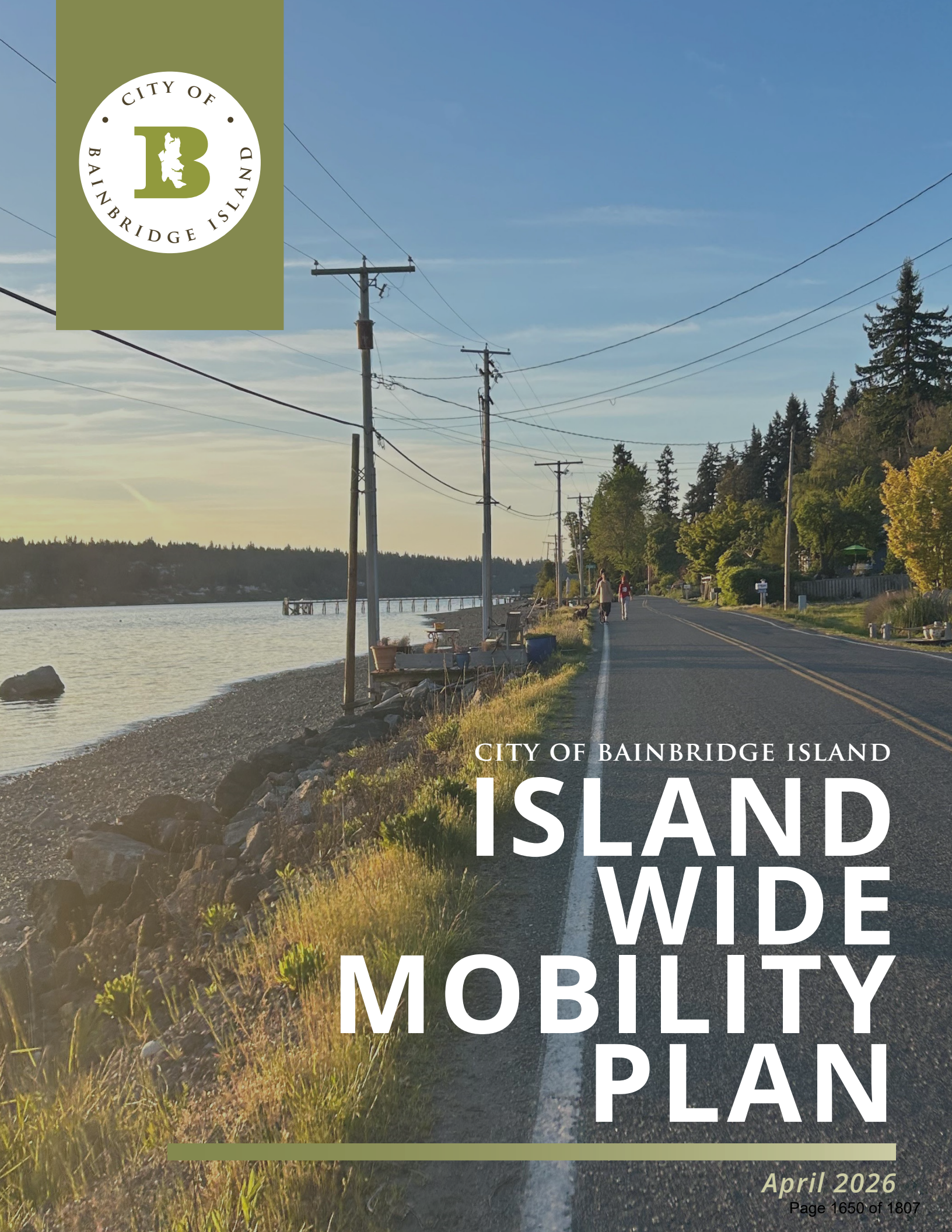
Recommended Next Steps

Next Steps:

- Adopt the IWMP as a reference document to the Transportation Element of the Comprehensive Plan
- Adopt ordinances revising the municipal code to reflect changes to the transportation concurrency program

Suggested Action:

I move to approve the Island-Wide Mobility Plan as presented to be adopted as the plan of reference in the Transportation Element of the Comprehensive Plan.



CITY OF BAINBRIDGE ISLAND

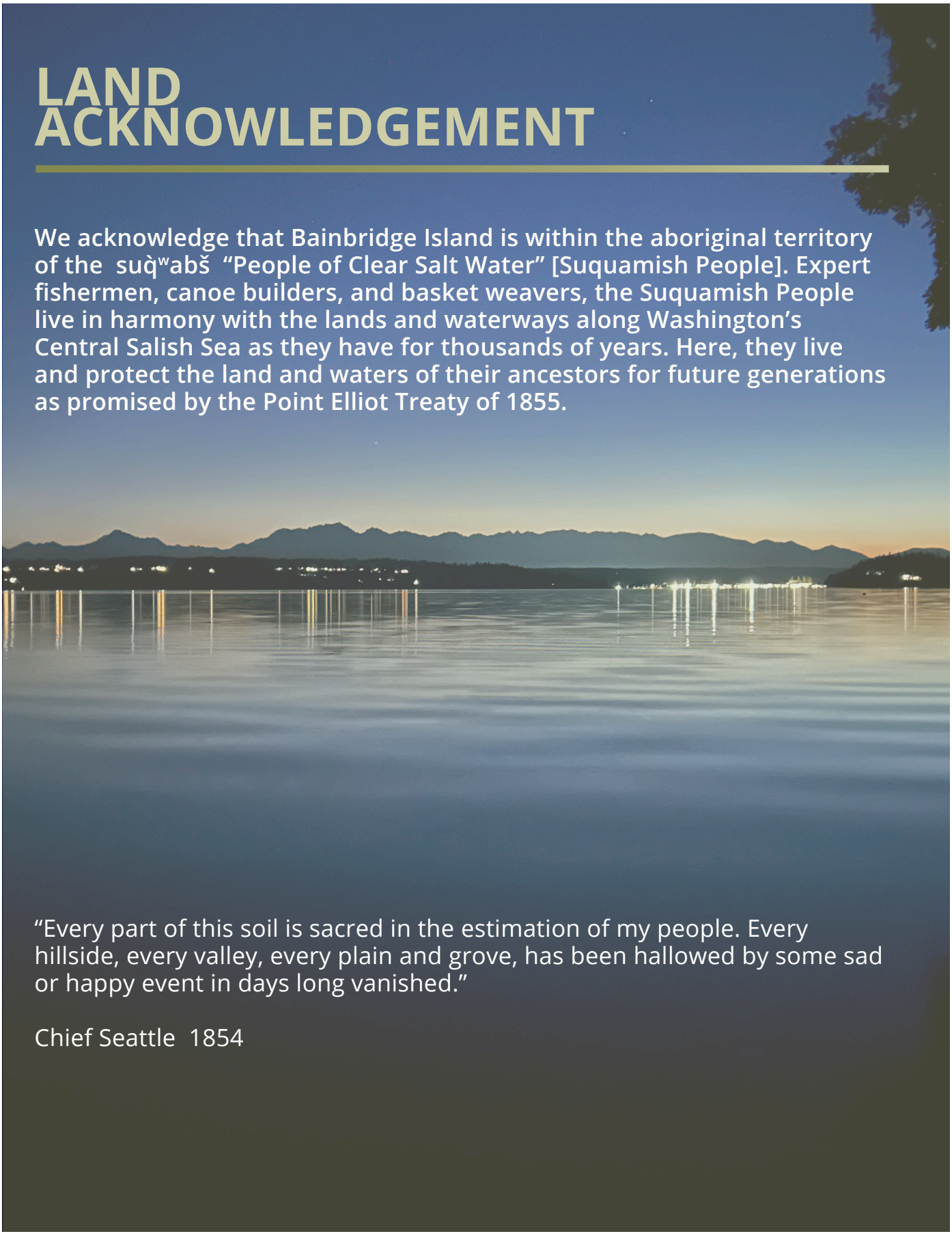
ISLAND WIDE MOBILITY PLAN

April 2026

ISLAND-WIDE MOBILITY PLAN

April 2026

280 Madison Ave North
Bainbridge Island, WA 98110
206-842-7633
www.bainbridgewa.gov



LAND ACKNOWLEDGEMENT

We acknowledge that Bainbridge Island is within the aboriginal territory of the suqʷabš "People of Clear Salt Water" [Suquamish People]. Expert fishermen, canoe builders, and basket weavers, the Suquamish People live in harmony with the lands and waterways along Washington's Central Salish Sea as they have for thousands of years. Here, they live and protect the land and waters of their ancestors for future generations as promised by the Point Elliot Treaty of 1855.

"Every part of this soil is sacred in the estimation of my people. Every hillside, every valley, every plain and grove, has been hallowed by some sad or happy event in days long vanished."

Chief Seattle 1854

ACKNOWLEDGEMENTS

The Island-Wide Mobility Plan advances our climate and mobility goals by building out networks of safe, connected, and accessible routes for all user types. This plan is the culmination of significant efforts by many across our Island including City staff, residents, and community partners. The contributions of following individuals were invaluable in the development of this plan.

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1 INTRODUCTION

INTRODUCTION

The Island-Wide Mobility Plan is a composite of previous transportation planning efforts providing an updated approach to transportation planning that incorporates the City's climate and equity goals.

The City of Bainbridge Island (City) is a unique community with a distinct set of transportation needs. The Island includes a variety of land uses from the downtown Winslow area to farmlands and suburban communities. Each of these land uses has different transportation needs; however, the entire mobility network must operate as a system that accommodates all users.

State Route (SR) 305 and the adjacent Sound to Olympic Trail (STO) serves as the central spine of the mobility network. This corridor, which runs from the Bainbridge Island Ferry Terminal north to the Agate Pass Bridge, not only provides regional travel to and from the Island, but also provides important local connections.

Downtown Winslow and other neighborhood centers commonly have sidewalks and bicycle lanes which facilitate active transportation. By contrast, the rural and suburban areas of the Island feature verdant winding roads where pedestrians and bicyclists must frequently share travel lanes with motorists or walk on narrow shoulders.

1.1 Plan Purpose

The purpose of this plan is to provide a framework of overarching goals as well as the technical data and analysis that facilitates the implementation of the Transportation Element of the Comprehensive Plan. To achieve this, the **Island-Wide Mobility Plan** (IWMP) includes information about existing and desired future conditions and outlines a prioritized long range project plan. In addition, the IWMP establishes multimodal transportation standards based on recent traffic counts, land use data, and roadway information.

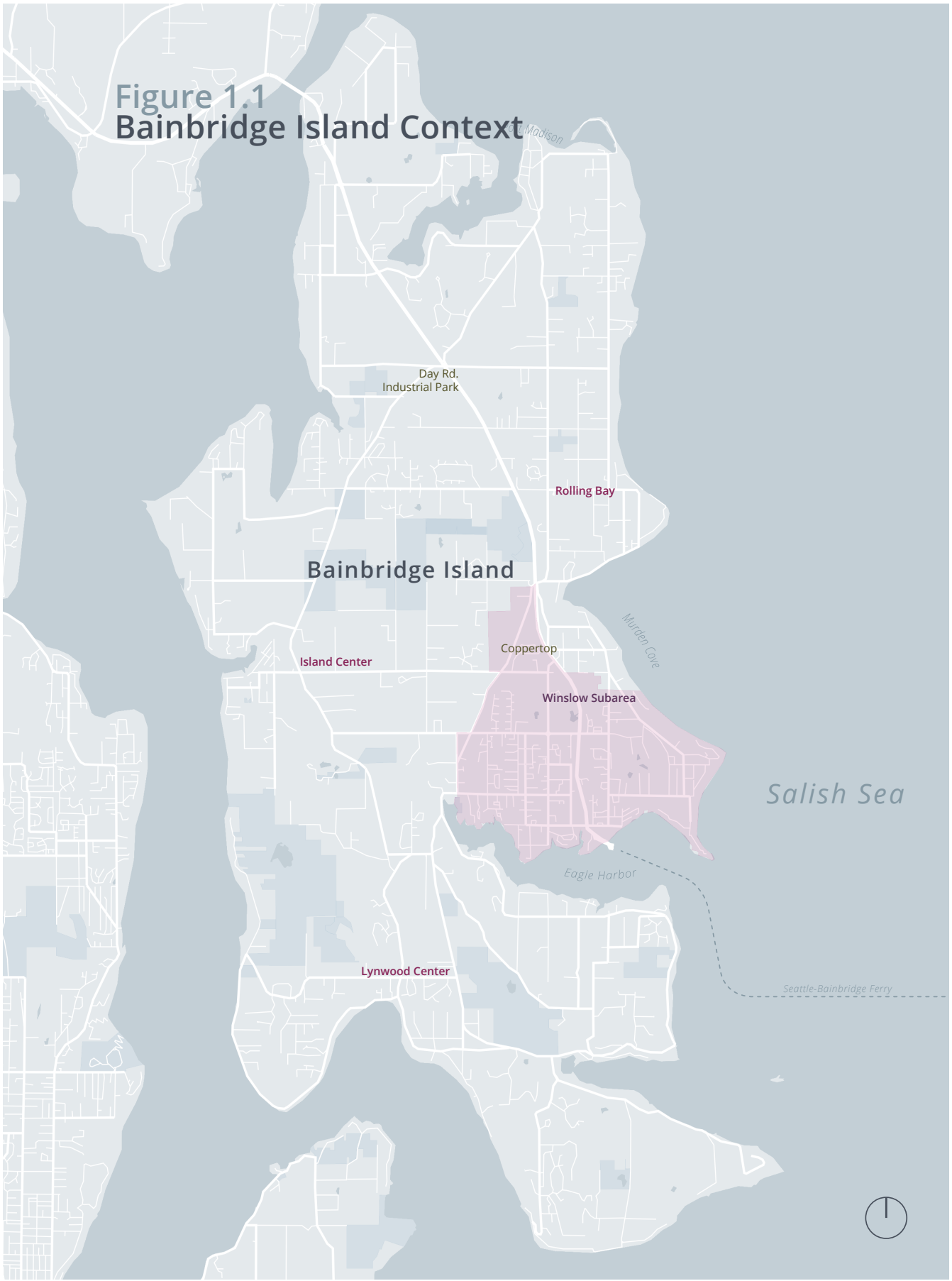
The IWMP incorporates information from recent transportation planning efforts, including the Sustainable Transportation Plan and Island-Wide Transportation Plan, to provide a consistent approach to transportation issues. The IWMP uses information from the Comprehensive Plan to provide direction to transportation planning efforts throughout the community.

1.2 Planning History

In 1994, the City's Transportation Plan provided discussion and analysis of the transportation needs of the Island. The final study was adopted and incorporated into the Transportation Element of the City's 1994 Comprehensive Plan. In 1995, the Winslow Master Plan (now referred to as the Winslow Subarea Plan), as a sub-element of the Comprehensive Plan, provided focus on the transportation needs in the Winslow and ferry terminal areas.

Since 2002, the City has made focused efforts at planning specifically for the needs of active transportation users. The 2002 **Non-Motorized Transportation Plan** was adopted

Figure 1.1
Bainbridge Island Context



to propose a transportation system to meet the needs of pedestrians, bicyclists, and other active transportation users. This work was followed by the development of the 2004 Island-Wide Transportation Study.

The City's Non-Motorized Transportation Advisory Committee (NMTAC) and staff worked together to further advance the City's level of thinking for active transportation planning. This work was reflected in the development of the 2016 **Island-Wide Transportation Plan** (IWTP).

In 2022, the City adopted the **Sustainable Transportation Plan** (STP). The STP built on the success of previous active transportation planning efforts to establish a consistent set of goals that more closely aligned with the City's Climate Action Plan.

1.3 Relationship to Comprehensive Plan

The **Transportation Element** of the **Comprehensive Plan** provides transportation policy guidance. This includes identification of transportation issues, establishing a comprehensive vision for transportation, and setting overarching goals. The IWMP provides the technical data and analysis to facilitate transportation planning and provides for implementation of the vision, goals, and policies established in the Transportation Element. The IWMP is adopted by Council as a reference document to the Transportation Element of the Comprehensive Plan.

The City of Bainbridge Island has developed its Comprehensive Plan under the requirements of the Growth Management Act (GMA). The GMA requires that jurisdictions identify existing transportation system characteristics, establish level of service ratings, identify existing and future

HOW TO USE THIS DOCUMENT

GOALS + PLAN PRIORITIES
Chapters 1 and 2 establish the context and goals for this plan which are carried throughout the entirety of the document. Look for the goal icons scattered throughout this document that indicate what the intended outcomes of proposed actions are.

EXISTING CONDITIONS
Chapter 3 considers Bainbridge Island's existing conditions and provides an inventory of the Island's active transportation facilities.

FUTURE MOBILITY NETWORK
Chapter 4 imagines the future conditions of Bainbridge Island and suggests strategies that can be employed to reach the goals established in this plan. Chapter 4 is informed by community input and is intended to create community discussion about how to achieve our shared goals.

TECHNICAL SUPPORT
Chapter 5 establishes level of service standards for the Island's mobility network. This chapter provides the technical support for City staff to implement projects.

IMPLEMENTATION
Chapter 6 establishes the implementation plan for the realization of the mobility network vision. This chapter includes project lists, funding strategies, and project selection criteria that help the City move the needle on achieving the community's goals.

deficiencies, develop improvement projects and strategies to mitigate deficiencies, and analyze projected revenues to ensure that necessary improvements will be constructed concurrent with demand.

1.4 Plan Engagement

To aid in the development of the Island-Wide Mobility Plan, City staff gathered feedback from the community and a variety of key partners. City committees were leveraged for their expertise and staff shared information and solicited feedback from the newly-formed Sustainable Transportation Coalition. Multiple in-person community engagements were held and comparable online engagements were made available. The summarized results from the engagement sessions are included in Appendix B.

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2 GOALS + STRATEGIES

GOALS + STRATEGIES

The IWMP includes six overarching goals that respond to the unique transportation context on Bainbridge Island and align with shared community values.

The intersections between transportation and climate, safety, equity, accessibility, and natural systems are important for understanding the full scope of the Island's mobility network. This chapter establishes a framework of overarching goals that touches on these intersections and identifies objectives that help us achieve these goals. Together, these goals and objectives help to achieve an improved quality of life for Bainbridge Island residents and visitors. This chapter provides additional context to support the transportation issues, policies, and goals in the Transportation Element of the Comprehensive Plan.

The existing mobility network of Bainbridge Island has a significant impact on the quality of life for Bainbridge Island residents. The Seattle-Bainbridge ferry route and the Agate Pass Bridge are the only two options for accessing off-Island destinations. The current level of service results in long commute times for off-Island trips and traffic back-ups are frequent along the SR305 corridor.

Transportation and mobility alternatives, such as dedicated bicycle and pedestrian facilities and transit services, lack convenience and connectivity. Despite the challenges that have slowed building out a more complete active transportation network, an increasing number of Island residents are choosing to walk and bike to education, employment, cultural, and recreation opportunities.

How people choose to travel is a key element of both environmental sustainability and quality of life. The City's 2020 Climate Action Plan reports that transportation-related emissions account for nearly one-third of all of the Island's greenhouse gas emissions. This justifies the need to prioritize making diverse transportation and mobility options available to Island residents and visitors in order to mitigate the negative impact of greenhouse gas emissions on the climate and public health.

The City's 2025 Comprehensive Plan update focuses growth in Winslow and the neighborhood centers. The implementation of mixed-use development and higher densities within these areas can lead to more sustainable growth. Investments in infrastructure for active transportation modes and public transit allow for reduced dependence on automobiles and present opportunities for greater mobility between the neighborhood centers. These strategies and targeted investments will help the Island to develop more sustainably and improve the quality of life for Island residents.

In response to the unique challenges and opportunities of Bainbridge Island, this plan establishes six overarching goals that align with the Transportation Element of the Comprehensive Plan. These goals are informed by the STP and IWTP.

Climate Action

GOAL:

Reduce transportation-related greenhouse gas emissions to achieve a 90% reduction in overall emissions by 2045.

Transportation is the second-largest contributor of greenhouse gases on the Island and accounts for nearly one-third of the Island's total greenhouse gas (GHG) emissions. Reducing the number of vehicle miles traveled (VMT) and encouraging the adoption of low- and no-emission transportation modes is critical in achieving the City's 90% by 2045 GHG emissions reduction goal.

The City has taken steps towards advancing climate action and sustainability. In 2020 the City adopted the Climate Action Plan (CAP) which sets forth goals and objectives for improving climate resiliency and reducing climate impacts. This effort was followed up by the adoption of the Sustainable Transportation Plan (STP) in 2022 and a report on the potential positive climate impacts resulting from the implementation of the STP.

Climate Action Strategies:

- Transportation Demand Management Programs to encourage and incentivize the use of sustainable transportation modes.
- EV Charging Infrastructure Expansion to facilitate the adoption of electric vehicles and bikes
- Safe Routes to School to encourage sustainable transportation habits from a young age

Community Vision

GOAL:

Preserve the Island's characteristic natural landscape and winding roads while providing mobility for all road users.

The Comprehensive Plan describes Bainbridge Island as being characterized by "… forested areas, meadows, farms, marine views and access, and scenic and winding roads supporting all forms of transportation." These elements are the foundation for the vision that Bainbridge Islanders hold for the community. This vision emphasizes the importance of preserving natural features while intentionally creating an environment where residents and visitors of all ages and abilities can safely and comfortably experience Bainbridge Island regardless of transportation mode. Transportation and mobility improvements should support and advance this vision where practicable.

Community Vision Strategies:

- Road Development Guidelines to ensure consistency in design and compatibility with surrounding development context
- Complete Streets Design to provide bike/ped/transit access on roads
- Connecting Centers Approach to create non-motorized access to the Island's defining neighborhood centers

Equity + Accessibility

GOAL:

Ensure parity in mobility outcomes for all users regardless of race, gender, identity, age, or ability.

The City of Bainbridge Island aims to recognize the impact, regardless of intent, that our actions have in perpetuating inequities to marginalized groups. The City aims to meet the needs of all transportation users and consider how transportation policies, procedures, and systems can better serve minority communities.

Historically, transportation investments have been aimed at motorized users. This approach disadvantages minority groups, such as people of color and seniors who are more likely to be non-drivers. Minority populations are disproportionately killed while walking and biking. In 2023, 25% of non-motorized fatalities in Washington state involved someone over the age of 65 despite only accounting for 16% of the total population.[1] This points to the need to create facilities that serve the most at-risk users.

Equity and Accessibility Strategies:

- All Ages and Abilities Infrastructure to provide safe and comfortable bicycle and pedestrian facilities regardless of experience or ability
- Mobility Hubs and Transit to increase available transportation options and create convenient connections betweens modes
- Multimodal Level of Service to prioritize development of multimodal infrastructure and improve access for non-drivers

1. https://wtsc.wa.gov/dashboards/active-transportation-user-fatalities/

ALL AGES AND ABILITIES

All ages and abilities bicycle and pedestrian facilities provide comfortable separation from motor vehicles, both along a roadway and while crossing an intersection. To make biking and walking attractive and accessible to a broad range of people, Bainbridge Island needs facilities that meet the needs of our most vulnerable users. Many of Bainbridge's existing bicycle facilities exclude people who are curious but cautious riders and favor confident riders. All ages and abilities infrastructure addresses this gap by considering the needs and comfort level of children, seniors, and folks who use adaptive mobility devices.

All ages and abilities facilities can be achieved by employing a variety of infrastructure interventions based on the road context. In higher speed and higher volume contexts, a greater level of separation between vehicle and bicycle and pedestrian traffic is needed to meet all ages and abilities standards. In low speed and volume contexts, lower touch interventions such as advisory shoulders can also achieve all ages and abilities facilities.

Safety + Comfort

GOAL:

Create mobility networks that protect and prioritize the most vulnerable travelers. Strive for Vision Zero.

Pedestrian and bicyclist fatalities nationwide increased by 75% between 2010 and 2022. This trend holds true in Washington state where pedestrian and bicyclist fatalities have more than doubled between 2014 and 2023. Both nationally and regionally, traffic accidents involving pedestrians or bicyclists have dramatically increased since the beginning of the COVID-19 pandemic. This trend underscores the importance of intentionally designing mobility networks to be safe for our most vulnerable road users.

Safety and comfort improvements enhance user experience for not only bicyclists and pedestrians, but also for motorists. Improving predictability in the mobility system ultimately enhances safety for all road users.

Safety + Comfort Strategies:

- All Ages and Abilities Infrastructure to provide safe and comfortable active transportation facilities regardless of age or ability
- Traffic Calming to slow vehicle speeds and create safer conditions for all users
- Bike and Pedestrian Level of Traffic Stress to help inform infrastructure design decisions with the goal of reducing stress for all road users

TRAFFIC CALMING

Traffic calming is the use of road design features to slow down vehicles as they move through neighborhoods. Traffic calming deemphasizes the movement of vehicles and instead prioritizes active transportation users.

Introducing traffic calming elements such as traffic circles, speed tables, and other visual and physical road elements serve to slow down vehicle traffic. Slower travel speeds prevent crashes with vulnerable road users and reduce the likelihood of serious injury or death when crashes do happen.

Besides improving safety for road users, traffic calming interventions can also have the following benefits:

- improve natural systems by providing green stormwater infrastructure (ex. median with planting area)
- encourage placemaking through the use of public art and street tree planting
- support local businesses by including on-street parking

Connectivity

GOAL:

Expand connectivity on the Island by providing a greater number of route and mode alternatives, especially for active transportation users.

Many of the Island's scenic roads are winding and do not provide convenient access to nearby destinations. A highly connected mobility network is desirable as it provides redundancy in the transportation network which can help to alleviate traffic congestion, aide in emergency response and evacuation, and provide a greater level of flexibility in route choice.

Focusing on non-motorized connectivity through the creation of trails and off-road paths expands route options and makes active transportation modes a more convenient option. Creating opportunities for active transportation users to connect to transit, car-share, and other mobility opportunities, users can reach a greater number of destinations than by a single transportation mode alone.

Connectivity Strategies:

- Trail Connection Zones to provide non-motorized access between existing trails
- Mobility Hubs to improve access to multiple transportation modes and facilitate convenient mode transfers
- Island-Wide and Winslow Circulator to improve connections in and around the Island's neighborhood centers
- Trail Easement Strategy to establish priorotiy trail connection areas across trail partner agencies and clearly identifies roles and process for devloping trails

Natural Systems

GOAL:

Protect natural systems and local ecologies. Mitigate impacts on natural systems when disturbances are unavoidable.

Maintaining a healthy natural environment is a key value of Bainbridge Island community members. The Island's natural systems and features, including wetlands, forests, and shorelines contribute to the overall look and feel of Bainbridge Island and are a source of community pride. In addition, maintaining the Island's natural systems helps to achieve climate and sustainability goals by preserving the healthy function of carbon sequestering features such as wetlands and forested areas.

The Island has many sensitive resources such as ravines, parklands, open spaces, and shoreline and wetland areas that require creative and environmentally sensitive approaches to roadway and off-road facility development.

Natural Systems Strategies:

- Stormwater Management to minimize impervious road surfaces
- Native Plant Landscaping to mitigate the impacts of run-off and improve aesthetics of the roadway
- Context Sensitive Solutions to roadway and bikeway design that consider the surrounding ecology and environmental resources

3 EXISTING CONDITIONS

EXISTING CONDITIONS

The existing transportation network primarily serves motorists. While improvements have been made to active transportation infrastructure, connectivity and comfort remain a challenge.

This chapter on existing conditions provides an overview of the current transportation conditions and provides a baseline for future comparisons. The City of Bainbridge Island's mobility network is made up of roadways, pedestrian facilities, bikeways, trails, and the ferry terminal. Each of these elements is important to the movement of people and goods to destinations within and beyond the Island. A map of all existing active transportation facilities is shown in Figure 3.1

3.1 Existing Bicycle Network

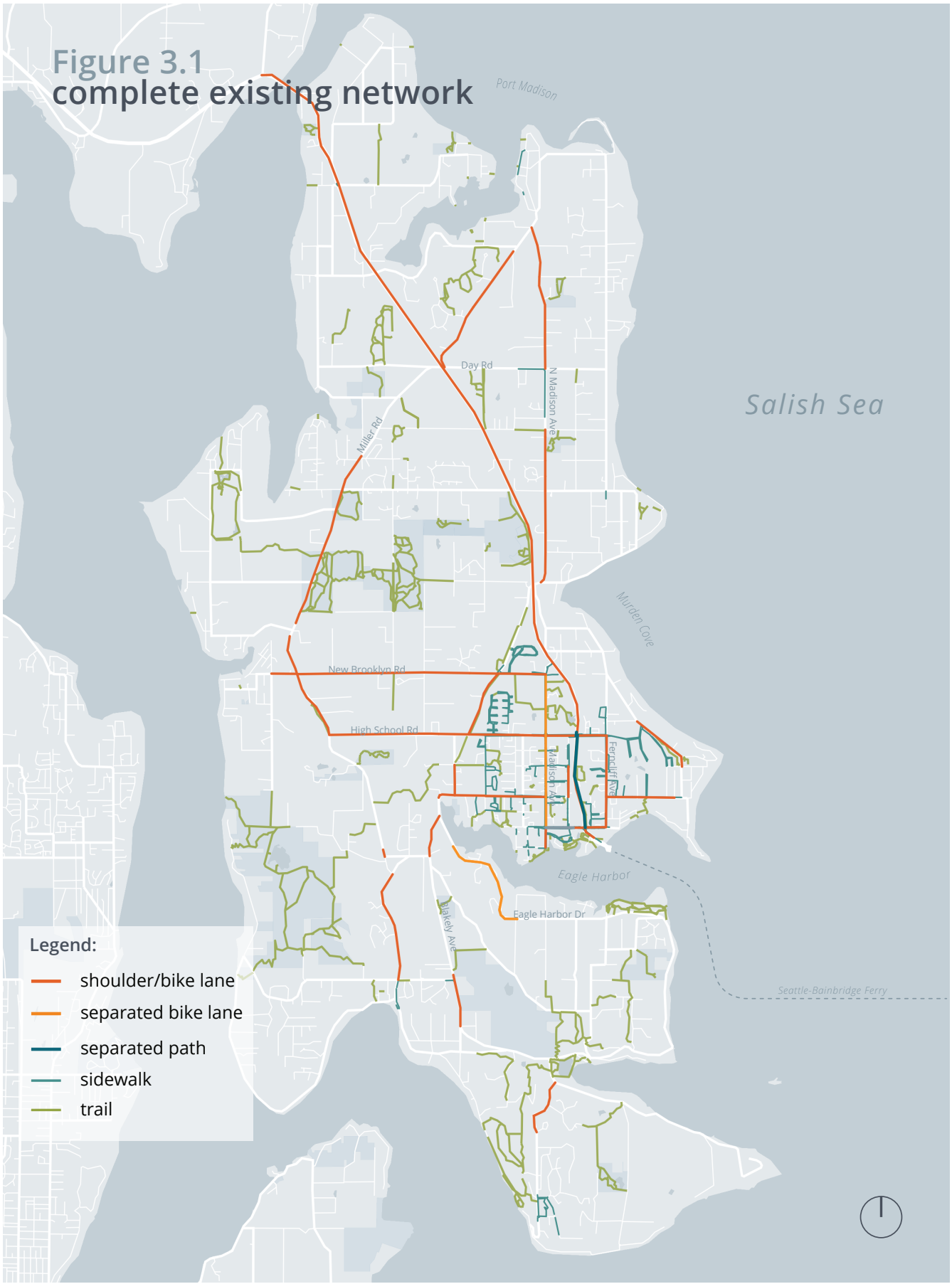
Bainbridge Island's existing bicycle network consists primarily of on-road bike lanes and improved shoulders. In recent years, the City has shifted focus to provide bicycle facilities with a greater level of separation from vehicle traffic. These facilities include raised bike lanes (Madison Ave.), separated side paths (Eagle Harbor Dr.), shared use paths (Sound to Olympics Trail), and soft surface trails suitable for biking (Sportsman Club Rd.). In addition to dedicated bicycling infrastructure, the City has also improved conditions for cyclists through the implementation of traffic calming features such as traffic circles and radar feedback signs intended to slow down vehicle traffic and create safer conditions for cyclists.

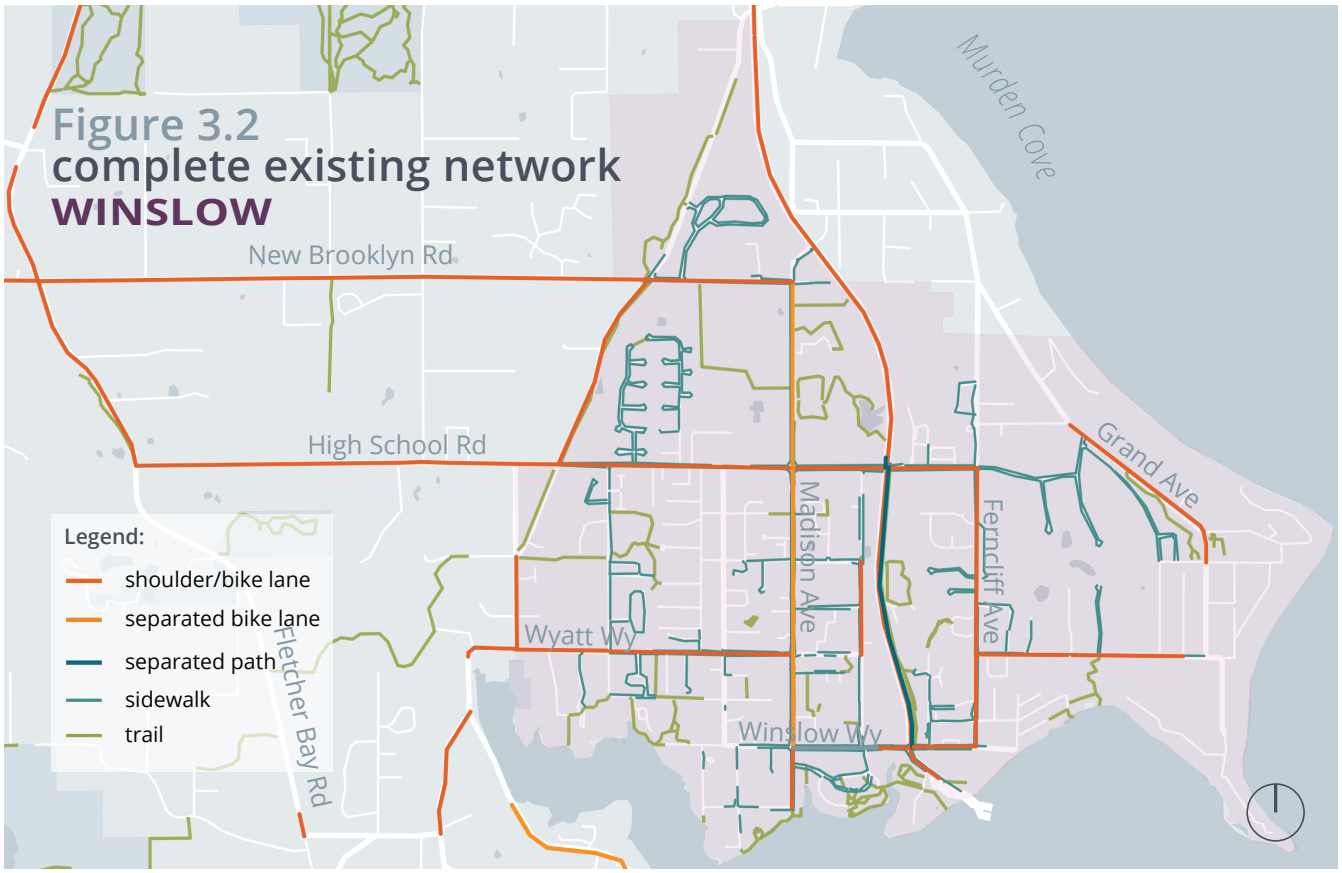
Connectivity

Much of City's existing bicycle network suffers from a lack of connectivity and poor safety conditions. Many of the Island's roads lack dedicated bicycle facilities, and where facilities do exist, often there is little to no separation between user types. In some cases, bicycle facilities abruptly end, forcing bicyclists to negotiate for space with drivers. These conditions are discouraging to many bicyclists, especially children, seniors, and beginners. Figure 3.4 provides an analysis of existing connectivity gaps in the City's active transportation network. Gaps were identified where missing links between existing active transportation facilities occurred. Additionally, the analysis considered trail connection areas where opportunities exist to make connections between corridors with existing active transportation facilities. See Appendix C for the aligning Parks District Trail Vision Map.

Chapter 4 of this document proposes ways to address these challenges and makes suggestions for improving safety and comfort for all road users.

Figure 3.1
complete existing network





3.2 Existing Pedestrian Network

The City provides sidewalks for pedestrians primarily within Winslow and Lynwood Center. Sidewalks are also sometimes present in areas immediately adjacent to schools (Halilts, Blakely/Islandwood). On most of the Island's roads, pedestrians must walk on the shoulder. A map of all existing sidewalks is included in Figure 3.4.

While not included in the pedestrian network map, improvements made to the bicycling network, including sidepaths and shared use paths also benefit pedestrians by providing additional spaces suitable for walking.

Significant sidewalk gaps exist in the pedestrian network within the neighborhood centers. The City should prioritize filling these gaps as development occurs to improve connectivity and safety for pedestrians.

3.3 Existing Trail Network

Bainbridge Island boasts a vast network trails. These trails are frequently used by pedestrians, bicyclists, and equestrians for a variety of purposes including recreation and commuting. A map of all existing trails on the Island is included in Figure 3.6. Trails are owned and maintained by the City, the Bainbridge Island Metro Parks and Recreation District (BIMPRD), and the Bainbridge Island Land Trust (BILT).

The City recognizes the importance of trails as a part of the transportation network and as part of the culture of Bainbridge Island. While doing so, the City also acknowledges that different trails serve different purposes

Figure 3.3
existing bicycle network

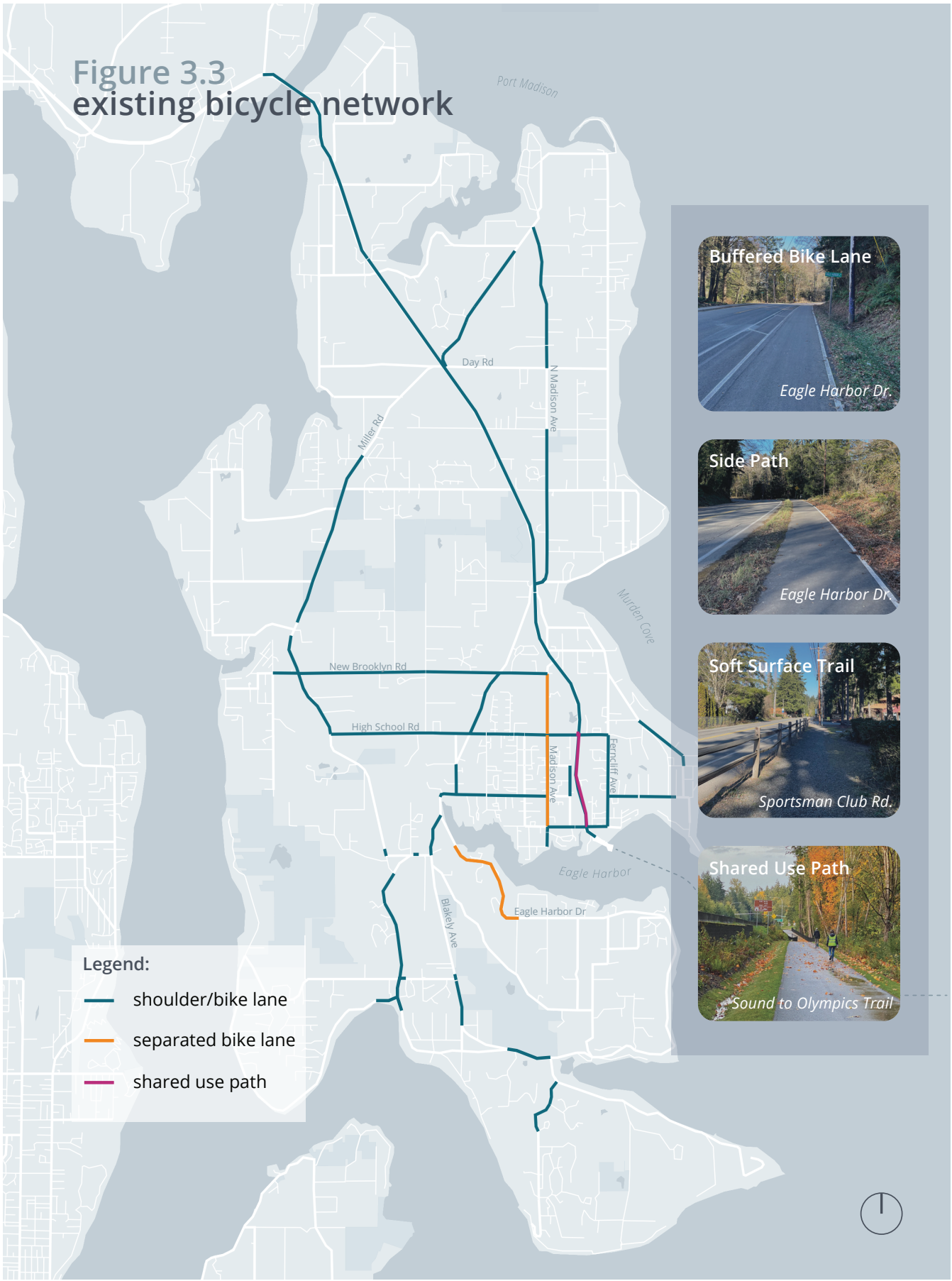


Figure 3.4
connectivity gaps + opportunities

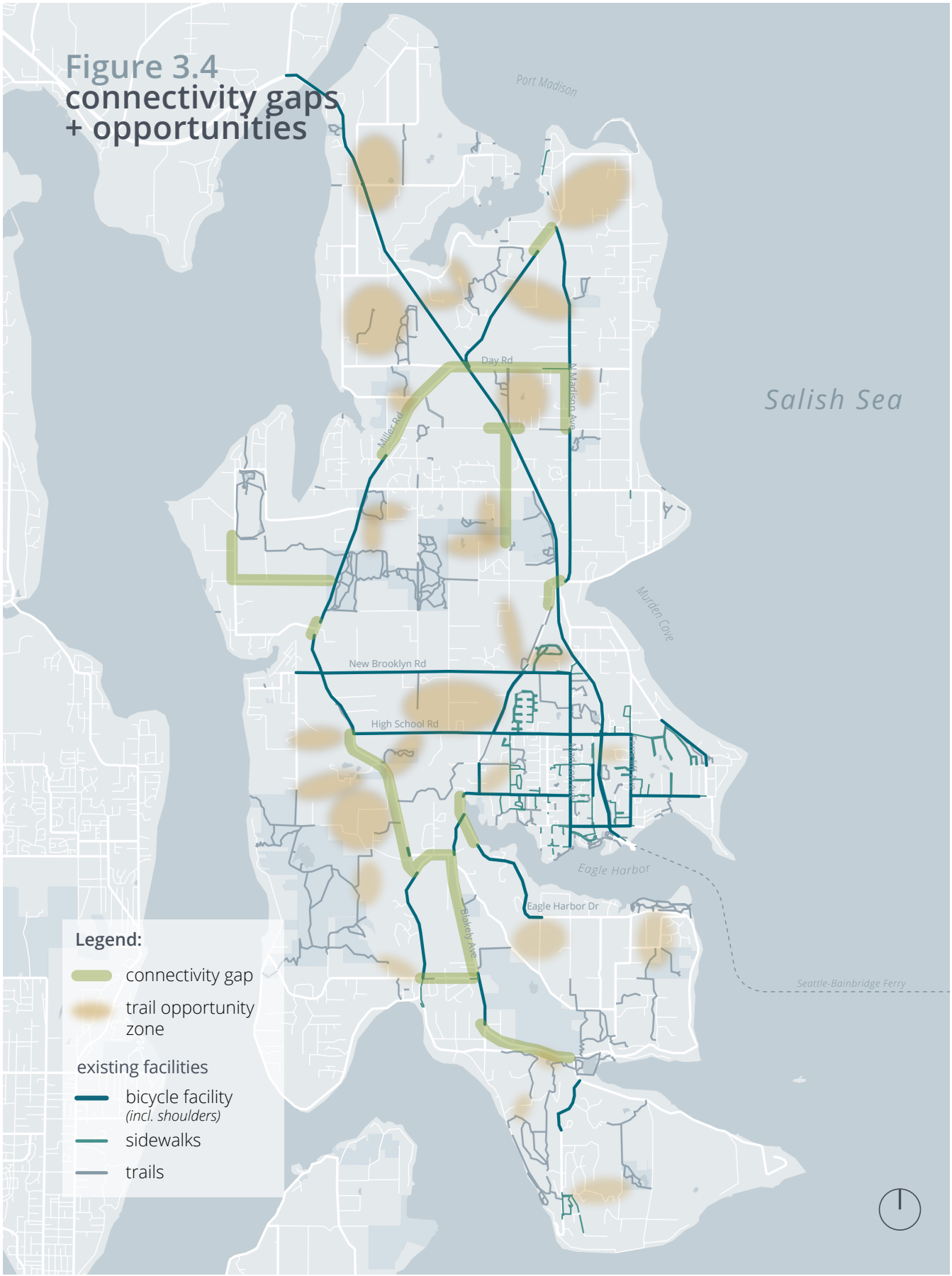
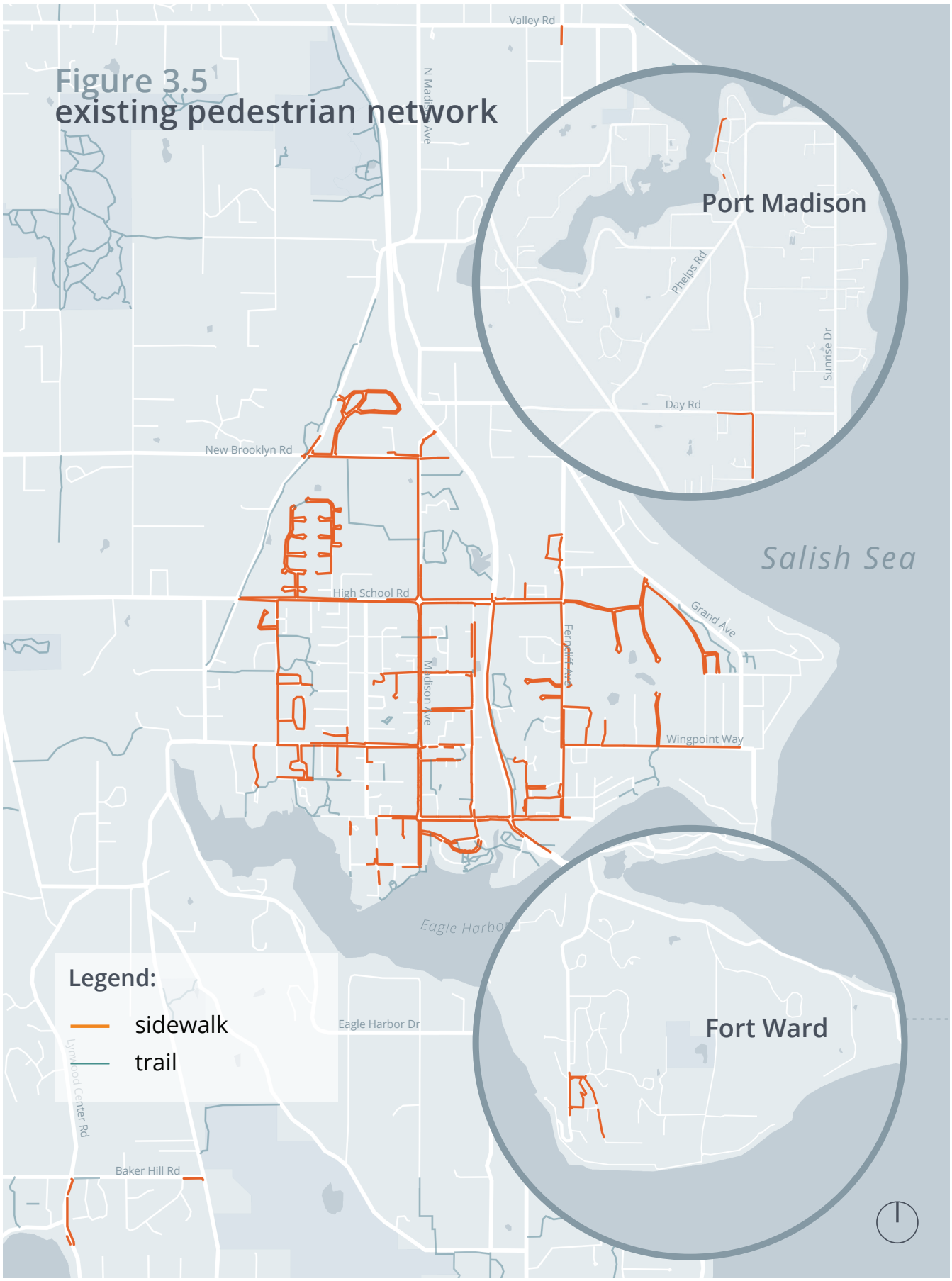


Figure 3.5
existing pedestrian network



and not all trails may be suitable for all users based on user ability and traveling mode. For example, some trails are too steep or technical to be wellsuited to commute trips, while other trails do not provide convenient access to key destinations. Therefore, to support the goals established in this plan and to also help clarify the role of the City in trail development, the City prioritizes the planning and development of trails and trail connections that facilitate active transportation trips. The City will continue to rely on its partnership with BIMPRD to continue building out the recreational trail network.

The future mobility network that is presented in Chapter 4 attempts to improve these conditions by improving safe connections to trail areas and expanding trail connections on key cross-Island routes. The City will continue to use the BIMPRD's trail development standards in its own trail development to maintain consistency in trails regardless of ownership.

3.4 Existing Transit and Shared Mobility Network

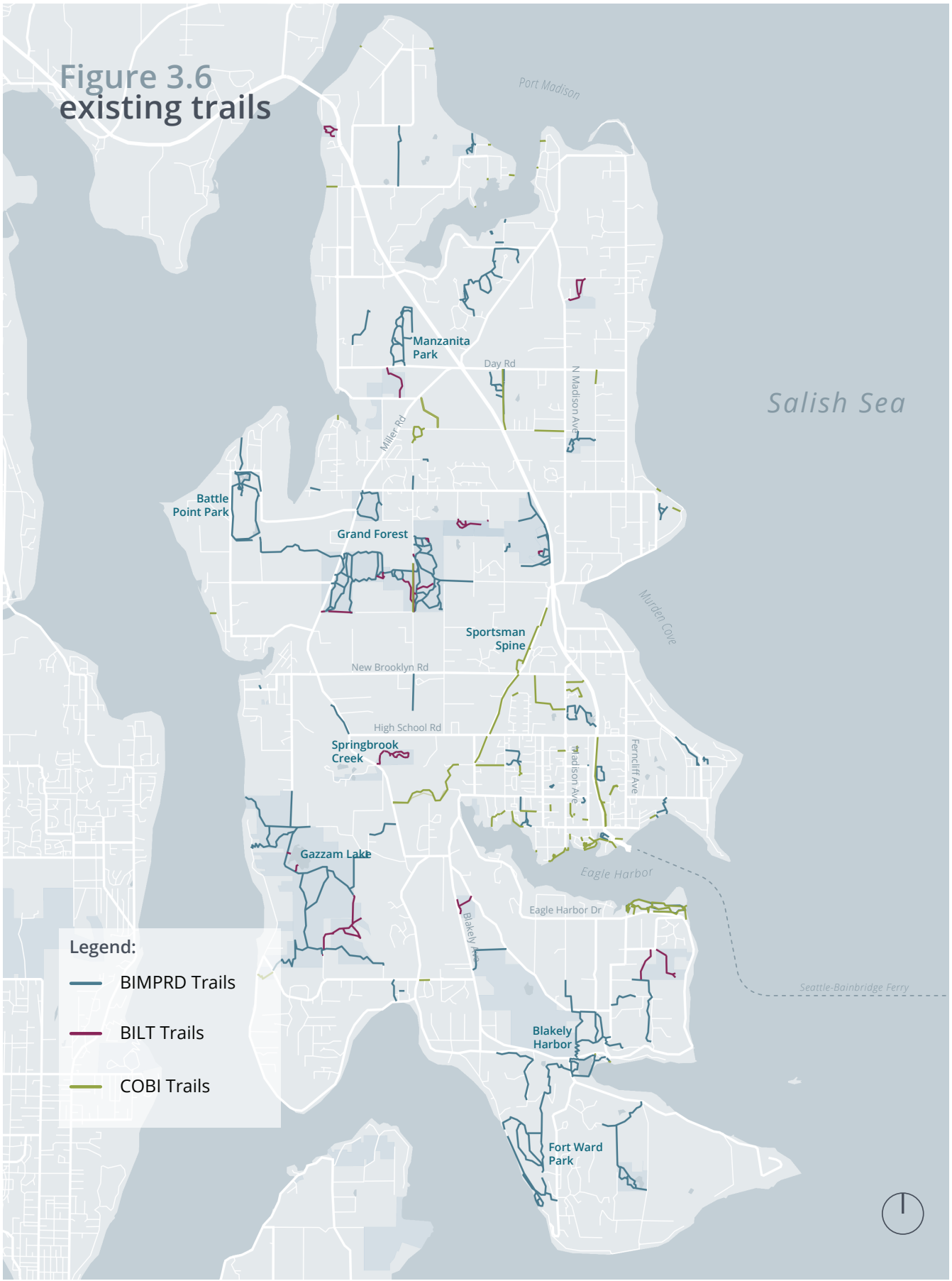
Kitsap Transit, Clallam Transit, and Washington State Ferries provide local and regional transit service on Bainbridge Island. Kitsap Transit is the primary transit service provider and operates approximately 110 miles of bus routes and 125 bus stops on the Island. The commuter transfer station for Kitsap Transit bus service is located in Winslow at the ferry terminal. There are no bus maintenance depots or fueling facilities located on the Island. Kitsap Transit also operates BI Ride, an on-demand service hailed through a digital booking app, or through a pick-up at designated stops and times Monday through Saturday. Existing park and ride facilities are located at Bethany Lutheran Church, Island Church, American Legion Post, and Day Road park and ride lot on SR 305. A map of existing transit and mobility options is included in Figure 3.8. Washington State Ferries provides regional transit with approximately 21-23 sailings per day between Bainbridge Island and Seattle. The maximum passenger capacity per ship is approximately 2,500 people and the vessels can accommodate between 144 and 202 passenger cars. Clallam Transit offers regional bus service between Bainbridge Island, Poulsbo, Sequim, and Port Angeles with multiple daily trips.

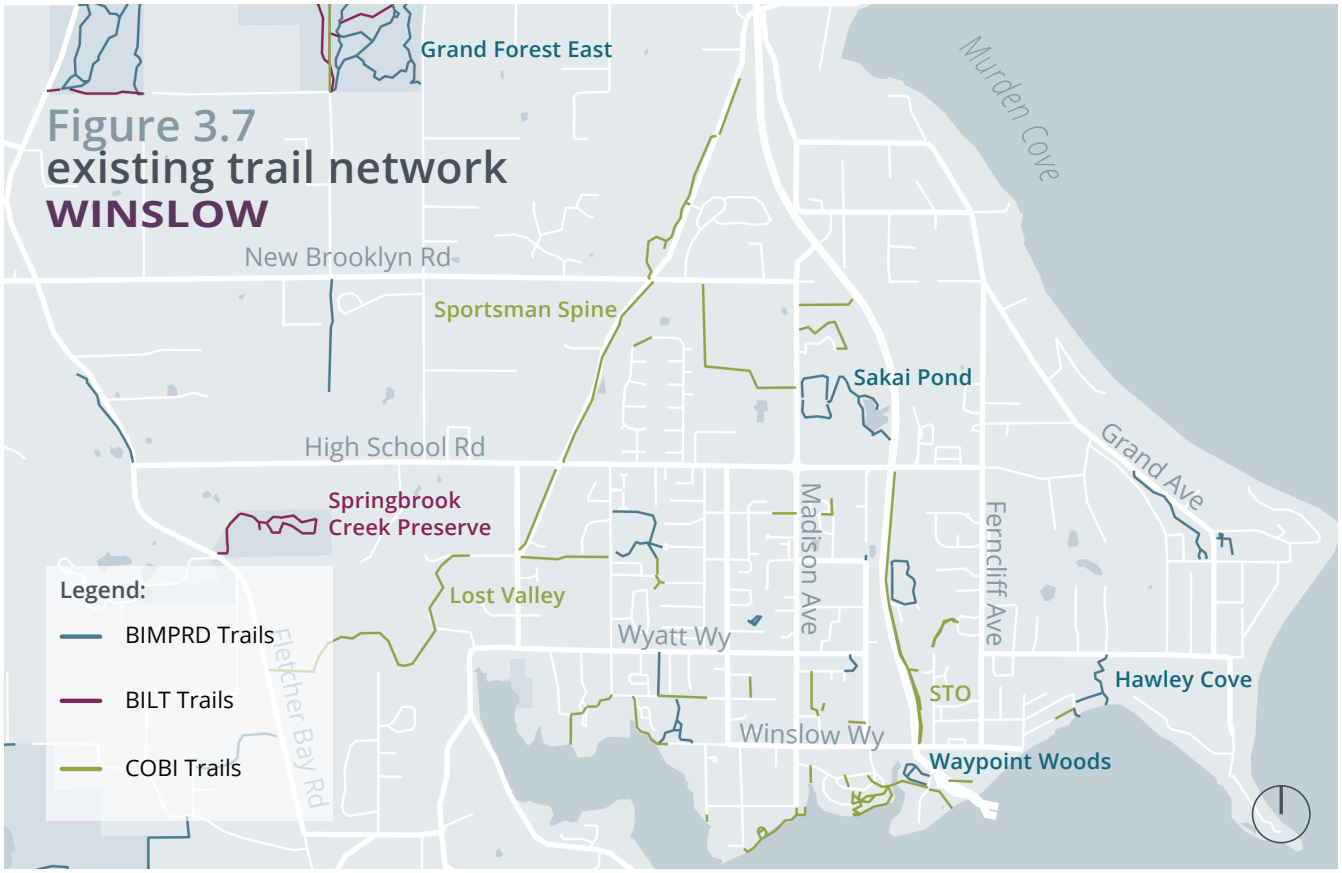
Transportation Demand Management (TDM)

In addition to traditional transit services, there are also several other smaller programs generally targeted at transportation demand management (TDM). TDM programs aim to encourage the adoption of non-single occupancy vehicle travel modes with the goal of reducing greenhouse gas emissions. Multiple agencies and organziations provide TDM programming on Bainbridge Island including Kitsap Transit and ZEV Co-op. ZEV Co-op operates an electric car sharing service in the region, and has multiple vehicles stationed at City Hall that are available for public use. Kitsap Transit currently offers the following TDM programs:

- **SCOOT the SCOOT** Program provides a free to use car for commuters who use some mode other than driving alone. This car is intended to encourage non-driving commutes by providing a vehicle that can be used for personal errands such as doctor's appointments
- **Carpool + Vanpool** Kitsap transit provides carpooling and vanpooling resources for residents and workers in Kitsap County. Kitsap Transit provides vans (including gas and maintenance) to registered vanpools

Figure 3.6
existing trails





3.5 Existing Roadway Network

The roadway network is designed for the movement of people and goods throughout the community. Major regional transportation features of the Island include the Washington State Ferry Terminal, which connects Bainbridge Island to downtown Seattle; and SR 305, which connects the Island to the Kitsap and Olympic Peninsula. SR 305 is the Island's principal transportation corridor, providing an important north-south connection. The State system is supported by a City roadway network of approximately 210 miles that connects residential areas and neighborhood centers to WSDOT facilities.

This section describes current operating conditions, which serves as a baseline for future comparisons. The vehicle and freight network analysis focuses on delay at intersections under 2022 conditions, which is the base year for the Comprehensive Plan update.

Road Classification

The City's roadway network is categorized into four functional classifications. These classifications indicate the level of traffic service that a roadway is intended to provide. Roadway functional classifications are used to determine roadway level of service standards and to support multimodal level of service analyses. The City's roadway classifications are described in Table 3.1 below and displayed in Figure 3.9.

Road classification also plays an important role in emergency evacuation routes. Higher classes of roadways are better able to transport higher volumes of traffic off the Island in the event of an emergency.

Figure 3.8
existing transit + shared mobility network

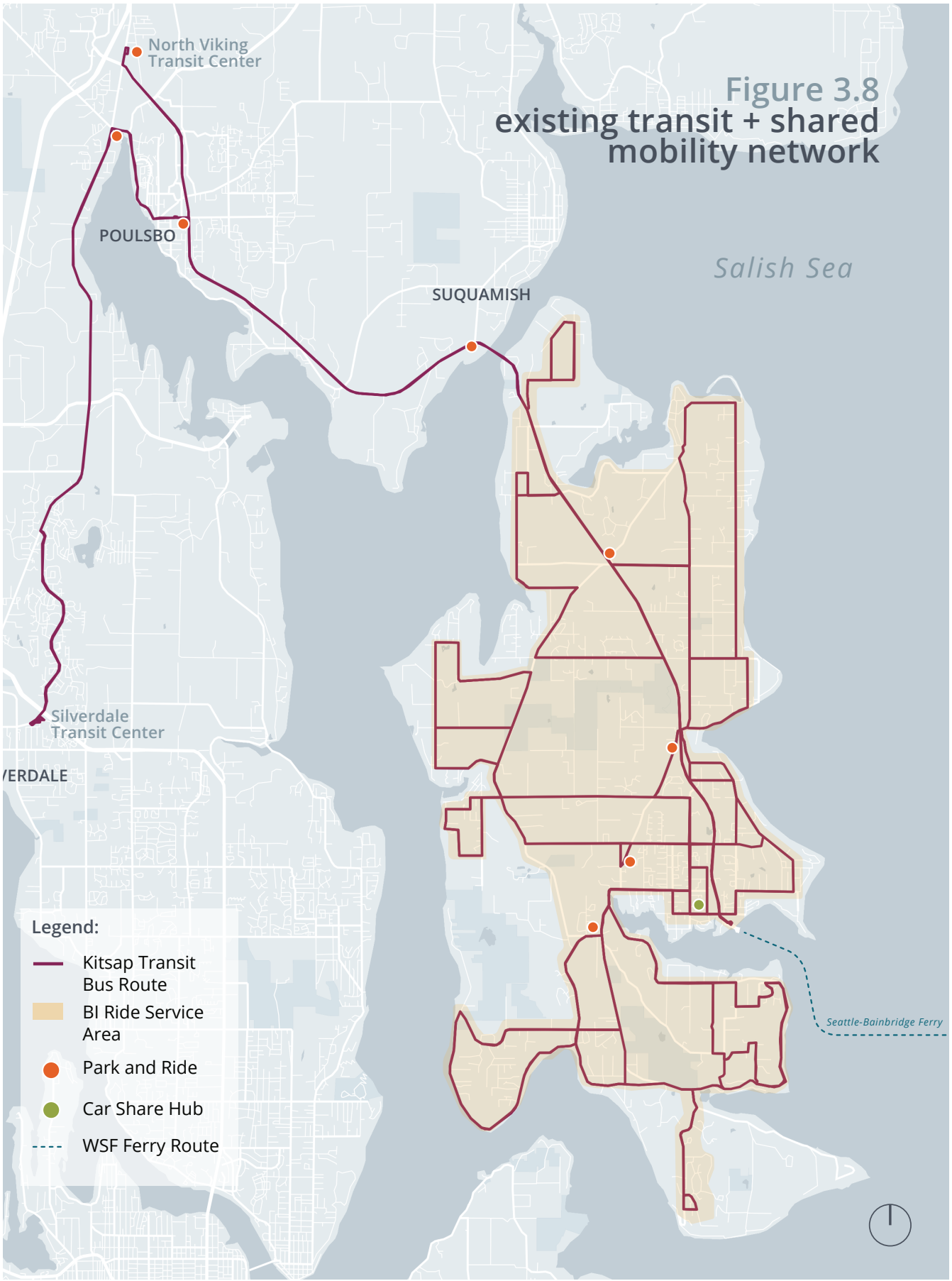


Figure 3.9
road classification

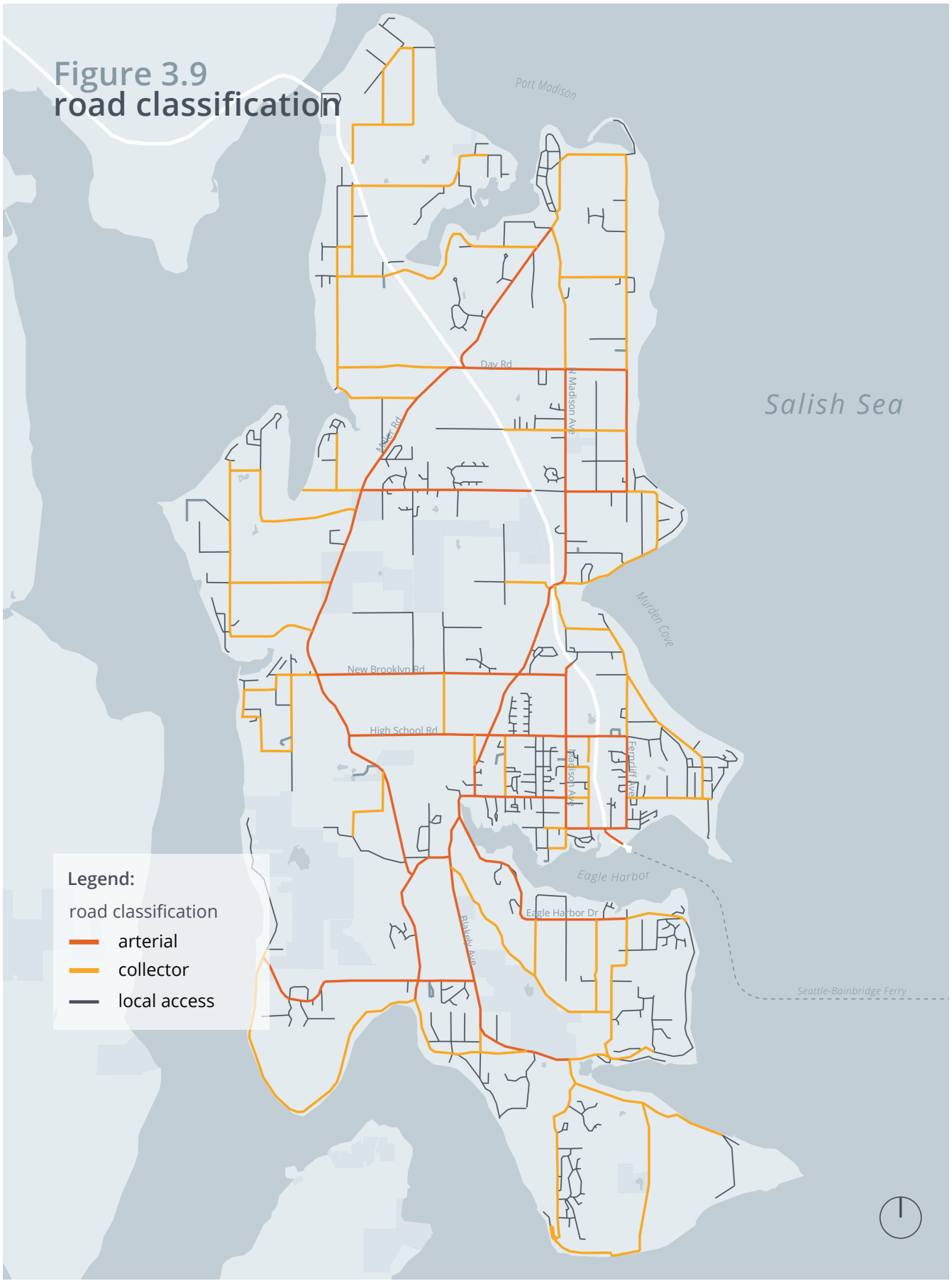


Table 3.1 Road Classifications

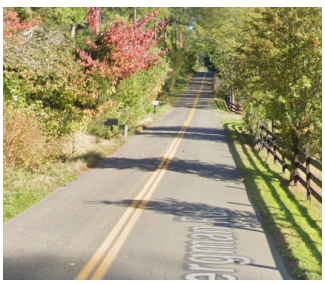
Classification	Definition	Example
Primary Arterial	Carries the highest levels of traffic in the system at the greatest speed for the longest uninterrupted distance, often with some degree of access control. Used for through trips and connections within the system.	SR 305
Secondary Arterial	Carries a high level of traffic at moderate speed, sometimes for through trips. Often serves as access to high-intensity land uses such as major employers or larger commercial centers; provides connections within the system.	New Brooklyn Rd
Collector	Connects traffic from residential roads to arterials at a lower speed, carrying lower levels of traffic than arterials. Serves neighborhood centers.	Bergman Rd 
Local Access	Carries low levels of traffic at low speeds. Serves as access to residential and commercial areas. Not used for through trips.	Mandus Olson Rd

Table 3.2
2023 traffic counts

Intersection	PM Peak Hour Volume
Lynwood Rd/Baker Hill Rd	924
Bucklin Hill Rd/Eagle Harbor Dr	1958
Wyatt Wy/Finch Rd	2060
Weaver Rd/Wyatt Wy	1422
Grow Ave/Wyatt Wy	1145
Madison Ave/Wyatt Wy	2328
Madison Ave/Winslow Wy	1750
SR305/Winslow Wy	2982
Ferncliff Ave/Winslow Wy	549
Ferncliff Ave/Wing Point Wy	680
SR305/High School Rd	3386
Fercliff Ave/High School Rd	1740
Madison Ave/High School Rd	3574
Grow Ave/High School Rd	1555
Weaver Rd/High School Rd	784
Sportsman Club Rd/High School Rd	1736
Fletcher Bay Rd/High School Rd	1105
Fletcher Bay Rd/New Brooklyn Rd	1560
Madison Ave/New Brooklyn Rd	1712
SR305/Madison Ave	3265
Sportsman Club Rd/SR305/Madison Ave	3972
Miller Rd/Koura Rd	1344
SR305/Koura Rd	3098
N Madison Ave/Valley Rd	1287
SR305/Lovgreen Rd	2912
SR305/Day Rd	3980
SR305/Hidden Cove Rd	3850
SR305/Port Madison Rd	3868
SR305/Agatewood Rd	3806
Madison Ave/Wallace Wy	1766
Winslow Wy/Ericksen Ave	1184
Bucklin Hill Rd/Blakely Ave	1490

Source: Fehr & Peers. 2024.

Table 3.3
2024 intersection delay

Intersection Name	Level of Service (LOS) Standard	Existing LOS	Existing Delay (seconds)
Miller Rd NE & NE Koura Rd	C	C	17
Madison Ave & Valley Rd	C	B	12
Fletcher Bay Rd NE/Miller Rd & New Brooklyn Rd	D	B	12
Fletcher Bay Rd NE & High School Rd NW	C	B	12
Lynwood Center Rd & NE Baker Hill Rd	D	B	13
Madison Ave N & New Brooklyn Rd	C	C	19
Sportsman Club Rd & High School Rd NW	D	B	14
Weaver Rd NE & High School Rd NW	D	B	13
Grow Ave NW & High School Rd NW	D	C	15
Madison Ave N & High School Rd NW	D	B	14
Ferncliff Ave NE & High School Rd NE	D	A	10
Madison Ave N & Wallace Way NE	D	C	19
Bucklin Hill Rd NE & Blakely Ave NE	C	C	19
Bucklin Hill Rd & Eagle Harbor Dr	C	B	13
Wyatt Way NW & Finch Rd NE	D	D	29
Weaver Rd NE & Wyatt Way NW	D	C	17
Grow Ave NW & Wyatt Way NW/Wyatt Way NE	D	B	13
Madison Ave N & Wyatt Way NE	D	A	7
Ferncliff Ave NE & NE Wing Point Way	D	B	11
Madison Ave N & Winslow Way E	D	B	14
Winslow Way E & Ericksen Ave NE	D	C	17
Ferncliff Ave NE & Winslow Way E	D	A	9
SR 305 & Winslow Way E	D	C	25
SR 305 & High School Rd NE	D	D	48
SR 305 & Madison Ave N	D	C	32
SR 305 & Sportsman Club Rd/Madison Ave	D	D	54
SR 305 & NE Koura Rd	D	C	21
SR 305 & NE Lovgreen Rd	D	**E**	**39**
SR 305 & Day Rd	D	D	39
SR 305 & NE Hidden Cove Rd	D	**E**	**48**
SR 305 & Ne Seabold Rd/W Port Madison Rd	D	B	18
SR 305 & Agatewood Rd NE	D	D	26

Source: Fehr & Peers, 2024

However, the Island's arterial roads are often lacking in dedicated active transportation facilities which creates dangerous conditions for vulnerable users during periods of traffic congestion. Figure 3.10 shows the Island's priority evacuation routes.

Existing Traffic Conditions

The City collects regular traffic counts to assess changes in travel behaviors, to collect information for its concurrency program, and to track the operational health of the City's roadways. The City most recently collected traffic counts in 2024, the results of these counts are shown in Table 3.2. Additional information regarding level of service standards and how the City can mitigate traffic impacts is included in Chapter 5.

Traffic Counts

The City collects periodic traffic counts in key locations across the Island to understand vehicle volumes on City roadways. This information is used to inform mobilty network improvements and helps the City to better understand travel behavior on the Island. Traffic count data is collected at a roughly biennial cadence. 2023 traffic counts at selected intersections are provided in Table 3.2.

Intersection Delay

In addition to collecting periodic traffic counts, the City also collects information on intersection delay— or the amount of time that a vehicle dwells, on average, at an intersection. This data is used to assess an intersection's performance against adopted level of service standards. Table 3.3 provides the average intersection delay at 32 intersections across the Island. For information regarding roadway level of service standards, refer to Chapter 5.

3.6 Safety

The City is committed to creating safe conditions for all road users regardless of transportation mode. The City keeps records of all reported traffic accidents that occur on the Island and collects information regarding the type and severity of accidents. The City is responsive to resident feedback on safety concerns and conducts regular Traffic Operations Committee meetings to address these concerns and analyze solutions.

Accident History

Between 2019 and 2024, the Bainbridge Island Police Department reported a total of approximately 1,250 traffic accidents for an average of about 200 accidents per year. While only 5% (61) of all accidents involved a pedestrian or bicyclist, they account for over 20% of traffic accident-related injuries. Of all traffic accidents involving active transportation road users, more than 90% resulted in injury (compared to just 20% of accidents involving only motor vehicles). These statistics provide justification for implementing strategies that improve safety conditions for vulnerable road users.

The charts shown in Figures 3.11 – 3.13 provide additional analysis on traffic accidents occurring on Bainbridge Island.

Traffic Calming

One strategy for improving transportation safety is traffic calming. Traffic calming is the use of road design features to slow vehicle traffic speeds. Traffic calming interventions may also be used to reduce traffic volumes.

Speed

Reducing vehicle traffic speeds is one key strategy for improving safety for bicyclists and pedestrians. A 2023 study of National Highway Traffic Safety Administration (NHSTA) data indicates that a pedestrian

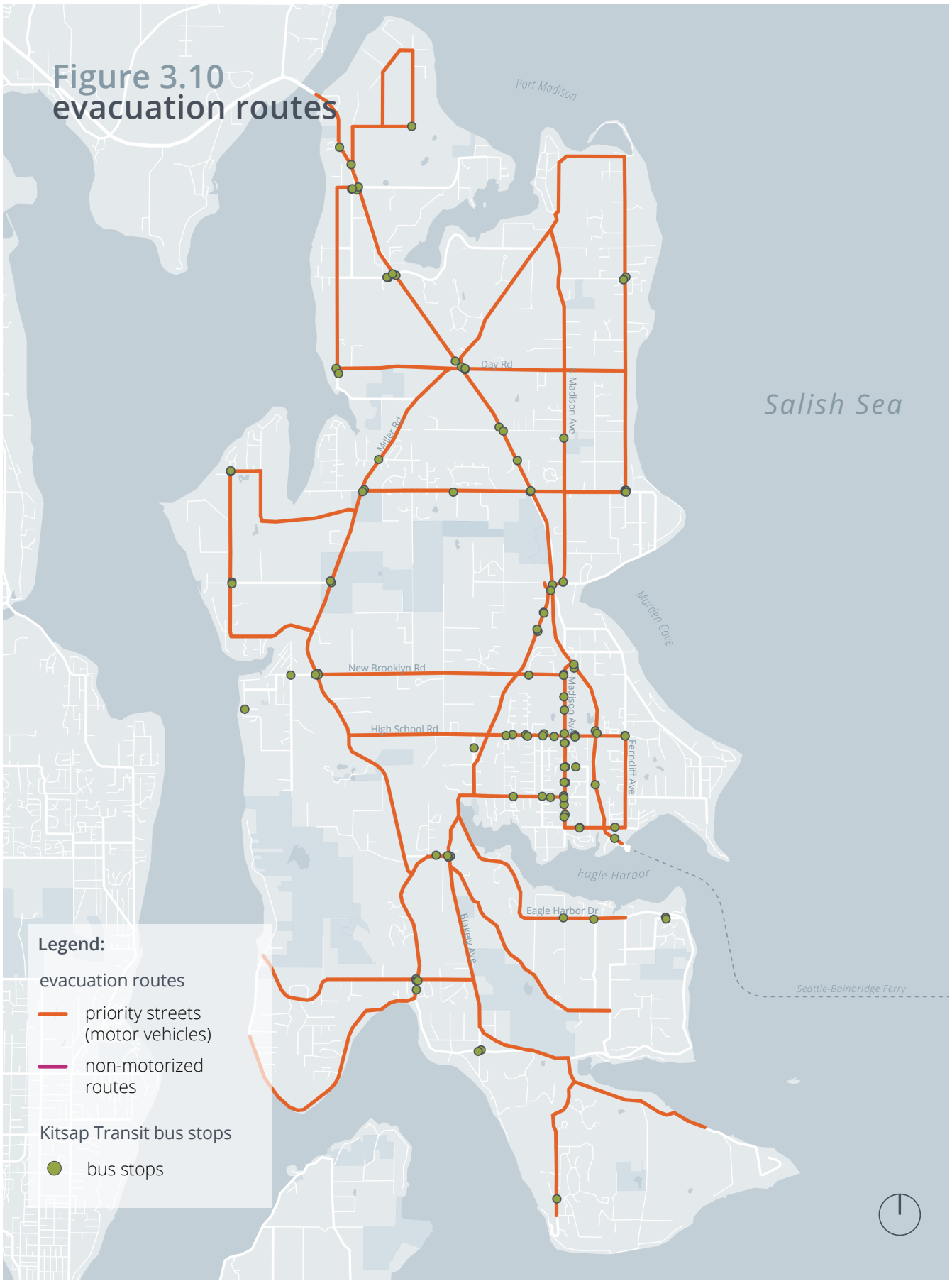


Figure 3.10
evacuation routes
Port Madison
Salish Sea
Day Rd
Miller Rd
Madison Ave
New Brooklyn Rd
High School Rd
Ferncliff Ave
Murden Cove
Eagle Harbor
Eagle Harbor Dr
Blakely Ave
Seattle-Bainbridge Ferry
Legend:
evacuation routes
priority streets (motor vehicles)
non-motorized routes
Kitsap Transit bus stops
bus stops

Figure 3.11
traffic accidents by collision type 2019-2024

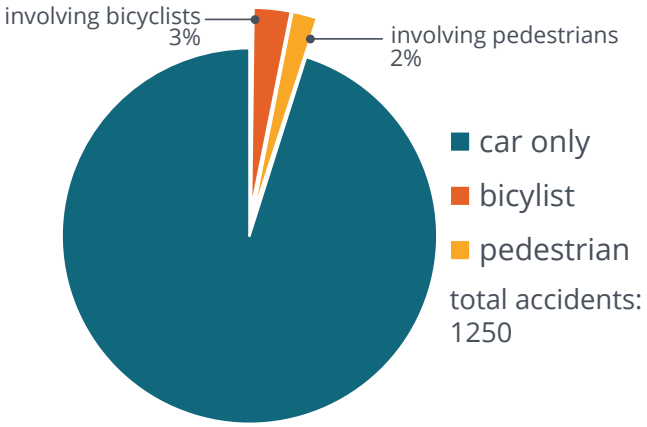


Figure 3.12
injuries by collision type 2019-2024

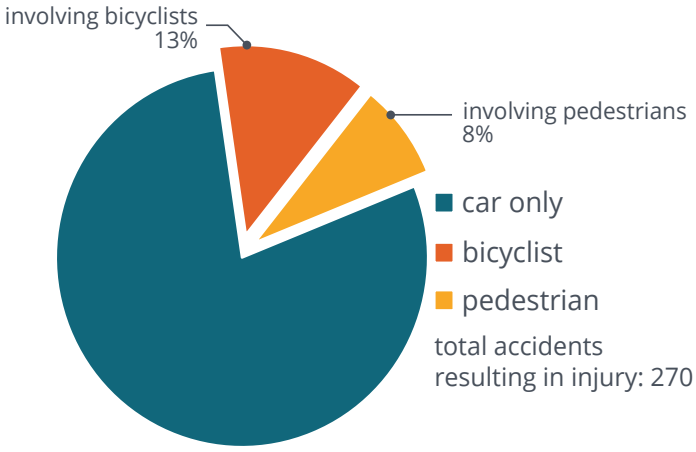


Figure 3.11 shows that approximately 5% of all traffic collisions on Bainbridge Island involve active transportation users. This is in contrast to Figure 3.12 which indicates that despite only making up 5% of all accidents, active transportation users account for over 20% of all traffic related injuries.

Figure 3.13
traffic accidents by year and collision type 2019-2024

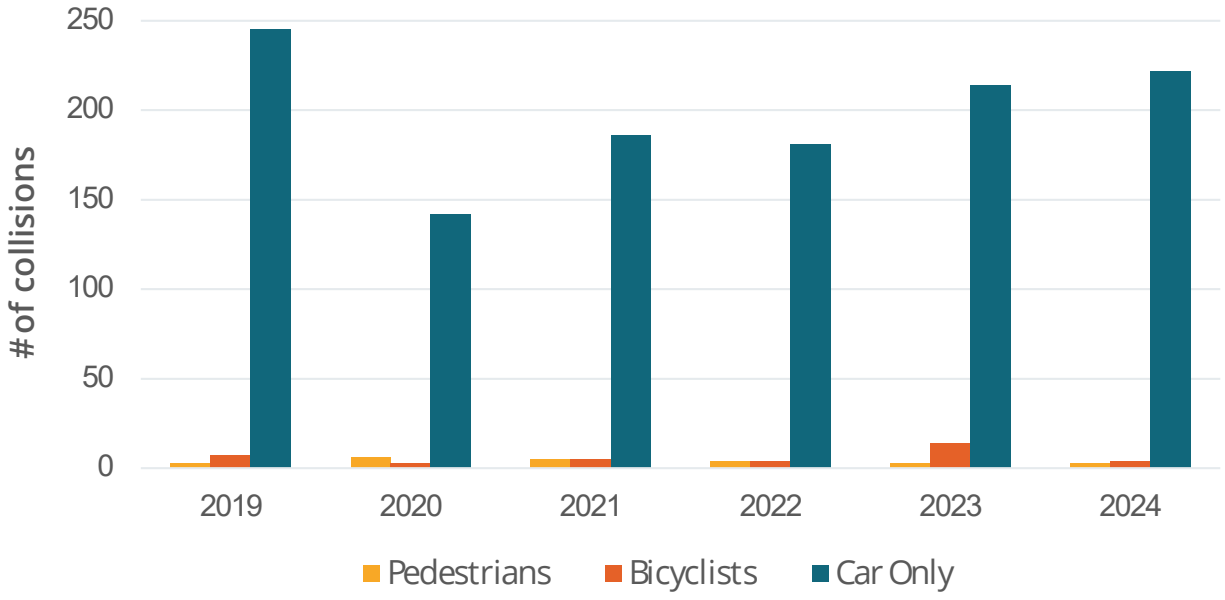


Figure 3.13 shows the number of collisions by year and collision type. While overall, the number of traffic accidents in 2020-2024 is fewer than the number of accidents in 2019, the number of accidents appear to be slowly increasing.

has a 75% survival rate when struck by a vehicle traveling at 32 miles per hour (mph). At speeds of 42 mph, just 10 mph faster, the survival rate drops to 50%.

Traffic calming strategies, such as chicanes, speed tables, and pinch points require motorists to slow down to safely navigate the road. Other traffic calming strategies such as raised center medians and raised crosswalks have the added benefit of increasing the visibility of pedestrians and bicyclists.

Traffic calming interventions may be implemented as spot treatments (Sakai Park), or they may be implemented along an entire corridor (Grow Ave.).

Volume

Traffic volume is one of the most useful indicators of the level of stress a bicyclist or pedestrian experiences while using a roadway. On lower volume roads, drivers tend to give active transportation users more space and pass bicyclists and pedestrians at safer speeds. Minimizing traffic volumes through road design often entails changing the roadway to limit through traffic. The existing mobility network on Bainbridge Island makes implementing these strategies difficult to accommodate. However, converting streets into one-way couplets and restricting roads to local traffic only present viable options for reducing traffic volumes on Bainbridge Island.

Safety Spot Improvements

The City frequently receives requests from residents to improve safety conditions on the Island's roads. The City evaluates these requests and provides responses through the Traffic Operations Committee which is comprised of staff representatives from the Public Works, Police, and Executive departments. Some of the safety challenges the City seeks to address are:

- **High speed/high volume traffic**
- **Complex turning movements**
- **Sight distance challenges (blind curves, hills)**
- **Lack of visible active transportation facilities**

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4 MULTIMODAL VISION

MULTIMODAL VISION

Bainbridge Island's multimodal network vision includes a rich variety of transportation options that meet the needs of drivers, pedestrians, bicyclists, and transit users.

This chapter focuses on the desired future conditions of Bainbridge Island's multimodal transportation system. Multimodal systems include both motorized and active transportation modes. This chapter will focus on active transportation systems as well as transit and shared mobility. This chapter acknowledges the current challenges and gaps in the existing multimodal transportation system and suggests strategies for future development.

This chapter also emphasizes the importance of the development of new programs and policies that complement capital infrastructure projects and enhance their effectiveness.

Strategies and projects proposed in this plan are presented as the ideal for Bainbridge Island's future mobility network. Implementation of the projects and programs included in this plan will be balanced against funding availability, physical design constraints including environmental features, and property availability.

4.1 Active Transportation Systems

Active transportation users – people walking, cycling, and using mobility devices – have an important place in Bainbridge Island's mobility network. Facilities that accommodate these users provide safety and access, support density, reduce impact to the environment, and ultimately provide an improved quality of life for residents, workers, and visitors. For a full list of planned and proposed active transportation projects and programs see Chapter 6.

Future Mobility Network

The Island-Wide Mobility Plan proposes the development of a connected mobility network that provides non-motorized access to many of the Island's key destinations. This proposed network builds on previous City planning efforts and the Island's existing trail network to provide safe facilities for people of all ages and abilities. This work is relies, in part, on collaboration efforts with other agencies on the Island including the Bainbridge Island Metro Parks and Recreation District, the Bainbridge Island Fire District, and the Bainbridge Island School District.

The proposed network includes new bicycle and pedestrian facilities and upgrades to existing facilities that create a greater level of separation from vehicle traffic. Proposed projects include new sidewalks, side paths, separated bike lanes, as well as neighborhood greenways and traffic calming installations. Facility types are selected based on a variety of contextual factors including road classification, road speeds, traffic volumes, and connections to destinations.

A combination of the facility types described in the figure and tables on the following

Figure 4.1
facility typology

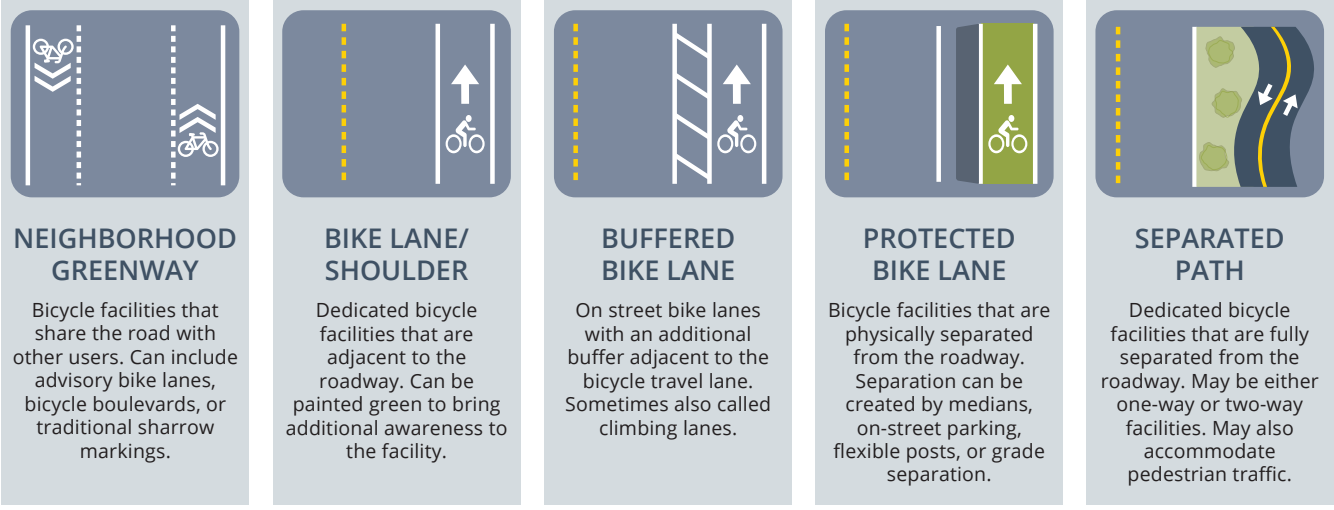


Table 4.1
facility selection considerations

	road context		
facility type	vehicle speed	traffic volume	sight distance
neighborhood greenways/ advisory bike lanes	≤ 20 mph	low volume *(eg. Old Mill Rd)*	not recommended if road has poor vertical or horizontal sight distances
striped bike lanes/ shoulders	≤ 25 mph	low volume *(eg. Old Mill Rd)*	not recommended if road has poor vertical or horizontal sight distances
buffered bike lanes	≤ 25 mph	medium volume *(eg. Eagle Harbor Dr)*	suitable for roads with poor vertical or horizontal sight distances
protected bike lanes	≤ 30 mph	high volume *(eg. Madison Ave.)*	suitable for roads with poor vertical or horizontal sight distances
separated paths	any speed	any volume	any road context

Table 4.2
facility design guidance

	design guidelines			
facility type	lane width	buffer width	markings	other considerations
neighborhood greenways/ advisory bike lanes	not applicable	none	sharrows or advisory bike lane striping	consider restricting vehicle access; pair with traffic calming
striped bike lanes/ shoulders	6′	none	bike lane marking; green striping at intersections recommended	pair with traffic calming strategies
buffered bike lanes	5′	2′ painted buffer	bike lane marking; green striping at intersections recommended	pair with traffic calming strategies; consider adding road signage
protected bike lanes	5′	2′ horizontal buffer with physical barriers or 3′ vertical buffer	bike lane marking; green striping at intersections	consider corner islands or medians at intersections
protected bike lanes : 2-way	8′	2′ horizontal buffer with physical barriers or 3′ vertical buffer	bike lane marking; yellow centerline; green striping at intersections	consider corner islands, medians, and/or bike signals at major intersections
separated paths	8′-15′ *(based on bike/ ped volumes)*	none	bike/ped markings and/or yellow centerline in high traffic areas	avoid the use of bollards; use flashing beacons and/or bike signals at intersections

pages is intended to create a safe and functional active transportation network that provides convenient connections to neighborhood centers and key Island destinations, including education, employment, recreational, and cultural opportunities across the Island. Facility types should be chosen based on the surrounding roadway and land use context. The full future mobility network vision is shown in Figure 4.3 on the following page.

People Safe Intersections

In addition to creating safe and context appropriate linear facilities, the City's multimodal vision includes people safe intersections that improve the visbility and predictability of all road users as they travel through the intersection. Well-designed intersections are intuitive to navigate, encourage slow driving and turning speeds, improve visibility of users, and give priority to active transportation users. Intersection features such as lighting, raised crosswalks, curb extensions, and pedestrian islands can

help to minimize conflict at the intersection. Instersection treatments should be selected to fit the surrounding roadway context.

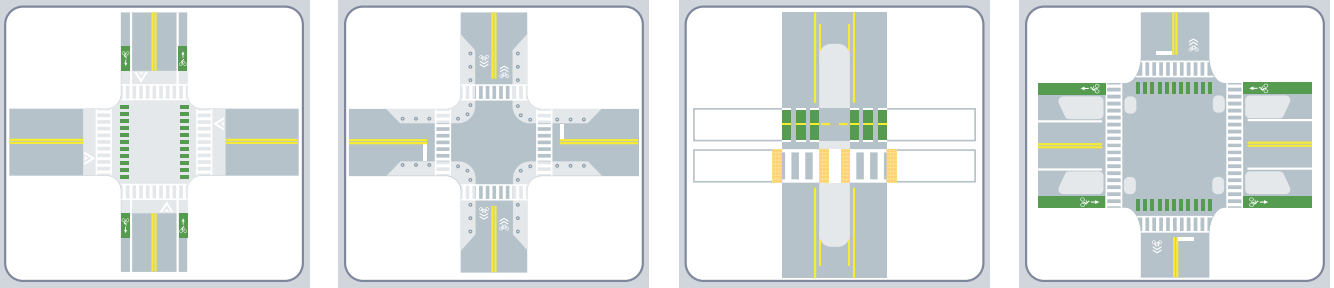
Figure 4.2 identifies common intersection treatments and design elements.

Connecting Centers

The Connecting Centers projects are a key element of the future mobility network. This collection of projects proposes to create a active transportation corridor that connects Lynwood Center to Rolling Bay via Winslow and provide connections to Island Center. Together, these projects create non-motorized access to many of the Island's key destinations including schools and employment centers. Focusing on connections between the Island's designated neighborhood centers will help facilitate active transportation trips throughout the Island by creating safe and convenient routes for walking and biking. The connecting centers projects were adopted by City Council for implementation in 2022.

Existing conditions provide safe walking and

Figure 4.2
intersection treatment examples



RAISED INTERSECTION
Raised intersections provide a visible, comfortable, and low-speed crossing environment for bicyclists and pedestrians.

CURB EXTENSIONS
Curb extensions, or bulbouts, decrease turning radii for motor vehicles and slows down vehicle turning speeds.

CROSSING ISLANDS
Crossing islands allow non-motorized users to focus on crossing one direction of traffic at a time. Crossing islands may be used at intersections as well as mid-block crossings and trail crossings.

PEDESTRIAN ISLANDS
Pedestrian islands provide a safe space for people walking between bicycle and vehicle traffic. They reduce the crossing distance for pedestrians and reduce turning radii.

COMMON INTERSECTION TREATMENTS

The following treatments are commonly used at intersections to improve the safety and visibility of non-motorized users, and to communicate to users how they should proceed through an intersection.

Detectable Warning Surface (DWS)
Raised patterns that alert visually impared users of a potential hazard such as an intersection crossing.

Shark Teeth
White triangles on road surface used to indicate where road users should yield.

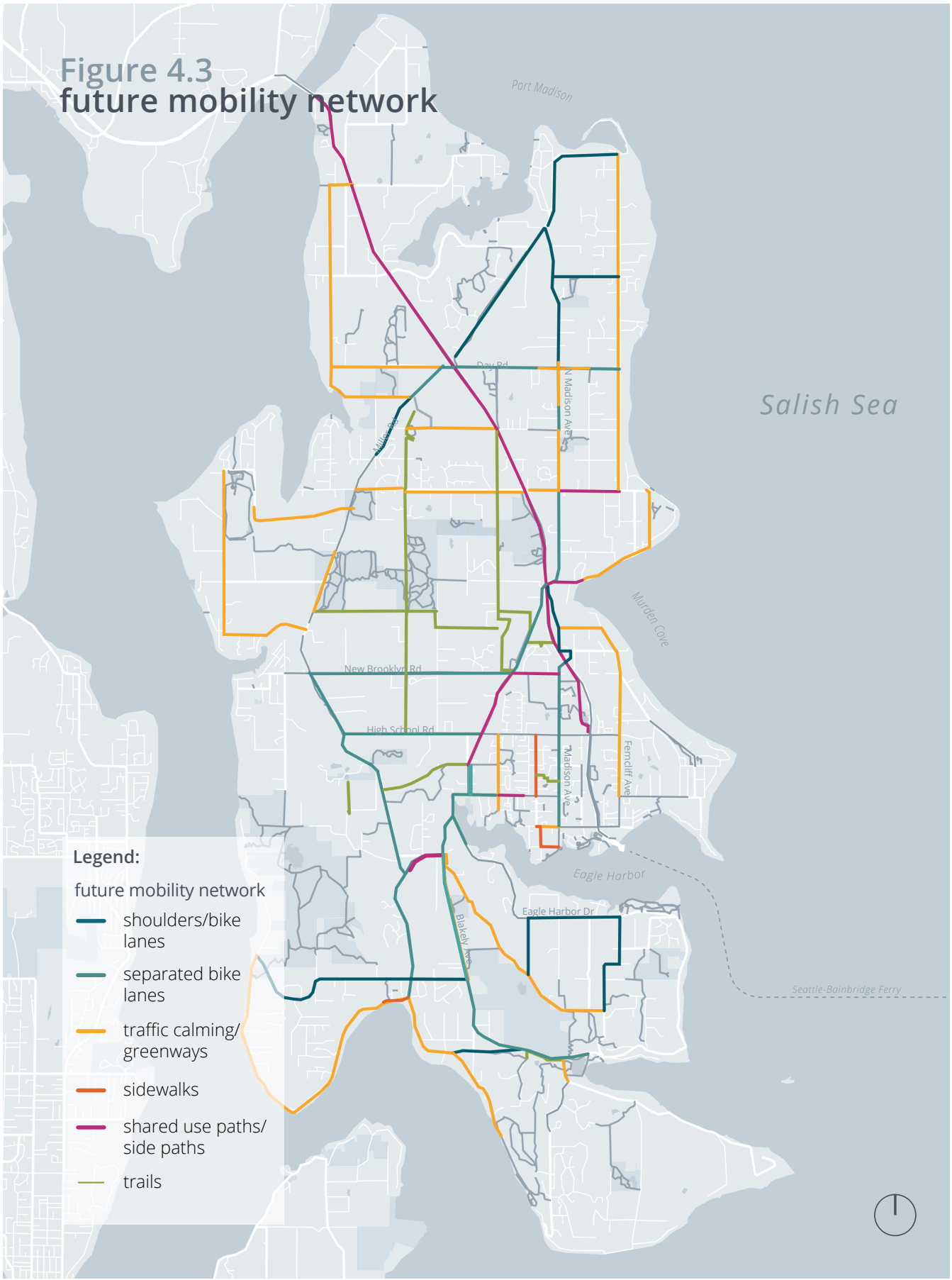
Sharrow
Road markings that indicate that motorists should share the travel lane with bicyclists.

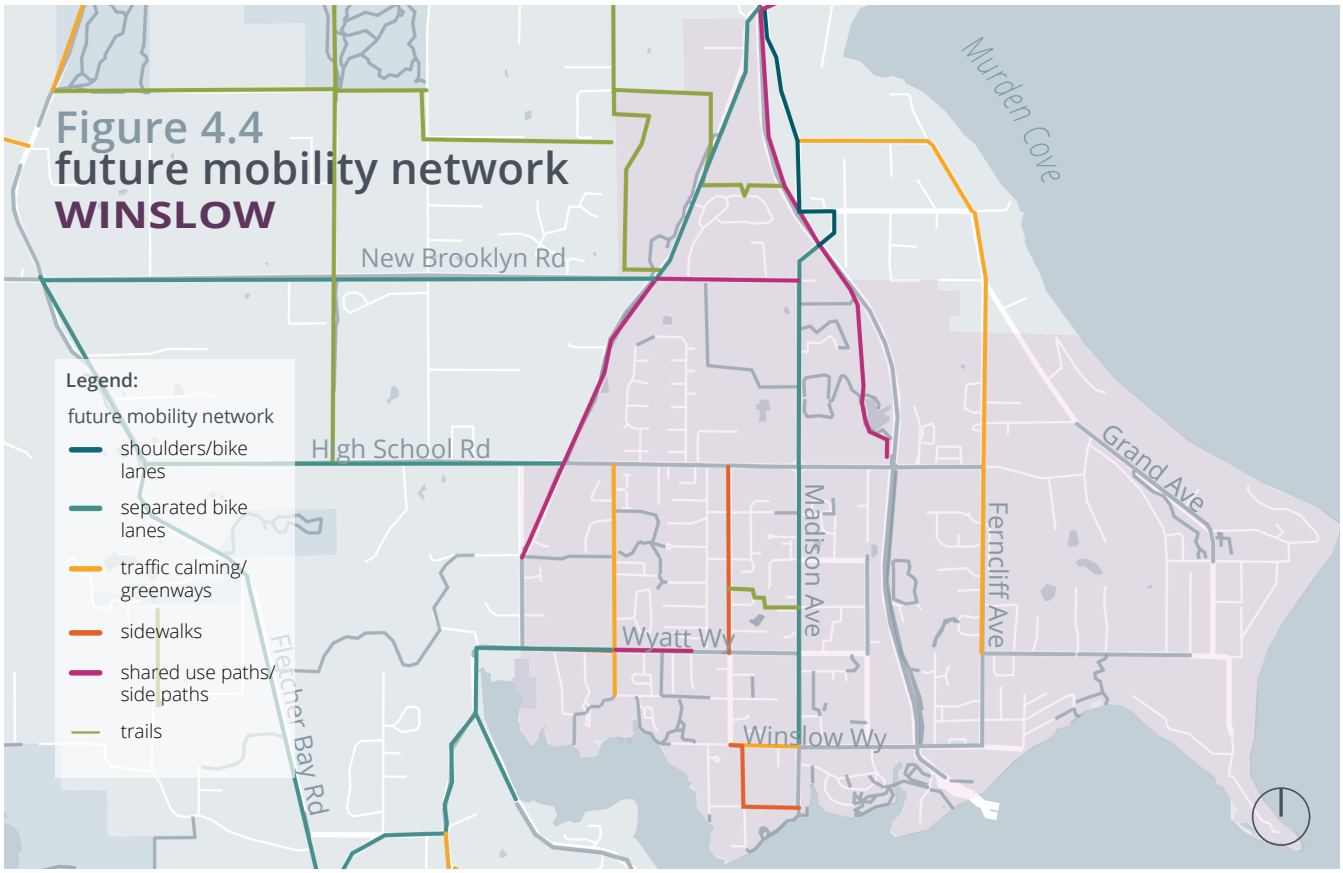
Crossbike
Green painted crossing used to indicate bicycle crossing at intersections.

Crosswalk
White painted crossing used to indicate pedestrian crossing at intersections.

Rectangular Rapid Flashing Beacon (RRFB)
Traffic control devices that emit a flashing light at crosswalk when turned on by a pedestrian.

Figure 4.3
future mobility network





biking facilities within downtown Winslow and Lynwood Center, however, these facilities abruptly end outside of these areas forcing bicyclists and pedestrians to mix with vehicle traffic. This lack of continuous facilities creates a barrier to adopting active transportation modes, especially for vulnerable users such as children and seniors.

Other identified barriers to creating connected active transportation facilities are:

- **Deficiencies in ADA-compliant facilities**
- **Inadequate and unsafe crossing conditions at roadway intersections**
- **Facilities that do not extend far enough to meet users' needs**

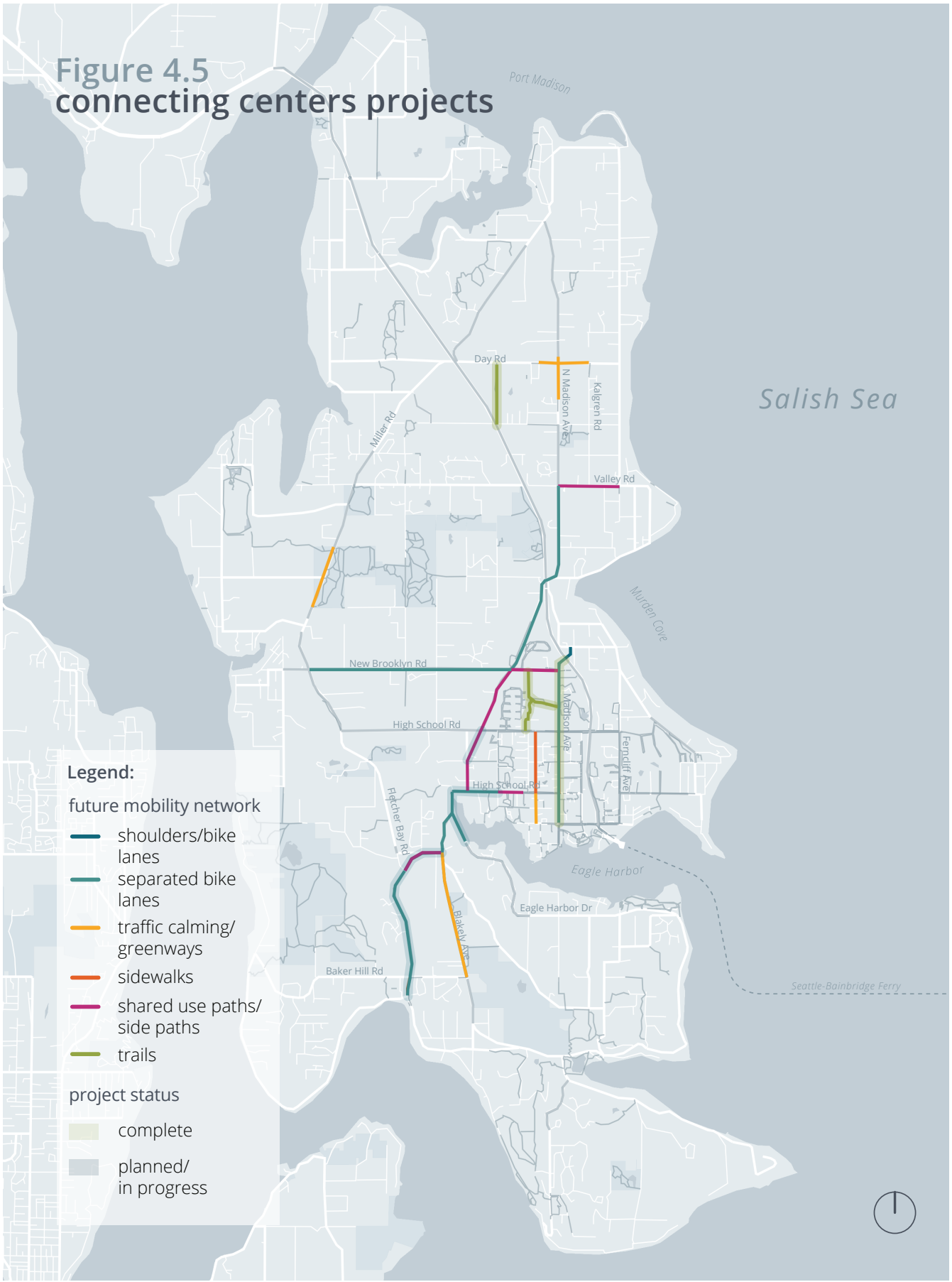
Refer to Figure 3.3 for a map of the Island's existing connectivity gaps.

Creating safe and convenient connections for bicyclists and pedestrians is a crucial strategy for reducing vehicle miles traveled (VMT). A 2021 study determined that 70% of all vehicle trips that occur on Bainbridge Island start and end on the Island and are between 2-6 miles long. These short on-Island trips are particularly well-suited for replacement by a active transportation mode. The completion of the Connecting Centers projects is estimated to reduce total vehicle miles traveled by roughly 5%, or approximately 4,500 miles daily.

All Ages and Abilities

All ages and abilities facilities provide comfortable separation from motor vehicles, both along a roadway and while crossing an intersection. All ages and abilities facilities are designed to meet the needs of all users but especially cater to the most vulnerable

Figure 4.5
connecting centers projects



road users who may otherwise not feel comfortable biking or walking to their destinations. This group includes seniors, women, children, and people with disabilities. Providing safe and low-stress facilities that all bicyclists and pedestrians can feel comfortable using empowers people to take more active transportation trips. Increased active transportation trips reduce traffic congestion, improve air quality, provide more equitable access to jobs, and bolster local economies. Creating all ages and abilities infrastructure not only benefits current cyclists and pedestrians, but also benefits future bicyclists and pedestrians, motorists, local economies, and the environment.

The IWMP proposes the creation of an all ages and abilities network that connects active transportation users to destinations across the Island. All ages and abilities facilities are defined as bicycle and pedestrian facilities that achieve a level of traffic stress (LTS) of one. More information about LTS is included in Chapter 5.

Figure 4.5 shows the proposed Connecting Centers and All ages and Abilities network.

Sound to Olympics Trail

The IWMP supports the continued development and implementation of the Sound to Olympics (STO) Trail. The STO is a regional trail which, once completed, will run from the Bainbridge Island Ferry Terminal through the Kitsap Peninsula to Port Gamble. The STO will connect with the Olympic Discovery Trail to provide seamless non-motorized access to the Pacific Coast.

The STO provides an all ages and abilities facility from the ferry terminal to the Agate Pass Bridge along the SR305 corridor and is an important part of the Island's future mobility network. Combined with the Connecting Centers projects, this would create a complete all ages and abilities connection from Lynwood Center to the Agate Pass Bridge. The STO will improve non-motorized access to destinations such as the Bainbridge Island Recreation Center, Meigs Park, and the Day Road business-industrial area. In addition, the STO will also provide safe, convenient, and low-cost access to off-Island destinations.

In 2024 the Bainbridge Island City Council approved a preliminary alignment for the STO. The preferred route alternatives can be found in Appendix D.

The STO is particularly reliant on strong partnerships with local and regional agencies and organizations such as the Bainbridge Island Parks and Trails Foundation and the Leafline Coaltion. Maintaining and strengthening these partnerships is a priority.

4.2 Transit + Shared Mobility

Transit and shared mobility—programs such as carshare or bike share—play an important role in Bainbridge Island's mobility network. These transportation options provide sustainable alternatives to using a personal vehicle for both long and short-distance trips. These options may also be preferred by users who are unable to, or uncomfortable with, walking or biking to their destinations. Providing a variety of transit and shared mobility options improves access for a wide range of users and increases the resiliency of the mobility network by providing alternatives for reaching a destination.

Island Mobility Hubs

Mobility hubs are designed to connect users to a variety of multimodal transportation options and travel amenities. Mobility hubs

ease the burden of transferring between travel modes and make adopting sustainable transportation options more convenient by clustering services and amenities in one location. Importantly, mobility hubs integrate public and private mobility services such as transit, bike share, and ride-hailing, to allow users to seamlessly access first and last mile connections which can make sustainable transportation modes a more desirable travel option.

This plan calls for the creation of multimodal mobility hubs in Lynwood Center and the Coppertop business park as well as in Rolling Bay and the High School Road commercial area. Additional mobility hubs within the Island's neighborhood centers may be warranted to meet the needs of the community. Mobility hubs are intended to be flexible in scale and design to respond to the current and anticipated needs of the community. Examples of potential mobility hub configurations are shown in figure 4.6.

Island Circulator

Two new all-electric circulator services are proposed—a Winslow circulator that operates in and around the Winslow area and an Island-Wide Circulator that provides access to destinations in Lynwood Center and other parts of the Island. These proposed circulators are intended to complement the existing transit services provided by Kitsap Transit by addressing current service gaps such as weekend and evening service. Figure 4.6 shows the proposed circulator routes.

Kitsap Transit Service

Currently, Kitsap Transit (KT) is the sole transit service provider on Bainbridge Island. Kitsap Transit operates fixed-route buses, paratransit services, flexible on-demand services, and provides vanpools to eligible groups commuting to or from anywhere in

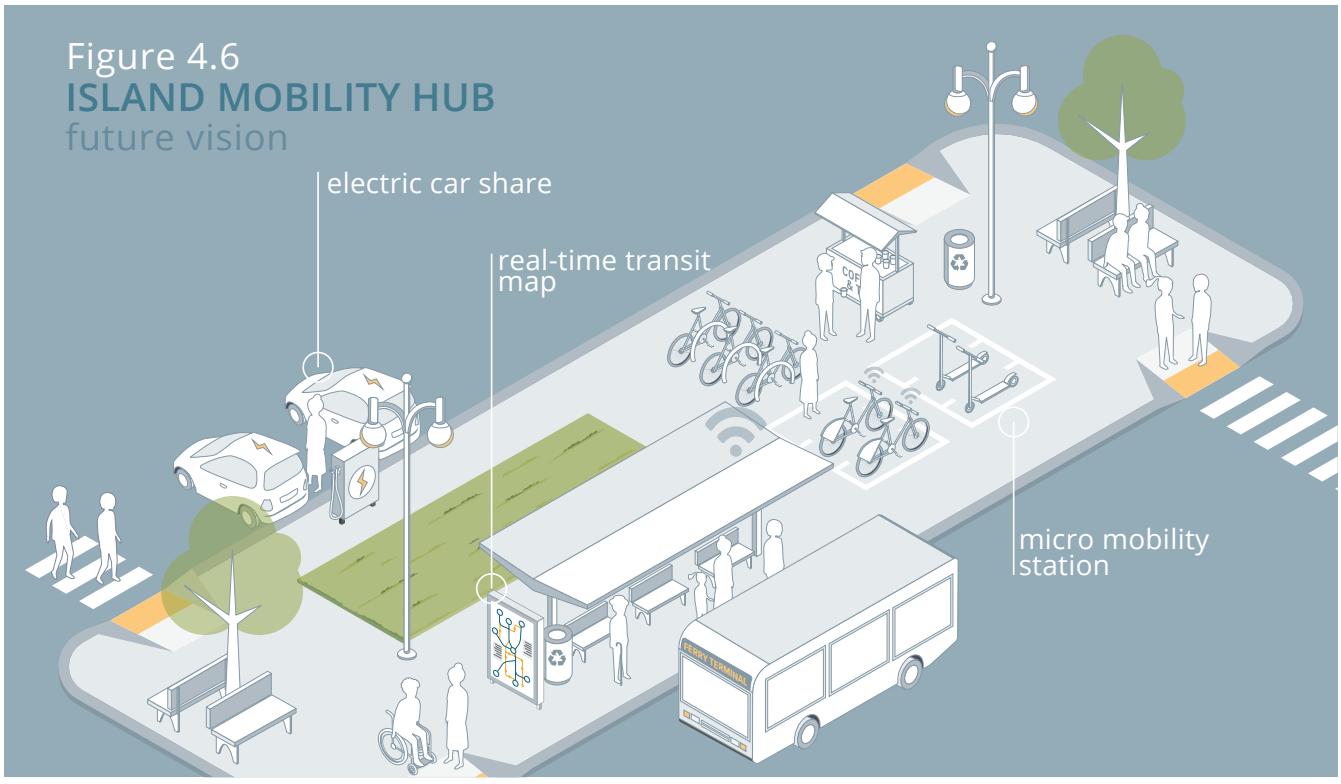
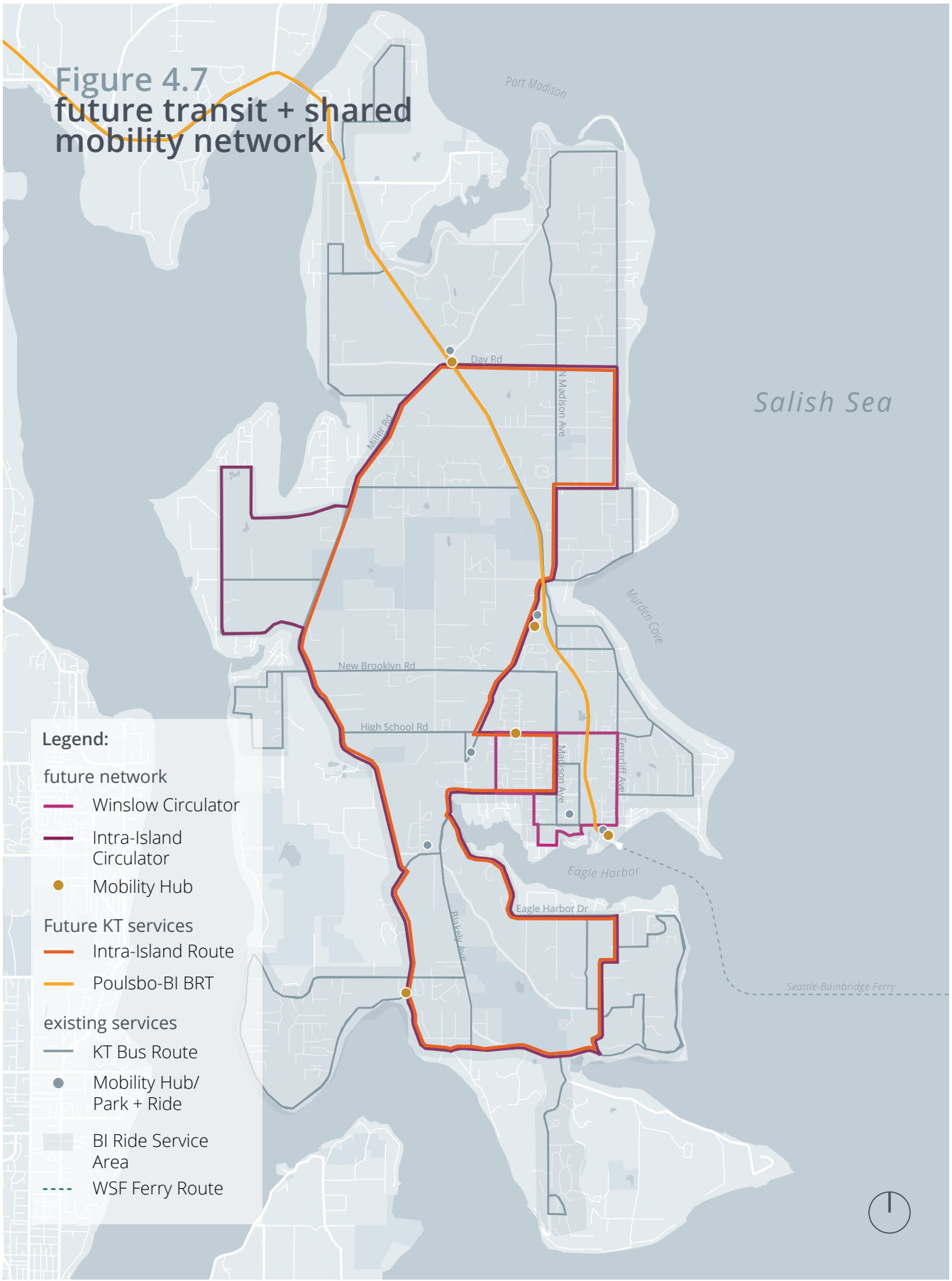


Figure 4.7
future transit + shared mobility network



the County.

Kitsap Transit publishes periodic updates to its Long Range Transportation Plan (LRTP) that establishes the agency's guiding goals and includes proposals for service and capital infrastructure improvements. The most recent Kitsap Transit Long Range Plan update was completed in 2022 and includes a variety of system improvements that directly impact transportation on Bainbridge Island. Transit improvements included in the LRTP include the following:

- **High Capacity Transit Routes** The new Bainbridge-Poulsbo-Viking Transit Center would be the Island's first bus rapid transit (BRT) route. This proposed route is also identified in Puget Sound Regional Council's Vision 2050 Plan.
- **New Local Routes:** The proposed Bainbridge Intra Island Route would create a new fixed route bus that connects Lynwood Center and Rolling Bay via Winslow and Island Center.
- **Expanded on-demand ride service:**

  The Kitsap Transit LRTP proposes expandedhurs would help capture after-school travel and improve the usefulness of the service.
- **New Circulator Route:** The Kitsap Transit LRTP proposes the creation of a Winslow Circulator that would facilitate trips in the Winslow commercial areas. This service would improve access from the ferry terminal to downtown Winslow and the High School Road commercial area.
- **Multimodal Hubs:** In addition to new services, the Kitsap Transit LRTP includes the addition of a new multimodal hub in Lynwood Center. This hub would service a variety of transportation modes including transit, biking, and rideshare.

See Appendix E for the transit service and capital investments identified in Kitsap Transit's Long Range Plan.

Micro-Mobility

Micro-mobility services such as bike-sharing programs can supplement transit and shared mobility services by providing first- and last-mile connections. As Bainbridge Island continues to grow its mobility network, the City should proactively plan for the introduction of micro-mobility services.

4.3 Programmatic Support

Infrastructure improvements should be complemented with programmatic support and policy change. Education and incentive programs can help inform and encourage future multimodal transportation users while policy changes help to evolve and refine City processes that impact transportation planning.

Programs

Implementation Oversight

The implementation of this plan will rely on the continued support and guidance provided by oversight bodies such as a Transportation Commission and/or Transportation Working Group. These oversight groups should be made up of Councilmembers and interested residents and would provide implementation recommendations to the City Council. Topics considered by these groups should be constrained to the projects, policies, and programs included in this plan.

Travel Options Programs

One key strategy for achieving the goals outlined in this plan is to provide incentives and educational resources to residents and visitors to encourage the adoption of sustainable transportation modes. This plan recommends the development of the

SAFE ROUTES TO SCHOOL

The goal of Safe Routes to School (SRTS) is to encourage more students to walk and bike by improving safety in areas around schools and by giving students and their parents the tools and resources they need to feel comfortable walking and biking. SRTS includes both improvements to the built environment and education and incentive programs.

SRTS is intended to improve health and well-being of students and their families, lower GHG emissions, and foster a generation of active transportation users.

Some Safe Routes to Schools projects and programming could include the following:

- LTS 1 facilities within 1/2 mile of schools
- Youth bicycling education program
- Bike and Walk Buses
- Improved lighting and intersections near schools to facilitate safe crossings
- Traffic calming in school zones
- Bike and helmet giveaways to low-income youth

following incentivization and education programs.

- **Safe Routes Programs** focus on developing travel options and eliminating barriers to help children, older adults, low-income residents, and other vulnerable members of the community reach their destinations safely and comfortably. Examples of safe routes programming include biking and walking buses, safe cycling education courses, and volunteer crossing guard programs.
- **Rideshare Programs** facilitate trips on the Island without the need for a personal vehicle. Programs could include the development of carpooling and vanpooling incentives or the development of carsharing services like ZEV Co-op.
- **E-Bike Voucher Program** to accelerate e-bike adoption amongst Bainbridge Island residents. This program proposes to provide a subsidy in the form of a voucher for the purchase of an e-bike. Studies have shown that e-bikes may reduce vehicle use by nearly 40% amongst adopters.
- **First/Last-Mile Transportation Programs** such as bike and scooter share and Transportation Network Companies (TNC) such as Uber and Lyft can help Island residents bridge the gap between transit services and their destinations.

Island-Wide Programs

The following program recommendations aim to provide consistency and safety in the mobility network across the Island.

- **Wayfinding Program** to develop a consistent wayfinding system across the Island. The development of this program should be done in collaboration with partner organizations such as the Park District, the Chamber of Commerce, and the School District. This program should include the development of print and on-line map resources including pedestrian and bicyclist route maps.

- **Gravel Shoulder Maintenance Program** to provide safe spaces for travel and preserve asphalt life. There are many locations along the Island's roads that have gravel shoulders with enough room for people to safely walk, roll, or ride and off-road bike. This program would invest more staff time and funding into regular maintenance of these gravel shoulders.
- **Traffic Calming Program** that plans and implements road design features such as chicanes, traffic circles, and pinch points that encourage motorists to drive at slower and safer speeds. Traffic calming projects included in this program may be temporary or permanent and should respond to the local context and resident feedback.

Policies

In addition to developing new programs to encourage transportation behavior change and improve transportation options for Bainbridge Islanders and visitors, the IWMP recommends new and updated policies that support the goals of this plan. These policies are intended to provide a decision-making framework for City staff to better direct development and resources in a way that supports the goals of this plan including reducing VMT and embedding equity considerations into projects. This following policy changes are supported by this plan:

- **Multimodal level of service standard** that updates the way the City evaluates transportation mitigation efforts needed to accommodate new development. Current level of service standards do not consider bicycle, pedestrian, or transit level of service. Using a multimodal approach would allow transportation improvements such as new bike lanes and sidewalks to be used to mitigate transportation impacts from new developments. Refer to Chapter 5 for more information on multimodal level of service.
- **Project selection criteria** that provides a systematic approach to selecting and prioritizing projects and programs for planning and implementation. This process change is intended to ensure that projects and programs included in this plan and future plans align with adopted City goals. Refer to Chapter 6 for more information on project prioritization.
- **Trail easement strategy** that establishes priority trail connection areas across trail partner agencies and clearly identifies roles and process for acquiring easements and developing trails.

5 OPERATIONS + MOBILITY

OPERATIONS + MOBILITY

Updating Bainbridge Island's level of service standards to a multimodal approach represents a shift in thinking away from automotive efficiency to multimodal network completeness that better aligns with adopted city goals.

Following the adoption of the 2022 Sustainable Transportation Plan (STP), Bainbridge Island is aligning its transportation plan and policies with goals established in the STP, including greenhouse gas reductions, safety, accessibility, and connectivity. These goals and the Connecting Centers scenario were adopted by City Council in 2022. The proposed multimodal level of service (MMLOS) framework integrates the STP goals and identifies a layered network of facilities for active transportation modes. This section outlines the MMLOS framework and standards. The section first describes the standards set as part of the 2017 IWTP before describing the updated MMLOS standards for active modes.

5.1 Prior LOS Standards

The facility types and associated LOS for active transportation infrastructure were previously established in the 2017 IWTP. The minimum bicycle level of service (BLOS) and pedestrian level of service (PLOS) for development is LOS C. PLOS and BLOS were calculated using the 2010 Highway Capacity Manual (HCM 2010) methodology. The LOS is based on quality of facilities as well as traffic volume and vehicle speeds. LOS measures are graded A through F based on a numerical score with the letter A representing facilities that are the most comfortable for walking or biking. Addition information about prior LOS standards can be found in Appendix F.

While the 2017 IWTP provides a framework for calculating MMLOS, the plan does not identify target LOS scores along specific roadways. In other words, it does not define if Bainbridge Island is striving to achieve a certain PLOS or BLOS on a given roadway. To streamline the application of these LOS standards, the proposed LOS approach outlines the desired LOS across the multimodal network. By setting a target, the City can assess the current condition and determine the type of improvement that could achieve the desired MMLOS standard.

5.2 Revised Multimodal Level of Service Approach

The subsequent sections outline the updated MMLOS metrics, standards, and guidelines for each modal network. Fundamentally, this approach to MMLOS is built off the concept of layered networks: the understanding that each mode has its own modal network, but the overall network must integrate and consider all modes simultaneously. Previous planning efforts, including the 2022 STP, outline the City's goals for greenhouse gas reduction and building out sustainable modes that are safe, accessible, and connected. Building on MMLOS efforts from the previous Comprehensive Plan, this plan revises MMLOS metrics and defines standards to clearly outline what the City, partner agencies, and developers need to implement to fulfill Bainbridge Island's multimodal network.

Bicycle Level of Traffic Stress

Level of traffic stress (LTS) is the current state of the practice in planning bike facilities. This metric is termed "level of traffic stress" instead of "level of service" to acknowledge that the same bicycle treatment can have varying levels of stress depending on the street context. In this case, the standard is measured against the level of comfort a person may experience on the facility in a specific location. This approach provides a framework for designing bike facilities that meet the needs of the intended users of the system. Figure 5.1 describes the four typical categories of cyclists, each requiring different levels of accommodation to feel comfortable using the system.

Table 5.1 displays the various treatments required for each LTS designation along corridors. With this approach, treatments required to meet each LTS designation along a corridor vary based on speed limit and traffic volume. The contextual nature of the LTS approach acknowledges that the same bike treatment under different street conditions can evoke different levels of stress. For example, a striped bike lane without a buffer may be comfortable for all ages and abilities on slow streets. However, as speeds increase and corridor conditions change, a striped bike lane would no longer meet the needs of those in the LTS 1 category. Utilizing the LTS approach for bike conditions provides the City with the opportunity to plan bike networks that address the varying comfort levels of people who bike.

The cells in Table 5.1 that contain bold text indicate where "roadway condition modifiers" affect the score. These modifiers apply under some circumstances and there may be other factors influencing LTS such as significant slopes and challenging sight distances. The modifiers in these circumstances are outlined in Table 5.2.

Resulting LTS Network

The updated LTS standards for bicycle facilities were applied to all currently planned projects included in this plan (for more information on planned projects, see Ch. 6). The results of this LTS analysis are shown in Figure 5.2. This analysis can provide additional understanding of how the future

Figure 5.1
bicycle level of traffic stress

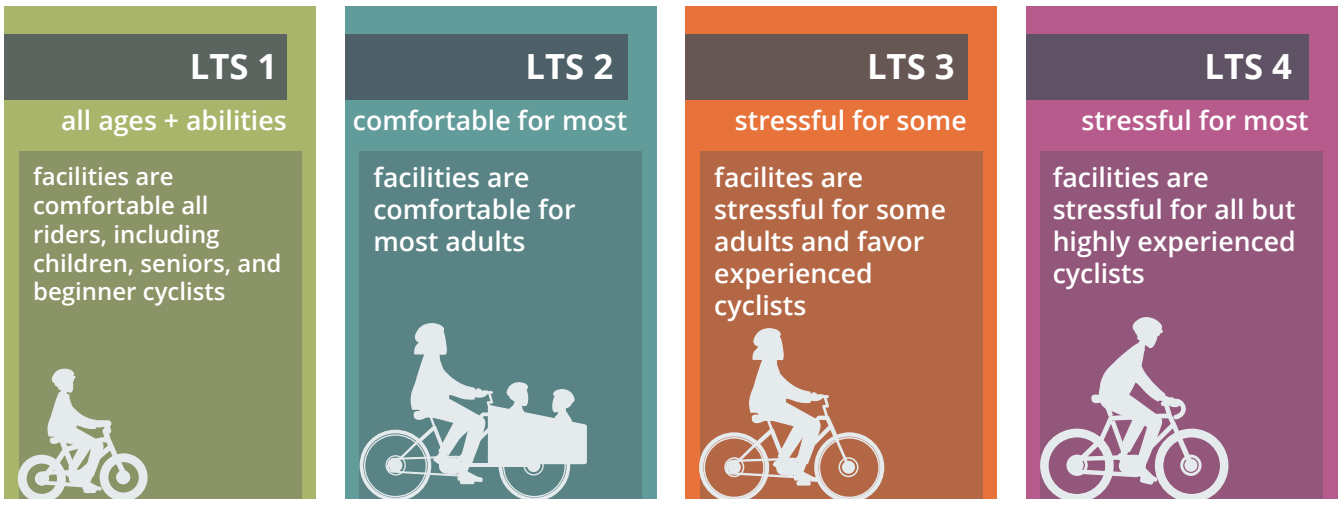


Table 5.1
bicycle level of traffic stress

speed limit (MPH)	no markings	sharrows/ traffic calming/ greenways	striped bike lane/ shoulder	buffered bike lane	separated bike lane (vertical)	separated path/ shared use path/ side path
≤ 20	**1 or 2**	**1 or 2**	**1 or 2**	**1**	**1**	**1**
25	3	3	**2 or 3**	**2**	**1**	**1**
30	4	4	3	**2 or 3**	**1 or 2**	**1**
35	4	4	4	3	3	**1**
>35	4	4	4	4	3	**1**

Note: **Bold** text indicates that there is a modifier.
Source: City of Bainbridge Island, Fehr & Peers, 2024

Table 5.2
bicycle LTS score modifiers

Speed Limit (MPH)	Treatment	LTS 1 if...	LTS 2 if...	LTS 3 if...
≤ 20	**No Marking Sharrow Striped Bike Lane/Shoulder**	Few driveways, good sight distance, and minimal roadway slopes	Numerous driveways, sight distance concerns, and/or significant roadway slopes.	N/A
25	**Striped Bike Lane/Shoulder**	N/A	Few driveways, good sight distance, and minimal roadway slopes	Numerous driveways, sight distance concerns, and/or significant roadway slopes.
30	**Buffered Bike Lane**	N/A	Few driveways, good sight distance, and minimal roadway slopes	Numerous driveways, sight distance concerns, and/or significant roadway slopes.
30	**Protected Bike Lane (Vertical)**	Vertical element that prevents vehicles from entering the bike lane (vertical curb, concrete planters, etc.).	Vertical element that limits but does not prevent vehicles from entering the bike lane (vertical flex-posts).	N/A

Figure 5.2
resulting bicycle LTS
(from IWMP project list)

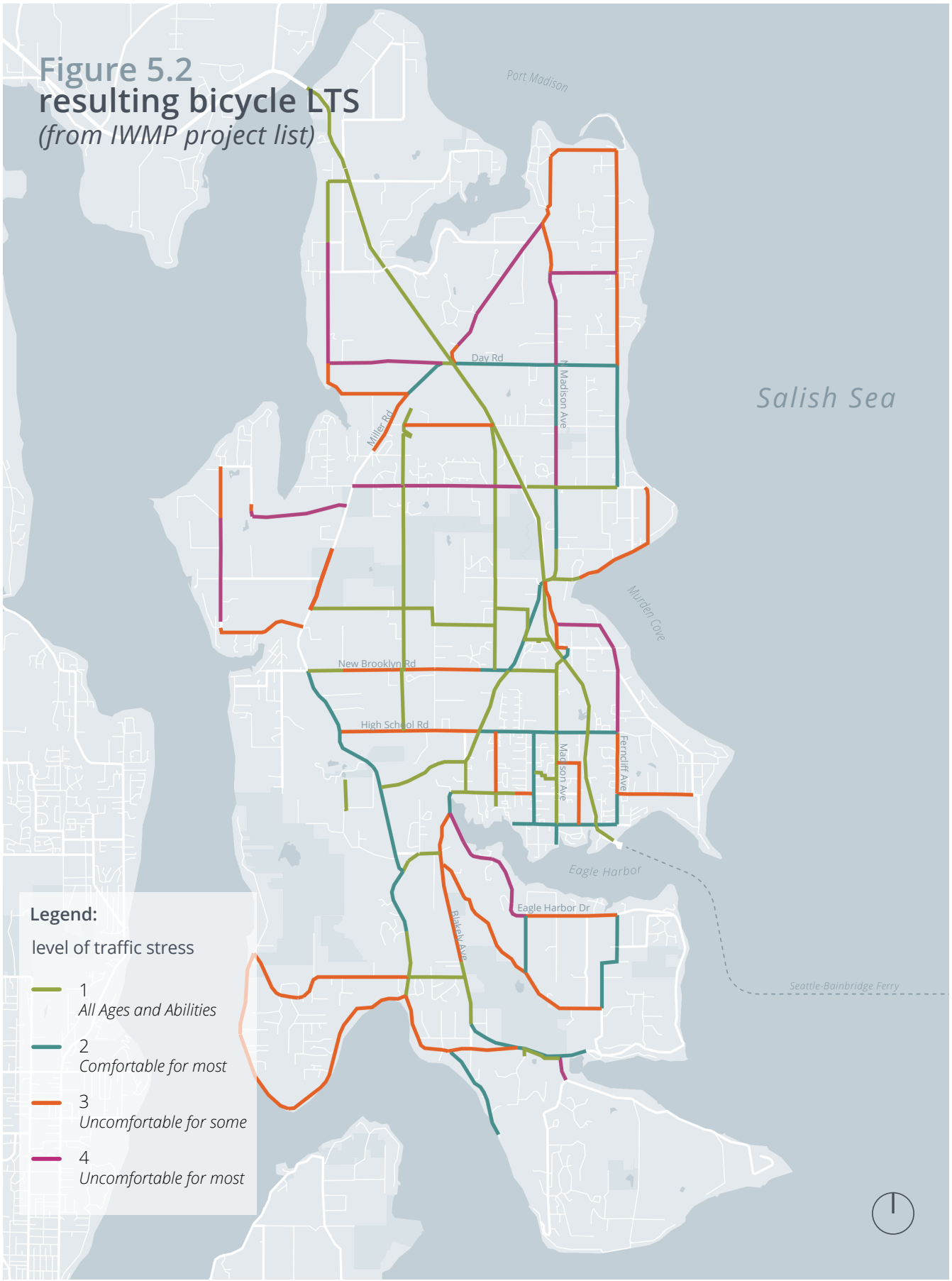
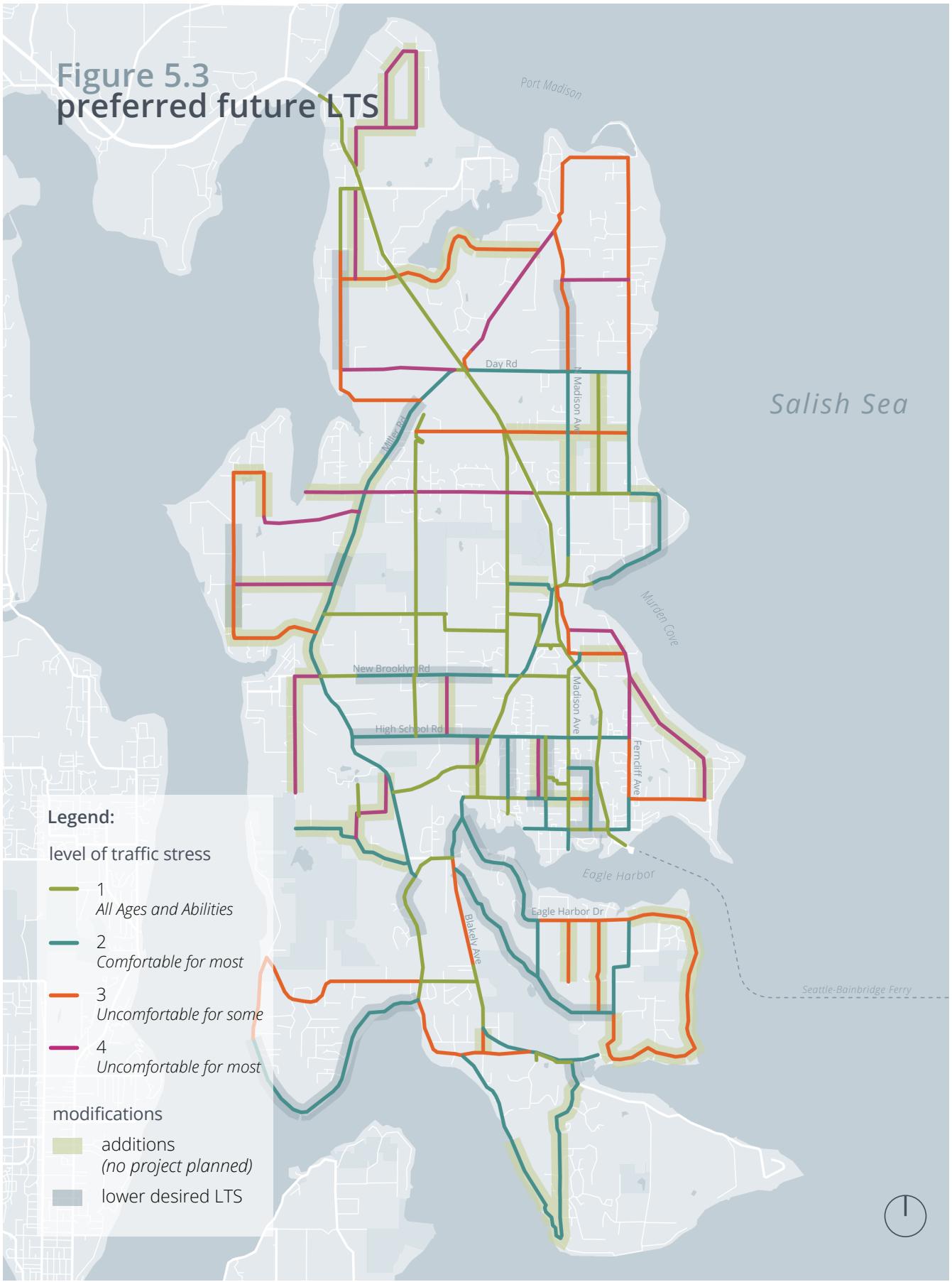
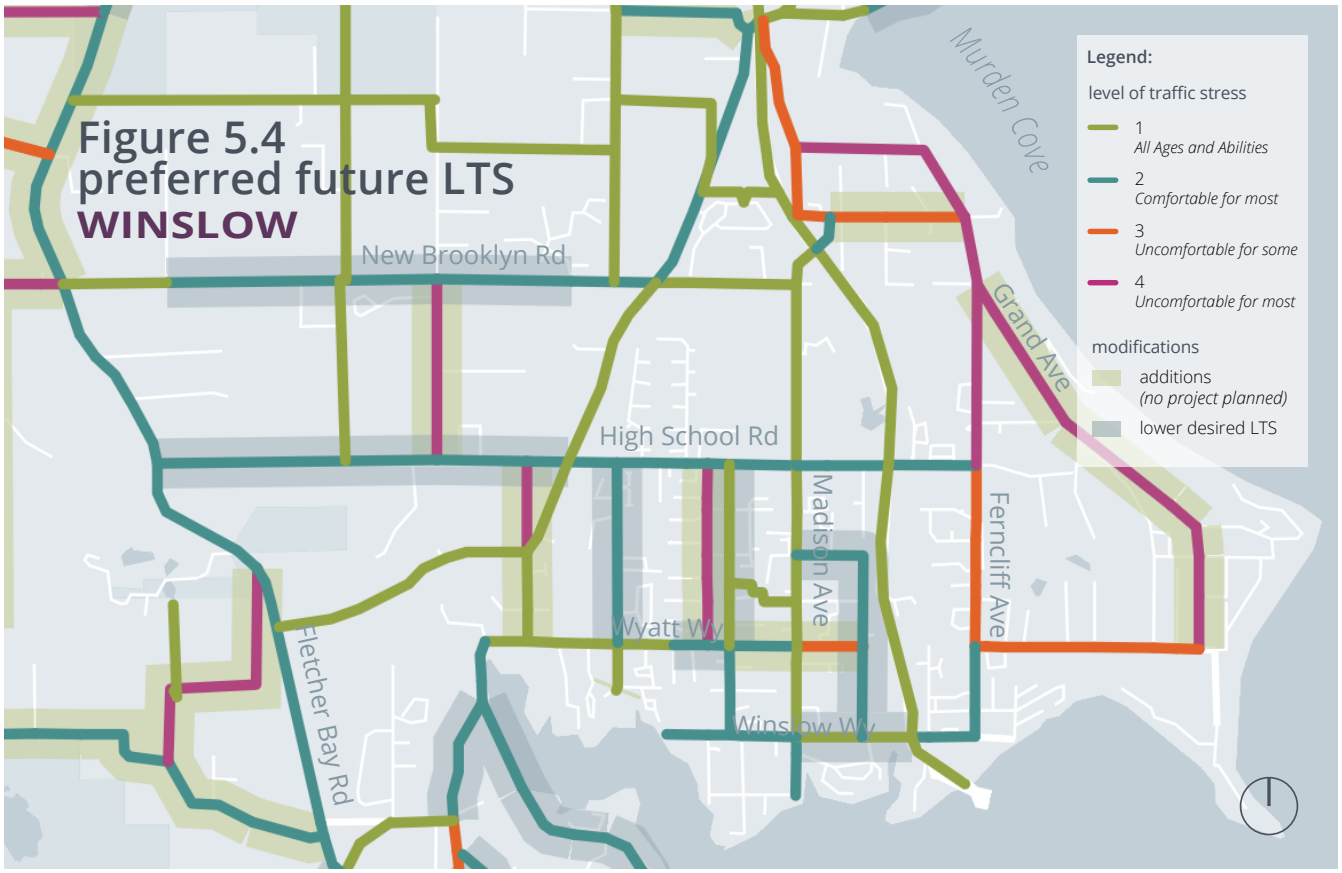


Figure 5.3
preferred future LTS





network and planned facilites will impact LTS results. The City aspires to create a core network of all ages and abilities facilities that connect the neighborhood centers to common destinations. To further build out this network, the City can work to expand and update the project list to meet desired LTS along each corridor. Awareness of the varying needs of people who bike can provide insight into the inclusivity of each bike route. Establishing multiple options for people who bike at any level of experience allows people to efficiently reach desired destinations while acknowledging it may take a long time and require significant resources to build an LTS 1 network across the entire community.

Intersection Stress

While Bainbridge Island's LTS framework focuses on linear treatments such as bike lanes and shoulders, the City recognizes that intersections are critical components of the biking experience and often represent the highest-stress points in a network. Intersection treatments address the specific challenges and stressors that bicyclists encounter at intersections, which is crucial to supporting the all-ages-and-abilities network that Bainbridge Island is striving for. Therefore, the City is actively considering the influence of intersection design on user experience and overall level of traffic stress. Treatments such as high-visibility crossings, parking prohibitions to improve sight distance, and refined right-turn lane interactions are being evaluated as key strategies to reduce conflict and improve safety. Table 5.3 displays recommended intersection treatments by bike facility type based on guidance from the Federal Highway Administration (FHWA) for Rural Multimodal Networks.

These measures help reduce the risk of conflict between bikes and vehicles and minimize the stress experienced by people who bike. By addressing the unique challenges at intersections into project designs, Bainbridge Island can foster a more seamless, low-stress, and inclusive network for people of all ages and abilities who bike.

Intersection design guidelines can be found in Chapter 4.

Desired LTS Network

In response to feedback received from our community partners and members of the public, City staff developed a desired LTS network map. This map is in addition to the resulting LTS map described in the preceding section. The desired LTS network used the resulting network as a base and incorporated additional corridors that currently do not have planned project. Corridors that were identified by the community as priority low-stress routes were assigned a lower desired LTS score based on the following criteria:

- **Low-Stress connectivity** routes that provide a connection between existing or proposed low-stress facilities
- **Proximity to parks and schools** routes that provide low-stress access to parks and schools
- **Traffic speeds and volumes** routes that are located on high speed or high volume corridors
- **Route alternatives** routes that do not have a low-stress alternative route

The map in Figure 5.3 indicates the desired LTS bicycle network. This map is provided as an aspirational vision for the Island's bicycle network and is not representative of current or future planned projects.

Pedestrian Level of Service

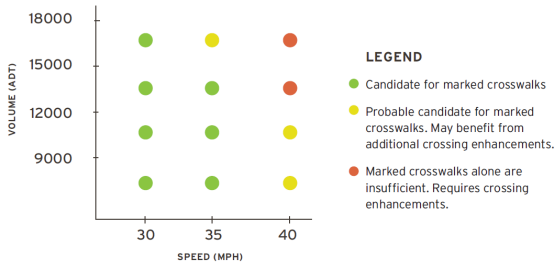
Pedestrian LOS standards and guidelines provide the fundamental expectations for physical space, modal separation, and street crossing amenities. These metrics are informed by the street characteristics as well as the neighborhood and land use context of a given street. Accordingly, pedestrian LOS standards typically involve design standards applied to each of the various pedestrian environments represented within the City.

Table 5.4 presents a new pedestrian LOS policy, which would apply minimum standards to all streets on Bainbridge Island. The current pedestrian network has not been compared against the proposed sidewalk policies. However, these policies can serve as a tool when considering frontage improvements and new projects as development occurs. Where existing conditions do not meet minimum requirements, the City aims to provide sidewalk/shoulder on at least one side of each roadway in the interim. Figure 5.4 maps the pedestrian level of service standards on all streets in the City. Utilizing a simplified approach to pedestrian LOS standards allows for flexibility in addressing critical concerns while deferring design-specific nuances to a future date when project details are identified.

Roadway Level of Service

As part of the Transportation Element update process, the City also developed new criteria to evaluate roadway LOS across Bainbridge Island. This includes changes to roadway LOS standards. The change in roadway LOS also reflects the City's goal of increasing the share of travel by active transportation modes and transit, and shifting more investments to these modes as opposed to adding vehicle capacity.

Table 5.3
FHWA recommended intersection treatments for rural roads

Facility Type	Suggested Treatments
Bicycle Boulevard	- Consider parking prohibitions of 20–50 ft in advance of intersections. - Design treatments at minor roadway intersections to offer priority for bicyclists over cross-street traffic (stops or yield signs should be oriented to favor the bicycle boulevard). - At major intersection crossings, refer to National Cooperative Highway Research Program's *NCHRP 562 Improving Pedestrian Safety at Unsignalized Crossings Appendix A*.
Advisory Shoulder	- At minor street crossings, use a dotted line extension on both sides of the advisory shoulder to maintain delineation of the advisory shoulder space. - If contrasting pavement material is used, maintain the material through driveway crossings and minor intersections. - Where the road is controlled by a stop sign or traffic signal, discontinue the advisory shoulder 50 ft (15 m) in advance of the intersection (at these locations, provide a bicycle accessible paved shoulder outside of the travel lanes or design for operation as a shared roadway).
Paved Shoulder	Either - Consider as an on-street bike lane (A right turn lane should be added to the right of the bike lane. Dotted line extensions should be used to define the tapered entrance into the right-turn lane, and signs should direct motorists to yield to bicyclists. - Configure as a separated bike lane or shared use path (Where a high degree of user comfort is desired, the shoulder may transition into a one-way separated bike lane or shared use path in advance of intersections. Once established, the separated facility may maintain separation up to the crossing. This increased separation provides an opportunity for motorists to slow in advance of the turn and yield to bicyclists.)
Bike Lane	- Under most conditions, bicyclists have priority over turning traffic. Markings and signs should support this priority and remind motorists of the obligation to yield. - Where special emphasis is desired, green pavement color may be used within bike lanes and at merging or weaving areas where motor vehicles may cross bike lanes.
Shared Use Path	- Implement either a marked crosswalk, median enhanced crosswalk, or active enhanced crosswalk depending on volume and speed conditions. 
Sidepath	The AASHTO Bike Guide 2012 lists a variety of design strategies for enhancing sidepath crossings including: - Reduce the frequency of driveways. - Design intersections to reduce driver speeds and heighten awareness of path users. - Encourage low speeds on pathway approaches. - Maintain visibility for all users. - Provide clear assignment of right-of-way with signs and markings and elevation change.
Separated Bike Lane	- Prohibit parking within 20ft of the intersection to improve visibility - Blend-In: Position bicyclists closer to turning vehicles to increase visibility prior to the turn. - Blend-Out: Provide space for right-turning vehicles to yield to bicyclists. - Mixed Zone: Shared turn lane with motor vehicles and bicyclists - Protected Signal Phase: Separate conflicting movements in time.

Source: Small Town and Rural Multimodal Networks, FHWA: https://www.fhwa.dot.gov/environment/bicycle_pedestrian/publications/small_towns

This plan updates the City's roadway LOS standards to simplify the LOS evaluation process. The update sets LOS C as the standard for intersections outside the Winslow Subarea, except for intersections along SR 305. WSDOT sets the LOS standard for state-controlled facilities, so SR 305 intersections will continue to have a LOS D standard. Within the Winslow Subarea, LOS E is the updated roadway LOS standard. This change acknowledges that greater vehicle delay is expected in the Winslow Subarea compared to the rest of the City.

The future 2044 PM peak hour intersection level of service and delay are included in Table 5.5 and mapped in Figure 5.5. Under the preferred alternative 2044 conditions, only two intersections fall below the City's level of service standards (shown in bold in Table 5.5).

Transit Network Performance Measures

Kitsap Transit and Washington State Ferries provide transit service to Bainbridge Island. Although the City of Bainbridge Island is not directly responsible for maintaining transit service, the transit LOS standard can be met by coordinating and supporting the work of local transit agencies as well as tracking roadway LOS measures to track transit performance, speed, and reliability. Measuring and tracking roadway LOS can support transit performance: transit service on Bainbridge Island relies heavily on

Table 5.4
pedestrian level of service (LOS)

Corridor Types	Treatment Type	Side of Street	Minimum Width[1]	Amenity Zone[2]
Neighborhood Centers	Sidewalk	Both Sides	6 ft	4 ft
Local Access Street (suburban)	Shoulder	Both Sides	6 ft	None
Local Access Street (urban)	Sidewalk	Both Sides	5 ft	None
Suburban Collector	Shoulder	Both Sides	6 ft	None
Urban Collector	Sidewalk	Both Sides	5 ft	None
Secondary Arterial (<30mph)	Sidewalk or Shoulder	Both Sides	6 ft	None
Secondary Arterial (≥30mph)	Sidewalk or Shoulder	Both Sides	8 ft	None
SR-305	Sidewalk or Asphalt Path	One Side	12 ft	6 ft

Notes:
[1] The minimum sidewalk width refers to the pedestrian through zone, which serves as an accessible pathway, clear of obstacles.
[2] The amenity zone provides additional space for pedestrians and/or serves as a buffer from vehicle traffic, separate from the minimum sidewalk width. This space may include street furniture, landscaping, or trees.
Source: City of Bainbridge Island, Fehr & Peers, 2024.

Figure 5.5
pedestrian LOS

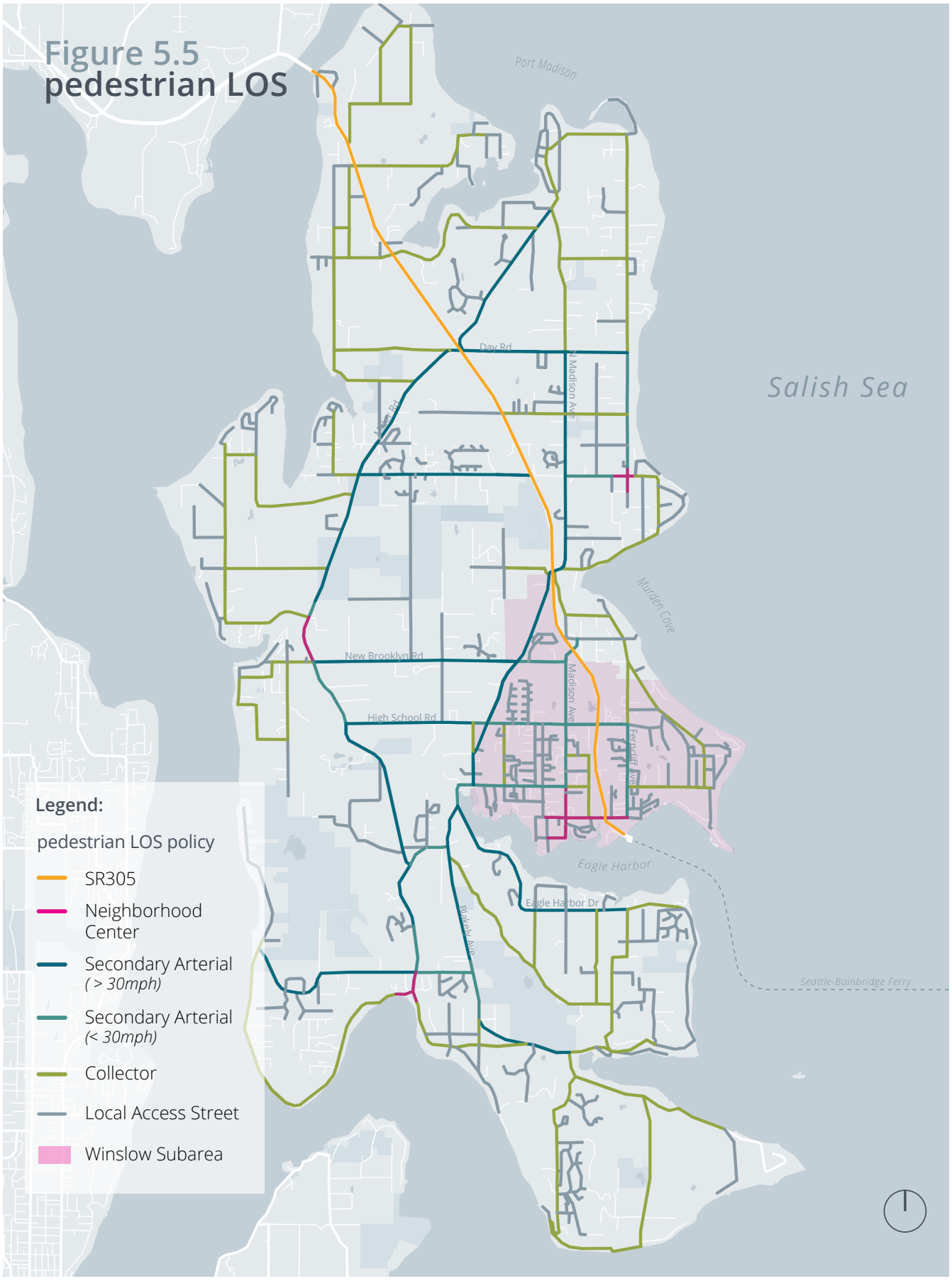
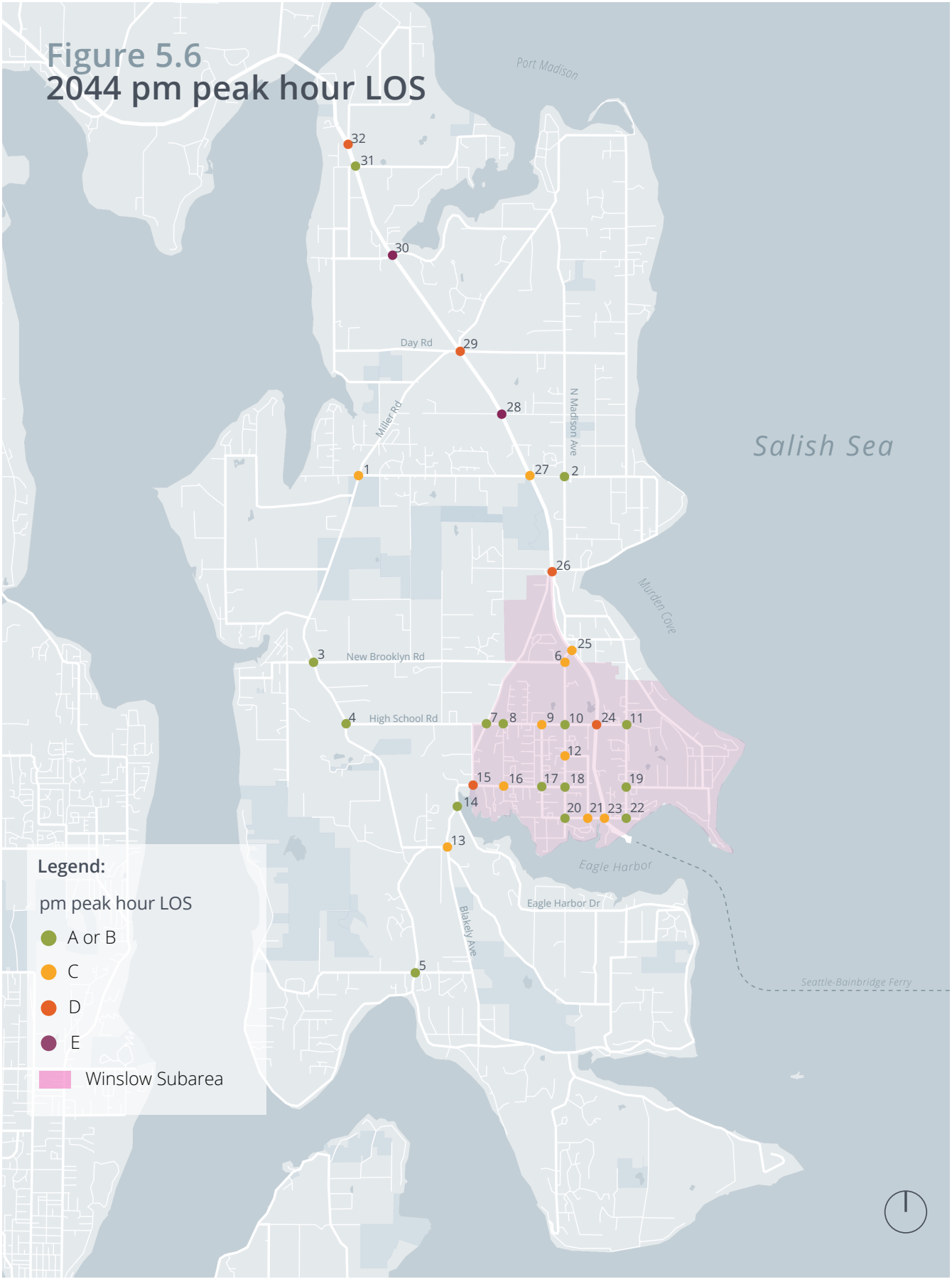


Table 5.5
future 2044 pm peak hour level of service results

ID	Intersection Name	LOS Standard	2044 LOS	2044 Delay (seconds)
1	Miller Rd NE & NE Koura Rd	C	C	17
2	Madison Ave & Valley Rd	C	B	12
3	Fletcher Bay Rd NE/Miller Rd & New Brooklyn Rd	C	B	12
4	Fletcher Bay Rd NE & High School Rd NW	C	B	12
5	Lynwood Center Rd & NE Baker Hill Rd	C	B	13
6	Madison Ave N & New Brooklyn Rd	C	C	19
7	Sportsman Club Rd & High School Rd NW	E	B	14
8	Weaver Rd NE & High School Rd NW	E	B	13
9	Grow Ave NW & High School Rd NW	E	C	15
10	Madison Ave N & High School Rd NW	E	B	14
11	Ferncliff Ave NE & High School Rd NE	E	A	10
12	Madison Ave N & Wallace Way NE	E	C	19
13	Bucklin Hill Rd NE & Blakely Ave NE	C	C	19
14	Bucklin Hill Rd & Eagle Harbor Dr	C	B	13
15	Wyatt Way NW & Finch Rd NE	E	D	29
16	Weaver Rd NE & Wyatt Way NW	E	C	17
17	Grow Ave NW & Wyatt Way NW/Wyatt Way NE	E	B	13
18	Madison Ave N & Wyatt Way NE	E	A	7
19	Ferncliff Ave NE & NE Wing Point Way	E	B	11
20	Madison Ave N & Winslow Way E	E	B	14
21	Winslow Way E & Ericksen Ave NE	E	C	17
22	Ferncliff Ave NE & Winslow Way E	E	A	9
23	SR 305 & Winslow Way E	D	C	25
24	SR 305 & High School Rd NE	D	D	48
25	SR 305 & Madison Ave N	D	C	32
26	SR 305 & Sportsman Club Rd/Madison Ave	D	D	54
27	SR 305 & NE Koura Rd	D	C	21
28	**SR 305 & NE Lovgreen Rd**	D	**E**	**39**
29	SR 305 & Day Rd	D	D	39
30	**SR 305 & NE Hidden Cove Rd**	D	**E**	**48**
31	SR 305 & Ne Seabold Rd/W Port Madison Rd	D	B	18
32	SR 305 & Agatewood Rd NE	D	D	26

Source: Fehr & Peers, 2024.

Figure 5.6
2044 pm peak hour LOS



roadways. In the case of transit, however, it may be desirable to optimize the roadway LOS in the direction of transit travel to reduce transit delays, even if the overall intersection does not perform as well. This type of consideration will be made on a case-by-case basis as Bainbridge Island coordinates with Kitsap Transit.

5.3 Concurrency Program

With Bainbridge Island clearly identifying LOS standards for pedestrian and bicycle LOS in addition to the updating the roadway LOS standards, the City can better identify areas that are not meeting the desired MMLOS standards and develop a plan to address gaps in the system.

By defining a full suite of MMLOS standards, Bainbridge Island will find that many facilities will not meet the LOS standard for a given mode, which is particularly true for pedestrian and bicycle LOS. The STP goes a long way toward identifying facilities that will improve pedestrian and bicycle LOS, but it will take time, funding, and participation from private developers to meet the MMLOS standards identified in this document.

As Bainbridge Island strives to update its MMLOS standards, the transportation concurrency standard required by the Growth Management Act must be updated to reflect this new multimodal perspective. Prior to this plan, transportation concurrency only focused on roadway LOS and it was possible, although financially challenging at times, to ensure there were no facilities that did not meet the roadway LOS standard. Under the new transportation concurrency standard, the City will make progress on implementing the projects identified in the Transportation Element concurrent with planned growth in Bainbridge Island. Failing to meet a mode-specific LOS standard will not constitute a concurrency violation since the City will need to balance financial resources to implement a multimodal system and address LOS gaps across all modes and the entire city.

The simplest way to understand the new multimodal concurrency system is through the following example:

> Let's say that Bainbridge Island commits to build five projects identified in the Plan and that these five projects constitute 20% of the City's needed capital investment to meet growth demand. In that case, the City can issue permits for up to 20% of all the planned growth anticipated in the Comprehensive Plan.

With the updated multimodal concurrency program, so long as the transportation investments (as measured by the proportion of planned future investments) stay ahead of allowed growth (measured as the proportion of all growth anticipated in the Comprehensive Plan), the City meets its concurrency requirements.

More information about the updated concurrency program can be found in Appendix G.

6 IMPLEMENTATION

IMPLEMENTATION

The efficient implementation of this plan requires a combination of carefully and intentionally selected projects, robust funding sources, and a strong network of community support.

The successful realization of the goals and objectives outlined in this plan relies on a clear and concise implementation strategy. This final chapter of the Island-Wide Mobility Plan establishes a framework for project selection and prioritization as well as identifies funding sources and financing strategies for completing projects and developing new sustainable transportation programs. This framework is intended to provide decision-making guidance to City staff and City Council which will improve consistency in plan implementation.

Partnerships with local, regional, and state organizations and agencies will support the implementation of the IWMP. This chapter describes how the City of Bainbridge Island is currently engaged in coordination efforts and presents opportunities for expanding and strengthening partnerships.

6.1 Project Selection + Prioritization

Projects and programs recommended in this plan should be reflective of the goals and objectives stated in the plan. To ensure that projects align with the goals of the plan, project selection and prioritization criteria can be used to assess project and program proposals. A well-defined project prioritization methodology provides a structured framework to evaluate, rank, and select projects based on their alignment with City goals and objectives. The following project prioritization methodology was created through thoughtful collaboration with community partners, see Appendix H for a diagram of the methodology.

Methodology Development

The project prioritization methodology described in the sections below was developed through an iterative and collaborative process. City staff engaged key partners and stakeholder groups to create a list of variables and scoring values that align with adopted City goals. These variables and scoring values were fine-tuned through a series of feedback sessions. Multiple iterations of the prioritization methodology were tested using a small sample of existing projects to understand how the methodology functioned.

Prioritization Variables

The project prioritization methodology used in this plan collects data from a variety of sources and measures project proposals against a diverse set of variables. Variables are assigned scores between -5 – 10 points. Negative points were intentionally included to deprioritize projects that do not advance City goals. The variables used in the methodology are broken down into five categories and each variable is weighted based on staff expertise and comments and feedback received from community partners. The sum of each category's variable weights are indicated.

Access *40% of Score*

Access to key destinations improves the convenience and desirability of the multimodal network which may encourage more people to choose a sustainable transportation mode. Projects are evaluated for their capacity to serve a variety of destinations including employment centers, schools, recreation opportunities, transit services, and neighborhood centers. In addition, this scoring category also considers network connectivity. Access variables describe the relationship between land use and transportation which is critical to creating a multimodal network that supports the needs of the community.

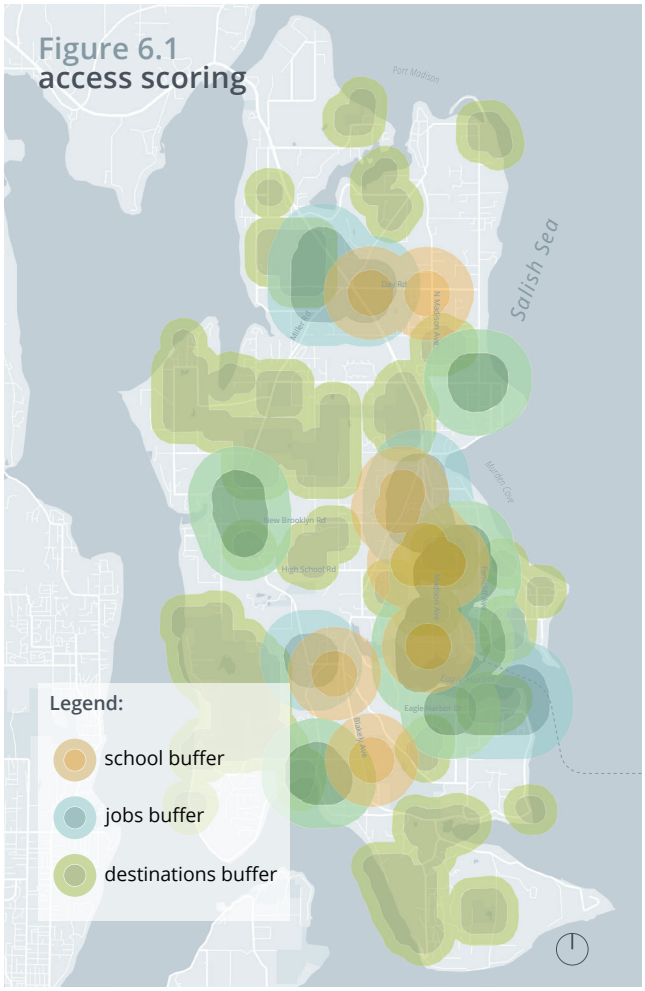


Figure 6.1 shows a selection of the access variables used to determine each project's access score. For this analysis buffers of either 1/8, 1/4, or 1/2 mile were placed around access destinations. Layering the buffers as shown in the map allows us to understand where key destinations overlap.

* neighborhood center boundaries based on 2017 Winslow Subarea Plan

Variables + Scoring

Education Access (.1)
Projects are assessed on their proximity to schools.

0 points	> 1/2 mile from school
5 points	< 1/2 mile from school
10 points	< 1/4 mile from school

Jobs Access (.05)
Projects are assessed on their proximity to employment areas.

0 points	> 1/2 mile from job center
5 points	< 1/2 mile from job center
10 points	< 1/4 mile from job center

Destinations Access (.1)
Projects are assessed on their proximity to parks and neighborhood centers*.

0 points	> 1/2 mile from destinations
5 points	< 1/2 mile from destinations
10 points	< 1/4 mile from destinations

Transit Access (.05)
Projects are assessed on their proximity to transit routes and stops.

0 points	> 1/4 mile from transit
5 points	< 1/4 mile from transit
10 points	< 1/8 mile from transit

System Connectedness (.1)
Projects are assessed for their ability to improve network connectivity.

0 points	no connectivity improvement
5 points	extends existing facility
10 points	completes network gap

Safety *25% of Score*

Actual and perceived safety of roadways plays a large role in whether or not a person decides to walk or bike to their destination. High-stress environments, such as roads with fast-moving traffic, discourage walking and bicycling due to fear of accidents with vehicles. Each proposed project is scored on three safety criteria: bicycle and pedestrian level of stress, accident history, and traffic speeds. These criteria indicate the likelihood of a severe crash and describe the experience of using the facility as an active transportation user.

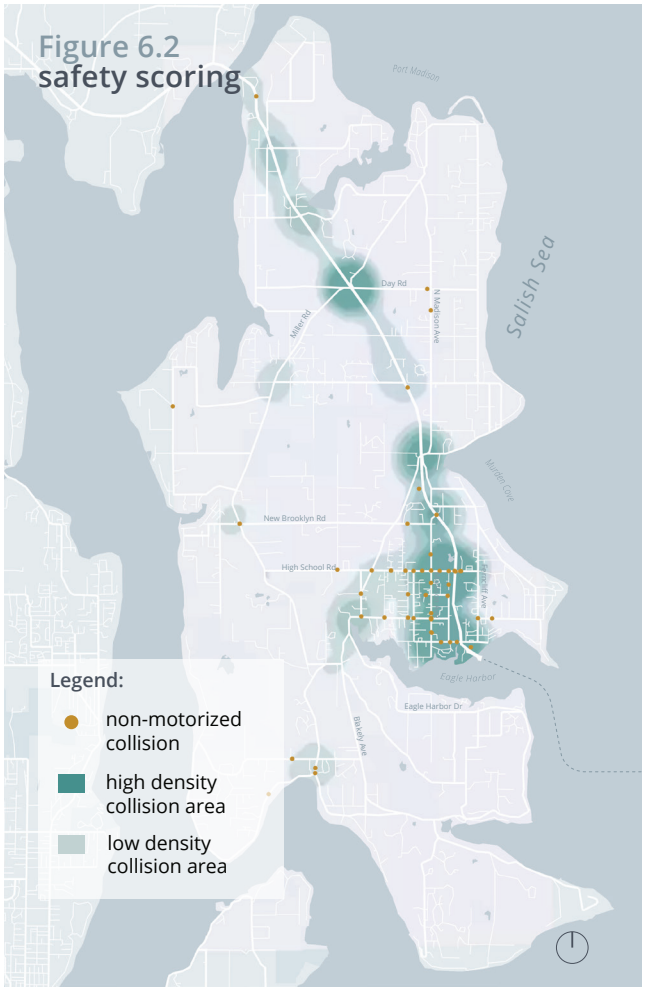


Figure 6.2 shows the location of high and low density collision areas as well as the location of collisions involving bicyclists and pedestrians (2019-2024). This data indicates that most traffic collisions on the Island occur in close proximity to Winslow and the SR305 corridor. Projects that are located in high density collision areas (dark teal on map) receive 10 points.

Variables + Scoring

Level of Traffic Stress (.1)
LTS scores based on road speed and proposed facility type were calculated for each project. LTS describes the user experience of a facility and assesses the perceived safety of a facility. Full LTS tables and descriptions are included in Chapter 5.

-5 points	**LTS 3 or higher**
5 points	**LTS 2**
10 points	**LTS 1**

High Speed Roads (.1)
Higher traffic speeds increase the likelihood of serious injury for both motorists and non-motorists. The City should prioritize projects that improve safety conditions on high speeds roads.

0 points	**low speed road**
5 points	**high speed road**

Accident History (.05)
Previous collision history is an indicator of high traffic volumes and/or sub-optimal road design (sight distance, lane markings, etc.) that may contribute to traffic collisions. Investments should be made in areas with known safety deficits.

0 points	**no collision history**
5 points	**low density collision area**
10 points	**high density collision area**

Climate + Sustainability *20% of Score*

Reducing vehicle miles traveled through the increased adoption of sustainable transportation options is a critical piece of the City's climate action strategy. Proposed projects will be evaluated for the inclusion of incentivization or encouragement strategies that reduce reliance on single occupancy vehicles. In addition, projects will be evaluated for their greenhouse gas emission reduction capacity by measuring how many residents live within a half mile of the project location.

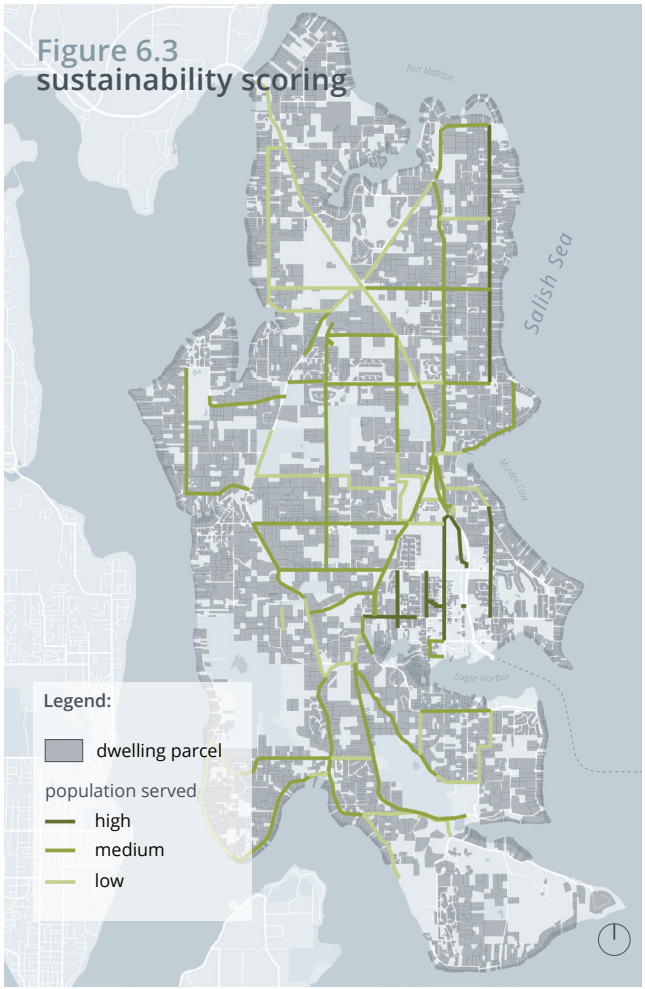


Figure 6.3 indicates how large of a population each project serves. Projects shown in dark green on the map receive the most points for GHG emissions reductions potential.

Variables + Scoring

Behavior Change (.1)
Projects are evaluated for their capacity to encourage mode shift. Projects that provide incentives and increase the availability of sustainable transportation options will be prioritized over projects that do not encourage behavior change.

0 points	no mode shift incentives or increase in the availability of sustainable transportation options
5 points	increases availability of options but does not provide incentives
10 points	increases availability of options and provides incentives

Greenhouse Gas Emissions Reduction Potential (.1)
To approximate a project's capacity to reduce GHG emissions, staff performed a population density analysis. This analysis involved counting the number of parcels with dwelling units within a one-half mile radius of each project then multiplying that number by the average Bainbridge Island household size to produce a population estimate.

-5 points	low population served <1000
5 points	medium population served <1800
10 points	high population served >1800

Equity *15% of Score*

To assess the equity impact of each proposed project and program, this methodology uses a social vulnerability index (SVI). This index compiles a variety of demographic variables including race, income, age, disability, education, and housing characteristics. These variables are measured and ranked for each census block group on Bainbridge Island and combined to create a composite social vulnerability score for each block group. This method allows staff to understand where more vulnerable residents are located and where transportation projects may have the biggest social impact.

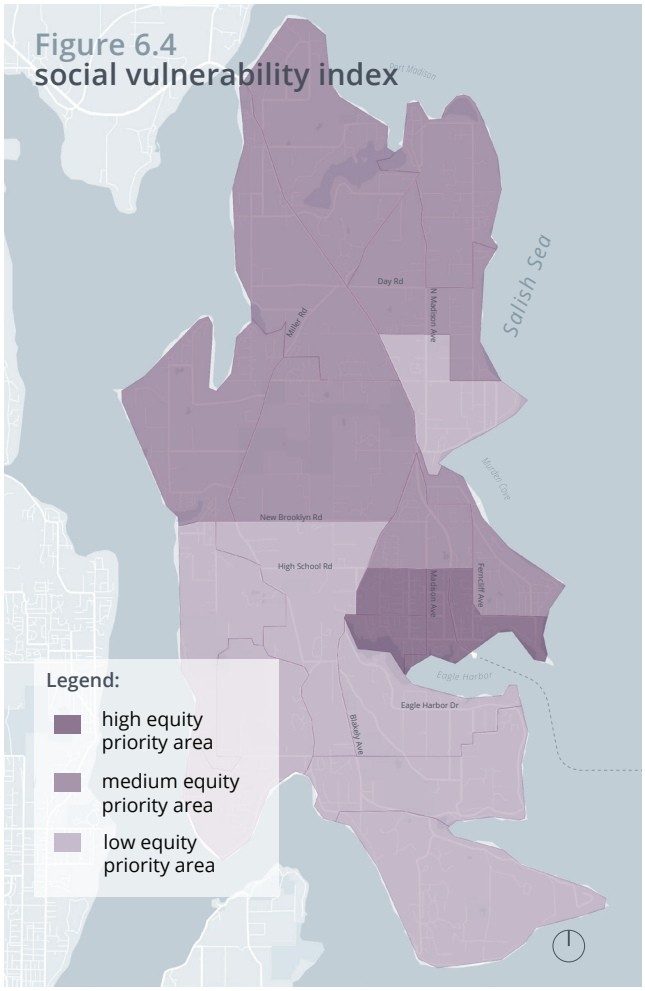


Figure 6.4 shows the social vulnerability of each census block group on Bainbridge Island. This analysis combines several tract level demographic variables with parcel-level housing variables to create a nuanced understanding of vulnerability on the Island. Projects in high equity priority areas (dark purple on map) receive 10 points.

Variables + Scoring

To create the social vulnerability index, each census block group on Bainbridge Island was ranked on the following variables:

- % Population below poverty
- % Population unemployed
- Median household income
- % Population 65 or older living alone
- % Population with a disability
- % Population single parents
- % Population speaks English less than well
- % Population under 16 years
- % Population no college degree
- % Households rent burdened
- % Households no vehicle
- % Households no internet
- % Households crowded
- % Households mobile home

These rankings were added to create a composite SVI score for each block group. Projects are scored based on if they are in a high, medium, or low equity priority area. If a project spans across multiple equity priority areas, it is scored based on the highest priority area.

Social Vulnerability Index (.15)

-5 points	**low equity priority area**
5 points	**medium equity priority area**
10 points	**high equity priority area**

Fine Tuning Variables

In addition to the prioritization scoring variables, the project prioritization methodology includes a set of fine-tuning variables. These variables were developed to provide additional flexibility in project prioritization. These variables allow staff to "normalize" results based on known existing and future conditions that may not be fully captured by the variables included in the prioritization scoring. These variables do not contribute to the overall score of each project, however, they can influence a project's overall priority level.

Funding Availability

Projects with known funding availability, including grant funding, may be prioritized over projects that do not have an identified funding source. Especially costly transportation projects may be prioritized less due to the opportunity cost associated with the project. Projects that are likely to be competitive for state and federal grants may be prioritized more.

Community Feedback

Projects with high levels of community support may be prioritized over projects that lack broad community support. Community support is determined through feedback sessions held with members of the public and key partners.

Connecting Centers

Projects that are included in the connecting centers scenario are not included in prioritization scoring. All connecting centers projects will be prioritized for near-term implementation in alignment with Council direction. In 2022 City Council adopted the Connecting Centers Scenario and directed staff to pursue its implementation.

Methodology Workflow

The methodology's variables and their associated weighting were informed by adopted City goals and feedback received from key partners and stakeholders. The project list was created using existing proposed projects included in the Island-Wide Transportation Plan and the Sustainable Transportation Plan. Where project areas overlapped between these two plans, the design proposed in the more recently adopted Sustainable Transportation Plan was favored. The draft prioritized project list was shared with key partners and members of the public and was further refined based on feedback received from those engagement processes.

Each project on the proposed project list was run through the prioritization methodology and a score was assigned to each project. Project scores were visualized in a histogram chart to analyze the distribution of scores. High, medium, and low-priority categories were created based on this distribution, and projects were sorted into these prioritization categories based on their score.

The results of the prioritization were analyzed by staff and key partners and the fine-tuning variables were used to shift projects into a higher or lower prioritization category where appropriate.

6.2 Project + Program List

The proposed projects and programs shown in the tables on pages 70-73. Projects and programs are listed in priority order and categorized by project type. Figure 6.5 shows a map of proposed projects and their priority level.

Figure 6.5
project prioritization

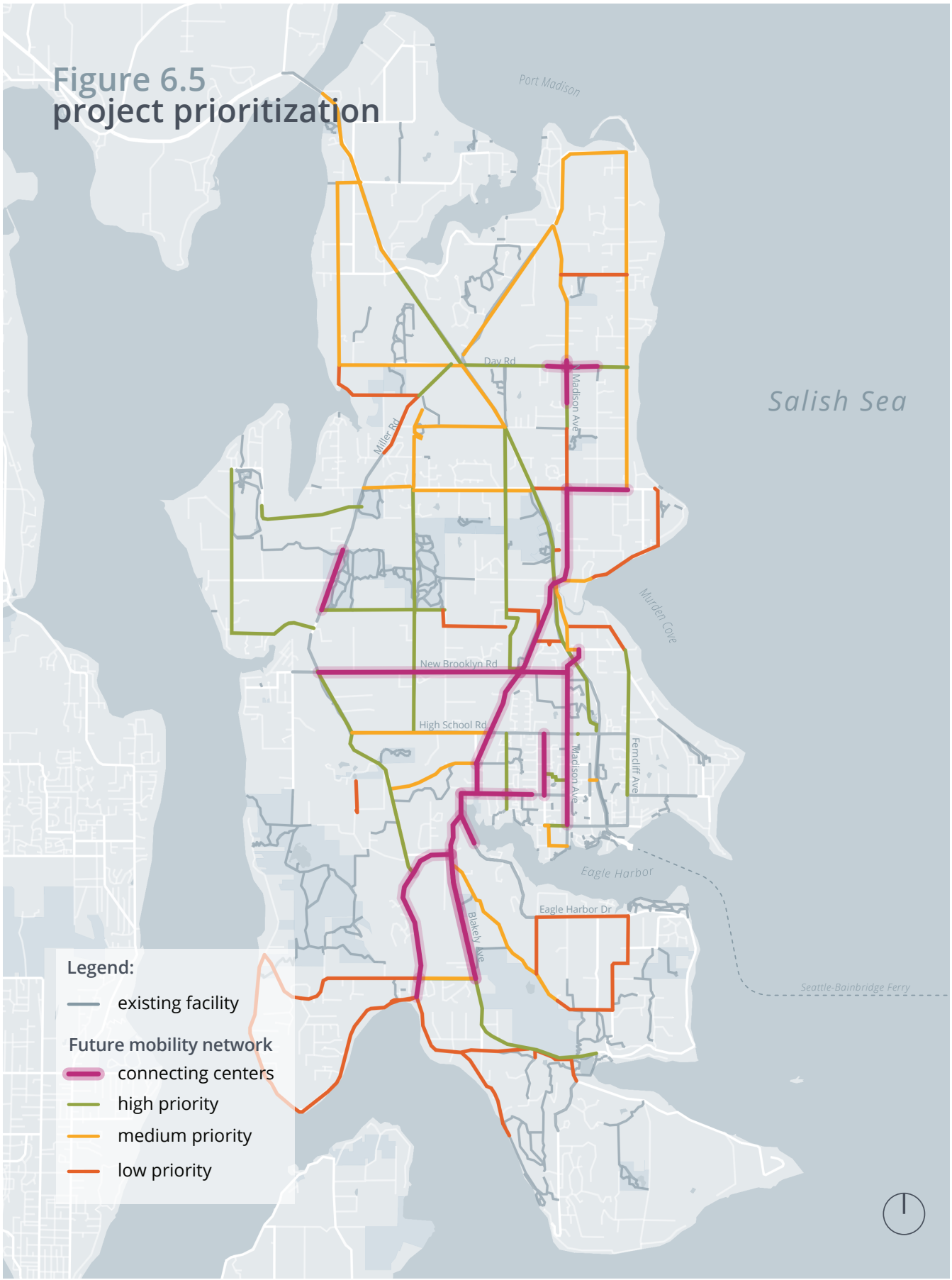


Table 6.1
connecting centers projects

	Connecting Centers Projects			
Project Name	Project Extents	Project Description	Resulting LTS	
Pt. White Drive	Pleasant Beach to Crystal Springs	Traffic calming	3 or 4	traffic calming
Manitou Beach	Loop to Falk	Traffic Calming, advisory shoulders/greenway	3 or 4	
Miller	Tolo to Grand Forest	Traffic calming islands and crossing enhancements @ Forest to Sky Trail	3 or 4	
Winslow Way	Grow to Wood	sidewalks, intersection improvements	1	sidewalks
Bucklin Hill Road	Eagle Harbor to Blakely	separated bike lanes both sides	1	separated bike lanes
Eagle Harbor Phase 1	Adams to Finch	separated bike lanes both sides	3	
Finch Rd	Wyatt to Sportsman	separated bike lanes both sides	1	
Lynwood Center Rd	Pt White to Fletcher	separated bike lanes both sides	2	
N. Madison Ave	305 to Valley	separated bike lane	2	
New Brooklyn Rd	Fletcher to Sportsman	separated bike lanes both sides	1	
Sportsman Club Rd	New Brooklyn to 305	Vertically separated bike lanes, 6'-wide northbound and both sides north of Sakai	2	
Wyatt Way	Finch to Weaver	separated bike lanes both sides	1	
Valley Rd	Madison to Sunrise	Vertically separated bike lanes, 6'-wide both sides	1	
Bucklin Hill Road - Hyla Path	Fletcher to Blakely	vertically separated side paths	1	separated paths
New Brooklyn Rd	Sportsman to Madison	Widen existing side path for bi-directional travel	1	
Sportsman Club Rd	Finch to High School	Widen exist. side path for bi-directional travel; intersection improvements	1	
Sportsman Club Rd	High School to New Brooklyn	Widen existing side path for bi-directional travel; southbound visual separation	1	

Table 6.2
high priority projects

		High Priority Projects		
Project Name	Project Extents	Project Description	Resulting LTS	
Ferncliff	Wing Pt. to Yaquina	traffic calming	3 or 4	traffic calming
Shepard Way Greenway	Grow to Weaver	greenway	1	
Weaver	High School to Shepard	greenway	3 or 4	
Winslow Way	Grow to Madison	greenway	1	
Battle Pt.	Miller to B.P. Park	Traffic calming on stretch adjacent to B.P. Park	3 or 4	
Arrow Point Dr	BP Park to Miller	traffic calming	3 or 4	
Bus Stop Improvements	Island wide	bus stop improvements including shelters and other amenities	n/a	mobility
Ferry Terminal Mobility Hub	Ferry Terminal	see mobility hub description pg. 41	n/a	
Island-wide/Winslow Shuttle	tbd	electric shuttle providing evening/weekend transit service in Winslow and/or Island-wide	n/a	
			n/a	crossing improvement
High School Rd Crossing	High School Rd	midblock crossing on High School Rd between Madison Ave and SR305	n/a	
Baker Hill Rd	Lynwood to Blakely	complete sidewalk gap between Lynwood Rd and Blakely Elementary	1	sidewalks
Wyatt Way	Weaver to Finch	sidewalks	1	
Fletcher	Isl. Ctr.Rd. to New Brook.	8' wide vertically separated path southbound	1	separated bike lanes
Fletcher	Lynwood to Isl. Ctr. Rd.	8' wide vertically separated path southbound	1	
Blakely Ave	Baker Hill Rd to Blakely Harbor	8' wide vertically separated path northbound	2	
Day	SR305 to Sunrise Dr	8' wide vertically separated path eastbound, traffic calming east from Madison	2	
Madison	Winther Rd to Day Rd	8' wide vertically separated path northbound; traffic calming	2	
Miller	Bergman Rd to SR305	6' wide vertically separated bike lanes both sides	2	
STO - Day to Hidden Cove	Day Rd to Hidden Cove Rd	10' separated paved trail	1	separated paths
STO - High School to Madison	High School Rd to Madison Ave	10' separated paved trail	1	
STO - Koura to Lovegreen	Koura Rd to Lovegreen Rd	10' separated paved trail	1	
STO - Madison to Sportsman	Madison Ave to Sportsman Club Rd	10' separated paved trail	1	
STO - Sportsman to Koura	Sportsman Club Rd to Koura Rd	10' separated paved trail	1	
Wyatt Wy Sidepath	Weaver to Ashbury Ct	Infill sidepath north side; Weaver intersection improvements	1	
Knechtel Trail Connector	Knechtel to Fir Acres	new trail connection	1	trails
Mandus Olson Trail	Koura to Bergman	off-road path connecting Koura to Bergman via Yukio Ln and Minnie Rose Lane	1	
Wardwell	Wardwell to Lovgreen	8' off-road gravel path	1	
Wardwell	New Brooklyn to Wardwell	8' off-road gravel path	1	

Table 6.3
medium priority projects

		Medium Priority Projects		
Project Name	Project Extents	Project Description	Resulting LTS	
Blakely	Bucklin to School zone	traffic calming	3 or 4	traffic calming/ greenways
Day	Manzanita to Miller	Traffic calming	3 or 4	
Day	school zone	traffic calming	3 or 4	
Koura	Miller to Mandus	Traffic calming	3 or 4	
Lovegreen	305 to new trail	greenway	3 or 4	
Manzanita	Day to Pt. Madison	Traffic calming; greenway	3 or 4	
Old Mill Rd	Blakely to Island Wood Trail	Traffic calming; greenway	3 or 4	
Sunrise	Valley to Lafayette	Traffic calming; gravel shoulder enhancement	3 or 4	
Yaquina	Madison to Ferncliff	Traffic calming	3 or 4	
Coppertop Mobility Hub	Coppertop/Sportsman Club Mobility Hub	see mobility hub description pg. 41	n/a	mobility
Day Rd Park and Ride Improvement	Day Rd and SR305	EV charging stations, bike racks, etc	n/a	
E-vehicle share/subsidy	island wide	EV/e-bike	n/a	
Safe Routes Program	island wide	safe routes program for children and seniors	n/a	
Koura Rd	Valley Rd to Koura Rd	SR305 crossing	3 or 4	crossing improvement
Knechtel Trail Connector	Vineyard Ln to Knechtel Trail	grade separated crossing over SR305	1	
Winslow Way	Grow to Wood	sidewalks, intersection improvements	1	sidewalks
Wood Ave	Parfitt to Winslow Way	sidewalks	1	
Lafayette Rd	Sunrise to Phelps	paved shoulders 2 sides	3 or 4	shoulders/ bike lanes
Moran Rd	Yaquina to Madison	improved shoulder northbound side	3 or 4	
N Madison Ave	Day to Phelps	paved shoulders 2 sides	3 or 4	
Phelps Rd	Day to Madison	paved shoulders 2 sides	3 or 4	
Baker Hill Rd	Lynwood to Blakely	8'-wide vertically separated path eastbound	1	separated bike lanes
Blakely	Baker to Bucklin	8'-wide vertically separated path southbound	3 or 4	
Day Rd	Miller to SR305	separated bike lanes	3 or4	
High School	Fletcher to Sportsman	Visual separation of existing facilities both sides	2	
Manitou	305 to Loop	eastbound separated side path	1	separated paths
STO - Hidden Cove to Port Madison	Hidden Cove to Port Madison	10' separated paved trail	1	
STO - Lovegreen to Day	Lovegreen to Day	10' separated paved trail	1	
STO - Pt. Madison to Agate Pass	Port Madison to Agate Pass Bridge	10' separated paved trail	1	

Table 6.4
low priority projects

		Low Priority Projects		
Project Name	Project Extents	Project Description	Resulting LTS	
Koura	Mandus to 305	Traffic calming	3 or 4	traffic calming/ greenways
Lofgren Rd	Yaquina to Moran	Traffic calming	3 or 4	
Madison	Valley to Winther	Traffic calming	3 or 4	
Old Mill Rd	Briar Rose Ln to Taylor Ave	greenway	3 or 4	
Pl. Beach	Oddfellows to Ft. Ward Park	greenway; traffic calming	3 or 4	
Pl. Beach	Oddfellows to Pt. White	Traffic calming; advisory shoulder striping	3 or 4	
Torvanger	Sunrise to Madison	greenway	3 or 4	
Valley	madison to 305	gravel shoulder	3 or 4	
Lynwood Center Mobility Hub	Lynwood Center Neighborhood Center	see mobility hub description pg. 41	n/a	mobility
Pt. White Dr	Lynwood Center Rd to Schel Chelb Park	sidewalks	1	sidewalks
Eagle Harbor Dr	McDonald to Pritchard Park	paved shoulders both sides	3 or 4	shoulders/ bike lanes
Madison Ave	SR305 to Yaquina	paved shoulders both sides	3 or 4	
McDonald Rd	Eagle Harbor to Old Mill	paved shoulders both sides	3 or 4	
Miller Rd	Peterson Hill to Day	paved shoulders both sides	3 or 4	
Oddfellows Rd	Pleasant Beach to Blakely	paved shoulders both sides	3 or 4	
Taylor Ave	Eagle Harbor to Old Mill	paved shoulders both sides	3 or 4	
Grand Forest Connector	Miller to Sands Ave	new trail connection	1	trails
Middle Schools	STO to Sportsman club to Bucsit	trail	1	
Gravel shoulder program	Island-wide	new program to expand the availability of gravel shoulders	n/a	programs
Sound to Olympics - Planning South	n/a	planning for Sound to Olympics Trail - south of Koura Rd	n/a	
Sound to Olympics Grant Match	n/a	Grant match for current and future grants supporting the development of the STO	n/a	
Sound to Olympics/305 Advocacy	n/a	advocacy at regional, state, and federal levels for future funding	n/a	
STO Planning - North	n/a	planning for Sound to Olympics Trail - north of Koura Rd	n/a	
Transportation Committee	n/a	create new sustainable transportation committee to assist with implementation	n/a	

6.3 Funding

The City of Bainbridge Island uses a variety of funding resources for the design, right-of-way procurement, and construction of transportation facilities. Local funds, developer fees, and County, State, and Federal grant programs all contribute to the development of the Island's mobility network. The City routinely prepares and adopts a biennial budget, financial capacity analysis, and a Capital Improvement Plan (CIP). These documents provide a multi-year outlook that allows the City to make decisions about the pace of project implementation.

This chapter describes the funding sources and financing strategies that the City will use to support the implementation of the projects and programs included in the Island-Wide Mobility Plan. In accordance with Washington State GMA requirements, this chapter will also describe the City's funding capabilities, the 20-year mobility improvement plans, and a reassessment strategy.

Current Funding Sources

The City of Bainbridge Island uses different revenue sources for transportation capital projects and operations. Bainbridge Island's transportation funds come from eight main sources outlined below.

- **Real Estate Excise Tax (REET)** is an optional tax collected on the sale of qualifying real estate sales. REET is dependent on the amount of real estate sales and tends to fluctuate from year to year. Since this revenue is derived from a percentage of the sale price, an increase or decrease in property values has a direct impact on it. Currently, the City receives approximately $2.2M annually from REET funds.
- **Grants** are a competitive revenue source where projects must meet certain criteria. Federal, state, and regional agencies release grants to help fund transportation projects. This revenue source is highly dependent on the grant opportunities available each year and the City's capacity to respond to grant funding opportunities. The City competes with other jurisdictions to receive each grant, based on need, service population, project potential, project deliverability, and expected impact/value. Historically, there are significantly more grant opportunities (and funding available) in even years than odd years. Currently, the City receives an average of $1.4M annually in grant funding for transportation projects.
- **Traffic Impact Fees (TIF)** are authorized as a revenue source by the Washington State Growth Management Act. These fees are levied on new development as a method to pay for the increased demand that development puts on infrastructure. Accordingly, TIF revenue is dependent on development activity. TIF funds can only be spent on transportation capital projects that add capacity to the system. Maintenance, operations, safety, and other types of investments cannot be funded by TIF funds. Currently, the City collects approximately $100K annually in traffic impact fees.
- **Transportation Benefit District (TBD)** is a mechanism that local agencies can use to raise funds for transportation capital, maintenance, or operations projects. TBD funding can be drawn from different types of taxes or fees, but sales taxes and vehicle license (car tab) fees are the most common. Bainbridge Island has a $40 car tab fee that was established in 2012. $10 of this car tab fee is currently reserved for sustainable transportation projects and programs. Currently, the City receives approximately $800K annually in TBD funding.

- **Commercial Parking Tax** is levied on commercial parking businesses within the city. The tax amounts to 30% of the gross proceeds of the business. In practical terms, this amounts to a tax on vehicles parking for ferry access. Commercial parking tax revenues can be used to fund all types of transportation projects. Currently, the City collects approximately $600K annually in commercial parking taxes.

- **Motor Vehicle Fuel Tax** is a tax collected at the state level and distributed to jurisdictions. The funds allocated to Bainbridge Island are generally used for maintenance and operational expenses of the transportation systems on the Island. Currently, the City receives approximately $450K annually in motor vehicle fuel tax payments.

- **Right of Way (ROW) Permits** are required when right of way is being utilized. The revenue generated by collecting the permits is generally used to fund operational expenses of the transportation system. Currently, the City collects approximately $32K annually in ROW permits.

- **Multimodal Funds** are collected at the state level. These funds are derived from the Motor Vehicle Fuel Tax and are distributed by WSDOT to jurisdictions via a formula. Multimodal funds must be directed towards multimodal projects. Currently, the City receives approximately $33K annually in multimodal funds.

In addition to these funding sources, the City also uses operational revenue to fund street maintenance expenses, as well as to fund annual operational/programmatic needs such as pedestrian improvements and traffic calming. Between 2019 and 2024, the City's operational expenditures averaged about $1.1 million annually. The total estimated revenues for transportation projects between 2024-2044 is shown in Table 6.5.

Transportation Funding Challenges

In recent years, the City of Bainbridge Island has been faced with structural challenges that have restricted the amount of revenues available for transportation, including a decreased ability to raise revenues from previously relied upon sources:

- **Commercial Parking Tax** revenue peaked in 2019 and declined in 2020 due to COVID-19 and the shift towards remote work. This revenue's sharp drop in 2020 and 2021 has not yet fully recovered and may take many years to return to 2019 levels.

- **Motor Vehicle Fuel Tax** revenues will continue to decrease as vehicle fuel efficiency improves, and electric vehicle adoption increases.

Transportation Funding Trends

Bainbridge Island has a relatively robust mix of transportation funding sources compared to other cities, which will help it balance economic cycles that can impact some funding sources. However, as noted earlier, funding sources that rely on fuel taxes will invariably decline in value as the fuel tax loses relevance in the face of vehicle electrification. This is most clear for the motor vehicle fuel tax and multimodal funds, which are drawn directly from state gas taxes. However, many grants are also funded by fuel taxes. Unless the legislature and federal government enact a replacement for the gas tax, these sources are at risk and the City should be prepared to evaluate replacement funding sources, if necessary.

20-year Forecast

If the City were to continue business as usual with current funding sources, and assuming no long-term increases or decreases, the estimated amount of transportation revenue that would be generated over the

Table 6.5
total estimated available funds 2024-2044

Revenue (20-year period)	
Transportation Benefit Fund (TBF) – Operational Revenue	$16,000,000
Commercial Parking Tax	$13,200,000
Motor Vehicle Fuel Tax	*$6,010,000*
ROW Permits	$650,000
Multimodal Funds	*$660,000*
Real Estate Excise Tax (REET)	$30,000,000
Grants	*$28,220,000*
Traffic Impact Fees (TIF)	$3,000,000
Total Revenues	**$97.75 million**
Expenditures (20-year period)	
Operational Expenditures	**$22 million**
Capital Project List Total Cost	**$75.75 million**
Total Expenditures	**$97.75 million**

Table 6.5 provides forecasted transportation revenues and expenditures. Forecasted values are shown in 2024-dollar terms which allows for the potential that costs and revenue inflation track together. This tends to be true for revenue sources like sales tax and REET but is not true for fixed fees like car tabs or fixed per-gallon fuel taxes. Forecasted revenues are subject to change based on a variety of factors including, but not limited to inflation and changing regulatory landscapes.

next twenty years is estimated to be $97.75 million in 2024-dollar terms. However, this estimate may be an overly-optimistic funding prediction if the City does not raise TBD funds periodically to match inflation and if the systemic issues with the gas tax are not addressed. Assuming a consistent level of funding in operations and capital expenditures, the City is forecasted to spend $22 million on operations and maintenance expenses and approximately $75 million on capital projects and improvements over the next 20 years (cost estimates in 2024-dollar terms). The full 20-year forecasted revenues and expenditures is shown in Table 6.5.

The City will pull from the overarching IWMP prioritized project list to implement capital improvements. As funding availability changes, the City will continue to prioritize the most important projects that maximize the ability to leverage external funding while balancing the IWMP goals.

Potential Future Funding Sources

Although the City may fall a bit shy of the full cost for operations and capital projects, it is reasonable for the City to identify additional funding sources to close the funding gap. Additional funds can be generated through grants, state funding, state road usage charge, or other new sources documented in this section.

This section describes potential approaches the City could take to generate additional revenues for its transportation program. These new fund sources could be used to support construction of capital projects and programs identified in the IWMP.

Transportation Benefit District Fund

The City's Transportation Benefit District (TBD) is a special fund that is limited in use for transportation projects. The TBD fund can fund a variety of transportation improvements including road maintenance, transit services, and transportation demand management programming. The City's TBD fund is currently supported by the City's $40 car tab fee. Currently, this fee generates approximately $800,000 annually.

The City can increase TBD funding through the following:

- **0.1% Local Sales Tax :** $800,000/year in revenue
- **0.2% local sales tax:** $1.6M/year, requires voter approval
- **$10 car tab fee increase:** $200K/year, subject to referendum

Property Tax Levy Lid Lift

Cities can levy either a single-year or multiyear levy lid lift, temporary or permanent, to increase property taxes in taxing districts without banked capacity beyond the 1% limit.

With a permanent, single-year lid lift, cities can increase general property taxes beyond the 1% limit in the first year, and then that amount is used to calculate all future 1% levy limitations. The measure never expires, and the levy lid never reverts. Single-year lid lifts may be submitted to voters at any special, primary, or general election. With a permanent, multiyear lid lift, cities can increase general property taxes beyond the 1% limit (up to a limit factor specified in the ballot measure), for six consecutive years up to a rate equal to or less than the statutory maximum, which is $2.25 per $1,000 of assessed value. After the required six years, the total levy can increase by up to 1% annually. Multiyear lid lifts must be submitted at the primary or general election.

With a temporary, single-year lid lift, cities can increase general property taxes beyond the 1% limit in a single year. Following the initial lid lift "bump," property tax rates increase at the 1% limit for the number of years specified in the lid lift ballot measure. Once the lid lift expires, the property tax rates revert to what they would have been without the lid lift. Temporary, multiyear lid operate similarly and allow cities to increase general property taxes beyond the 1% limit for up to six consecutive years. Once the lid lift expires, the property tax rates revert to what they would have been without the lid lift.

As with all property tax revenue, revenue generated from a property tax levy lid lift can pay for operational or capital expenditures. Several cities have successfully passed single-year levy lid lifts (both temporary and permanent) for transportation improvements since 2011, including Bellevue, Bothell, Kirkland, Seattle, and Snoqualmie.

Utility Taxes

Cities can impose a business and occupation tax on most utilities that operate within the city boundaries. For many utilities, the City Council can pass a tax of up to 6% without a vote of the public. A higher tax requires a public vote for electricity, natural gas, or telephones (cell phones and land lines can be taxed, but not internet connections). There are no restrictions on how utility tax revenues can be spent.

Tax Increment Financing and Local Improvement Districts

Cities can impose a special property tax to finance the capital costs of transportation improvements that benefit properties within a city-defined benefit area. Sometimes this strategy is used to improve roads to a business district, or add sidewalks across an entire community, for example. For tax increment financing, the increase in property tax is excluded from the typical property tax increase limits and is calculated separately from standard property tax levies. Tax increment financing does not require a vote but has specific public hearing and notification requirements.

Local Improvement Districts are similar to tax increment financing but are allowed under a different and older state statute. Local Improvement Districts require a vote of affected property owners. Both tax increment financing and local improvement districts require detailed studies to calculate the cost of the improvements, and an estimated value of the revenues expected to be raised by the new property taxes. These programs can be more complex to establish and maintain compared to other revenue sources. The property tax ends when there are no additional capital project costs or when the districts sunset clause is reached. Often, these funding mechanisms are used to pay back bonds over time, although the revenue stream can be used directly as well.

6.4 Partnerships + Regional Coordination

In addition to clearly prioritizing projects and identifying funding sources to support project implementation, the creation and maintenance of local and regional partnerships is critical to effectively implementing this plan. Generating widespread local and regional support for projects accelerates project implementation and increases the likelihood of project success.

Local Partnerships

In 2023 the City worked with City Thread, a national, non-profit organization, to develop an Accelerated Mobility Playbook (Playbook) that outlined strategies the City could take to advance the implementation of the Sustainable Transportation Plan. Many of the Playbook's recommended strategies highlight the importance of building local partnerships and creating support for projects from the ground up. The City maintains several existing local partnerships with organizations and agencies such as the Bainbridge Island Metro Parks and Recreation District, Bainbridge Island School District, and the Senior Center. Additionally, to build widespread and consistent support for transportation projects, in late 2024 the City convened a coalition of multiple key local partners. The Sustainable Transportation Coalition represents a broad array of interests on the Island, including, but not limited to, seniors, parents, students, trail users, cyclists, pedestrians, and mobility experts. The purpose of this coalition is to provide a forum for providing feedback and building consensus on transportation projects.

Regional Coordination

The City is required by the Washington State Growth Management Act to coordinate planning efforts with adjacent jurisdictions. The City is committed to fulfilling and exceeding this requirement and frequently interfaces with regional agencies to proactively coordinate planning efforts on upcoming transportation projects. The City often communicates with WSDOT and Kitsap Transit to ensure consistency between regional planning efforts. Where practicable, the City and our regional partners aim to align overlapping projects to minimize construction impacts to the community.

Washington State Department of Transportation

The Washington State Department of Transportation (WSDOT) manages both SR305 and the Washington State Ferries (WSF) Bainbridge Island Ferry Terminal. As these two facilities are the only access points to Bainbridge Island, coordination and communication with WSDOT and WSF are critical for maintaining a operational mobility network on the Island.

SR305

SR305 is the only primary arterial on Bainbridge Island and offers the only two entrance points where vehicles from other jurisdictions connect to Bainbridge Island. Accordingly, SR305 is a critical piece of the Island's transportation network. SR305 is managed by WSDOT and WSDOT defines the LOS standard for SR305. SR305 is also a "Highway of Statewide Significance," which means local LOS and transportation concurrency standards do not apply to the facility.

SR305 is distinct from other City-owned and operated roadways on Bainbridge Island. Operational challenges unique to SR305 are described below:

- **Multi-Agency Coordination** WSDOT is the lead agency and has primary decision-making and financial responsibility for improvements to the highway.
- **Multiple User Groups** SR305 is used for both local and regional trips, especially by vehicles traveling to and from the ferry terminal. WSF controls the ferry schedules and therefore influences the traffic patterns on SR305.
- **Substandard Level of Service** A substantial portion of the seven-mile length of the highway on the Island experiences a substandard level of service. Improvements to the level of service would require several large projects along the length of the highway.

In 2017, Kitsap County, Kitsap Transit, Suquamish Tribe, City of Bainbridge Island, City of Poulsbo, and WSDOT partnered on a Needs and Opportunities Study to identify transportation issues and ideas along the corridor. The study was conducted to assess constraints on the corridor and identify a prioritized list of strategies to improve mobility and safety. The study connected with partner agencies as well as the community throughout the timeline of the study using both in person and online engagement tools. As a key corridor on the Island, the City plans to continue working with WSDOT to make improvements to the corridor that align with the vision of the IWMP and improve mobility and safety.

Kitsap Transit

As the primary provider of transit service on Bainbridge Island, Kitsap Transit plays an important role in providing sustainable transportation alternatives to Bainbridge Island residents and visitors. The City's

Comprehensive Plan development process takes into consideration future transit and mobility services as proposed in Kitsap Transit's Long Range Transportation Plan.

6.5 Maintenance

After building transportation facilities, the City must dedicate time and resources to their upkeep to ensure they remain safe and functional. Proper maintenance preserves the infrastructure's utility, prevents deterioration, enhances safety, and optimizes the use of City resources. As off-road, active transportation facilities expand, the City must prioritize their maintenance to uphold safety and comfort for users.

Maintenance Challenges

The City's mobility network faces several maintenance challenges that City staff work to address. These issues require consistent and routine attention to manage effectively. Key maintenance challenges include:

- **Vegetation Growth** Overgrown vegetation requires the trimming of foliage to improve roadway safety and sight distances.
- **Pavement Damage** As roadways age, the pavement surface and underlayment can be damaged by traffic, heavy vehicles, weather, and water seepage if not properly maintained. Poor pavement conditions can affect the safety of the road for all road users.
- **Gravel Road Grading** The surface of gravel roadways can deteriorate quickly, producing potholes in the roads and creating unsafe and uncomfortable conditions for road users. These roads need regular regrading to maintain the surface.
- **Roadway and Shoulder Sweeping** Regular sweeping of roadways is necessary to provide a clean, smooth surface for travel. Bicyclists are particularly concerned about gravel, dirt, and debris accumulating on shoulder areas.
- **Stormwater** Maintaining good roadway stormwater drainage is important to protect roadway conditions and to prevent flooding hazards.
- **Roadway erosion** Prevention of roadway erosion on shoreline and steep slope areas is important to avoid significant roadway damage. Repair of these severely eroded roadways is costly and may require special permits and mitigation efforts to maintain consistency with shoreline management goals and objectives.

Maintenance Programs

The City has several maintenance programs aimed at preserving the functionality and safety of the Island's mobility network. These programs prevent major infrastructure failures that could necessitate extensive and costly reconstruction.

- **Street Sweeping Program** Street sweepers remove debris and litter to prevent them from entering stormwater collection systems or roadside ditches. This process protects stormwater runoff from roadway pollutants and ensures a safe surface for vehicles and bicyclists.
- **Vegetation Management Program** Roadway vegetation is mowed to maintain roadway clearance and ensure clear sightlines for drivers, bicyclists, and pedestrians.
- **Roadway Ditches and Shoulders:** These elements are regularly maintained, cleaned, and reshaped to function as designed and support the roadway system effectively.
- **Road Preservation Program:** Bainbridge Island conducts an annual program to

preserve, maintain, and repair roadway infrastructure. Streets are assessed for reconstruction, overlay, seal coat, or patching. For roads not requiring full reconstruction, the City can repair damaged sections with asphalt patches, apply a chip seal, or overlay new asphalt on existing pavement.

- **Gravel Grading Program:** Each year, the City regrades and fills the surfaces of a select number of gravel roads to ensure their usability.

- **Trail and Pathway Maintenance Program** Maintenance activities include brush cutting and trail surface restoration to uphold the quality of the City's network of separated pathways and trails

Spot Improvements

The City frequently responds to requests from residents to improve travel conditions on the Island. These requests range from filling pot holes to adding stop signs to creating off-road paths for pedestrians and bicyclists.

The City responds to these requests through the Traffic Operations Committee which is comprised of staff representatives from the Public Works, Executive, and Police departments. At present, this group meets on an ad-hoc basis to discuss requests for spot improvements and assess whether the City has capacity to address them.

Recent spot improvements that the City has made in response to community requests include:

- **Sportsman Club Rd trail and fence improvements**
- **New crosswalk at Winslow Way and Bjune**
- **Valley Rd shoulder improvements**
- **New stop signs in Seabold neighborhood**

Trail Mainteance and Development

The City controls ownership of approximately 10.5 miles of mixed use trails such as the Farm Trail and the Waterfront Trail. These trails are managed and maintained through an interlocal agreement with BIMPRD. Trails are maintained and developed according to Parks District standards and the City works closely with the Parks District to identify areas of improvements and opportunities for cross agency collaboration.

A APPENDICES

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appendix a :
IWMP Change Log

The following change log tracks changes made to the Island-Wide Transportation Plan (IWTP) and the Sustainable Transportation Plan (STP) through the course of the development of the Island Wide Mobility Plan. The following tables indicate where changes or modifications were made to each plan and where the information can be found in the Island Wide Mobility Plan.

Where information included in the IWTP and the STP conflicted with each other, the IWMP favors the STP as it is the more recently adopted plan. City Council have directed staff to implement the Connecting Centers Scenario of the STP which is reflected in the content and project/program list included in the IWMP.

Island Wide Transportation Plan

	IWTP content	where to find in IWMP	description of change
IWTP Ch. 1	Island Context Map	Chapter 1 Introduction	updated maps to have consistent style
	Planning History	Chapter 1 Introduction	updated to include STP planning process
IWTP Ch. 2	Community Character	Chapter 2 Goals + Objectives	renamed to Community Vision
	Neighborhoods	Chapter 2 Goals + Objectives	included in Connectivity goal
	Environment	Chapter 2 Goals + Objectives	renamed to Natural Systems
	Balancing Community Needs	n/a	section not included in IWMP
IWTP Ch. 3	Level of Service	Chapter 5 Operations + Mobility	adopts new multimodal level of service standards
	Non-Motorized LOS Standard	Chapter 5 Operations + Mobility	adopts level of traffic stress based LOS standard for bike facilities
	Existing Traffic Conditions	Chapter 3 Existing Conditions	updated with more recent traffic data
	Existing LOS	Chapter 3 Existing Conditions	updated with more recent traffic data
	Land Use Forecast	n/a	not included in IWMP; refer to Comp Plan
	Future Traffic Conditions	Chapter 5 Operations + Mobility	updated to match new LOS standards
	Mobility Issues	Chapter 3 Existing Conditions	information included in connectivity gaps assessment
IWTP Ch. 4	SR305 LOS	Chapter 3 Existing Conditions Chapter 5 Operations + Mobility	updated with more recent traffic data
	SR305 Recommendations	Chapter 6 Implementation	modified to include information about coordination with WSDOT
IWTP Ch. 5	Collision History	Chapter 3 Existing Conditions	updated to include more recent data
	Safety Programs	Chapter 3 Existing Conditions Chapter 4 Multimodal Vision	updated to include traffic calming and safe routes to school programming
	Maintenance	Chapter 6 Implementation	no changes made

Island Wide Transportation Plan (cont.)

	IWTP content	where to find in IWMP	description of change
IWTP Ch. 6	System Inventory	Chapter 3 Existing Conditions	updated inventory for all modes
	Non-Motorized Use	n/a	not included in IWMP
	Connectivity Barriers	Chapter 3 Existing Conditions Chapter 4 Multimodal Vision	updated connectivity gap analysis; identification of barriers
	Non-Motorized Network	Chapter 4 Multimodal Vision Chapter 6 Implementation	updated to include Connecting Centers approach; updated project lists
	Facility Types	Chapter 4 Multimodal Vision	updated and simplified facility typology and design guidelines
	Levels of Service	Chapter 5 Operations + Mobility	adopts level of traffic stress based LOS standard for bike facilities
	Non-Motorized Improvement Plan	Chapter 6 Implementation	updated project lists to include STP projects; updated maps
	Design Considerations	Chapter 4 Multimodal Vision	updated to align with goals and new LOS standards
	Education, Encouragement and Enforcement	Chapter 4 Multimodal Vision Chapter 6 Implementation	updated to include STP programs
IWTP Ch. 7	Washington State Ferry Operations	n/a	not included in IWMP
	Kitsap Transit Bus and Other Services	Chapter 3 Existing Conditions Chapter 4 Multimodal Vision	existing routes updated, improvements updated to match Kitsap Transit Long Range Transportation Plan
	Multimodal - Transportation Demand Management	Chapter 4 Multimodal Vision Chapter 6 Implementation	updated to match STP programs
	Regional Coordination	Chapter 6 Implementation	no significant changes
IWTP Ch. 8	Funding Capabilities	Chapter 6 Implementation	20-year revenue forecast updated
	Funding Needs	Chapter 6 Implementation	20-year expenditure forecast updated
	Proposed Sources of Funding	Chapter 6 Implementation	updated to include more detailed information

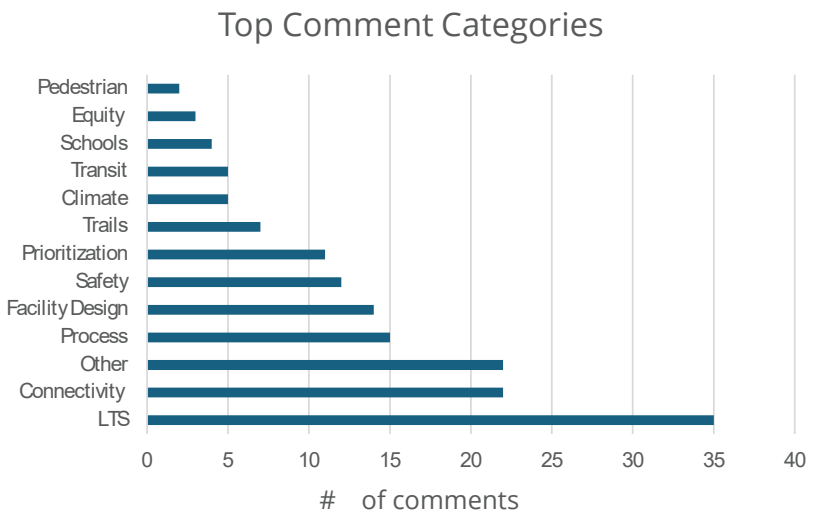
Sustainable Transportation Plan

	STP content	where to find in IWMP	description of change
STP Vision + Goals	Who developed this plan?	Chapter 1 Introduction	updated to reflect IWMP process
	Transportation Assets	Chapter 3 Existing Conditions	section expanded to include inventory of existing facilities
	Transportation Gaps	Chapter 3 Existing Conditions	section expanded to include connectivity and safety analyses
	Sustainable Transportation Goals	Chapter 2 Goals + Objectives	renamed goals, eliminated funding goal from goal framework
	Walking and Rolling Network	Chapter 4 Multimodal Vision	updated map, see Figure 4.2
	Sound to Olympics Trail	Chapter 4 Multimodal Vision	updated to include current status
	Transit and Shared Mobility Network	Chapter 4 Multimodal Vision	updated mobility hub locations to match connecting centers project list
STP Scenarios	Scenario 1: Status Quo	n/a	not included in IWMP
	Scenario 2: Connecting Centers	Chapter 4 Multimodal Vision Chapter 6 Implementation	no changes made to projects
	Scenario 3: Island Wide Stretch	Chapter 6	select projects included in IWMP project list
	Programs and Policies	Chapter 4 Multimodal Vision Chapter 6 Implementation	updated to reflect implemented policy changes

appendix b :
Engagement Summary

The City collected community feedback on the draft of the Island-Wide Mobility Plan in Spring 2025. An in-person egagement event was hosted on March 24, 2025 at City Hall; approximately 30 residents attended this meeting. In addition to the in-person engagement opportunity, the City opened an online feedback form. This online comment period was open for three weeks and received approximately 75 comments. Residents and community partners were also encouraged to reach out to City staff directly with any questions, or feedback they had regarding the IWMP. In total, the City logged 159 comments from members of the public.

An analysis of these engagements is provided below as well as a list of frequently asked questions. The following pages catalog the comments received and indicate the City's response to each comment.



IWMP FAQs

Based on the feedback and questions received from community partners and residents, staff compiled a list of frequently asked questions. These questions respond to the questions and comments received and aim to provide additional clarity and direct readers to the chapters in the IWMP where additional information on the topic can be found.

What does level of traffic stress account for?

Level of traffic stress (LTS) describes the user experience of a particular bicycle facility. It considers roadway features such as speed, slopes, sight distances, and number of driveways as well as how much separation is provided by the bicycle facility. See Chapter 5 for more information.

How does LTS account for intersections?

The current LTS measurement does not account for stress at intersections. However, the IWMP has been revised to include design guidelines and best practices for creating safe intersections for non-motorized users. For more information, refer to Chapter 4 of the IWMP.

What is a neighborhood greenway ?

A neighborhood greenway refers to a low-volume/ low-speed road that has design features that prioritize non-motorized users. One way in which a road can be converted to a neighborhood greenway is through the implementation of traffic calming features such as chicanes and traffic circles.

How is access to schools prioritized in this plan?

Projects that are ½ mile or closer to a school score higher than projects that are further than ½ mile from a school. Additionally, the plan provides for a Safe Routes to School (SRTS) program. More information can be found in Chapter 6.

Why are the Connecting Centers projects prioritized over others in this plan?

The Island-Wide Mobility Plan is a combination of previous planning efforts. The transportation planning priorities that City Council most recently adopted were included in the Connecting Centers scenario of the Sustainable Transportation Plan. When compiling projects to be included in the IWMP, staff prioritized the connecting centers projects in order to align with Council direction.

How does the plan address spot improvements?

Spot improvements are typically addressed on an ad-hoc basis. The City has existing and ongoing transportation maintenance programs that address these shorter term projects, such as shoulder improvements and vegetation management. More information about the City's maintenance programs and how it addresses requests for spot improvements can be found in Chapter 6.

How were projects selected?

Projects were compiled from the existing Sustainable Transportation Plan (STP) and the Island-wide Transportation Plan (IWTP). Projects that have been completed were eliminated. Where projects were duplicated between the two existing plans, the facility type proposed in the STP was given preference.

How can the City speed up implementation of this plan?

The capacity of the City to implement capital projects is dependent on funding availability, staff resources, and community support. Partnerships, especially those with local and regional organizations, can help to increase the speed of implementation by sharing resources and accruing a broad base of community support for the project. Several recommendations on how to accelerate implementation are provided in the City Thread Report in Appendix I.

continued on next page

Comment ID		Comment Summary	Comment Type	Response
Public Works COBI	01	Fig. 3.3: How were connectivity gaps identified?	Connectivity	Additional details added to section 3.1 of the IWMP.
	02	Ch. 4: Clarify that proposed network represents an ideal outcome that is balanced against funding availability, property availability, and design feasibility.	Process	Clarification made in Chapter 4 of the IWMP.
In-Person Engagement March 2025	03	Intersection design and level of stress should be more of a focus (multiple)	LTS	Added intersection design guidance to Chapter 4 of the IWMP.
	04	Topography should be considered in LTS measurements	LTS	Current LTS measurement does account for vertical and horizontal sight distance.
	05	School access is important, how is this incorporated into plan?	Schools	Included in prioritization methodology. See Chapter 6 of the IWMP.
	06	LTS varies along project extents - creates challenges	LTS	Noted.
	07	How is the City planning for pedestrian mobility (multiple)	Pedestrian	Information about pedestrian level of service included in Chapter 5 of the IWMP.
	08	Clarify typology of greenways	Facility Design	Noted. Typology clarified in Chapter 4 of the IWMP.
	09	How does the plan address spot projects and improvements	Process	Information included in Maintenance section of Chapter 6 of the IWMP.
	10	Network should be cohesive and target specific users (multiple)	Connectivity	Noted.
	11	Consider increasing capacity by adding lanes	Other	Noted.
	12	Gaps in shoulder network should be improved	Connectivity	Network gaps and connectivity is addressed in prioritization methodology.
	13	IWMP prioritizes commuters	Equity	Noted.
	14	Inadequate funding can result in patchwork of projects and facilities	Connectivity	Noted.
	15	How do trails fit into the LTS map?	Trails	Trails are considered off-road facilities and would be categorized as LTS 1 (eg. STO).
	16	Consider equity for people who use mobility devices (wheelchairs, walkers, etc)	Equity	Additional accessibility language added to Equity goal in Chapter 2 of the IWMP.

Comment ID		Comment Summary	Comment Type	Response
In-Person Engagement March 2025	17	Proposed BRT routes and Island Circulators should be mapped to understand transit priorities and access	Transit	Added to Figure 4.5 in Chapter 4 of the IWMP.
	18	What options does the City have to encourage easements for non-motorized infrastructure and connections?	Connectivity	Exploring options could be included in scope of IWMP project "Off-Road Easement Strategy"
	19	Connecting Centers projects should be visually distinguished in maps to indicate high priority	Other	Changes made to Figure 4.3 in Chapter 4 of the IWMP.
	20	Consider setting LTS minimums for corridors to avoid varying LTS across projects on the same corridor	LTS	Added intersection design guidance to Chapter 4 of the IWMP.
	21	Intersections should include traffic calming and spot improvements	Safety	Noted.
	22	Henderson Rd has poor road surface, suggest alternate route Komedal to Ralston	Other	Noted.
	23	Grow Ave traffic calming is inadequate, preference for sidewalks	Pedestrian	Noted.
	24	Add additional traffic calming on Miller Rd	Safety	Noted.
	25	Separated bike lanes feel dangerous in certain contexts	Safety	Noted.
	26	How does the City identify/meet the needs of "recreational" cyclists vs. "transportation" cyclists?	Equity	No distinction is made in the IWMP between recreational and commute cyclists.
	27	How can the City spend funds more efficiently to speed up implementation?	Process	Refer to City Thread Accelerated Mobility Playbook. See Appendix I.
Bainbridge Island Parks and Trails Foundation	28	Supports the continued development of the Connecting Centers Projects connecting Winslow to Lynwood Center, Island Center, and Rolling Bay	Connectivity	Noted.
	29	Emphasize the development of the Sound to Olympics Trail, southern segments from Sakai Park to Koura should be high priority	Trails	Adjusted prioritization of STO segments between Sakai Park and Koura Rd to reflect community feedback.
	30	Develop Safe Routes to Schools trails within half-mile of schools	Schools	Included in scope of Safe Routes to School project included in the IWMP.
	31	Improve roadside connections and crossings to improve safety for trail users. Especially Lost Valley and Kojima trail connection on Fletcher Bay Rd and Day Rd between Farmland Trails	Connectivity	Noted.

Comment ID		Comment Summary	Comment Type	Response
Bainbridge Island Parks and Trails Foundation	32	Consider bike and pedestrian use from Farmland Trail to Day Rd between 305 and Sunrise	Connectivity	Noted.
	33	Consider Wallace trail connector instead of Knechtel	Other	Noted.
	34	Remove Bucsit trail connection from STO to Sportsman trail connection project	Other	Separated into separate projects.
	35	Wardwell to Lovgreen should be medium priority	Prioritization	Noted.
	36	consider sidewalk only at south end of Baker Hill Rd from Blakely Heights	Facility Design	Noted.
	37	Have all 305 crossings been approved by WSDOT? Are they feasible?	Process	Projects are in conceptual phase and have not been reviewed by partner agencies.
	38	Lovgreen to Farmland trail, important for trail access	Connectivity	Noted.
	39	New Brooklyn, Fletcher to Sportsman important student connection from schools to Strawberry Hill Park	Schools	Project priority has been adjusted to respond to multiple public comments.
	40	Consider sidepath from Old Mill Trail to Blakely for sudents	Schools	Project segment currently calls for a separated bike path, design has not been finalized.
	41	Sands/Sakai connector should be low priority	Prioritization	Prioritization adjusted.
	42	Valley Rd sidepath from Madison to Sunrise should be high priority, lots of community interest	Prioritization	This project is included in the Connecting Centers scenario and is considered highest priority.
	43	Eagle Harbor: consider focusing on shoulder just east of McDonald, blind hill and very dangerous for peds/cyclists	Facility Design	Noted.
	44	STO Port Madison to Agate Pass should be prioritized higher, connection to N. Kitsap for commuters	Prioritization	Noted.
	45	Consider safety improvements at intersection of Sportsman and Finch "y" intersection	Safety	Section added in Chapter 6 to address safety and spot improvement projects.
	46	Consider improving sidepath in ROW from Grand Forest to New Brooklyn on Mandus Olson	Other	Noted.
	47	Consider adding sidepath on Koura between Fieldstone and Miller for parks and trails access	Connectivity	Noted.
	48	How does greenway typology different from trails	Facility Design	Project typology has been clarified, see Chapter 4 of the IWMP.

Comment ID		Comment Summary	Comment Type	Response
Bainbridge Greenways	49	New bike infrastructure should be LTS1 to address needs of children	LTS	Noted.
	50	STO to Sportsman Club Road should be high priority, LTS 1	LTS	Project priority has been adjusted to respond to multiple public comments.
	51	High School Rd from 305 to Finch, LTS 1	LTS	Noted.
	52	Lynwood Center to Eagle Harbor Dr via bucklin, LTS 1	LTS	Noted.
	53	Wardwell route from New Brooklyn on west edge of Sakai and Woodward heading north to Lovgreen and 305, LTS 1	LTS	Noted.
	54	Grow Ave between High School Rd and Winslow Wy, LTS 1	LTS	LTS map has been adjusted. Note that no project is currently proposed for this location.
	55	Baker Hill Rd from Lynwood Center Rd to Blakely, LTS 1	LTS	Noted.
	56	Sportsman Club Rd from Wyatt and Finch, New Brooklyn crossing to SR 305, LTS 1	LTS	Project priority has been adjusted to respond to multiple public comments.
	57	Day Rd from SR 305 to Sunrise, LTS 1	LTS	Noted.
	58	High School Rd from Finch to Strawberry Hill Park, LTS 1	LTS	LTS has been adjusted to LTS 2 respond to multiple public comments.
	59	Lost Valley Trail, 8-10 ft bikeable surface	Facility Design	Noted.
	60	Valley Rd between Sunrise and N. Madison Ave, LTS 1	LTS	Noted.
	61	Fletcher Bay Rd between Bucklin and Lost Valley Trail, LTS 1	LTS	Noted.
	62	Wyatt Wy from Finch to Weaver, LTS 1	LTS	Noted.
	63	Eagle Harbor Dr Ph. 1, LTS 1	LTS	Noted.
Resident	64	Concerns about proposed Bucsit Lane trail, poor road conditions and unstable shoulders, private road	Trails	Project priority has been adjusted to respond to multiple public comments.
Resident	65	Concerns about proposed Sands/Sakai Connector. Environmental concerns regarding wetland in the area and beaver habitat. Property concerns regarding private road on Bucsit.	Trails	Project priority has been adjusted to respond to multiple public comments. Project included in IWMP as a legacy project from the IWTP.

Comment ID		Comment Summary	Comment Type	Response
Resident	66	What are the overall GHG emissions; how much transportation related GHG reduction do we expect by 2035? 2045?	Climate	Transportation related emissions totaled 78,723 $MTCO_2e$ in 2021. For a detailed analysis on GHG reduction potential refer to Appendix J.
	67	do equity and all-ages ability goals conflict with GHG emission goal? Since all-ages and abilities facilities are likely costlier to construct meaning fewer facilities being built per year.	Climate	All ages and abilities infrastructure is shown to be effective at lowering VMT by providing facilities that the greatest number of people feel comfortable and encouraged to use.
	68	Connectivity is essential to reducing VMT because it is essential to safety. What is the relationship, in the plan, between connectivity, access, and safety?	Connectivity	Noted.
	69	There are safety gaps in every arterial and collector on the Island. What percentage of the existing network is unconnected?	Connectivity	The percentage of disconnected network was not calculated. See Figure 3.3 for a visualization of connectivity gaps.
	70	Where can we learn more about the GHG reduction analysis of the connecting centers scenario? How does this compare to the Island-Wide Stretch scenario?	Climate	Refer to Appendix J of the IWMP.
	71	What are the assumptions about the rate of growth in Island Center and Rolling Bay? How does this compare to the soon-to-be updated land use element in the Comp Plan?	Process	Expected future growth of neighborhood centers not addressed in the IWMP. Refer to the Comprehensive Plan.
	72	How much will the STO cost? What are the VMT impacts of the STO compared to other projects?	Climate	Total cost of the STO including construction and design is not calculated. Project level VMT reductions have not been calculated due to unavailability of precise measurement tools.
	73	What is the average cost per mile of the treatments listed in Table 5.2? How much would be saved by reducing speed limits to achieve LTS goals versus constructing separated bike lanes?	LTS	Cost/mile of treatment types was not calculated. Costs are highly variable based on a number of factors outside of facility design.
	74	What are the benefits of "access" as described in the prioritization methodology? How does it relate to connectivity?	Connectivity	See response to comment 67.
	75	Who were the key partners and stakeholders involved in the project prioritization process? How were they chosen?	Process	Input was provided by the Sustainable Transportation Coalition and the Climate Change Advisory Committee.
	76	Why are projects in the Connecting Centers scenario of the STP prioritized over others? Why is the Council bound to the STP, which was not even part of the comp plan?	Process	The STP is the current direction provided to staff by City Council and therefore was identified as highest priority.

Comment ID		Comment Summary	Comment Type	Response
Resident (cont.)	77	How will the City address the Agate Pass Bridge as it continues to plan for the STO?	Trails	The City currently and will continue to collaborate with WSDOT as it develops the STO.
	78	Will Lost Valley Trail be accessible to bikes, too?	Trails	Bikes will be allowed on Lost Valley Trail.
	79	Where will mobility hubs be located for transferring from bikes to buses, taxis, etc?	Connectivity	See Figure 4.6 in the IWMP.
	80	How will/does the City coordinate with Kitsap Transit?	Process	Refer to section 6.4 of the IWMP.
	81	Why is the City not considering a water taxi across Eagle Harbor?	Other	No new projects were considered in the development of the IWMP.
	82	Is Mandus Olson going to be available to bike?	Facility Design	Yes, bikes currently allowed on Mandus-Olson.
	83	To improve connectivity, any plans to gain more easements through private property (e.g. Lovgreen for STO, road next to Hyla School to get to Lynwood)	Connectivity	In scope of "Off-Road Easement Strategy" project proposed in the IWMP.
Online Engagement	84	COBI should be moving toward as many miles as possible of LTS below 4. It would be great to get to LTS 2 on most of our unavoidable well-traveled roads.	LTS	Noted.
	85	The difference between LTS1 and LTS2 is so large. One family and ability differences included the next only adults and just some adults at that! In order to foster a future that encourages a healthy and climate friendly future for the island, we need to help children and older adults especially!	LTS	Noted.
	86	I would prefer more miles of "less than perfect" bike routes. Not sure why Miller is labeled with LTS 4 - currently has 30mph limit with striped bike lane which per chart is LTS 3?	LTS	Noted.
	87	Please increase the speed of construction. These improvements are very important for allowing individuals to begin to experience the island by means beyond personal vehicle	Process	Noted.
	88	Miller Road-Fletcher Bay road needs a corridor plan so that all the segments are coherent and connected	Connectivity	Noted.

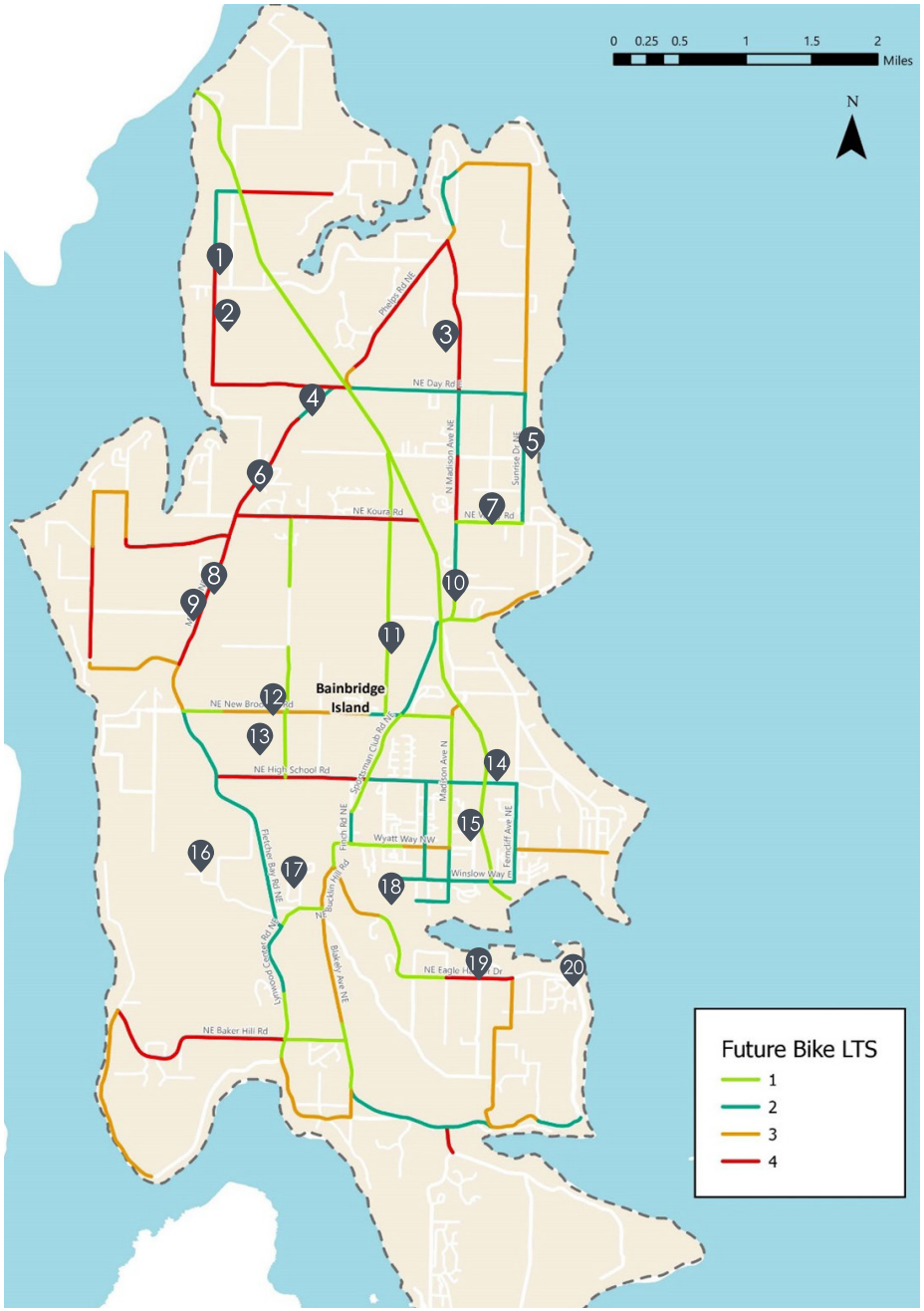
Comment ID		Comment Summary	Comment Type	Response
Online Engagement	89	I drive New Brooklyn daily at all times of the day and I rarely come across anyone on a bike. The plan for separated bike lanes seems excessively in favor of the handful of bicyclists who would use that. Not to mention the "citifying" effect this will have on our country roads. People do live in a rural community for a reason.	Other	Noted.
	90	Relying on sidewalks and shared trails for bikes is concerning. E-bikes are becoming more prevalent and pedestrian/bike interactions will happen at higher speed and be less safe than today.	Safety	Noted.
	91	Henderson Rd is a great choice for the bike mobility route, but you need to slow down the cars to make it safe for cyclists. During rush hour, cars routinely ignore the speed limit, frequently passing law abiding cars at high rates of speed. It is almost guaranteed that if you drive that road during rush hour and go the speed limit, someone will be on your bumper and fly around at the first opportunity, even if it's not a safe or legal one. Happens almost every day!	Safety	City Traffic Operations Committee has recently deployed traffic data collectors on Henderson Rd. In response to the traffic conditions experienced and measured in the Seabold neighborhood, new stop signs were installed at multiple intersections in Winter 2025. Additional improvements, including traffic calming, may be considered in the future.
	92	I don't support LTS because it focuses on perceived hazards as opposed to real hazards. Expensive separated bike paths are too expensive to build and maintain and limit the amount of non motorized improvements that can be done within the limited funding. Speed limits, along with enforcement, is an important part of safety for non motorized users. As is volume of traffic. More growth means more volume of traffic and diminished non motorized safety.	LTS	Noted.
	93	Even if this doesn't happen for another 20-40 years, I think magnetic rail or electric rail from ferry to Poulsbo with stops along the way makes sense. Any improvements along 305 should consider the potential of rail in the future. If we do eventually replace or modify the Agate pass bridge, keep rail in mind. This planning might change what we do and might save $$$ in the long run.	Transit	Noted.

Comment ID		Comment Summary	Comment Type	Response
Online Engagement	94	please just do more quickly. Again - I feel like proposals or aiming for "perfect" and so nothing gets done.	Process	Noted.
	95	As you acknowledge, this project has been in the works since 2017 and has little to show for the thousands of hours of public employees time and labor. Please start projects. Please increase your speed of construction	Process	Noted.
	96	You're making this too complicated. For all the fanfare around the sustainable transportation plan there's been very little non motorized improvements. The facilities recently built on Madison were part of a sewer project and not particularly well design. Experienced bike riders will be riding on the road instead of the lumpy narrow path.	Process	Noted.
	97	Bucsit Lane (public and private sections) need to be widened and paved to accommodate pass through traffic, even if it is just on foot and bike, because it is already unsafe to do those things on our road. .	Safety	Noted.
	98	Having a route that connects around from STO back to the ferry to give a protected loop for visitors would be a potential win.	Connectivity	Noted.The IWMP did not consider any new projects not included in previous planning efforts.
	99	The safety category [of the prioritization methodology]should consider the collision rate, not just the # of collisions.	Safety	Noted.
	100	[Projects should be prioritized based on] community feedback and relying on previously developed plans makes the most sense (ie core 40 and the newer sustainable transportation plan)	Prioritization	City staff have revised the prioritization of proposed projects based on community feedback received.
	101	Your equity score is zero until you have any projects to show for the countless planning and outreach meetings	Other	Noted.
	102	You've made this way too complicated. Equity? While you dither and pander to special interest groups simple widened shoulders are not being build. The CF on Eagle Harbor drive North of McDonald Street is a good example of pandering to one person and ending up with a really bad design.	Other	Noted.

Comment ID		Comment Summary	Comment Type	Response
Online Engagement	103	No one is going to choose to ride on 305! If you prioritize the side roads, you'll get a lot more cyclists choosing to ride over driving. Riding on 305 is miserable!!	Other	Noted.
	104	I actually think completing Miller should be prioritized higher. The "middle" was done and then nothing else leaving a common biking corridor dangerous at either end. (But to Lynnwood should be highest priority now). otherwise this entire section is too busy and unrealistic given current pace of projects.	Prioritization	Prioritization of Miller Rd projects have been prioritized higher in response to comments received from members of the community.
	105	Install widened shoulders. It might mean less work for City staff but we'd all be safer.	Facility Design	Noted.
	106	In general I feel that the plan gives a lower priority to west-side residents.	Prioritization	Some projects on the west side have been assigned a higher priority level based on feedback received.
	107	Concerning connecting city centers, why no discussion about connecting Island Center to Winslow or Lynwood Center. Anyone biking or walking to/from Battle Point Park to these locations has to navigate very unsafe conditions. This is especially true from the Park to these locales using Battle Point or Arrow Point roads	Connectivity	Connecting centers projects were included in the Sustainable Transportation Plan scenario adopted by City Council in 2022. Some projects on the west side connecting to Island Center have been re-prioritized higher in response to community feedback.
	108	why is doing something about unsafe multi-modal use of Fletcher Bay Road and Lynwood Center Road south of High School Road almost to Lynwood Center such a low priority? The route connects city centers and is very unsafe currently. The lack of infrastructure here does not make sense. They are shown as connectivity gaps in Figure 3.3.	Safety	Refer to response provided to comment 106.
	109	funding to keep the pathways accessible (free of debris, branches, wet/slimy/slippery decaying leaves etc) needs to be factored in. You can't consider paths viable without the maintenance required to keep them in useable condition. Many times I see bicyclists forced to ride outside the paths our taxes paid for because its too hazardous to stay in them.	Other	Refer to section 6.5 of the IWMP.

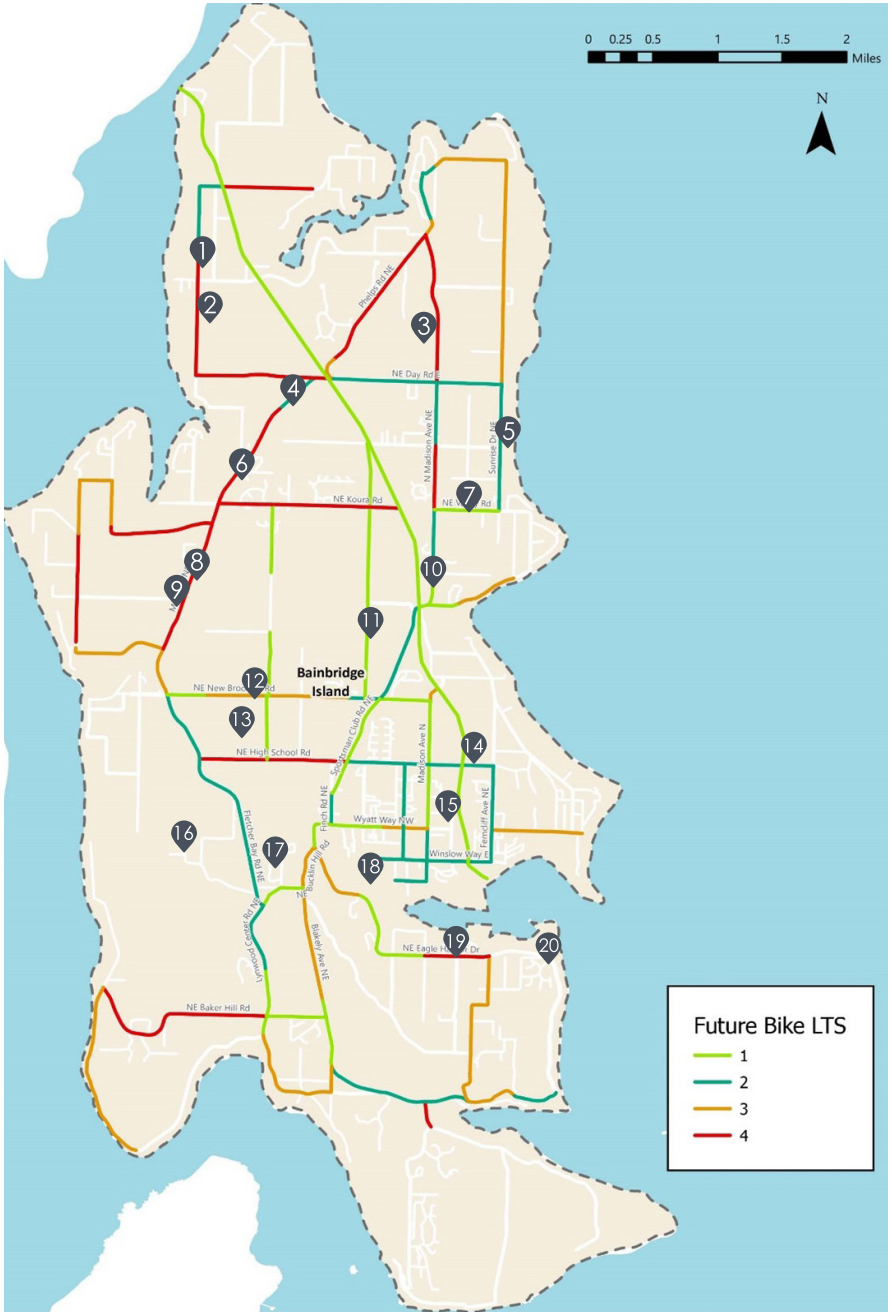
Comment ID		Comment Summary	Comment Type	Response
Online Engagement	110	there are more transportation options than autos and bikes. Consider rail as an option along 305 corridor in our future at some point and plan ahead for best outcome. I am also a big fan of the expansion of dial a ride bus service on the island. It serves everyone and provides vital access.	Transit	Noted.
	111	Stop with the never ending public outreach. Administrations turn over while zero projects occur.	Process	Noted.
	112	Years go by without simple widened shoulders being installed where it could easily be done, like on Blakely Avenue. It's really kind of pathetic.	Process	Noted.
	113	Regarding sustainability, it's assumed the Sustainable Transportation Plan will reduce greenhouse gas emissions related to transportation. That should not be assumed. All projects should be subjected to an objective, non green washing, climate lens to evaluate their relative benefits.	Climate	Noted.
	114	Battle Point Park is a very highly used park, perhaps more than any other Island park, and almost everyone is forced to drive there. That makes Battle Point Drive unsafe for pedestrians and bikers along a very flat, straight, remote stretch of road (without shoulders or sidewalks) where almost no one adheres to the 25 mph speed limit. At night some use the road to drive VERY fast. A couple of years one of our neighbors, walking by the west entrance to the park was hit by a car and sent to the hospital with a head injury.	Safety	Projects around Battle Point Park have been re-assigned higher priority levels in response to community feedback.
	115	Bainbridge cannot maintain the roads it has; and will not adopt private roads that have continuous housing construction on them. Seems the city priorities are not geared to current conditions..... just always looking to spend money on new stuff. shame shame	Other	Noted.
	116	It would be great if an email address were provided so that a more thoughtful respond can be submitted.	Other	Point of contact for this project is Hannah Boettcher, hboettcher@bainbridgewa.gov. Contact information has been provided on the City website and the Engage Bainbridge page for this project.

Comment ID		Comment Summary	Comment Type	Response
Online Engagement	117	Generally like the idea of trying to prioritize lots of safe connections to STO separated trail	Connectivity	Noted.
Resident	118	Distinguish more clearly the difference between LTS 1 and 2	LTS	Noted.
	119	More specificity is needed in the design guidelines provided in table 4.2; increased separation for vertically separated bike lanes, emphasize the use of barriers for decreasing user stress	Facility Design	Design guidelines included in Chapter 4 of the IWMP have been updated to provide greater specificity.
	120	Avoid the creation of "island deserts" i.e. disconnected facilities that dump users out onto unsafe roads	Connectivity	Noted.



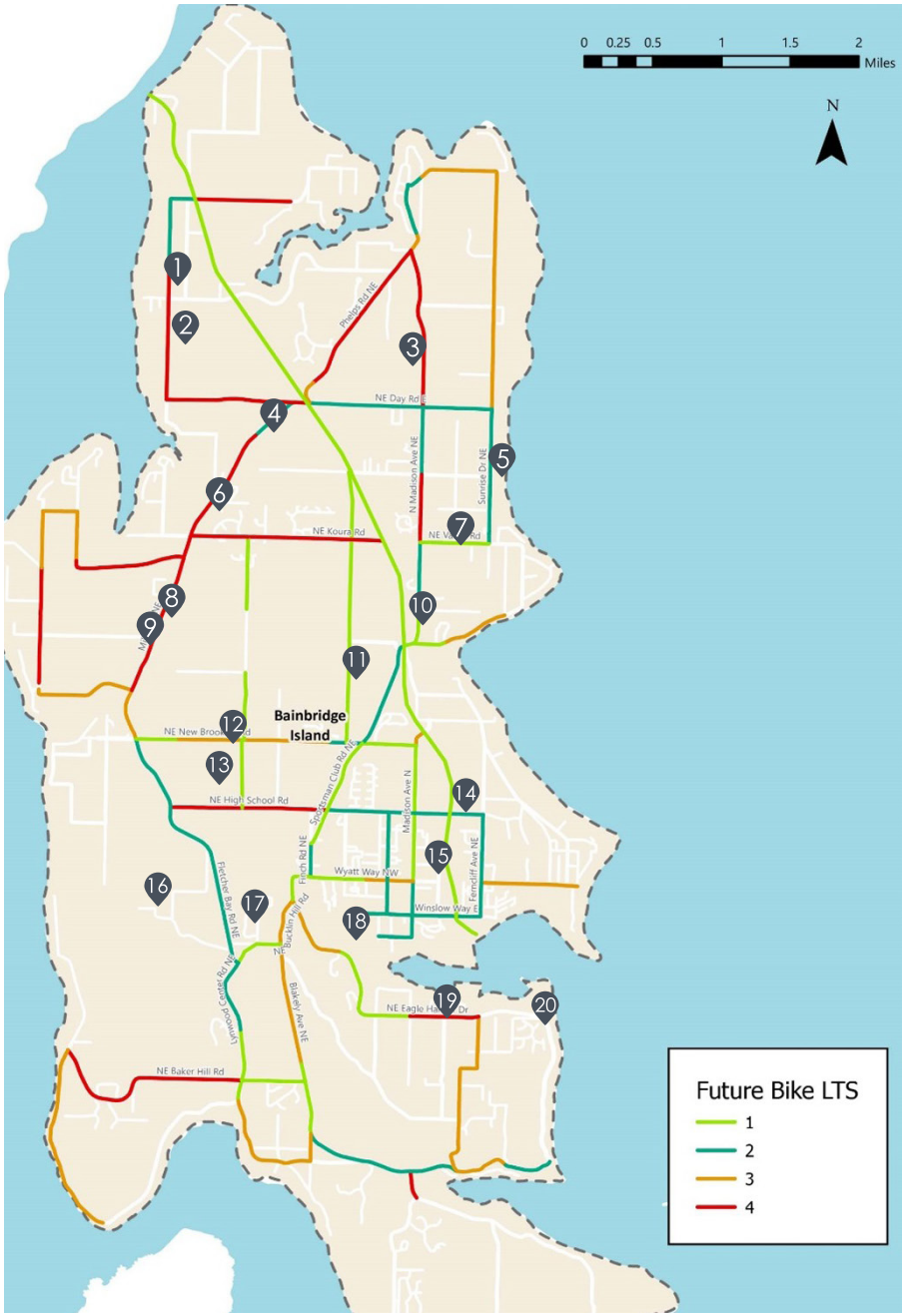
What do you think the minimum LTS should be?

ID#	Comment Summary	Response
1	Main route for cyclists	Noted.
2	Battle Point Drive needs widened shoulders for bikes and peds	Minimum LTS for Battle Point Dr. lowered to 3
3	LTS 2 or 3 - there are portions of Madison that have wide shoulders. Take advantage of the width and upgrade to more protected lanes	Minimum LTS on N Madison Ave between Torvanger and Day lowered to 3
4	Miller road is heavily traveled roadway partially served with widened shoulders. Widened shoulders for bikes and peds need to be extended to the intersection at Day Road and SR305.	Noted.
5	Sunrise drive is dangerous for bikes. Widened shoulders need to be installed on the most dangerous sections, which include close to Rolling Bay.	Noted.
6	Another important route for cyclists.	Noted.
7	Valley road needs widened shoulders for bikes and peds that retain the semi-rural feel of this stretch. City engineers should be deterred from over-designing road improvements on Valley that would impact its character.	Noted.
8	LTS 2-this area has a lot of pedestrian and bike activity on account of the access to the grand forest and the crossing from the grand forest to the trail going to battle point park.	Speed limit on Miller Rd makes LTS 2 difficult to achieve. Modified minimum LTS to 3.



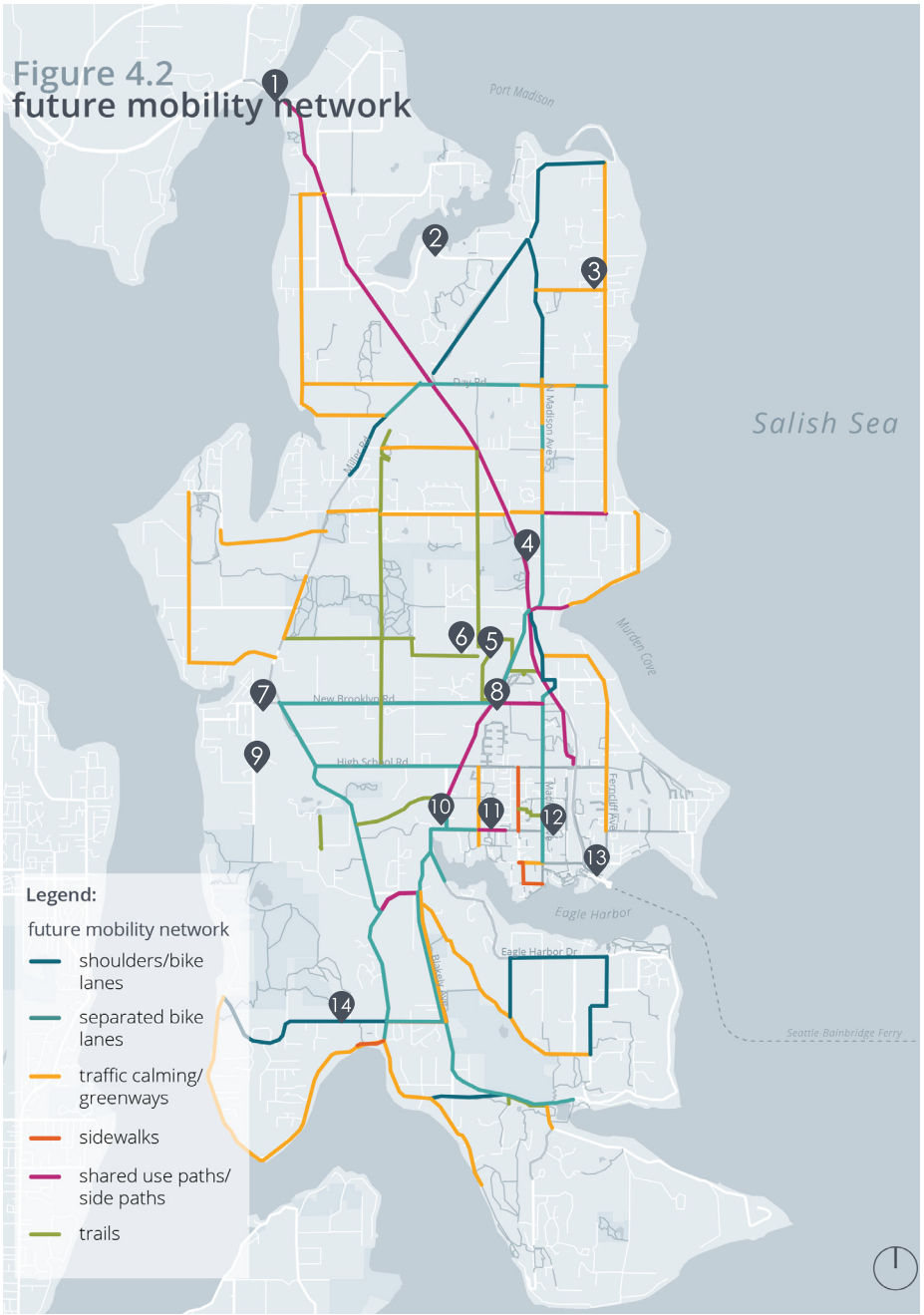
What do you think the minimum LTS should be?

ID#	Comment Summary	Response
9	Miller is a critical route for people outside of Winslow. And should be 3 or lower to encourage safe travel	LTS modified to LTS 3 on Miller
10	The Sound to Olympics Trail: It should not plow through the scenic buffer. Widened shoulders would be just fine.	Noted.
11	this is a private road that I have to maintain. Will city take over maintenance ?	Future LTS is based on proposed projects. Many projects are in conceptual phase and subject to modification.
12	Either New Brooklyn or HS Rd should have continuous LTS of 2 to make a comfortable east west route from island center	Noted. High School Rd upgraded to be LTS 2 between Miller and Sportsman Club Rd
13	Intersection of Finch and Madison: This is a difficult intersection for bikes going East and then turning left onto Finch. This needs to be corrected, possibly by making the intersection a 3-way stop.	Noted. Section on intersection design guidelines added to Chapter 4 of IWMP
14	The State is planning to build a roundabout at the HS road and SR305 intersection. COBI should be advocating for the project to include a non motorized passage under the new roundabout.	Noted. Section on intersection design guidelines added to Chapter 4 of IWMP
15	Currently a great street for bikes and peds. A possible connection with Hildebrand threatens to degrade non motorized LOS here.	Noted.
16	Lynwood Center Road needs widened shoulders for bikes and peds. This is a heavily used roadway with a low LOS for bikes.	Noted. Separated bike path planned on Lynwood Center Rd.



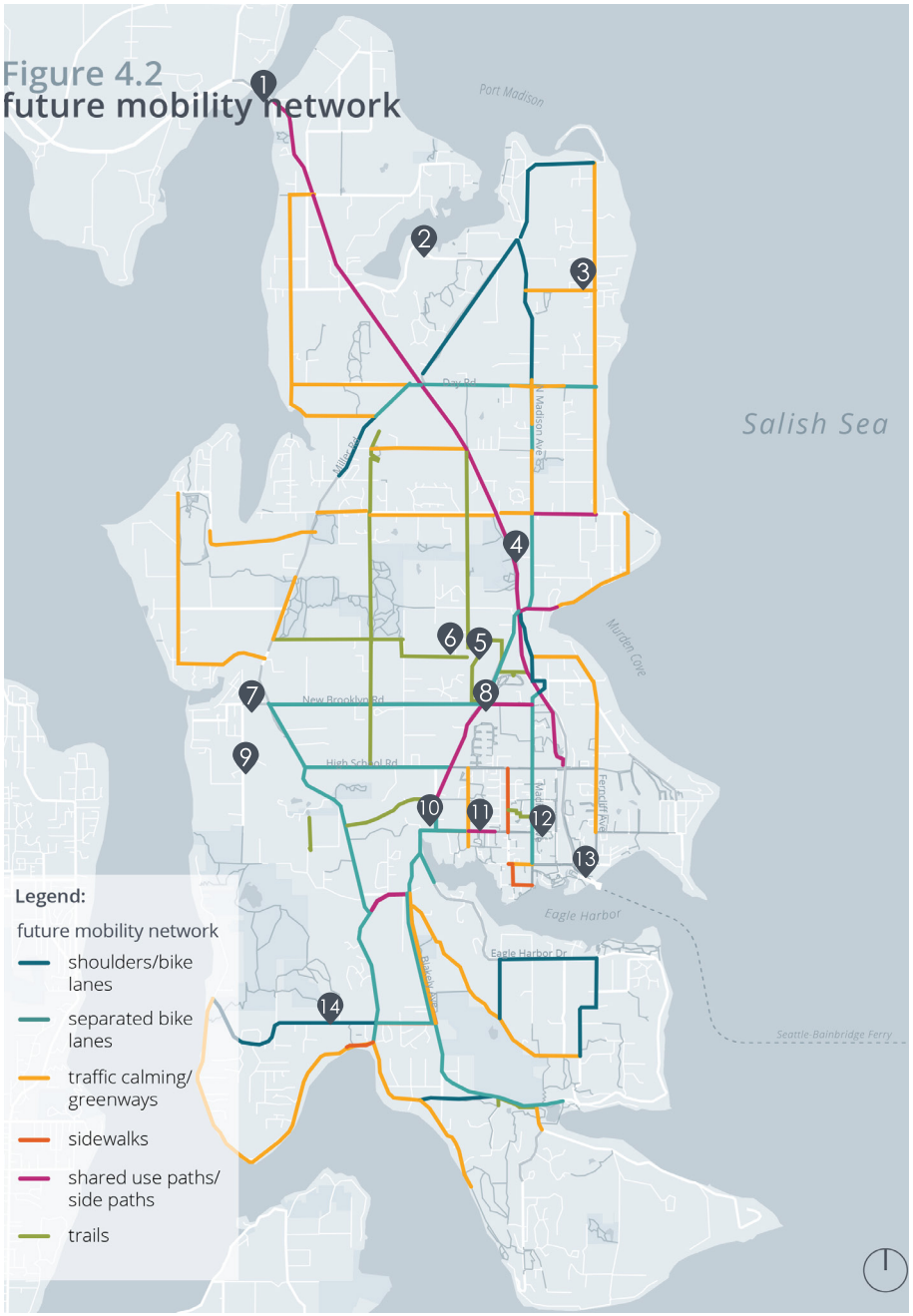
What do you think the minimum LTS should be?

ID#	Comment Summary	Response
17	Blakely Avenue needs widened shoulders for bikes and pedestrians. The level of feasibility on this section of road for a widened shoulder is high.	Noted. Separated bike lane and traffic calming planned on this corridor.
18	The stretch of Eagle Harbor Drive by the Blue Light Garage needs to be expanded with a boardwalk on the West side of the road to minimize encroachment of the garage business.	Noted.
19	The Easterly stretch of Eagle Harbor is dangerous for non motorized users, which hills and NO wide shoulders. Feasibility for adding wide shoulders is challenging but should be explored. Traffic calming measures should be considered to reduce motor vehicle speeds, which would increase the LOS for non motorized users.	Modified LTS on this segment to LTS 3.
20	Places with blind hills and significant bike traffic deserve improvements. It often leads to close passes, delays and stress to inexperienced bikers	Vertical and horizontal sight distances accounted for in LTS methodology.



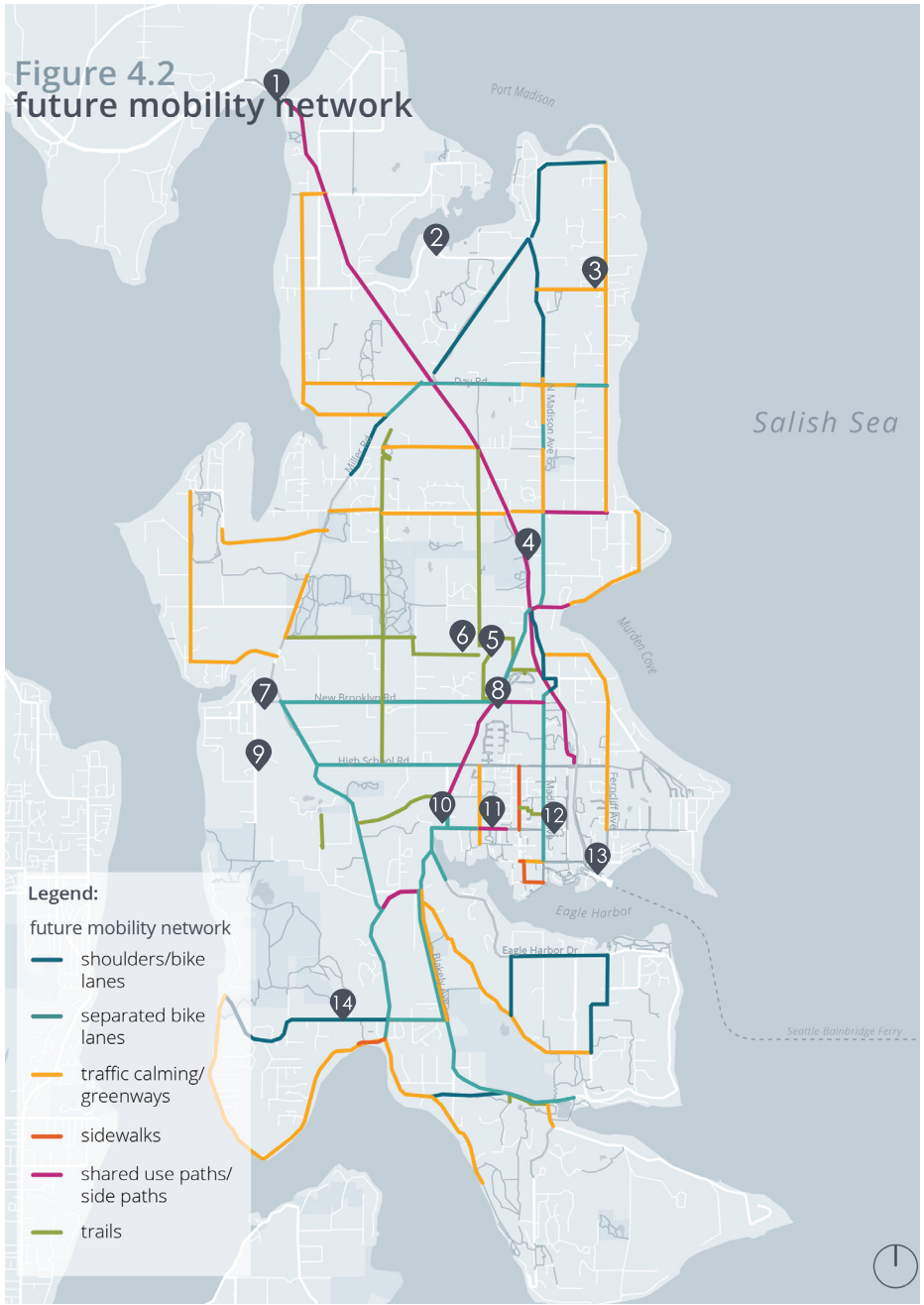
What should Bainbridge Island's future mobility network look like?

ID#	Comment Summary	Response
1	Connecting the dots for the future of light rail on Bainbridge Island.	Noted.
2	Consider bike lanes on Hidden Cove. It is a convenient east west cycling route for more confident riders, but could use some improvement to bring visibility to cyclists on the road-way	Noted. Added to LTS map.
3	[no comment made]	
4	I believe there would be value in thinking more long term. Imagine how much Seattle would have saved in finances and resources if they had kept passenger rail services from the past, or planned for "subway/ light rail" when city was first growing. One we should think about, plan for potential of this type of transport before we need to replace the Agate pass bridge. This type of alternative transportation would serve all ages, abilities, our environment and our budgets in the long run.	Noted.
5	I am concerned about the proposals for the trails converging on Bucsit Lane. When folks are walking/bike riding on the road, it is difficult to give them safe space as we drive around them. Our potholes are devastating and when you are forced to maneu-ver around people walking and biking, you have no choice but to drive into potholes or dangerously close to the end of the ditch which is unstable at certain points. I am all in favor of im-proved mobility on the island but	Project lowered in prioritization.



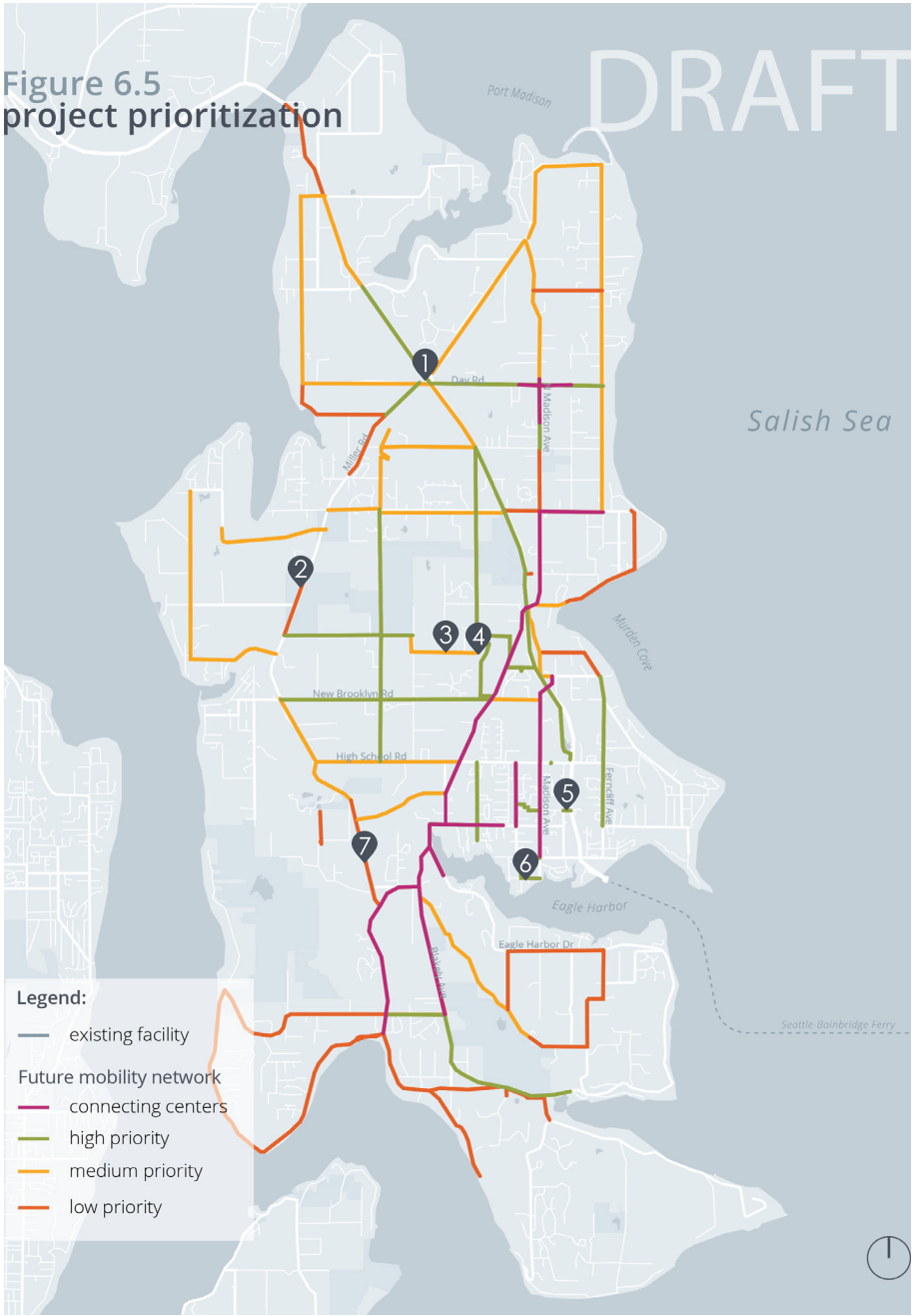
What should Bainbridge Island's future mobility network look like?

ID#	Comment Summary	Response
5	our road is not in a condition to take on so much additional foot and bike traffic if it became a through passage, vs the current dead end road.	
6	this is a huge swamp. How would a path go through this and who maintains it?	Project in conceptual phase, exact route tbd.
7	When the Springbrook fish passage and bridge is upgraded, consider an uphill bike lane on fletcher bay rd to improve cyclist connectivity from the fletcher bay neighborhoods to the path proposed on New Brooklyn	Project in conceptual phase, exact project extents to be determined.
8	The intersection at Sportsman and New Brooklyn was poorly designed by bikes, forcing uphill riders traveling North to use the sidewalk to avoid cars coming up from behind.	Noted.
9	Consider adding Springridge as a potential greenway, particularly south of Hansen. This corridor serves as an important non auto connection from Lynwood to Island Center through Gazzam.	Noted.
10	No 2-way non motorized separated path coming up the hill West of the intersection of Finch and Madison Ave. No 2-way non motorized paths next to traffic. Really bad idea, especially on a hill.	Noted.
11	No 2-way paths on Madison, or anywhere next to a major road. It's dangerous and restricts options for turning onto side roads by making that maneuver non intuitive compared to driving a motor vehicle.	Noted.



What should Bainbridge Island's future mobility network look like?

ID#	Comment Summary	Response
12	The roundabout at Madison and Wyatt was poorly designed by bikes, forcing uphill riders to use the side-walk to avoid cars coming up from behind.	Noted.
13	[no comment made]	
14	Provide and uphill climbing lane for cyclists on Baker Hill	bike lane proposed on Baker Hill, facility is not designed.



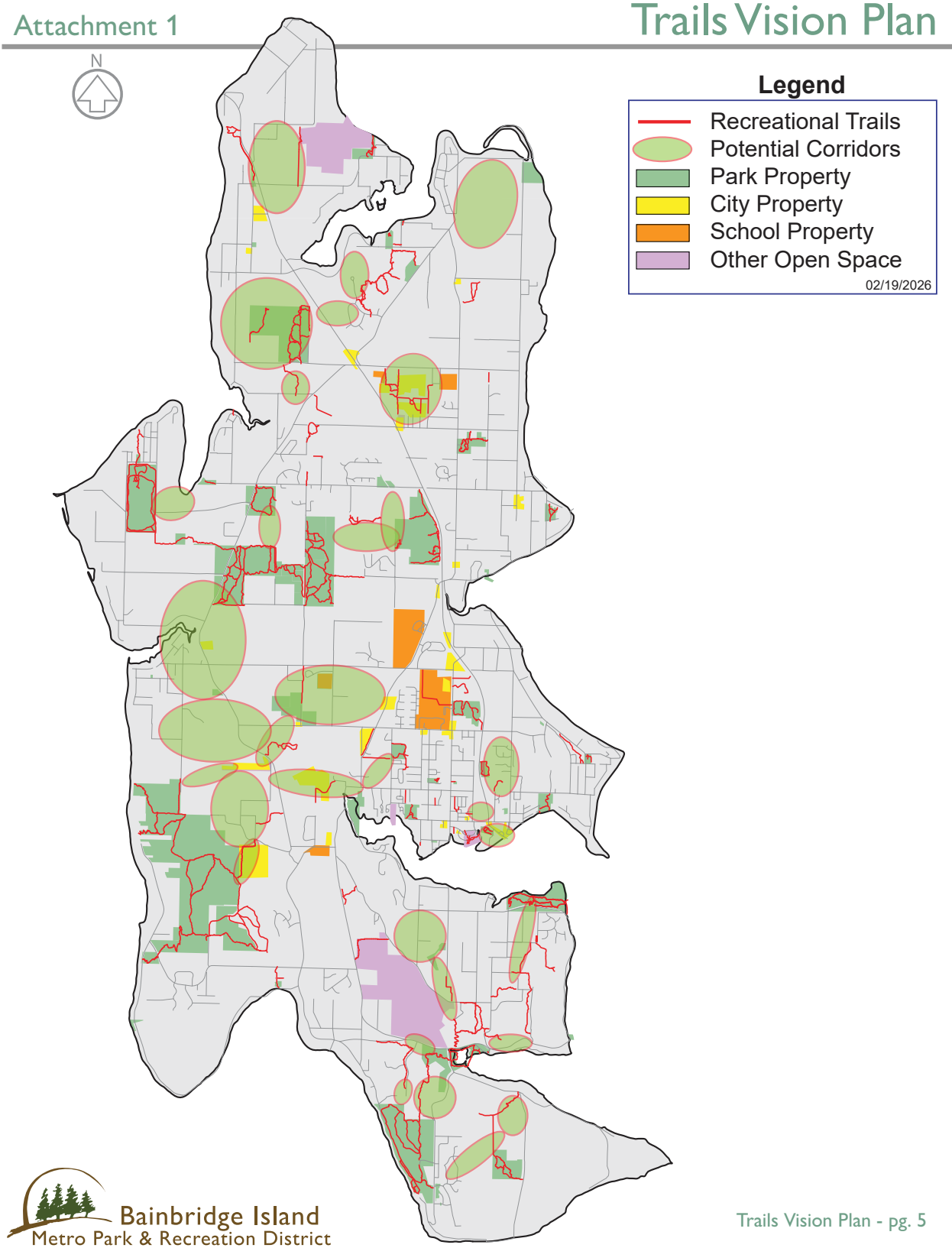
Do you agree with these project priorities?

ID#	Comment Summary	Response
1	The day road roundabout project needs to happen soon! This intersection is a mess	The Day Rd roundabout project is a WSDOT project.
2	This is a major park entrance and it should be high on priority lists to reflect the actual usage	Project priority modified to reflect community feedback.
3	this is a swamp	Noted.
4	this is my private road. NO changes please, I am here because I like privacy and NO ONE bothers me.	Project priority modified to reflect community feedback.
5	This crossing will be expensive and seems to serve relatively few people	Noted.
6	These are low volume streets that probably only score highly because of the math of the prioritization not actual usage or need	Project priority modified to reflect community feedback.
7	The prioritization over weights Winslow and the connecting centers projects. While I support the focus on connecting centers, the plan also needs to address other corridors that might be easy wins with routine striping or maintenance projects. Also, fletcher bay road is important north south route on the west side of the island	Connecting Centers projects are intentionally prioritized at the highest level. Some projects on the west side of the Island have be re-prioritized in response to community feedback.

appendix c :
BIMPRD Trails Vision Plan

Attachment 1

Trails Vision Plan



Bainbridge Island
Metro Park & Recreation District

Trails Vision Plan - pg. 5

appendix d :
STO Preferred Alignment

Sound to Olympics Trail Design and Planning Study
Executive Summary

The Sound to Olympics Trail (STO) design and planning work was initiated in October of 2023 by the City of Bainbridge Island, the Bainbridge Island Metropolitan Parks and Recreation District, and the Bainbridge Island Parks and Trails Foundation, as a jointly-funded venture to define the trail corridor through public engagement and engineering analysis. The work supports the securing of necessary easements, the future delivery of the trail construction, and enhances the project readiness from the perspective of upcoming grant opportunities.

During the development of the design and planning study work, the City and other partners in the region secured $1.7M in federal grant funds (RAISE or Re-building American Infrastructure with Sustainability and Equity funds) to support the design and planning of the Puget Sound to Pacific Trail (PS2P), of which the STO is the originating segment. The purpose of this Executive Summary is to provide an overview of the work performed through the City, Parks, and the Trails Foundation effort, and show the relationship between those efforts and the upcoming federal RAISE grant work.

As identified on the map (left), the following design and planning work is included as a part of these materials:

- **Sakai Park 20% Design Alignment 1** (preferred) - a preliminary design of the Sakai Pond to Madison Avenue segment of the STO that follows the State Route 305 right-of-way. The 100% design of this segment is a funded, future RAISE grant project.
- **Sakai Park 20% Design Alignment 2** - a preliminary design of the Sakai Pond to Madison Avenue segment of the STO that travels inland from the State Route 305 right-of-way
- **Planning Study Alignment 1 and 2** - a preliminary alignment that extends from Madison Avenue to the Agate Pass Bridge. Each segment has a recommended alternative determined by cost, environmental impact and other factors. The 100% design of this entire recommended alignment is a funded, future RAISE grant project.

appendix e :
Kitsap Transit Long Range Transportation Plan

visit: https://www.kitsaptransit.com/uploads/pdf/planning/lrtpreport_6dec2022.pdf

appendix f :
Prior LOS Standards

The following pages from the Island-wide Transportation Plan (2017), detail the City's previous Level of Service (LOS) standards. These LOS standards were used in the 2025 Comprehensive Plan Update.

Streets and highways are assigned one of these classes, depending on the character of the traffic (i.e., local or long distance) and the degree of land access that they allow. Typically, a trip will use a combination of different road classes, with each classification having a specific function with regard to access and travel speed. Arterials provide a high degree of mobility and less access, while local access roads provide a high level of access and less mobility. Collectors provide a balance between access and mobility and connect the system.

Road Standards

The City of Bainbridge Island has established its roadway street and design standards as part of its *Engineering Design and Construction Standards and Specifications.* These standards set the minimum requirements for constructing roadways and are applicable to all new roadway construction and modifications to existing roadways within the City of Bainbridge Island. The road and street design standards follow the functional classification system described above and establish separate standards for designated centers and the conservation area of the Island.

The City has both urban and suburban standards. Urban standards are intended to apply within the designated center of Winslow, the neighborhood centers including Lynwood, Island Center, and Rolling Bay, and the Day Road Industrial Center. Urban standards apply in all locations with R2.9 and greater zoning and/or effective density. The City may require urban standards to be applied in other areas in close proximity for system continuity.

Level of Service

This section describes the Level of Service (LOS) standards used in this document. LOS provides a method for measuring the performance of the transportation system. The City uses a standard for LOS that determines if adequate mobility is being provided on the roadway system. LOS standards and method of measurement have been coordinated with Washington State Department of Transportation, Washington State Ferries, Kitsap County, and Kitsap Transit to ensure that standards used in this document are consistent with these other entities.

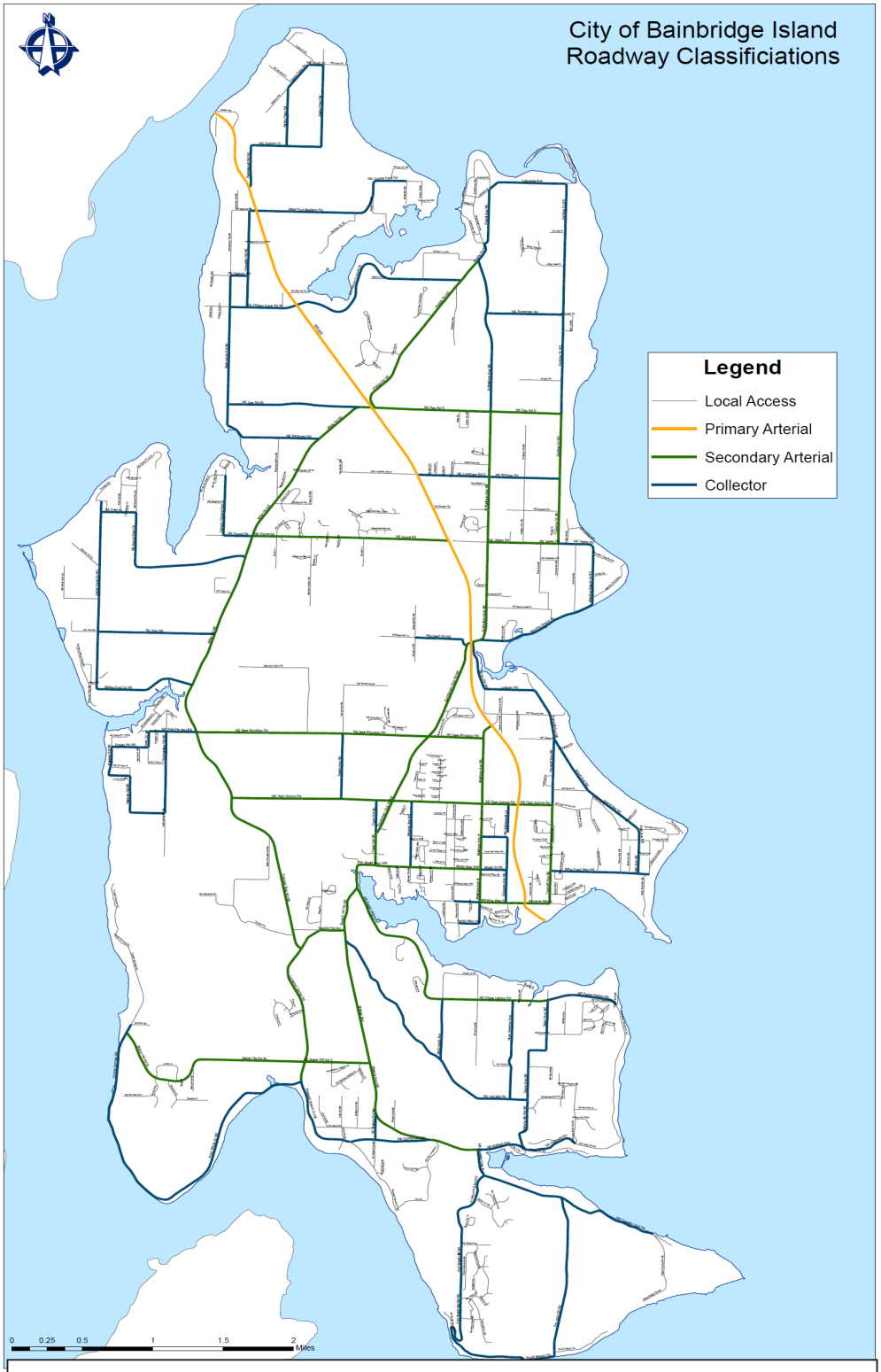


Figure 3-1, Road Classifications

LOS Defined

LOS is a measurement used in transportation planning to assess the operating performance of the transportation system. For roadways, LOS measures the degree of traffic congestion along a roadway varying from LOS A (free-flow traffic with minimal delays) to LOS F (highly-constrained traffic with long delays).

The Highway Capacity Manual (HCM) (Transportation Research Board, Special Report 209) establishes quantitative methodologies for determining level of service for differing types of facilities. The methodologies vary for intersections, roadways, freeway, and highway, but all follow the LOS A - F classification and provide a consistent method of measuring the performance of the transportation system. Table 3-2 describes the operation of the transportation system at each LOS ranking.

Table 3-2: Level of Service Descriptions

Level of Service	Description
LOS A	Free flow traffic conditions with very low delay at intersections.
LOS B	Reasonably unimpeded traffic operations with only short traffic delays at intersections.
LOS C	Stable operating conditions with average traffic delays at intersections
LOS D	Operating conditions result in lower travel speeds and higher delays at intersections.
LOS E	Travel speeds are substantially restricted with problems likely to occur at intersections.
LOS F	Roadway operations are over capacity with extreme delays likely at intersections.

LOS is measured differently for roadways and intersections. For roadways, LOS is measured as a function of traffic volume and roadway capacity. For intersections, LOS is measured as a function of vehicle delay in clearing the intersection.

Roadway LOS Measurement

Roadway LOS is measured by the relationship between traffic volume (V) and capacity (C) of the roadway. As the volume of traffic using the roadway approaches, the capacity of the roadway (V/C approaching 1.0), the level of service deteriorates. Table 3-3 relates volume/capacity to LOS measurements for roadways.

Table 3-3. Roadway Level of Service and Volume/Capacity Ratio

LOS	*Volume/Capacity (V/C) Ratio*
A	*Less than 0.6*
B	*0.60 to less than 0.70*
C	*0.70 to less than 0.80*
D	*0.80 to less than 0.90*
E	*0.90 to less than 1.00*
F	*More than 1.00*

Traffic volumes can be counted or they can be calculated using the traffic model by analyzing land uses that are served by the roadway. Bainbridge Island's roadway capacity policy is defined in the City's Design and Construction Standards; see Table 3-4. No policy is currently defined for arterial roadway capacity. There is some inconsistency between the City's current capacity policy and an engineering-based approach to roadway capacity calculation which would typically consider the physical structure of the roadway, including the number of lanes, type of intersection controls, widths of lanes and shoulders, and design speed. The City's capacity standards will be reviewed and updated during the roadway design standard update process.

The roadway levels of service described in this plan are based upon current capacity policy. In lieu of an arterial capacity policy, this plan calculated arterial segment LOS based on an approach which is currently used by other small cities and which is consistent with the state of engineering practice.

Table 3-4. Existing Roadway Capacity Policy

Functional Classification	*Area Type*	*Capacity **
Secondary Arterial	*Urban*	*> 3,000*
Secondary Arterial	*Suburban*	*>2,000*
Collector	*Urban*	*2,000 to 3,000*
Collector	*Suburban*	*1,000 to 2,000*
Residential	*Urban*	*< 2,000*
Residential	*Suburban*	*< 1,000*

* Capacity is measured using the Average Daily Traffic (ADT)

To improve the LOS for a roadway, either the capacity must be increased or the volume of traffic using the road must be decreased. To increase the capacity, the City can look at several options such as roadway improvements ranging from adding signals or separated turn lanes to an intersection to roadway widening. To reduce traffic volumes, the City can explore options such as changing allowable land uses or modifying individual travel behavior. This section focuses on capacity improvements. Chapter 7 discusses other travel modes and methods of transportation demand management.

Intersection LOS measurement

Intersection LOS is measured by the amount of delay experienced by a vehicle waiting to clear an intersection. Delay at a signalized intersection can be caused by waiting for the signal or waiting for the queue ahead to clear the signal. Delay at un-signalized intersections is caused by waiting for a break in traffic or waiting for a queue to clear the intersection. Table 3-5 shows the amount of delay used to determine LOS for signalized and un-signalized intersections. Roundabout controlled intersections use the same LOS thresholds as signalized intersections.

Table 3-5. Intersection LOS and Delay

LOS	Signalized Delay per Vehicle (sec/veh)	Unsignalized Delay per Vehicle (sec/veh)
A	0-10	0-10
B	>10-20	>10-15
C	>20-35	>15-25
D	>35-55	>25-35
E	>55-80	>35-50
F	>80	>50

Generally, speaking…

Roadways that are LOS E or F fail the standard.

LOS D is okay for certain arterials and collectors in urban areas

LOS A, B or C are within the standard for all arterials and collectors

Different delay standards are used for signalized (stop light controlled) and un-signalized (stop sign controlled) intersections. For signalized and all-way stop controlled intersections, the LOS is the amount of delay per vehicle caused by control and is reported for the intersection. For un-signalized intersections, where there are controls only on the minor approaches, the LOS is estimated by the average delay per vehicle and is reported for only minor approaches to the intersection.

City LOS Standard

The City of Bainbridge Island's LOS standard designates the minimum operational performance of the roadway system that must be maintained. If traffic volumes cause a roadway to fall below the minimum LOS standard, improvements or other mitigation must be made to bring the facility back to the designated LOS standard. Level of service standards are normally prescribed for the afternoon or p.m. peak hour (most congested hour) of the traffic system, which typically occurs between 4:45 and 5:45 in the evening on Bainbridge Island.

The recommended minimum LOS standard uses the City's roadway classification system, and four zones that reflect the differences in the Island's character: designated centers including Winslow and Neighborhood Centers, Conservation Area, and the SR 305 Corridor. Within each of these categories, individual minimum LOS standards were established for secondary arterials, collectors, and residential roadways. These are shown in Figure 3-2 and described below.

Winslow – (applies to roadways and intersections in the greater Winslow area)

- Secondary Arterial – LOS D
- Collector – LOS D
- Local Access – LOS C

Neighborhood Centers – (applies to roadways and intersections within the City-defined centers of Rolling Bay, Island Center, and Lynwood Center)

- Secondary Arterial – LOS D
- Collector – LOS C
- Local Access – LOS C

Conservation Area – (applies to roadways and intersections in areas outside of the Winslow core and the Designated Centers – the remainder of the Island)

- Secondary Arterial – LOS C
- Collector – LOS C
- Local Access – LOS B

SR 305 Corridor – (applies to state highways and is established by the State)

- All Roadways– LOS D

SR 305 LOS Standard

The LOS standard for state facilities is set by the Washington State Department of Transportation as a Highway of Statewide Significance (HSS) under RCW 47.06.140. The HSS designation requires that SR 305 be evaluated using a LOS Standard designated by WSDOT. While WSDOT internally evaluates roadways using its own methodology, WSDOT has assigned a level of service standard for SR 305 as LOS D-mitigate for City planning purposes. This standard requires that congestion be mitigated when the peak period operation of the state facility falls below LOS D.

Non-Motorized LOS Standard

The facility types and associated level of service for non-motorized transportation elements for secondary arterial and high volume collector (ADT 1500 or greater) roadways are established in Chapter 6, “Non-Motorized Systems” of this plan. The minimum Bicycle Level of Service (BLOS) and Pedestrian Level of Service (PLOS) for development is level of service C. PLOS and BLOS is calculated using the methodology in the latest edition of the Highway Capacity Manual. The 2010 Highway Capacity Manual (HCM 2010) provides a detailed methodology for calculating level of service for pedestrians and cyclists. The level of service is based on quality of facilities as well as traffic volume and speeds. LOS measures are graded A through F based on a numerical score with the letter A representing the highest-grade facility.

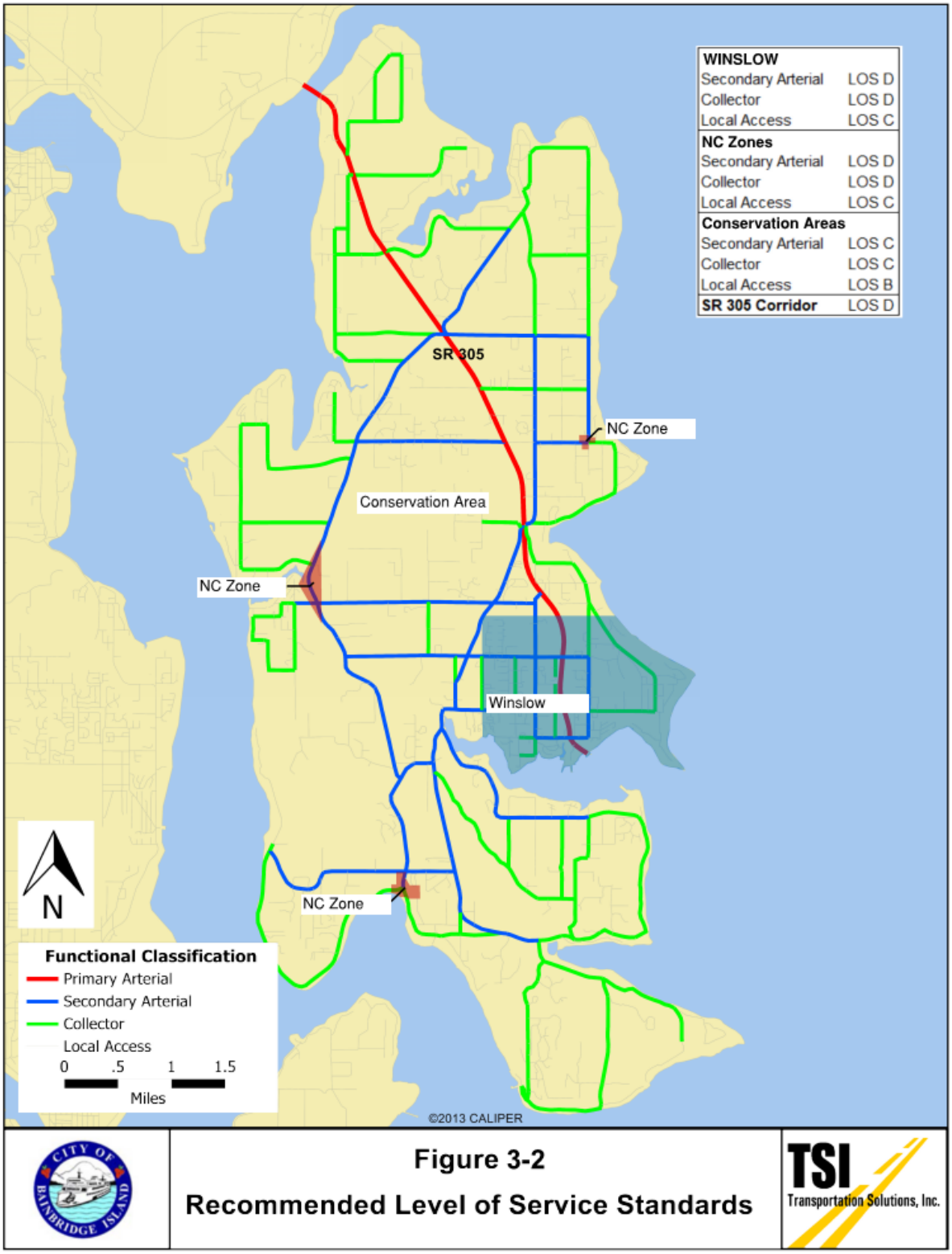


Figure 3-2

Recommended Level of Service Standards

Levels of Service

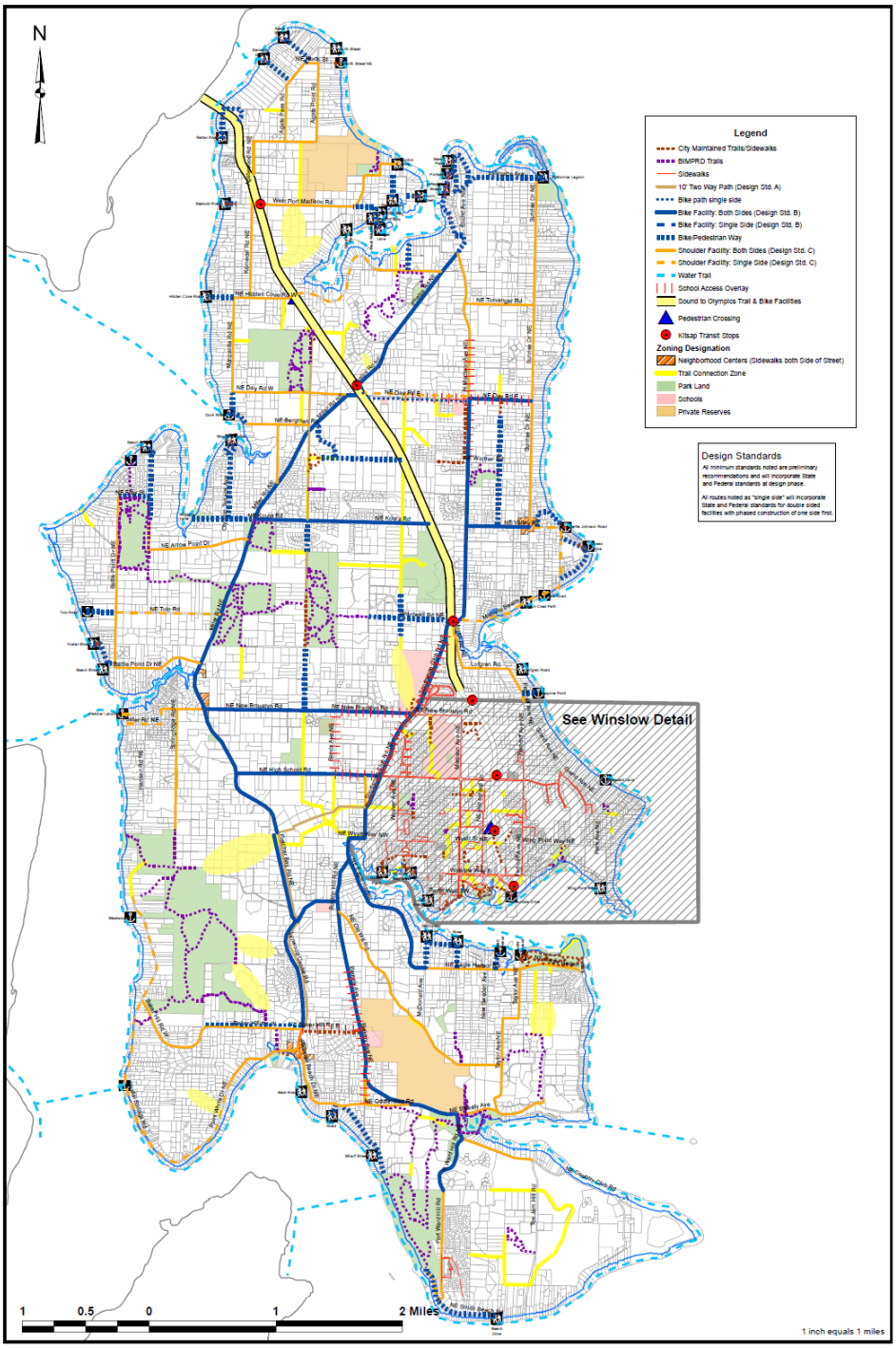
Bicycle Level of Service (BLOS) and Pedestrian Level of Service (PLOS) are established for each of the facility types for Secondary Arterial Streets and High Volume Collector Streets over 1500ADT with posted speeds up to 35mph..

Table 6-6, Non-motorized LOS Guideline	
LOS	Description
A	Separation from vehicular modes that is comfortable for the majority of users. Minimum 7 feet of separation or curb with 3 feet of separation.
B	Separation from vehicle modes that may not be comfortable for some users. Minimum curb or two feet of separation.
C	Space provided for non-motorized modes. Meets AASHTO minimums.
D	Space provided for non-motorized modes but may be sub-standard and not considered a non-motorized facility.

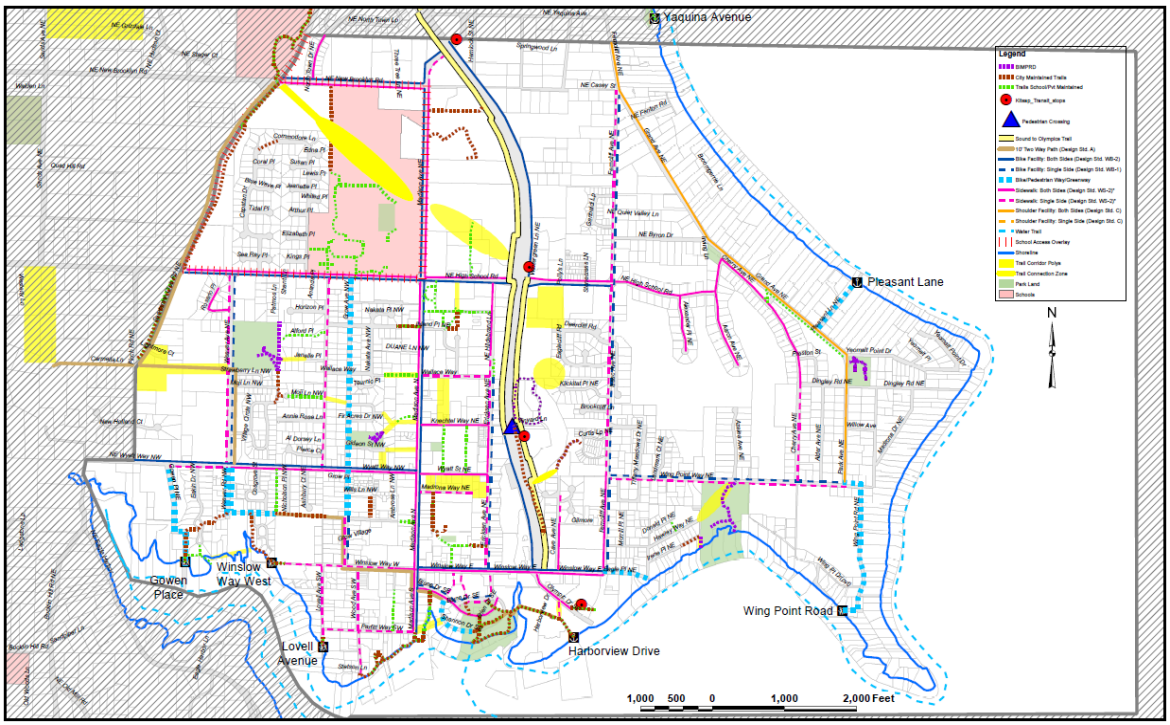
Table 6-7a, Non-Motorized Level of Service for Designated Centers		
Facility Description	BLOS	PLOS
10-foot wide multi-use pathway separated 7 or more feet from the roadway or separated by physical barrier	A	A
6-foot wide trail separated 7 or more feet from the roadway	C	A
5-foot wide sidewalk or trail with curb and gutter and planter strip 3 or more feet wide	N/A	A
5-foot wide sidewalk	N/A	B
5-foot wide paved shoulder w/ 2 foot buffer	B	C
5-foot wide paved shoulder (6 foot total width)	C	C

Table 6-7b, Non-motorized Levels of Service for Conservation Area		
Facility Description	BLOS	PLOS
10-foot wide multi-use pathway separated 7 or more feet from the roadway or separated by physical barrier	A	A
6-foot wide trail separated 7 or more feet from the roadway	C	A
5-foot wide paved shoulder w/ 2 foot buffer	B	C
5-foot wide paved shoulder (6 foot total width)	C	C
8-foot wide shoulder	N/A	B
6-foot wide shoulder	N/A	C
3-foot wide shoulder *	N/A	D

* 3 foot shoulders are not intended as a non-motorized facility but may provide space to avoid run out into a ditch or vegetation for non-motorized users, as well as recovery for vehicular traffic.



Non-Motorized System Plan
Map C: (Minimum Standards)
January 2003 Updated July 2016



Non-Motorized Transportation Plan
Map D: Winslow System Plan (Minimum Standards)
1:12,276
January 2003, Updated July 2016

Non-Motorized Improvement Plan

Programs and projects to achieve the proposed Non-motorized Transportation System Plan are identified in Maps E and F and Appendix K.

appendix g :
Concurrency User Guide

Concurrency Tool User Guide

Prepared for:
City of Bainbridge Island, WA

March 2025

FEHR PEERS

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Appendices

Appendix A – How to Use the Summary Tab

Appendix B – Updating Capital Projects Tab Example

Appendix C – Updating Frontage Improvement Projects Tab Example

Appendix D – Permitting Development Projects Example

Introduction

Along with updating its Transportation Element and Transportation Impact Fee program, the City of Bainbridge Island is updating the way it assesses transportation concurrency. This concurrency program update moves to a City-wide multimodal capacity assessment based on the supply and demand of person trips. The new system tracks whether the implementation of new transportation infrastructure (supply) is keeping pace with land use development, which generates person trips (demand). Under the Washington Growth Management Act (GMA), the City of Bainbridge Island is required to ensure that the transportation system capacity is expanded "concurrent with the development." This is defined by the GMA under RCW 36.70A. 070(6)(b) to mean that any needed "improvements or strategies are in place at the time of development, or that a financial commitment is in place to complete the improvements or strategies within six years."

Purpose of the Tool

Fehr & Peers developed a spreadsheet tool that provides the following key functionalities:

1. It allows the City to track its concurrency status over time, measuring whether there is adequate transportation capacity either built or funded within the next six years to support proposed development projects.
2. It estimates frontage improvement concurrency value associated with development projects.

The concurrency program is built around the assumption that the City is committed to spending $55 million (in 2025 dollars) on capital transportation investments by 2044. In the spreadsheet, this is represented as the 2025-2044 Total Concurrency Commitment (cell C5 on the Assumptions tab). This number is 75% of the expected capital revenue (in 2025 dollars) over the course of the plan, which accounts for uncertainty associated with funding sources such as state and federal grants. If the City can invest more funding, then it allows for additional growth capacity. Because the concurrency tool tracks project costs in current dollar terms, the $55 million is inflated to an estimated 2044-dollar cost (approximately $71 million as of March 2025, but this value will fluctuate slightly as annual inflation values for years 2025 and beyond are updated). This approach ensures that projects completed later in the plan horizon do not contribute disproportionally towards the concurrency progress just because of inflated project costs.

The **Total Forecasted Investment (2022 – 2044)**, which is cell AC11 on the Summary tab, and cell B5 on the Assumptions tab, is the overall concurrency value which the City will continue to track progress towards over the next 20 years. This includes the completed Bundled Madison Avenue project to align the investment with the plan horizon 2022 – 2044.

Total Forecasted Investment (2022 – 2044) =
Total Concurrency Commitment (2025 – 2044) + Completed Project Costs (2022 – 2024)

Using the Concurrency Tool

Overview of the Tool

This spreadsheet tool consists of five tabs:

- **ReadMe**: The ReadMe tab should be used to track updates.
- **Summary**: An auto-generated summary of concurrency status. Identifies whether the concurrency threshold is met based on the multimodal capacity projects and development projects loaded in the Capital Projects, Frontage Improvement Projects, and Development Projects tabs. Refer to **Appendix A** for details about this tab.
- **Capital Projects**: This tab lists investments projects based on the City's most recent Capital Improvement Plan (CIP). This list is updated as the CIP is refreshed.
- **Frontage Improvement Projects:** This user-input tab lists all frontage improvements built by developers and calculates the total frontage improvement cost in the current dollar value.
- **Development Projects:** A user-input list of land use development projects. This list is updated periodically to account for new trip generating land use projects in Bainbridge Island.
- **Assumptions:** Underlying data assumptions that dictate calculations in this tool, including the total planned investment and new person trips (as defined by the Comprehensive Plan and long-range financial forecasts). This sheet also contains CCI adjustments used to adjust values into current dollars. In addition, a trip generation table based on the 11th edition of the ITE Trip Generation Manual also resides in this tab. The last few rows allow customizations from City staff if necessary. In general, cells in this tab should not be modified unless City staff have valid reasons to do so.

This tool is also color-coded in the following conventions:

- Cells in beige accept input by typing or selecting from a drop-down list.
- Cells in white have preset formulas and should not be modified by a user.
- Cells in green are headers.

Updating and Maintaining the Tool

There are three circumstances in which the tool needs to be updated:

- Permitting development projects
- Updating frontage improvements
- Updating transportation capital investment projects

Every time the "current year" is updated, the file should be saved (or archived) as an independent version. However, new updates should always start from the most current version of the file (e.g. the file with the

most up-to-date current year entry). A summary of the timeline for updating each user input element of the spreadsheet is included below:

Tab	Element(s)	Frequency
CapitalProjects	Add new rows for new projects in the CIP	Annually with new CIP
	Update 6-year spending estimate	Annually with new CIP
	Enter Project close-out Year and Cost	Annually upon project completion
FrontageImprovementProjects	Add new rows for new frontage improvement projects	Annually, or as permitted
DevelopmentProjects	Add new rows for new development projects	As permitted (or annually for single family development)
Assumptions	CCI Adjustments (starting below cell C11)	Annually with ENR inflation data
	TE Net New Trips (2022 - 2044)	Update to match the preferred alternative of the current comprehensive plan
Summary	Current Year	Annually

In addition to the regular updates outlined above, the City should update the concurrency tool in its entirety when there is a major revision to the land use element of the comprehensive plan or when the plan horizon changes.

The following subsections serve as guides for updating the tool to reflect changes to capital projects, frontage improvement projects, and development permits. Examples of each circumstance will be provided in **Appendix B**, **Appendix C**, and **Appendix D**.

Updating Capital Projects

Enter/Update Capital Project(s)

When this tool was delivered to the City in March 2025, the "Capital Projects" and "Frontage Improvement Projects" tabs have been filled with latest information from the City's 2025 CIP and Nonmotorized CIP. However, City staff should update the columns in this tab at least once per year, when the City adopts a new CIP for the next six years.

- **ID**: Input the CIP ID for the investment project.
- **Project/Location**: Input the project name or project location.
- **Description/Comments**: Input the description of the project.
- **Source:** Input the document where the project is referenced
- **6-year Spending (Current $)**: Obligated project dollars over the next 6 years in the latest CIP. A project should only be added if funds are obligated within the CIP timeframe. "Placeholder" funding that is reliant on grants or other unsecured funding should not be included. The amount entered will be the estimate from the CIP, so the value will always be set to "current" dollar value and the estimate is not adjusted for inflation. For CIP projects that carry over from the previous CIP to the latest CIP, update the cost to the latest estimate and adjust six-year range under "Source" to match the latest CIP. Once funding is obligated, all sources of funding (grants, local funds, developer contributions, etc.) should be included to ensure the full value of the project is captured.
- **Project Close-Out Year:** Input the year that the project is completed.
- **Project Cost (Close-Out Year $)**: Input the total project cost once the project is completed. The dollar value should be included in the close-out year dollar value. When the project is completed and this cell is filled out, the obligated funding amount (6-year Spending) can be removed. Project costs should include design, right-of-way, and construction costs.

After all columns above are filled, the "Total Cost (Current $)" column will automatically calculate the total investment amount for each project by pulling the obligated "6-year Spending" value or adjusting the "Project Cost (Close-Out Year $)" into current dollar value.

Enter/Update Frontage Improvement Project(s)

Frontage improvement projects can be entered in the "Frontage Improvement Projects" tab of the spreadsheet. The following columns will be updated on an annual basis:

- **ID**: Input the ID for the frontage improvement project.
- **Permit Year:** Input the year that the project was permitted.
- **Frontage Improvement Project Location**: Input the project name or project location.
- **Description/Comments**: Input a description of the project.
- **Frontage Improvement Type:** Select from the drop-down menu one of the potential types of frontage improvements.

- **Length (feet) or Number:** Input the length in feet of the project or the number of improvements made.

With this information, the Unit, Raw Frontage Improvement Cost (2025 $), and Total Frontage Improvement Cost (Current $) will auto-populate.

Permitting development projects

Enter New Development Project(s)

When a developer comes to the City to apply for land use project development permits, City staff should make updates in the "Development Projects" tab. As development occurs, the City should first fill out details in the following columns from the left to the right:

- **ID**: Enter the permit ID for the project. Once a permit ID is entered, the row will be "activated" and will start showing numbers or dashes in white cells.
- **Description**: Enter a description about the project.
- **Date**: Enter the year associated with the project.
- **Project Status**: From the dropdown list, choose "Paid/Active", "Assessed", or "Scoping" based on the project's current status. "Paid/Active" means the TIF has been paid or the development project is moving forward. In either case, trips generated from the project will be counted as planned trips for concurrency. "Assessed" means the City has evaluated the development project's application and has come up with the TIF to be collected. In this case, trips generated from the project will be counted as planned trips for concurrency. "Scoping" means the development project is still in a "pre-application" phase, so trips generated from the project will not be considered for concurrency.

Moving to the right, City staff should skip the column "Person Trips" and fill out land use information under the "Land Use Type #1" header. Two columns need to be filled out by the user:

- **Code**: From the dropdown list, choose the appropriate land use code. Once a land use code is selected, a unit designated to the land use type would pop up in the "Unit" column.
- **Qty**: Enter the quantity of units that this development is adding or subtracting. The type of unit associated with the type of development is automatically populated based on the ITE Land Use Code. See the Assumptions tab for the Units by ITE Land Use Code.

Once the land use type and its quantity are filled out, the "Unit" column will auto populate and the person trips generated from this specific land use would be calculated and reflected in the "Trips" column under the "Land Use Type #1" header.

For any project that has more than one type of land use, such as a mixed-use development, the tool is designed to accommodate up to ten land use types per project. City staff can select different codes under land use headers #1 to #10 and enter desired exemption type and quantity for each land use type.

In a situation where a land use code cannot be found from the dropdown list, City staff can customize their own land use information in the "Assumption" tab. At the bottom of ITE Trip Generation table, City staff can customize the row(s) starting from code 991 and then go back to the "Development Projects" tab to select the customized land use from the dropdown list.

The City's concurrency methodology tracks the change of land use. The "Development Projects" tab can be used to understand the net new person trips associated with development. This is calculated by subtracting the number of person trips associated with the previous land use from the number of new person trips associated with the new land use. If there is a net reduction in planned trips, the methods above will derive negative numbers under "Trips" with respect to the prior land use. The reduced trips will be taken away from the planned trips for concurrency. In other words, the City will not pay developers for reducing planned trips under any circumstance, however they will count toward the City's overall concurrency accounting.

Check Concurrency Status

After updating all of the tabs, City staff can track the concurrency status by going to the "Summary" tab and updating the Current Year. The other cells on the "Summary" tab will be automatically updated to reflect changes on the input tabs. This tab is where the City can track concurrency status.

- **Current Year:** This is a manual input of the current year. This is used to auto-calculate currency values to the current dollar value.
- **Investment Projects Summary**: Auto-populates the following information:
    - **Obligated to Date**: The current dollar value of the total spending obligated to date.
    - **6-Year Forecast:** The current dollar value of the spending expected over the next six years.
    - **Frontage Improvements Cost:** The current dollar value of the completed frontage improvements.
    - **Total for Concurrency:** The sum of the Obligated to Date funds, the 6-year Forecast, and Frontage Improvement Costs.
- **Development Projects Summary**: Auto-populates to show total person trips generated from all the development projects by their status, including the one(s) just got entered.
- **Capital Projects:** Auto-populates the following information:
    - **Total Forecasted Investment:** The total value of the expected investment throughout the plan horizon.
    - **Planned Person Trips:** The net new trips expected from the Comprehensive Plan horizon. This value can be updated in the Assumptions tab.
    - **Investment per Person Trip**: Total Forecasted Investment divided by Planned Person Trips.
- **Concurrency Summary**: Auto-populates the following information:
    - **Planned Investment:** The sum of the Obligated to Date funds, the 6-year Forecast, and Frontage Improvement Costs.

- **Allowed Person Trips:** Planned Investment divided by the Investment per Person Trip.
- **Permitted Person Trips:** Total person trips generated from all "Paid/Active" or "Assessed" development projects, including the one(s) just got entered.
- **Remaining Trips / Results:** The number of person trips that still could be allowed under currently planned investments. If the value is positive, concurrency would be met. If the value is negative, development projects would exhaust all person trip supply from the currently planned investment, and the negative number would indicate how many person trips are still needed to meet concurrency. The cell will also show "PASS" or "FAIL" to indicate whether the current list of development projects complies with concurrency under currently planned investments.

Assumptions

The "Assumptions" tab is core to calculating key pieces off the concurrency summary. This tab is referenced in formulas throughout the tool and if assumptions change, calculations will be automatically populated. This tab documents the following content:

- Total Forecasted Investment (2022-2044), which is the sum of the Total Concurrency Commitment, and the cost of projects completed prior to 2025
- Total Concurrency Commitment (2025-2044)
- Comprehensive Plan estimated growth in Net New Trips
- CCI Adjustments
- Frontage Improvement Cost Estimates (2025 $)
- PM Peak Hour Net New Person Trips by ITE Land Use Code

The concurrency tool adjusts costs to the current dollar value, unless otherwise noted. Costs are updated by adjusting for inflation based on the Engineering News Records (ENR) Construction Cost Index (CCI) 2-year rolling average for October. This technique is consistent with the inflation adjustments applied to Bainbridge Island's impact fees. The City will need to update the inflation values annually for 2025 and later years. To do so, the City should update the values in Column C under the heading "CCI Adjust" in the Assumptions tab where the text is red (2025 and beyond). Once updated, text can be changed back to black to show that the update has been made.

Appendix A – How to Use the Summary Tab

City of Bainbridge
Concurrency Tool
Date Last Updated: 3/11/2025

ALL CONTENT PRELIMINARY AND DRAFT - NOT FOR PUBLIC USE

CITY OF BAINBRIDGE ISLAND

Current Year
2025

1 Investment Projects Summary

Spending Category	Cost
Obligated to Date (current $)	$5,950,800
6-year Forecast (current $)	$11,950,000
Frontage Improvements (curr	$512,538
Total for Concurrency	*$18,413,338*

2 Development Projects Summary

Project Status	Person Trips
Paid/Active	412

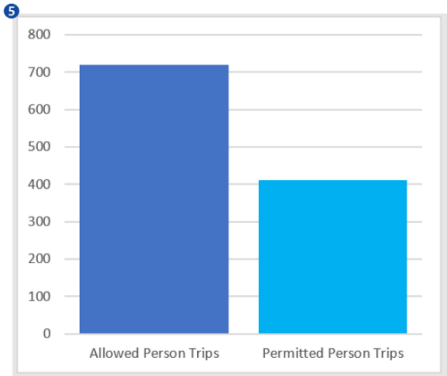
3 Plan Horizon (2022-2044)

Total Forecasted Investment	$76,759,257
Planned Person Trips	3,000
Investment per Person Trip	$25,586

4 Concurrency Summary

Planned Investment	$18,413,338
Allowed Person Trips	719
Permitted Person Trips	412
Remaining Trips / Result	**307 / PASS**

5



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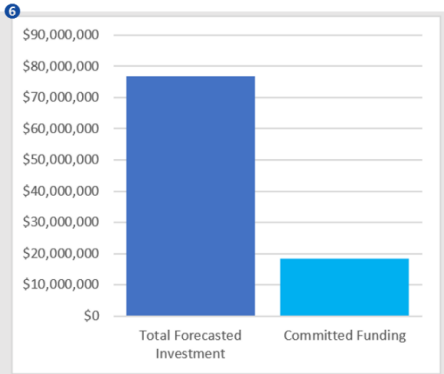


1 Summary from the "Capital Projects" and "Frontage Improvement Projects" tabs

2 Summary from the "Development Projects" tab

3 Assumptions forming the concurrency standard, based on planned projects by the 2044 planning horizon

4 Concurrency check would be passed if the planned person trips were not to exceed allowed person trips

5 Comparison chart of Permitted Person Trips to the total Allowed Person Trips.

6 Comparison of the Committed Funding to date out of the Total Forecasted Investment.

Appendix B – Updating Capital Projects Example

❷ ❸ ❹ ❺

ID	Project/Location	Description/Comment	Source	6-year Spending (by 2030) (Current $)	Project Close-Out Year	Project Cost (Close-Out Year $)	Total Cost (Current $)
	Bundled Madison Project				2024	$5,800,000	$5,950,800
TIP-3	Pleasant Beach Drive Extension (Tani Creek to Pleasant Beach)		2025 CIP	$375,000			$375,000
TIP-4	Winslow Way West and Finch Place Improvements (Finch to Grow Ave)		2025 CIP	$875,000			$875,000
NonMotoCIP-1	Connecting Centers: Eagle Harbor/Wyatt Non-Motorized Improvements (Shoreline to Nicholson)		2025 Nonmotorized CIP				$0
NonMotoCIP-2	Connecting Centers: Bucklin Hill Non-Motorized Improvements (Blakely - Fletcher Bay)		2025 Nonmotorized CIP	$250,000			$250,000
NonMotoCIP-3	Sound to Olympics Trail Long Range Plan (STO Trail)		2025 Nonmotorized CIP				$0
NonMotoCIP-4	Connecting Centers: Lynwood Center (Bucklin to Lynwood)		2025 Nonmotorized CIP	$4,500,000			$4,500,000
NonMotoCIP-5	Connecting Centers: Valley Road (Madison to Sunrise)		2025 Nonmotorized CIP	$750,000			$750,000
NonMotoCIP-6	Connecting Centers: Bucklin Hill and Finch to High School Road (Bucklin Hill Road and Finch Road)		2025 Nonmotorized CIP	$5,200,000			$5,200,000
NonMotoCIP-7	Lost Valley Trail (Head of Bay to Fletcher Bay Road)		2025 Nonmotorized CIP				$0

❶

❶ Delivered in March 2025, the "Capital Projects" tab is pre-loaded with the 2025-2030 Transportation CIP and 2025-2030 Non-Motorized Transportation CIP project list. This tab should be updated annually when a new TIP is adopted, starting from 2025.

❷ Enter/Update project "ID," "Location," and "Description," if necessary.

❸ Update the source and the six-year spending estimate every year when a new CIP is adopted and updated in this tab.

❹ If the project has closed out, enter the "Project Close-Out Year" and "Project Cost (close-out year $)"

❺ Total investments from a project is adjusted to current dollar value.

Appendix C – Updating Frontage Improvement Projects Example

ID	Permit Year	Frontage Improvements Project Location	Description/Comment	Frontage Improvement Type	Length (feet) or Number	Unit	Raw Frontage Improvement Cost (2025 $)	Total Frontage Improvement Cost (Current $)
PLN52091	2024	Baker Woods 7 SUB	asphalt shoulder, gravel shoulder on Baker Hill Road (see below)	Asphalt Shoulder	145	Linear Feet	$ 21,750	$22,316
PLN52091	2024	Baker Woods 7 SUB	asphalt shoulder (see above), gravel shoulder on Baker Hill Road	Widen Shoulder (Gravel Shoulder Enhancement)	145	Linear Feet	$ 1,450	$1,488
PLN52001	2024	Nishi 3 lot SPT	gravel shoulder only on Sunrise (critical area prevents additional asphalt shoudler)	Widen Shoulder (Gravel Shoulder Enhancement)	300	Linear Feet	$ 3,000	$3,078
PLN51737	2024	Pippinger 4 lot SPT	gravel shoulder on Koura at Miller	Widen Shoulder (Gravel Shoulder Enhancement)	350	Linear Feet	$ 3,500	$3,591

❶ Delivered in March 2025, the "Frontage Improvement Projects" tab is pre-loaded with the permitted frontage improvements that were approved between 1/1/2022 and 1/1/2025. This tab should be updated annually to reflect newly permitted projects, starting from 2025.

❷ Enter/Update project "ID," "Permit Year," "Location," and "Description/Comment" to reflect the new project.

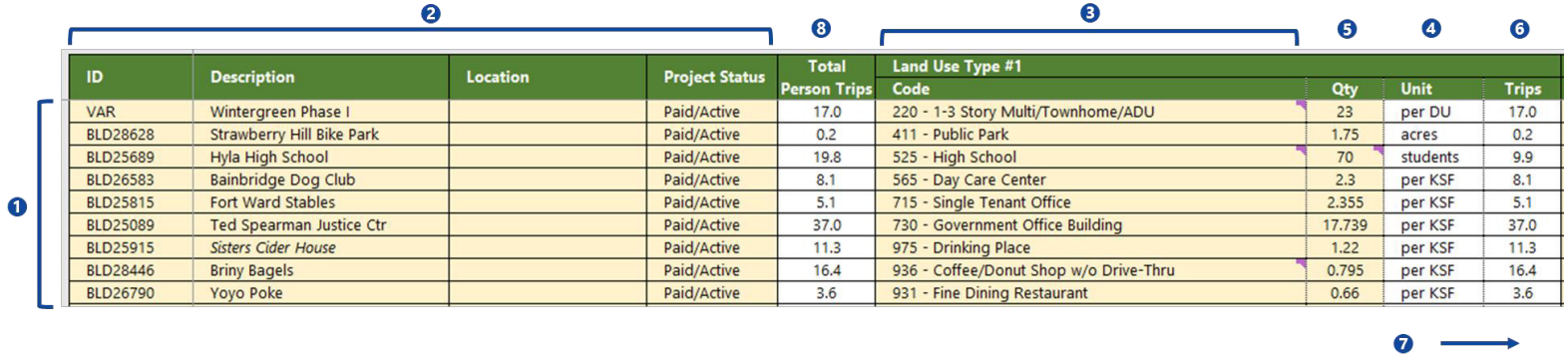
❸ Update the "Frontage Improvement Type" and "Length (feet) or Number" for every frontage improvement project.

❹ The input of "Frontage Improvement Type" is used to determine the unit.

❺ The input of "Length (feet) or Number" is used as an input to calculate the "Raw Frontage Improvement Cost (2025 $)." The assumptions tab details the cost estimates by unit.

❻ "Total Frontage Improvement Cost (Current $)" is calculated by scaling to the Raw Frontage Improvement Cost (2025 $)" to reflect inflation.

Appendix D – Permitting Development Projects Example



ID	Description	Location	Project Status	Total Person Trips	Land Use Type #1 Code	Qty	Unit	Trips
VAR	Wintergreen Phase I		Paid/Active	17.0	220 - 1-3 Story Multi/Townhome/ADU	23	per DU	17.0
BLD28628	Strawberry Hill Bike Park		Paid/Active	0.2	411 - Public Park	1.75	acres	0.2
BLD25689	Hyla High School		Paid/Active	19.8	525 - High School	70	students	9.9
BLD26583	Bainbridge Dog Club		Paid/Active	8.1	565 - Day Care Center	2.3	per KSF	8.1
BLD25815	Fort Ward Stables		Paid/Active	5.1	715 - Single Tenant Office	2.355	per KSF	5.1
BLD25089	Ted Spearman Justice Ctr		Paid/Active	37.0	730 - Government Office Building	17.739	per KSF	37.0
BLD25915	*Sisters Cider House*		Paid/Active	11.3	975 - Drinking Place	1.22	per KSF	11.3
BLD28446	Briny Bagels		Paid/Active	16.4	936 - Coffee/Donut Shop w/o Drive-Thru	0.795	per KSF	16.4
BLD26790	Yoyo Poke		Paid/Active	3.6	931 - Fine Dining Restaurant	0.66	per KSF	3.6

❶ Delivered in March 2025, the "Development Projects" tab is pre-loaded with the planned development from 2022 to 2024. This tab should be updated annually to reflect newly approved developments, starting from 2025.

❷ Enter/Update project "ID," "Description," "Location," and "Project Status" to reflect the new project.

❸ Select the ITE Land Use Code from the drop-down menu.

❹ A "Unit" will pop up when a "Code" is selected.

❺ Enter a "Qty" based on the "Unit". Enter a negative "Qty" to account for a prior land use.

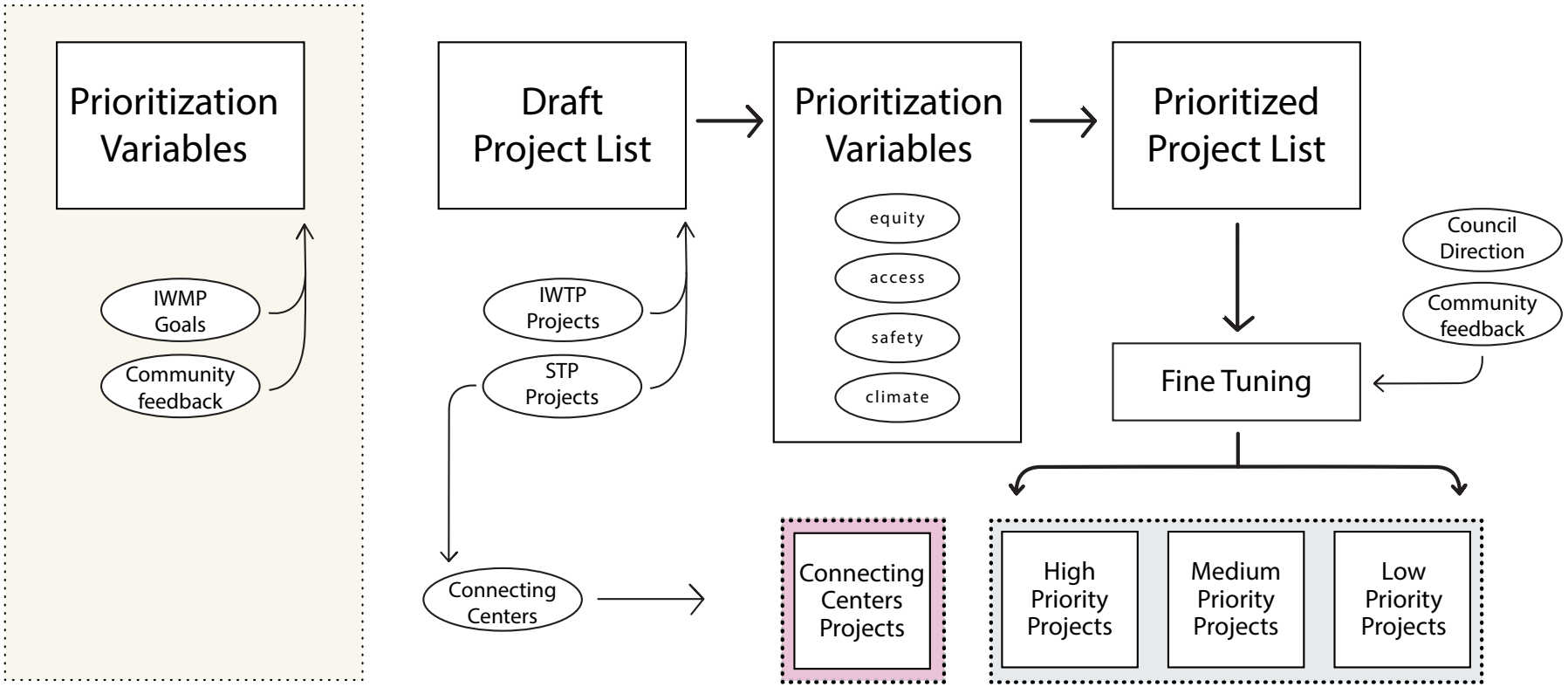
❻ The number of person "Trips" will populate based on the "Code" and "Qty."

❼ If there are multiple land use code changes as part of a singular project, populate the "Code" and "Qty" for each change in the same row, scrolling to the right.

❽ The "Total Person Trips" will populate based on the trips generated from each land-use change as part of the project.

appendix h :
Prioritization Methodology

The following diagram illustrates the prioritization methodology and how the final prioritized project list was created for this document. For more specific information about the scoring variables, see Chapter 6 of the IWMP.



appendix i :
Project Prioritization Scoring Results

project prioritization scoring

Project Information			Equity (15%)	Access (40%)					Safety (25%)			Climate (20%)		Results	
Project Name	Extents	Description	Equity Focus Area (.15)	Job Access (.05)	Education Access (.1)	Transit Access (.05)	Destinations Access (.1)	System Connectedness (.1)	Level of Traffic Stress (.1)	Accident History (.05)	Traffic Speeds (.1)	Behavior Change (.1)	Population Served (.1)	Weighted Score	Project Priority
Arrow Point Dr	BP Park to Miller	traffic calming	5	0	0	10	10	5	-5	5	5	0	5	3.5	med
Baker	Lynwood to Blakely	8'-wide vertically separated path eastbound	-5	10	10	10	10	10	10	5	0	5	-5	4.5	med
Baker Hill Rd	Lynwood Center to Palimino	Climbing Lane	-5	10	0	10	10	5	-5	5	5	0	5	2.5	low
Battle Pt.	Miller to B.P. Park	Traffic calming on stretch adjacent to Battle Point Park	5	10	0	10	10	0	-5	5	0	0	5	3	med
Bergman	Miller to Day Rd	shoulder improvements	5	10	0	10	0	0	-5	5	0	5	-5	1.5	low
Blakely	Bucklin to School zone	traffic calming	-5	5	10	10	5	10	-5	5	5	0	5	3.25	med
Blakely	Baker to Blakely Harbor	8'wide vertically separated path northbound	-5	5	10	10	10	5	5	5	5	5	5	4.75	high
Blakely	Baker to Bucklin	8'-wide vertically separated path southbound	-5	5	10	10	5	10	-5	5	5	5	5	3.75	med
Bucklin Hill	Fletcher to Blakely	vertically separated side paths	-5	10	10	10	0	10	10	5	0	5	-5	3.5	med
Bucklin Hill	Eagle Harbor to Blakely	separated bike lanes both sides	-5	5	10	10	0	0	-5	5	5	5	-5	1.25	low
Bus Stop Improvements			10	10	10	10	0	0	0	0	0	5	10	5	high
Community Educ. / Signage			0	0	0	0	0	0	0	0	0	5	10	1.5	low
Coppertop Mobility Hub			5	10	10	10	0	0	0	0	0	10	-5	3.25	med
Country Club	Blakely to Fort Ward	Traffic calming at Blakely Harbor Park	-5	0	0	10	10	5	-5	5	5	0	-5	1	low
Crystal Springs	Pt. White to Baker	Traffic calming; advisory shoulder striping	-5	0	0	10	10	0	-5	5	0	5	-5	0.5	low
Dana's Trail		Trail enhancements across School property Madison to New Brooklyn	5	10	10	10	0	10	10	5	0	5	5	6	high
Day	school zone	traffic calming	5	5	10	10	10	5	-5	5	5	0	5	4.75	med
Day	305 to Sunrise	8'-wide vertically separated path eastbound, traffic calming east from Madison	5	10	10	10	0	10	5	10	5	5	5	6.25	high
Day	Manzanita to Miller	Traffic calming	5	10	5	10	10	0	-5	10	5	0	-5	3.25	med
Day Rd	Miller to 305	bike lanes	5	10	10	10	0	5	-5	10	5	5	-5	3.75	med
Day Rd Park and Ride		EV charging stations, bike racks, etc	5	10	10	10	0	0	0	0	0	5	5	3.75	med
Eagle Harbor Phase 1	Adams to Finch	separated bike lanes both sides	5	5	5	10	0	10	-5	5	5	5	5	4.25	med
E-vehicle share/subsidy		EV/e-bike	10	0	0	0	0	0	0	0	0	10	10	3.5	med
Extend Transp. Benefit Dist. Fees			0	0	0	0	0	0	0	0	0	0	0	0	low
Farm Trail		off-road path	0	0	0	0	0	0	10	0	0	5	5	2	low
Ferncliff	Wing Pt. to Yaquina	Traffic calming	10	10	5	10	10	5	-5	10	5	0	10	6	high
Ferry Terminal Mobility Hub			10	10	5	10	0	0	0	0	0	10	10	5	high
Finch	Wyatt to Sportsman	separated bike lanes both sides	10	0	0	10	0	0	10	0	5	5	10	5	high
Fletcher	Lynwood to Isl. Ctr. Rd.	8'wide vertically separated path southbound	-5	10	10	10	0	0	10	5	5	5	-5	3	med
Fletcher	Isl. Ctr.Rd. to New Brook.	8' wide vertically separated path southbound	-5	10	0	10	10	0	10	5	5	5	5	4	med
Gravel shoulder program			0	0	0	0	0	0	0	0	0	0	0	0	low
grow	winslow to HS	sidewalks	10	10	10	10	10	10	10	10	0	5	10	8.5	high
High School	Fletcher to Sportsman	Visual separation of existing facilities both sides	-5	5	5	10	10	0	5	5	5	0	5	3.25	med
High School Rd	Mid block crosswalk (ACE hardw	crosswalk	10	10	10	10	0	0	0	10	0	0	10	5	high
Island Center Rd	Island Center to Twin Ponds	trail connection	-5	5	0	0	0	0	10	0	0	5	-5	0.5	low
Island-wide/Winslow Shuttle			10	10	10	10	0	0	0	0	0	10	10	5.5	high
Kalgreen Connector	rolling bay to Halilts	trail	0	0	0	0	0	0	10	0	0	5	5	2	low
Knechtel Trail Connector	305 to Knechtel	vineyard lane crossing at Knechtel and 305	10	10	5	10	10	10	0	10	5	5	10	7.5	high
Koura	Mandus to 305	Traffic calming	5	0	0	10	10	5	-5	5	5	0	5	3.5	med

Koura	Miller to Mandus	Traffic calming	5	0	0	10	10	5	-5	5	5	0	5	3.5	med
Land-use Code Updates			0	0	0	0	0	0	0	0	0	0	0	0	low
Lost Valley Trail		new trail	-5	5	0	10	0	5	10	5	5	5	5	3.25	med
Lovegreen	305 to new trail	off-road trail	5	5	5	10	0	5	-5	5	0	5	5	3.25	med
Lynwood Center Mobility Hub			-5	10	0	10	0	0	0	0	0	10	5	1.75	low
Lynwood Center Rd	Pt White to Fletcher	separated bike lanes both sides	-5	10	10	10	10	5	5	5	5	5	5	5	med
Madison	Winslow to 305	new sidewalks and bikelanes	10	10	10	10	10	0	10	10	0	5	10	7.5	high
Madison	Valley to Winther	Traffic calming	-5	5	5	10	10	0	-5	5	5	0	5	2.25	low
Madison	305 to Yaquina		5	10	5	10	5	5	-5	10	0	0	-5	2.75	med
Madison	Winther to Day	8'wide vertically separated path northbound; traffic calming	5	0	10	10	10	10	5	5	5	5	5	6.5	high
Maintenance Equipment			0	0	0	0	0	0	0	0	0	0	0	0	low
Maintenance Staff			0	0	0	0	0	0	0	0	0	0	0	0	low
Mandus Olson Trail	Koura to High School Rd	8' off-road gravel path	5	0	0	10	10	10	10	5	0	5	5	5.5	high
Mandus Olson Trail	Koura to Bergman	off-road path connecting Koura to Bergman via Yukio Ln and Minnie Rose Lane	5	10	0	10	10	0	10	5	0	5	5	5	med
Manitou	Loop to Falk	Traffic Calming, advisory shoulders	-5	10	0	10	10	0	-5	5	0	5	5	2	low
Manitou	305 to Loop	eastbound separated side path	-5	10	5	10	10	5	10	5	0	5	-5	3.5	med
Manzanita	Day to Pt. Madison	Traffic calming; advisory shoulder striping	5	0	0	10	10	5	-5	5	5	5	-5	3	med
Middle Schools	STO to Sportsman club to Bucsit	trail	5	10	10	10	0	5	10	10	5	5	-5	5.25	high
Miller	Tolo to Grand Forest	Traffic calming islands and crossing enhancements @ Forest to Sky Trail	5	10	0	10	10	0	-5	5	5	0	-5	2.5	low
Miller	Bergman to 305	6'wide vertically separated bike lanes both sides	5	10	5	10	10	5	5	10	5	5	-5	5.25	high
Mobility Manager			0	0	0	0	0	0	0	0	0	0	0	0	low
Moran Rd	Yaquina to Madison	improved shoulder northbound side	5	10	5	10	10	0	-5	10	5	0	5	4.25	med
Multi-modal level of service			0	0	0	0	0	0	0	0	0	0	0	0	low
Phelps	Day to Madison	shoulder/bike lanes	5	10	5	5	10	5	-5	5	5	0	-5	3.25	med
New Brooklyn	Fletcher to Sportsman	separated bike lanes both sides	5	10	10	10	10	0	-5	5	5	5	5	5	high
New Brooklyn	Sportsman to Madison	Widen existing side path for bi-directional travel	5	10	10	10	5	0	10	10	0	0	-5	4.25	med
Off-Road Easement Strategy			0	0	0	0	0	0	0	0	0	0	0	0	low
N Madison	Day to Phelps	paved shoulders 2 sides	5	0	10	10	0	10	-5	5	5	0	5	4	med
Pl. Beach	Oddfellows to Pt. White	Traffic calming; advisory shoulder striping	-5	10	0	10	10	0	-5	5	0	0	5	1.5	low
Project Manager			0	0	0	0	0	0	0	0	0	0	0	0	low
Pt White	Pleasant Beach to Crystal Spring	Traffic calming	-5	10	0	10	10	0	-5	5	0	0	5	1.5	low
Pt. White	lynwood to park	sidewalks	-5	10	0	10	10	0	10	5	0	0	-5	2	low
Safe Routes Program			5	0	10	0	0	0	0	0	0	10	10	3.75	med
Shepard Way Greenway	grow to weaver	greenway	10	10	10	10	0	0	10	10	0	0	10	6	high
Sound to Olympics - Planning South			0	0	0	0	0	0	0	0	0	0	0	0	low
Sound to Olympics Grant Match			0	0	0	0	0	0	0	0	0	0	0	0	low
Sound to Olympics/305 Advocacy			0	0	0	0	0	0	0	0	0	0	0	0	low
Sportsman	Finch to High School	Widen exist. side path for bi-directional travel; intersection improvements	5	0	5	10	10	10	10	5	5	0	5	6	high
Sportsman	High School to New Brooklyn	Widen existing side path for bi-directional travel; southbound visual separation	5	10	10	10	10	0	10	5	5	0	5	6	high
Sportsman	New Brooklyn to 305	Vertically separated bike lanes, 6'-wide northbound and both sides north of Sakai	5	10	10	10	10	10	5	5	5	5	5	7	high

		crossing enhancements, new multi-												
Sportsman/New Brooklyn		use sidewalks, side path extensions	5	10	10	10	0	0	0	5	5	0	5	4	med
STO Planning - North			0	0	0	0	0	0	0	0	0	0	0	0	low
		Traffic calming; gravel shoulder													
Sunrise	Valley to Lafayette	enhancement	5	10	0	10	10	0	-5	5	5	0	10	4	med
Torvanger	Sunrise to Madison	shoulder	5	0	0	10	0	5	-5	0	5	5	-5	1.75	low
Translate STP to Comp Plan			0	0	0	0	0	0	0	0	0	0	0	0	low
Transportation Commission			0	0	0	0	0	0	0	0	0	0	0	0	low
Updated Impact Fees			0	0	0	0	0	0	0	0	0	0	0	0	low
Valley	madison to 305	gravel shoulder	-5	5	0	10	10	5	-5	5	0	0	-5	0.75	low
		Vertically separated bike lanes, 6'-													
Valley	Madison to Sunrise	wide both sides	-5	10	0	10	10	10	10	5	0	5	5	4.5	med
Wardwell	New Brooklyn to Wardwell	8' off-road gravel path	5	10	10	10	10	0	10	5	5	5	-5	5.5	high
Wardwell	Wardwell to Lovgreen	8' off-road gravel path	5	5	5	10	10	5	10	5	5	5	5	6.25	high
		sidewalks, intersection													
Winslow Way	Grow to Wood	improvements	10	10	10	10	10	0	10	10	0	0	5	6.5	high
Wood Ave	parfitt to Winslow	sidewalks	10	10	10	10	10	5	10	10	0	0	5	7	high
Wyatt	Finch to Weaver	separated bike lanes both sides	10	5	0	10	10	0	10	5	0	5	10	6	high
		Infill sidepath north side; Weaver													
Wyatt	Weaver to Ashbury Ct	intersection improvements	10	10	5	10	10	0	10	5	0	5	10	6.75	high
Wyatt Way	Weaver to Finch	sidewalks	10	5	0	10	5	0	10	5	0	5	10	5.5	high
Yaquina	Ferncliff to 305	sidewalks	5	10	5	10	0	0	-5	10	0	0	5	2.75	med
Koura	Valley to Koura	305 crossing	-5	0	0	10	10	0	0	5	5	5	-5	1.5	low
Beach Crest Dr	305 crossing	formalize existing path	-5	5	0	10	10	0	0	5	5	5	-5	1.75	low
Winslow Way	Grow to Madison		10	10	10	10	10	5	10	10	0	0	5	7	high
Weaver	High School to Shepard		10	5	5	10	10	10	-5	5	0	5	10	6	high
Pl. Beach	Oddfellows to Ft. Ward Park		-5	5	0	10	10	0	-5	5	0	5	-5	0.75	low
Old Mill Rd	Blakely to Island Wood Trail		-5	5	10	10	10	0	-5	5	0	5	5	2.75	med
Old Mill Rd	Briar Rose Ln to Taylor Ave		-5	0	0	10	10	0	-5	5	0	5	-5	0.5	low
Madison	305 to Valley		-5	10	5	10	10	10	5	5	5	5	5	5	med
STO - Koura to Lovegreen	koura to lovegreen		5	5	5	10	10	0	10	5	5	5	-5	4.75	high
STO - Day to Hidden Cove	day to hidden cove		5	10	10	10	10	0	10	10	5	5	-5	5.75	high
STO - Pt. Madison to Agate Pass	pt madison to agate pass		5	0	0	10	0	0	10	5	5	5	-5	3	med
STO - High School to Madison (S	high school to madison		5	10	10	10	10	0	10	10	5	5	10	7.25	high
STO - Madison to Sportsman (m	madison to sportsman		5	10	10	10	10	0	10	10	5	5	5	6.75	high
STO - Sportsman to Koura (Meig	sportsman to koura		5	10	5	10	10	0	10	5	5	5	5	6	high
STO - Lovegreen to Day	lovegreen to day		5	10	10	10	0	0	10	10	5	5	-5	4.75	med
STO - Hidden Cove to Port Madi	hidden cove to port madison		5	5	0	10	10	0	10	5	5	5	-5	4.25	med
Miller	Peterson Hill to Miller		5	10	0	10	0	5	-5	5	5	0	5	3	med
Oddfellows	Pleasant Beach to Blakely		-5	5	0	10	10	0	-5	5	0	0	-5	0.25	low
Lafayette	Sunrise to Phelps		5	0	0	10	10	5	-5	5	5	0	5	3.5	med
Baker Hill Rd	Palamino to Crystal Springs		-5	0	0	10	10	0	-5	0	5	0	-5	0.25	low
Taylor Ave	Eagle Harbor to Old Mill		-5	10	0	10	10	0	-5	5	0	0	-5	0.5	low
McDonald	Eagle Harbor to Old Mill		-5	5	5	10	10	5	-5	0	0	0	-5	1	low
Eagle Harbor Dr	McDonald to Pritchard Park		-5	10	0	10	10	5	-5	5	5	0	5	2.5	low
Blakely Ave	school zone		-5	5	10	10	5	0	5	5	5	5	-5	2.75	med
Baker Hill Rd	Lynwood to Blakely		-5	10	10	10	10	10	10	5	0	5	5	5.5	high
Lofgren Rd	Yaquina to Moran		5	10	5	10	5	0	-5	10	5	0	-5	2.75	med
Blakely Ave	Country Club to Tani Creek		-5	0	0	10	10	0	10	5	5	5	-5	2.5	low
Grand Forest Connector	Miller to Sands Ave		5	10	0	10	10	5	10	0	5	5	-5	4.75	high
Sands/Sakai Connector	Sands to Sakai via Paulanna Ln		5	5	10	0	10	0	10	0	5	5	-5	4.5	med
Knechtel Trail Connector	Knechtel to Fir Acres		10	10	5	10	10	5	10	10	0	5	10	7.5	high
Wyatt	weaver		-5	0	0	10	10	0	10	5	5	5	-5	2.5	low

appendix j :
City Thread Accelerated Mobility Playbook

visit: https://www.bainbridgewa.gov/DocumentCenter/View/17548/City-Thread-Accelerated-Mobility-Playbook-Report-for-Bainbridge-Island---May-2023?bidId=

appendix k :
Sustainable Transportation & Greenhouse Gas Emissions Report

visit: https://www.bainbridgewa.gov/DocumentCenter/View/17823/FandP_VMT_GHG-Emissions_Final-Report_with_Appendix_August-2023?bidId=

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CITY OF
BAINBRIDGE ISLAND

CITY OF
BAINBRIDGE ISLAND

City Council Regular Business Meeting Agenda Bill
Tuesday, May 12, 2026

Agenda Item: (9:10 pm) Discuss Potential City Initiatives in Downtown During the Summer of 2026

Department: Executive

Agenda Section: Regular Business

Estimated Time: 10 Minutes

Recommendation:

I move to affirm City support of enhanced services designed to support tourism and downtown businesses in the summer of 2026.

Narrative:

The City of Bainbridge Island wishes to support downtown businesses and encourage use of transit by visitors and community members. We are proposing three targeted efforts in the summer of 2026 to enhance the downtown experience for tourists, local businesses and community members.

Shuttle Bus Service

Kitsap Transit has offered to partner with the City to pilot a free summer Saturday shuttle bus service connecting the ferry terminal, High School Road destinations and Winslow Way for 13 Saturdays in the summer (excluding July 4). The shuttle will offer frequent, reliable transportation, encouraging visitors to explore more of Bainbridge Island without the need for personal vehicles. This effort aims to

improve accessibility, reduce parking challenges, and boost local commerce by increasing foot traffic. The City will pay $11,500 (taken from the Climate/Sustainable Transportation budget); rides will be free to passengers. More details are provided in the attached memo from Kitsap Transit.

Additional Restroom Facilities

To accommodate increased visitor traffic and ensure comfort, staff suggest installing two additional restroom facilities in key downtown locations – Waterfront Park and near City Hall. These restrooms will provide convenient amenities for tourists and shoppers and reduce the requests to private businesses to make their restrooms available to the public. Final locations and prices are in development; the estimate for two locations for six weeks of continuous service is $20,000.

Benches/Flowers at 625 Winslow

At the intersection of Winslow Way and Highway 305, provide a total of three picnic tables and flower containers are planned.

These initiatives are designed to address immediate needs while supporting the long-term growth of tourism and local businesses on Bainbridge Island. Staff is asking for Council affirmation of City efforts to implement these services. No budget increase is requested.

Fiscal Impact:

Community Engagement and Outreach:

Attachments:

1. Kitsap Transit Winslow Circulator Pilot Proposal

MEMORANDUM

DATE: May 5, 2026
TO: Ellen Schroer, Interim City Manager, City of Bainbridge Island
FROM: Sanjay Bhatt, Marketing & Public Information Director, Kitsap Transit
SUBJECT: Request for Cost Estimate for Winslow Circulator Pilot

OVERVIEW

In several discussions with Kitsap Transit ("KT"), the City of Bainbridge Island has expressed interest in having Kitsap Transit operate a circulator in downtown Winslow, which is included in KT's Long-Range Transit Plan (2022-2042). With the City expecting a record number of visitors this summer – Seattle will host six of the 2026 FIFA Men's World Cup soccer matches – and a need for more mobility service in Winslow to support residents and visitors, Kitsap Transit is providing the City with an estimate of what it could cost to operate a pilot Winslow fixed-route circulator shuttle from 11 a.m. to 7 p.m. on Saturdays during its summer schedule (June 7-September 12). To ensure KT can provide *ACCESS* ADA paratransit service as required, the cost estimate includes an additional hour of BI Ride service. KT looks forward to continued collaboration with the City on a potential Winslow circulator service. Piloting a shuttle on Saturdays is a good way to evaluate potential demand.

If the City staff is interested in moving ahead with this proposed pilot for this summer, Kitsap Transit will need at least a written confirmation of funding support from the City **by Thursday, May 14**.

COST ESTIMATE SUMMARY

This estimate assumes the fixed-route circulator service ("Route 385 – BI Downtown") would operate on 13 Saturdays from June 7 through September 12, excluding July 4, given the closure of Winslow Way and Madison Avenue for festivities. Because the City is covering Kitsap Transit's costs, the service would be FREE for the public to use (fare-free shuttle). If the City wants to run the shuttle in future summers, these costs would be revised to reflect KT's current costs for drivers, vehicle maintenance, fuel, insurance and support staff.

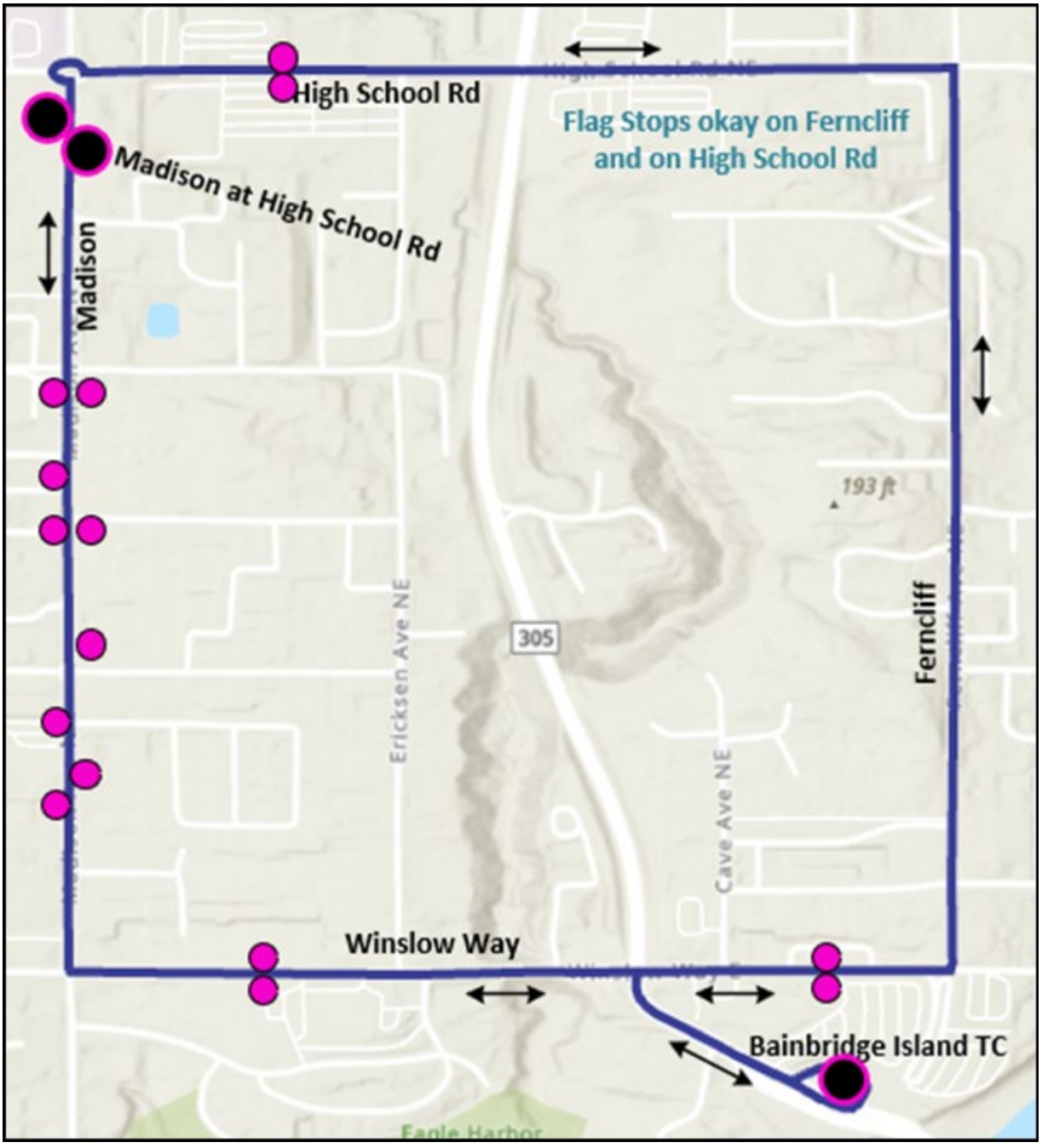
Item	KT Cost Estimate*	Explanation
New Winslow Circulator	$9,450.30	Routed operator wages/benefits, fuel, maintenance, and insurance.
Additional Dial-A-Ride service hour	$793.13	Dial-A-Ride operator wages/benefits, fuel, maintenance, and insurance.
Operations sub-total	$10,243.43	
Administrative overhead	$1,229.21	Costs to support extra service hours.
Total cost estimate for pilot	**$11,472.64**	For 13 Saturdays (11 AM-7 PM, 6/7-9/12)

**Figures rounded to nearest dollar.*

ROUTE PATTERN

The fixed-route bus would serve Bainbridge Island Ferry Terminal and existing bus stops on Winslow Way, Madison Avenue and High School Road. In addition, the bus operator would stop to pick up riders on High School Road and Ferncliff who wave the bus down ("flag stops").

The route will follow an alternating pattern to ensure the bus can meet Washington State Ferries before they depart or after they arrive.



ROUTE SCHEDULE

The bus will follow an alternating pattern, which may require riders to cross the street to catch the shuttle. The first two trips departing from the Ferry Terminal will follow the route to Madison Avenue, traveling clockwise. For the rest of the trips, the shuttle will alternate between traveling the entire route counter-clockwise and then clockwise. This pattern is designed to serve demand generated by Washington State Ferries arrivals and reduce on-board time for riders trying to get to their destination.

385 - BI Downtown Alternating

Saturdays Downtown Circular

Runcards	Ferry Arr	Bainbridge Island TC		Madison & High School Rd	Madison & High School Rd		Bainbridge Island TC	Ferry Dep
BID_SA	10:10 AM	11:00 AM	To Madison	11:05 AM	11:05 AM	To Ferncliff	11:14 AM	11:35 AM
BID_SA	11:15 AM	11:25 AM	To Madison	11:30 AM	11:30 AM	To Ferncliff	11:39 AM	
BID_SA		11:55 AM	To Femcliff	12:01 PM	12:01 PM	To Madison	12:08 PM	12:20 PM
BID_SA	12:00 PM	12:10 PM	To Madison	12:15 PM	12:15 PM	To Ferncliff	12:24 PM	
BID_SA		1:00 PM	To Femcliff	1:06 PM	1:06 PM	To Madison	1:13 PM	1:20 PM
BID_SA	1:05 PM	1:15 PM	To Madison	1:20 PM	1:20 PM	To Ferncliff	1:29 PM	
BID_SA		1:45 PM	To Femcliff	1:51 PM	1:51 PM	To Madison	1:58 PM	2:10 PM
BID_SA	1:50 PM	2:00 PM	To Madison	2:05 PM	2:05 PM	To Ferncliff	2:14 PM	
BID_SA		2:40 PM	To Femcliff	2:46 PM	2:46 PM	To Madison	2:53 PM	3:00 PM
BID_SA	2:45 PM	2:55 PM	To Madison	3:00 PM	3:00 PM	To Ferncliff	3:09 PM	
BID_SA		3:35 PM	To Femcliff	3:41 PM	3:41 PM	To Madison	3:48 PM	3:55 PM
BID_SA	3:40 PM	3:50 PM	To Madison	3:55 PM	3:55 PM	To Ferncliff	4:04 PM	
BID_SA		4:20 PM	To Femcliff	4:26 PM	4:26 PM	To Madison	4:33 PM	4:40 PM
BID_SA	4:25 PM	4:35 PM	To Madison	4:40 PM	4:40 PM	To Ferncliff	4:49 PM	
BID_SA		5:15 PM	To Femcliff	5:21 PM	5:21 PM	To Madison	5:28 PM	5:35 PM
BID_SA	5:20 PM	5:30 PM	To Madison	5:35 PM	5:35 PM	To Ferncliff	5:44 PM	
BID_SA		6:05 PM	To Femcliff	6:11 PM	6:11 PM	To Madison	6:21 PM	6:30 PM
BID_SA	6:10 PM	6:20 PM	To Madison	6:25 PM	6:25 PM	To Ferncliff	6:34 PM	
BID_SA		6:44 PM	To Femcliff	6:50 PM	6:50 PM	To Madison	7:00 PM	7:15 PM

Customers who use the Winslow circulator may find it helpful to connect with additional KT bus services operating on Saturdays – **Route 390-Poulsbo/Bainbridge** and **BI Ride**. These bus services do require riders to pay fare. Route 390 operates seven days a week and will make stops and pick-ups along Highway 305. BI Ride has timed departures from Winslow Way, Kitsap Regional Library (Bainbridge branch), Coppertop Park and Bloedel on Saturdays (see schedule).

If you have any questions about this cost estimate or would like to schedule a follow-up call, please contact me at SanjayB@kitsaptransit.com or (360) 824-4926. Thank you.

CITY OF
BAINBRIDGE ISLAND

City Council Regular Business Meeting Agenda Bill
Tuesday, May 12, 2026

Agenda Item: (9:20 pm) Consider Creation of a Council Subcommittee to Collaborate with Washington Department of Transportation on Highway 305/High School Road Roundabout Options

Department: City Council

Agenda Section: Regular Business

Estimated Time: 10 Minutes

Recommendation:

Discussion and possible action:
I move to appoint Councilmembers _____, _____, and _____ to a Council subcommittee to collaborate with the Washington Department of Transportation on the High School Road/Hwy 305 roundabout.

Narrative:

At the April 28 City Council business meeting, Council agreed to discuss the creation of a Council subcommittee to collaborate with the Washington Department of Transportation on the High School Road/Hwy 305 roundabout. A draft Scope of Work for the subcommittee can be reviewed at the first subcommittee meeting and presented to the City Council at a future meeting.

Fiscal Impact:

Community Engagement and Outreach:

Attachments:

None

CITY OF
BAINBRIDGE ISLAND

City Council Regular Business Meeting Agenda Bill
Tuesday, May 12, 2026

Agenda Item: (9:30 pm) Consider Authorization of City of Bainbridge Island Letter of Support for the North Kitsap District Court

Department: City Council

Agenda Section: Regular Business

Estimated Time: 5 Minutes

Recommendation:

I move to authorize staff to create a letter of support to be signed by the Mayor in support of the North Kitsap District Court.

Narrative:

Councilmember Mathews requested we join in support by creating a letter of support similar to the letter from City of Poulsbo (attached).

Fiscal Impact:

Community Engagement and Outreach:

Attachments:

1. 20260420 Kitsap County Commissioners - North Kitsap District Court

City of Poulsbo

Office of Mayor Edward (Ed) Stern

April 20, 2026

Kitsap County Commissioners
614 Division Street, MS4
Port Orchard, WA 98336

Dear Commissioners Root, Rolfes and Walters:

On behalf of the City of Poulsbo, I am reaching out to formerly request that Kitsap County conduct the due diligence and analysis required to consider the reestablishment of District Court Services in Poulsbo/North Kitsap County.

Ever since the retraction of District Court services during the Great Recession, North Kitsap residents have had to bear the disproportionate burden of travel to access the justice system. North – South transportation, while having some improvements over the years, continues to be wholly inadequate to the timely access if one does not have the means to provide their own transportation.

One could argue that this North Kitsap resource would benefit residents from Silverdale north to Port Gamble, Hansville, Kingston, Indianola, Bainbridge Island and all points in between.

Do rest assured that the City of Poulsbo remains a committed partner and stands ready to support and host this much-needed resource for our community. In encouraging a full feasibility study by the County, we note that our City Hall, constructed in 2010, was designed to fully accommodate a North District Court—continuing a function previously housed at the former City Hall for over a quarter century.

We are eager to work with you on this effort, alongside the surrounding jurisdictions, as reflected in their letters of support.

Sincerely,

Edward R. Stern, Mayor

Cc: PMC Judge, Rob Davy
PMC Administrator, Amy Knutsen
Poulsbo City Council Members
Rob Gelder, City Administrator

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