



City of Bothell™

April 5, 2021

Jerome Cruz, Ecology Site Manager
Department of Ecology,
Northwest Regional Office Toxic Cleanup Program
3190 160th Avenue SE
Bellevue, Washington 98008-5452

Re: Quarterly Progress Report for period ending March 2021

Site Name: **BOTHELL SERVICE CENTER/ SIMON & SON**
Site Address: 18107 Bothell Way NE, Bothell WA 98011
Parcel Numbers: 237420-0065
Facility/Site No.: 33215922
Consent Decree No.: 18-2-02852-3 SEA (Effective date February 2, 2018)

Reporting Period: January - March 2021

Summary:

City of Bothell (PLP) continues to make progress on work being performed for the Bothell Service Center site (BSCSS), in accordance with the Consent Decree (CD) with the Department of Ecology.

Per the requirements of Section XI of the Consent Decree "Progress Reports", the attached quarterly progress report has been prepared for the three-month period preceding this submittal to satisfy the terms described in the Consent Decree.

During this period the work has been geared towards continued operation of the bio-remediation system and quarterly groundwater sampling. There was also coordination work done between the prospective Lot D developer, the City and Ecology.

The attached progress report provides an update on work accomplished for the period ending March 31, 2021. Please contact me if you have any questions.

Sincerely,

Nduta Mbutia

Nduta Mbutia
Project Coordinator, City of Bothell

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City of Bothell™

Reporting Period: Jan - Mar 2021
Date submitted (electronically): Jan 4, 2021
Date mailed (certified w/return receipt): *(deferred due to COVID-19 Stay at Home Order)*
Prepared by: Nduta Mbuthia, Project Coordinator
City of Bothell, Public Works Department
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A. A list of on-site activities that have taken place during this quarter

- Continued operation of the bio-remediation system
- Groundwater sampling was completed in winter 2021; analytical data is attached
- Continued coordination with Ecology site manager; compared to existing remediation injection and extraction well, and groundwater and prospective Lot D developer Trammel Crow to discuss existing locations of bioremediation injection and groundwater extraction wells, and groundwater performance monitoring wells compared to proposed development plan.

B. Detailed description of any deviations from required tasks not otherwise documented in project plans or amendment requests:

None

C. Description of all deviations from the CAP (Exhibit C) and Schedule (Exhibit D) during the current quarter and any planned deviations in the upcoming quarter:

N/A

D. For any deviations in schedule, a plan for recovering lost time and maintaining compliance with the schedule:

None. The GW compliance monitoring schedule below received Ecology site manager's concurrence:-

Q1 - Winter 2019: March 5, 2019 - March 15, 2019

Q2 - Spring 2019: May 20, 2019 - June 3, 2019

Q3 - Summer 2019: July 15, 2019 - August 5, 2019

Q4 - Fall 2019: October 7, 2019 - October 25, 2019

Q5 - Winter 2020: January 6, 2020 - January 20, 2020

Q6 - Spring 2020: Week of April 6, 2020 through week of April 20, 2020

Q7 - Summer 2020: Week of July 6, 2020 through week of July 20, 2020

Q8 - Fall 2020: Week of October 5, 2020 through week of October 19, 2020

Q9 - Winter 2021: Week of March 1, 2021

E. All raw data (including laboratory analyses) received by Defendants during the past quarter and an identification of the source of the sample:

GW monitoring quarter sampling results attached

F. A list of deliverables for the upcoming quarter if different from the schedule:

Same as the updated schedule

Attachments

- Updated Exhibit D from the CD (8-13-19)
- Groundwater sampling table and data - Winter 2021

Exhibit D
Site Schedule of Work and Deliverables

| Deliverables | | Due (Calendar Days) |
|------------------------------|---|---|
| A. Administrative | | |
| A.1 | Consent Decree entered by the King County Superior Court (Effective Date of the CD) | Within 5 days of the execution by the Parties |
| A.2 | Notification of selected contractor name and qualifications | Within 5 days of the effective date of Consent Decree (A.1) |
| A.3 | Progress Reports | Quarterly on the 10 th of the month beginning after the effective date of the Consent Decree (A.1) |
| A.4 | Financial Assurances – submit cost estimate for Ecology review and approval | Within 60 days of the effective date of Consent Decree |
| A.5 | Financial Assurances - provide proof of financial assurances | Within 60 days after Ecology approves cost estimate (A.4) |
| B. Design | | |
| B.1 | Draft Pre-Remedial Design (PRDI) Project Plans ² | Within 5 days of the effective date of Consent Decree (A.1) |
| B.2 | Draft PRDI Data Report and Draft Engineering Design Report (EDR) ³ | Within 5 days of Ecology approval of Final PRDI Project Plans (B.1) |
| B.3 | Final PRDI Data Report and EDR Report | Within 5 days of receipt of Ecology's comments on the Draft PRDI Data and EDR Reports (B.2) |
| B.4 | 90 % Plans and Specs [per WAC 173-340-400(4)(b)] | Within 5 days of receipt of Ecology comments on Final EDR Report (B.3) |
| B.5 | 100 % Plans and Specs | Within 5 days of receipt of Ecology comments on 90 % plans and specifications (B.4) |
| C. Field Construction | | |
| C.1 | Complete Construction Procurement | Within 5 days of completion of the 100% plans and specifications (B.1) |
| C.2 | ERH System installation | Within 2 months of the effective date of Consent Decree |
| | ERH Operation | Within 6 to 8 months of the effective date of Consent Decree |
| C.3 | Start install and begin operation of bioremediation-groundwater recirculation/SVE systems | Within 2 months of the effective date of Consent Decree |
| C.4 | Install compliance monitoring well network | Within 2 months of the effective date of Consent Decree |
| C.5 | Complete Construction | Within 2 months of the effective date of Consent Decree |
| C.6 | ERH soil performance sampling | Within 6 to 8 months of the effective date of Consent Decree |
| C.7 | Contingent soil excavation in ERH treatment area | Within 6 to 9 months of the ERH system shutdown |

| | | |
|----------------------------------|---|---|
| C.8 | Decommission ERH; install and operate SVE system | Within 4 to 6 weeks of ERH system final shutdown. SVE system operation beginning March 2019. |
| C.9 | Cleanup Action Report and As-Built Drawings and Report; Draft Environmental Covenant(s); and an updated Title Report | Within 60 days of decommission of SVE systems |
| D. Post Construction Work | | |
| D.1 | Final Environmental Covenant(s) | Within 30 days of receipt of Ecology comments on the Draft Environmental Covenant(s). |
| D.2 | Record Final Environmental Covenant(s) with King County Auditor | Within 5 days after completion of the Final Environmental Covenant or Ecology's signature as grantee of the Final Environmental Covenant(s), whichever occurs last. |
| D.3 | Performance Groundwater Monitoring Quarterly Performance Monitoring Biannual Performance Monitoring | Quarterly performance monitoring for one year starting Summer 2019; Biannual performance monitoring until PCE, and its breakdown products reach their applicable cleanup levels in the selected performance monitoring wells provided in CAP |
| D.4 | Decommission Bioremediation/Groundwater Recirculation system | Upon attainment of cleanup levels in performance monitoring wells |
| D.5 | Indoor Air Sampling (two rounds) | 1st round - post-construction and pre-occupation of buildings 2nd round - upon completion of Groundwater Closure report per Section 7.0 of the BSCSS Final CAP |
| D.6 | Groundwater Confirmation Monitoring Quarterly Compliance Monitoring | Quarterly for two years following completion of performance monitoring. As described in CAP, contingency of an additional year of quarterly sampling if cleanup levels not attained. After one additional year, if COC groundwater cleanup levels have not been reached, include a 5-year compliance sampling event for the duration of the environmental covenant. |
| D.7 | As Built Drawings and Report of vapor intrusion mitigation measures (vapor barrier and passive venting systems), and other engineering and institutional controls (if any). | Within 30 days of the City's receipt from the developer |
| D.8 | Five Year Compliance Monitoring and Periodic Review reports | To follow Groundwater compliance monitoring (D.6). Groundwater monitoring required once every five years for the duration of the institutional controls on groundwater (if present) under the environmental covenant. |

- 1) *Schedule is in calendar days. Deliverable due date may be modified with Ecology concurrence without amendment to the Consent Decree.*
- 2) *Project Plans include the following: Work Plan, Sampling and Analysis Plan, Quality Assurance Project Plan, and Health and Safety Plan, to be submitted for Ecology review and approval. All plans will include a schedule for implementation as applicable.*
- 3) *The Engineering Design Report includes: a Construction Quality Assurance Project Plan, a Compliance Monitoring and Contingency Response Plan, Proposed Best Management Practices, Water Quality Monitoring Plan, and Substantive Requirements of Procedurally Exempt Permits. Ecology will not approve the Final EDR until the required permits have been obtained.*

Table 1
Bothell Service Center Simon Son
Groundwater Analytical Results

| Well | Well Type and Water Bearing Zone | Screened Depth, (ft bgs) | Top of Casing (TOC) Elevation (feet)* | Date Sampled | Depth to Water (ft below TOC) | GW Elevation (feet) | Sampled By | PCE (µg/L) | TCE (µg/L) | (cis) 1,2-DCE (µg/L) | Vinyl Chloride (µg/L) | pH (units) | Temp (°C) | Conductivity (µS) | Dissolved Oxygen (mg/L) | Oxidation Reduction Potential (mV) | Dissolved Iron (ug/L) | Sulfate (mg/L) | Chloride (mg/L) | Ammonia as N (mg/L) | Methane (mg/L) | Ethane (mg/L) | Ethene (mg/L) | Total Organic Carbon (mg/L) | | | | |
|----------|----------------------------------|--------------------------|---------------------------------------|--------------|-------------------------------|---------------------|------------|------------|------------|----------------------|-----------------------|------------|-----------|-------------------|-------------------------|------------------------------------|-----------------------|----------------|-----------------|---------------------|----------------|---------------|---------------|-----------------------------|--------|--------|------|-----|
| MW-1 | Shallow Decommissioned | 5 to 20 | 46.952 | 3/16/01 | | | ERM | 113 | 38.3 | 28.1 | <1.0 | | | | | | | | | | | | | | | | | |
| | | | | 7/13/01 | | | ERM | 23.7 | 10.3 | 4.82 | <1.0 | | | | | | | | | | | | | | | | | |
| | | | | 10/26/01 | | | ERM | 8.71 | 2.84 | 1.29 | <1.0 | | | | | | | | | | | | | | | | | |
| | | | | 12/2/02 | | | ERM | 239 | 380 | 1,200 | <1.0 | | | | | | | | | | | | | | | | | |
| | | | | 10/1/02 | | | Farallon | 6.8 | 6.4 | 17 | | | | | 6.5 | | 196.0 | 1.14 | 13.8 | | | | | | | | | |
| | | | | 4/27/05 | | | Farallon | 2,600 | 80 | 53 | | | | | 6.7 | | 201.0 | 3.02 | 97.6 | | | | | | | | | |
| | | | | 8/15/05 | | | Farallon | 12,000 | <50 | <50 | | | | | | | | | | | | | | | | | | |
| | | | | 8/14/06 | | | Farallon | 18,000 | <200 | <200 | | | | | 5.9 | | 284.0 | 0.9 | 499 | | | | | | | | | |
| | | | | 5/14/07 | | | Farallon | 12,000 | <50 | 63 | | | | | 6.1 | | 249.0 | 2.27 | 448 | | | | | | | | | |
| | | | | 11/27/07 | | | Farallon | 11,000 | <100 | <100 | | | | | 6.6 | | 233.0 | 4.87 | 135 | | | | | | | | | |
| | | | | 8/26/08 | | | Farallon | 23,000 | <200 | <200 | | | | | 6.3 | | 189.0 | 1.87 | 175 | | 22 | | | 13.1 | <1.2 | <1.1 | 3.25 | |
| | | | | 1/9/09 | | | Farallon | 450 | 10 | 6.6 | | | | | 6.3 | | 88.0 | 10.5 | 120 | | 8.8 | | | <0.5 | <0.5 | <0.5 | 2.95 | |
| | | | | 6/11/09 | | | Farallon | 17,000 | <100 | <100 | | | | | 6.1 | | 242.0 | 2.32 | 80.1 | | 18 | | | 8.6 | <0.5 | <0.5 | 2.2 | |
| | | | | 9/14/09 | | | Farallon | 31,000 | <200 | <200 | | | | | 6.3 | | 328.0 | 0.74 | 158 | | 21 | | | 28 | <2.5 | <2.5 | 3.7 | |
| | | | | 5/27/10 | | | Farallon | 23,000 | <100 | <100 | <100 | | | | 6.4 | | 200.0 | 2.26 | 58.4 | | | | | | | | | |
| | | | | 9/9/10 | | | Farallon | 24,000 | <200 | <200 | <200 | | | | 6.8 | | 249.0 | 0.38 | 0.3 | | 20 | | | | 14 | <1.0 | <1.0 | 2.6 |
| | | | | 6/10/11 | | | Farallon | 1,900 | 42 | 52 | <10 | | | | 6 | | 141.0 | 5.6 | 39.3 | | 13 | | | 1.1 | <0.5 | <0.5 | 4.3 | |
| | | | | 3/21/13 | | | DOF | 8,000 | 56 | 81 | <0.2 | | | | 6.7 | | 203.0 | 5.5 | 68.4 | | | | | 4.5 | <1.2 | <1.1 | 11.8 | |
| | | | | 4/4/14 | | | DOF | 270 | 16 | 49 | <0.02 | | | | 7.1 | | 117.0 | 5.5 | -14 | | | | | <0.7 | <1.2 | <1.1 | 8.28 | |
| | | | | 10/10/14 | | | DOF | 28,000 | 160 | 140 | <2.0 U | | | | 6.3 | | 348.0 | 0.3 | 18.6 | | | | | 36.8 | <1.2 U | <1.1 U | 3.15 | |
| | | | | 11/11/15 | 10.07 | 36.92 | HWA | 14,000 | 92 | 87 | <50 | | | | 6.06 | | 341.0 | 3.89 | 80.4 | | 19 | | | 0.76 | <0.50 | <0.50 | 2.9 | |
| 9/21/16 | 9.14 | 37.81 | Kane | 6,700 | 170 | 610 | 160 | | | | 6.29 | | 325.0 | | | | | | | | | | | | | | | |
| 10/25/16 | 7.72 | 39.23 | Kane | 160 | 6.6 | 16 | <2.0 | | | | 6.33 | 18.4 | 202.0 | | | | | | | | | | | | | | | |
| MW-2 | Shallow Decommissioned | 5 to 20 | 48.897 | 3/16/01 | | | ERM | 13,800 | 834 | 106 ES | <1.0 | | | | | | | | | | | | | | | | | |
| | | | | 7/13/01 | | | ERM | 419 | 16.4 | <1.0 | <1.0 | | | | | | | | | | | | | | | | | |
| | | | | 10/26/01 | | | ERM | 532 | <20.0 | <20.0 | <20.0 | | | | | | | | | | | | | | | | | |
| | | | | 2/12/02 | | | ERM | 81.5 | 8.08 | <1.0 | <1.0 | | | | | | | | | | | | | | | | | |
| | | | | 10/1/02 | | | Farallon | 18 | 0.65 | <0.2 | <0.2 | | | 6.4 | | 319.0 | 0.89 | -30 | | | | | | | | | | |
| | | | | 4/27/05 | | | Farallon | 2,600 | 44 | <10 | <10 | | | 5.8 | | 319.0 | 0.42 | 149.2 | | | | | | | | | | |
| | | | | 8/15/05 | | | Farallon | 29,000 | <200 | <200 | | | | | | | | | | | | | | | | | | |
| | | | | 8/14/06 | | | Farallon | 32,000 | 300 | 240 | | | | | 5.8 | | 317.0 | 0.97 | 478.5 | | | | | | | | | |
| | | | | 5/14/07 | | | Farallon | 6,100 | 40 | 38 | | | | | 6 | | 264.0 | 0.7 | 479.8 | | | | | | | | | |
| | | | | 11/27/07 | | | Farallon | 38,000 | <200 | <200 | | | | | 6.5 | | 300.0 | 1.18 | 117.8 | | | | | | | | | |
| | | | | 8/26/08 | | | Farallon | 500 | 200 | 2,300 | | | | | 6.4 | | 286.0 | 2.26 | -69.2 | | 5.3 | | | 1330 | <1.2 | <1.1 | 25.9 | |
| | | | | 1/8/09 | | | Farallon | 270 | 550 | 290 | | | | | 6.5 | | 296.0 | 0.56 | 24.7 | | 7.3 | | | 500 | <50 | <50 | 6.36 | |
| | | | | 6/11/09 | | | Farallon | 1,100 | 1,400 | 1,700 | | | | | 6.3 | | 294.0 | 0.73 | 60.9 | | 8.5 | | | 4400 | <500 | <500 | 6.4 | |
| | | | | 9/14/09 | | | Farallon | 1,700 | 2,200 | 7,800 | | | | | 6.3 | | 323.0 | 0.68 | 147.5 | | 12 | | | 3800 | <500 | <500 | 13 | |
| | | | | 5/27/10 | | | Farallon | 240 | <60 | 12,000 | 70 | | | | 6.1 | | 512.0 | 0.31 | -15.9 | | | | | | | | | |
| | | | | 9/9/10 | | | Farallon | <200 | <200 | 6,400 | <200 | | | | 6.5 | | 420.0 | 0.21 | -49.3 | | <5 | | | 9700 | <500 | <500 | 39 | |
| | | | | 6/10/11 | | | Farallon | 150 | 1,100 | 11,000 | 3,200 | | | | 6.2 | | 809.0 | 0.34 | -101.4 | | <10 | | | 5200 | <380 | 680 | 71 | |
| | | | | 3/20/13 | | | DOF | 540 | 690 | 14,000 | 830 ES | | | | 7.4 | | 561.0 | 0.31 | -111 | | | | | 15900 | <1.2 | 1240 | 27 | |
| | | | | 4/7/14 | | | DOF | 390 | 630 | 5,300 | 850 | | | | 7.2 | | 320.0 | 0.3 | -352 | | | | | 14500 | <1.2 | 388 | 8.26 | |
| | | | | 10/10/14 | | | DOF | 320 | 93 | 8,900 | 1,900 | | | | 6.2 | | 382.0 | 0.2 | -117 | | | | | 9760 | <1.2 U | 349 | 7.49 | |
| | | | | 11/11/15 | 10.17 | 38.74 | HWA | 2,400 | 4,100 | 15,000 | 1,200 | | | | 5.78 | | 463.0 | 0.00 | -85.9 | | 39 | | | 5900 | <380 | 580 | 11 | |
| 9/23/16 | 9.89 | 39.01 | Kane | 8.1 | 6.6 | 8.1 | 6.6 | | | | 6.59 | | 241.0 | | | | | | | | | | | | | | | |
| 11/1/16 | 8.31 | 40.59 | Kane | 8.3 | 6.1 | 10 | 11 | | | | 6.31 | 15.3 | 244.0 | | | | | | | | | | | | | | | |
| MW-3 | Shallow | 5 to 20 | 47.957 | 3/16/01 | | | ERM | <1.0 | <1.0 | <1.0 | <1.0 | | | | | | | | | | | | | | | | | |
| | | | | 10/26/01 | | | ERM | <1.0 | <1.0 | <1.0 | <1.0 | | | | | | | | | | | | | | | | | |
| | | | | 2/12/02 | | | ERM | <1.0 | <1.0 | <1.0 | <1.0 | | | | | | | | | | | | | | | | | |
| | | | | 10/1/02 | | | Farallon | 0.37 | <0.2 | <0.2 | | | | 5.9 | | 284.0 | 1.12 | 30.8 | | | | | | | | | | |
| | | | | 4/27/05 | | | Farallon | <0.2 | <0.2 | <0.2 | | | | 5.5 | | 275.0 | 0.96 | 132 | | | | | | | | | | |
| | | | | 8/14/06 | | | Farallon | <0.2 | <0.2 | <0.2 | | | | 5.8 | | 307.0 | 1.95 | 456 | | | | | | | | | | |
| | | | | 5/14/07 | | | Farallon | <1.0 | <0.2 | <0.2 | | | | 5.7 | | 264.0 | 1.75 | 408 | | | | | | | | | | |
| | | | | 11/27/07 | | | Farallon | <1.0 | <0.2 | <0.2 | | | | 6.2 | | 330.0 | 0.76 | 78 | | | | | | | | | 2.47 | |
| | | | | 8/25/08 | | | Farallon | <0.2 | <0.2 | <0.2 | | | | 5.9 | | 172.0 | 2.88 | 374 | | 18 | | | | <1 | <1.2 | <1.1 | 2.58 | |
| | | | | 4/7/14 | | | DOF | <0.2 | <0.2 | <0.2 | <0.02 | | | 6.4 | | 192.0 | 0.7 | -71 | | | | | | 2960 | <1.2 | <1.1 | 4.17 | |
| | | | | 10/10/14 | | | DOF | 0.39 | <0.2 U | <0.2 U | <0.02 U | | | 5.7 | | 339.0 | 0.3 | -0.9 | | | | | | 1570 | <1.2 U | <1.1 U | 9.82 | |
| | | | | 9/23/16 | 8.26 | 39.70 | Kane | 0.22 | <0.20 | <0.20 | <0.20 | | | 6.10 | | | 243.0 | | | | | | | | | | | |
| | | | | 11/1/16 | 6.87 | 41.09 | Kane | <0.20 | <0.20 | <0.20 | <0.20 | | | 6.00 | 16.1 | | 305.0 | | | | | | | | | | | |
| 7/17/18 | 7.95 | 40.01 | Kane | <1.00 | <0.50 | <1.00 | <0.20 | | | 6.30 | 17.2 | | 144.0 | 11.37 | | | | | | | | | | | | | | |
| 9/11/18 | 8.69 | 39.27 | Kane | <1.00 | <0.50 | <1.00 | <0.20 | | | 6.20 | 18.9 | | 118.0 | 6.23 | 116.9 | <100 | 19 | 2.94 | <0.100 | <0.00863 | <0.0162 | <0.0151 | 2.37 | | | | | |

Table 1
Bothell Service Center Simon Son
Groundwater Analytical Results

| Well | Well Type and Water Bearing Zone | Screened Depth, (ft bgs) | Top of Casing (TOC) Elevation (feet)* | Date Sampled | Depth to Water (ft below TOC) | GW Elevation (feet) | Sampled By | PCE (µg/L) | TCE (µg/L) | (cis) 1,2-DCE (µg/L) | Vinyl Chloride (µg/L) | pH (units) | Temp (°C) | Conductivity (µS) | Dissolved Oxygen (mg/L) | Oxidation Reduction Potential (mV) | Dissolved Iron (ug/L) | Sulfate (mg/L) | Chloride (mg/L) | Ammonia as N (mg/L) | Methane (mg/L) | Ethane (mg/L) | Ethene (mg/L) | Total Organic Carbon (mg/L) | |
|------|----------------------------------|--------------------------|---------------------------------------|--------------|-------------------------------|---------------------|------------|------------|------------|----------------------|-----------------------|------------|-----------|-------------------|-------------------------|------------------------------------|-----------------------|----------------|-----------------|---------------------|----------------|---------------|---------------|-----------------------------|------|
| | | | | 8/14/06 | | | Farallon | 24,000 | 1,100 | 1,500 | | 5.8 | | 335.0 | 1.06 | 483 | | | | | | | | | |
| | | | | 5/14/07 | | | Farallon | 17,000 | 860 | 1,300 | | 6 | | 296.0 | 2.18 | 471 | | | | | | | | | |
| | | | | 11/27/07 | | | Farallon | 22,000 | 940 | 1,300 | | 6.6 | | 285.0 | 2.75 | 149 | | | | | | | | | |
| | | | | 8/26/08 | | | Farallon | 25,000 | 1,200 | 1,200 | | 6.1 | | 256.0 | 2.34 | 273 | | 23 | | | | 8.2 | <1.2 | <1.1 | 3.12 |
| | | | | 1/9/09 | | | Farallon | 12,000 | 610 | 440 | | 6.5 | | 190.0 | 4.94 | 115 | | 15 | | | | 2.9 | <0.5 | <0.5 | 2.54 |
| | | | | 6/11/09 | | | Farallon | 20,000 | 780 | 710 | | 6 | | 270.0 | 1.96 | 98 | | 20 | | | | 8 | <0.5 | <0.5 | 2.1 |
| | | | | 9/14/09 | | | Farallon | 23,000 | 1,200 | 870 | | 6.3 | | 315.0 | 0.74 | 158 | | 23 | | | | 8.8 | <0.5 | <0.5 | 3.1 |
| | | | | 2/25/10 | | | Farallon | 17,000 | 730 | 450 | <100 | 6.4 | | 176.0 | 2.49 | 170 | | | | | | | | | |
| | | | | 5/27/10 | | | Farallon | 13,000 | 480 | 320 | <60 | 6.6 | | 250.0 | 0.3 | 38.1 | | | | | | | | | |
| | | | | 9/10/10 | | | Farallon | 860 | 430 | 8,300 | <50 | 6.6 | | 492.0 | 0.34 | -67.2 | | <5 | | | | 64 | <6.0 | <6.0 | 19 |
| | | | | 6/10/11 | | | Farallon | 460 | 72 | 2,100 | <20 | 6.5 | | 561.0 | 0.44 | -178 | | <5 | | | | 490 | <50 | <50 | 33 |
| | | | | 3/20/13 | | | DOF | 500 | 140 | 9,600 | 56 ES | 7.3 | | 444.0 | 0 | -144 | | | | | | 5790 | <1.2 | 2 | 12.3 |
| | | | | 4/4/14 | | | DOF | 950 | 220 | 240 | 19 | 6.8 | | 243.0 | 0.4 | -142 | | | | | | 1620 | <1.2 | <1.1 | 12.9 |
| | | | | 10/10/14 | | | DOF | 73 | 28 | 6,600 | 2,700 | 6.6 | | 623.0 | 0.3 | -139 | | | | | | 6220 | <1.2 U | 1200 | 19.3 |
| | | | | 11/11/15 | 10.23 | 36.98 | HWA | 26 | <20 | 3,800 | 2,900 | 6.37 | | 749.0 | 0.00 | -110.1 | | <10 | | | | 3400 | <250 | 850 | 11 |
| | | | | 9/23/16 | 9.31 | 37.83 | Kane | 240 | 69 | 10,000 | 2,400 | 6.81 | | 559.0 | | | | | | | | | | | |
| | | | | 10/27/16 | 7.87 | 39.27 | Kane | <50 | <50 | 9,500 | 1,900 | 6.60 | 17.5 | 410.0 | | | | | | | | | | | |
| | | | | 7/17/18 | 8.92 | 38.22 | Kane | 27.4 | 14.3 | 4,480 | 851 | 6.91 | 20.3 | 365.0 | 0.00 | | | | | | | | | | |
| | | | | 9/18/18 | 9.51 | 37.63 | Kane | 738 | 238 | 2,620 | 472 | 6.39 | 34.8 | 383.0 | 0.07 | -42.6 | 6,340 | 20.1 | 14.2 | 0.162 | 0.666 | <0.062 | 0.0596 | 9.01 | |
| | | | | 12/21/18 | 8.79 | 38.35 | Kane | 2,670 | 1,000 | 2,560 | 25.5 | 5.96 | 49.4 | 378.0 | 0.23 | -65.4 | 5,260 | 8.68 | 11.2 | 0.413 | 0.0808 | <0.162 | <0.151 | 14.3 | |
| | | | | 2/22/19 | 7.79 | 39.35 | Kane | 1,820 | 568 | 1,040 | 14 | 6.16 | 42.6 | 295.1 | 0.15 | -52 | 5,800 | 13 | 7.69 | <0.10 | 0.706 | <0.0162 | <0.0151 | 13.2 | |
| | | | | 5/22/19 | 8.46 | 38.68 | Kane | 3,800 | 1,800 | 750 | <20 | 6.14 | 43.7 | 407.0 | 0.04 | -70.8 | 8,800 | <5.0 | 14 | 0.16 | 1 | 0.0012 | <0.0005 | 20 | |
| | | | | 7/25/19 | 9.06 | 38.08 | Kane | 3,600 | 1,100 | 490 | 7.4 | 6.16 | 41.5 | 401.0 | 0.04 | -108.1 | 9,200 | <5.0 | 14 | 0.18 | 0.73 | <0.0005 | 0.019 | 22 | |
| | | | | 10/21/19 | 8.76 | 38.38 | Kane | 74 | 38 | 1,200 | 3.2 | 6.08 | 31.3 | 562.0 | 0.04 | -74.6 | 13,000 | <5.0 | 16 | 0.12 | 2.3 | <0.0005 | 0.00094 | 19 | |
| | | | | 1/22/20 | 7.77 | 39.37 | Kane | 10 | 5 | 170 | 74 | 6.62 | 20.9 | 364.9 | -- | -77.8 | 12,000 | <5.0 | 10 | 0.11 | 4.3 | <0.00022 | <0.00029 | 8.4 | |
| | | | | 4/18/20 | 8.19 | 38.95 | Kane | 23 | 7.4 | 38 | 50 | 6.46 | 22.1 | 360.7 | 0.12 | -7.4 | 1,500 | 13 | 6.3 | 0.1 | 0.76 | <0.00022 | 0.015 | 10 | |
| | | | | 7/20/20 | 8.28 | 38.86 | Kane | 1.0 | 1.1 | 47 | 58 | 6.32 | 22.7 | 639.0 | 0.25 | -60.4 | 38,000 | <5.0 | 12 | 0.16 | 10 | <0.00022 | 0.071 | 49 | |
| | | | | 10/19/20 | 8.83 | 38.31 | Kane | 2.3 | 0.61 | 3.8 | 8.2 | 6.00 | 21.5 | 654.0 | 0.11 | -51.0 | 11,000 | <5.0 | 11 | 3.9 | 8.8 | <0.00022 | 0.026 | 63 | |
| | | | | 2/23/21 | 8.23 | 38.91 | Kane | <0.20 | <0.20 | 10 | 14 | 5.94 | 15.4 | 629.0 | - | -88.5 | 28,000 | <5.0 | 11 | 2.3 | 13 | <0.00022 | 0.016 | 14 | |
| MW-7 | Shallow | 10 to 25 | 45.527 | 7/13/01 | | | ERM | 10,100 | 35 | 30 | <1.0 | | | | | | | | | | | | | | |
| | | | | 10/26/01 | | | ERM | 4,880 | 15 | 13.8 | <1.0 | | | | | | | | | | | | | | |
| | | | | 2/12/02 | | | ERM | 3,800 | 10.5 | 9.28 | <1.0 | | | | | | | | | | | | | | |
| | | | | 10/1/02 | | | Farallon | 9,600 | <100 | <100 | | 6.7 | | 214.0 | 0.71 | -22.6 | | | | | | | | | |
| | | | | 4/28/05 | | | Farallon | 1,100 | <10 | <10 | | 6.2 | | 315.0 | 0.84 | 126 | | | | | | | | | |
| | | | | 8/15/05 | | | Farallon | 4,900 | 27 | <20 | | | | | | | | | | | | | | | |
| | | | | 8/14/06 | | | Farallon | 4,000 | <40 | <40 | | 6.1 | | 303.0 | 0.82 | 386 | | | | | | | | | |
| | | | | 5/14/07 | | | Farallon | 320 | 2.7 | <2.0 | | 6.2 | | 352.0 | 0.54 | 437 | | | | | | | | | |
| | | | | 11/27/07 | | | Farallon | 1,200 | <10 | <10 | | 6.9 | | 336.0 | 0.38 | 76.6 | | | | | | | | | |
| | | | | 8/26/08 | | | Farallon | 4,300 | 43 | 43 | | 6.5 | | 240.0 | 2.74 | 116 | | 25 | | | | 42.6 | <1.2 | <1.1 | 2.1 |
| | | | | 1/8/09 | | | Farallon | 760 | 7.8 | 4.8 | | 6.7 | | 330.0 | 0.7 | 84.3 | | 27 | | | | 110 | <5.0 | <5.0 | 3.6 |
| | | | | 6/11/09 | | | Farallon | 2,100 | 34 | 33 | | 6.5 | | 340.0 | 0.62 | 62.3 | | 25 | | | | 140 | <10.0 | <10.0 | 2.3 |
| | | | | 9/14/09 | | | Farallon | 6,300 | 120 | 79 | | 6.3 | | 318.0 | 0.72 | 170 | | 24 | | | | 23 | <2.5 | <2.5 | 1.9 |
| | | | | 5/27/10 | | | Farallon | 830 | 18 | 14 | <10 | 6.6 | | 289.0 | 0.63 | -22.6 | | | | | | | | | |
| | | | | 9/9/10 | | | Farallon | 5,400 | 110 | 55 | <50 | 6.8 | | 295.0 | 0.31 | -21.4 | | 24 | | | | 190 | <25.0 | <25.0 | 1.7 |
| | | | | 6/10/11 | | | Farallon | 810 | 24 | 16 | <4.0 | 6.7 | | 346.0 | 0.52 | -43.5 | | 16 | | | | 240 | <10.0 | <10.0 | 2.4 |
| | | | | 3/21/13 | | | DOF | 3,300 | 140 | 240 | 0.28 | 7 | | 385.0 | 0.21 | -3.6 | | | | | | 741 | <1.2 | <1.1 | 6.29 |
| | | | | 4/4/14 | | | DOF | 2,100 | 130 | 750 | 2.3 | 7.1 | | 329.0 | 0.6 | -47 | | | | | | 989 | <1.2 | <1.1 | 2.57 |
| | | | | 10/11/14 | | | DOF | 6,200 | 380 | 3,400 | 10 | 6.3 | | 391.0 | 0.1 | -27 | | | | | | 6580 | <1.2 U | <1.1 U | 2.44 |
| | | | | 11/11/15 | 10.12 | 35.45 | HWA | 950 | 42 | 240 | <10 | 6.32 | | 282.0 | 0.00 | 12.5 | | 16 | | | | 290 | <25 | <2.0 | 2.5 |
| | | | | 9/21/16 | 8.92 | 36.61 | Kane | 3,800 | 160 | 1,300 | <20 | 6.32 | | 350.0 | | | | | | | | | | | |
| | | | | 10/25/16 | 8.21 | 37.32 | Kane | 450 | 32 | 280 | <4.0 | 6.88 | 15.7 | 323.0 | | | | | | | | | | | |
| | | | | 10/26/16 | 7.3 | 38.23 | Kane | | | | | 6.62 | 14.9 | 316.0 | | | | | | | | | | | |
| | | | | 9/18/18 | 9.12 | 36.41 | Kane | 1,370 | 78.1 | 673 | 5.85 | 6.69 | 15.8 | 369.0 | 0.12 | 17.3 | 2,620 | 37 | 5.48 | <0.100 | 1.29 | <0.0162 | <0.0151 | 3.84 | |
| | | | | 11/30/18 | 8.9 | 36.63 | Kane | 2,670 | 305 | 1,440 | <10 | 6.41 | 15.1 | 411.3 | 0.11 | 30.8 | 1,620 | 35 | 8.5 | <0.100 | 0.197 | <0.162 | <0.151 | 4.18 | |
| | | | | 5/24/19 | 7.96 | 37.57 | Kane | 1,000 | 84 | 240 | <10 | 6.68 | 13.6 | 409.5 | 0.16 | -9.2 | 3,900 | 37 | 6.1 | <0.050 | 0.049 | <0.003 | <0.003 | 2.3 | |
| MW-8 | Deep | 45 to 50 | 47.387 | 10/1/02 | | | Farallon | 51 | 0.98 | 0.88 | | 7 | | 487.0 | 0.73 | -355 | | | | | | | | | |
| | | | | 4/28/05 | | | Farallon | 6.4 | <0.2 | <0.2 | | 6.3 | | 186.0 | 0.97 | 104 | | | | | | | | | |
| | | | | 8/15/06 | | | Farallon | 0.44 | <0.2 | <0.2 | | 6.2 | | 167.0 | 2.43 | 447 | | | | | | | | | |
| | | | | 5/14/07 | | | Farallon | 4.3 | <0.2 | <0.2 | | 6.1 | | 145.0 | 2.89 | 419 | | | | | | | | | |
| | | | | 11/27/07 | | | Farallon | 2.2 | <0.2 | <0.2 | | 6.7 | | 164.0 | 0.54 | 80.7 | | | | | | | | | |
| | | | | 5/22/08 | | | Farallon | 79 | 7.2 | 12 | | 6.2 | | 139.0 | 5.8 | 153 | | | | | | | | | |

**Table 1
Bothell Service Center Simon Son
Groundwater Analytical Results**

| Well | Well Type and Water Bearing Zone | Screened Depth, (ft bgs) | Top of Casing (TOC) Elevation (feet)* | Date Sampled | Depth to Water (ft below TOC) | GW Elevation (feet) | Sampled By | PCE (µg/L) | TCE (µg/L) | (cis) 1,2-DCE (µg/L) | Vinyl Chloride (µg/L) | pH (units) | Temp (°C) | Conductivity (µS) | Dissolved Oxygen (mg/L) | Oxidation Reduction Potential (mV) | Dissolved Iron (ug/L) | Sulfate (mg/L) | Chloride (mg/L) | Ammonia as N (mg/L) | Methane (mg/L) | Ethane (mg/L) | Ethene (mg/L) | Total Organic Carbon (mg/L) | |
|--------|----------------------------------|--------------------------|---------------------------------------|--------------|-------------------------------|---------------------|------------|------------|------------|----------------------|-----------------------|------------|-----------|-------------------|-------------------------|------------------------------------|-----------------------|----------------|-----------------|---------------------|----------------|---------------|---------------|-----------------------------|----|
| | | | | 8/25/08 | | | Farallon | 93 | 4.8 | 4.4 | | 6.3 | | 118.0 | 2.1 | 391 | | 12 | | | <0.7 | <1.2 | <1.1 | <1.5 | |
| | | | | 3/20/13 | | | DOF | 33 | 1 | 2 | <0.02 | 6.7 | | 218.0 | 0.06 | 10.1 | | | | | 649 | <1.2 | <1.1 | 6.04 | |
| | | | | 4/4/14 | | | DOF | 130 | 37 | 41 | <0.02 | 6.8 | | 181.0 | 1 | -44 | | | | | <0.7 | <1.2 | <1.1 | 1.98 | |
| | | | | 10/11/14 | | | DOF | 150 | 37 | 140 | 0.2 | 6.2 | | 190.0 | 0.9 | 49.1 | | | | | 43.3 | <1.2U | <1.1U | 1.99 | |
| | | | | 11/11/15 | 10.82 | 36.63 | HWA | 180 | 50 | 160 | <1.0 | 6.06 | | 225.0 | 0.85 | -26.8 | | 13 | | | 19 | <1.0 | 0.59 | 2.2 | |
| | | | | 9/22/16 | 9.71 | 37.68 | Kane | 50 | 6.2 | 25 | <0.20 | 6.33 | | 229.0 | | | | | | | | | | | |
| | | | | 10/26/16 | 8.48 | 38.91 | Kane | 5.8 | 1.3 | 3.1 | <0.20 | 6.43 | 15 | 246.0 | | | | 12 | | <0.050 | | | | 1.4 | |
| | | | | 7/17/18 | 9.7 | 37.69 | Kane | 8.75 | 1.59 | 4.21 | <0.20 | 6.81 | 15.8 | 173.0 | 0.32 | | | | | | | | | | |
| | | | | 9/17/18 | 10.33 | 37.06 | Kane | 14.8 | 2.14 | 8.25 | <0.20 | 6.56 | 20.1 | 187.0 | 0.16 | 70.9 | <100 | 6.05 | 7.92 | <0.100 | 0.0246 | <0.0162 | <0.0151 | 3.36 | |
| | | | | 12/20/18 | 10.05 | 37.34 | Kane | 14.5 | 4.37 | 9.38 | <0.20 | 6.13 | 24.1 | 197.6 | 0.28 | 30 | <100 | 4.13 | 6.53 | <0.100 | <0.00863 | <0.0162 | <0.0151 | 1.66 | |
| | | | | 2/22/19 | 8.75 | 38.64 | Kane | 4.98 | 2.9 | 7.33 | <0.20 | 6.28 | 28.8 | 183.2 | 0.24 | 65 | <100 | 4.95 | 7.14 | <0.10 | 0.0173 | <0.0162 | <0.0151 | 1.82 | |
| | | | | 5/22/19 | 8.99 | 38.40 | Kane | 3.1 | 1 | 1.3 | <0.20 | 6.3 | 32.9 | 212.0 | 0.16 | -8.4 | 300 | 5.8 | 7.8 | <0.050 | 0.036 | <0.005 | <0.005 | 2 | |
| | | | | 7/22/19 | 9.65 | 37.74 | Kane | 1.9 | 0.48 | 0.53 | <0.020 | 6.04 | 34.4 | 221.5 | 0.11 | 54.2 | 450 | 7.5 | 8.4 | <0.050 | 0.14 | <0.0005 | <0.0005 | 2.1 | |
| | | | | 10/21/19 | 9.54 | 37.85 | Kane | 1.0 | 0.35 | 0.41 | <0.020 | 6.06 | 25.8 | 222.7 | 0.14 | 101.3 | 460 | 9.6 | 9.4 | <0.050 | 0.49 | <0.0005 | <0.0005 | 2.6 | |
| | | | | 1/28/20 | 8.83 | 38.56 | Kane | 4.5 | 1.7 | 1 | <0.020 | 6.2 | 18.8 | 216.5 | 0.28 | 65.2 | 210 | 12 | 8 | <0.050 | 0.16 | 0.00028 | <0.00029 | 2.7 | |
| | | | | 4/17/20 | 8.82 | 38.57 | Kane | 0.94 | 0.3 | 0.47 | 0.024 | 6.3 | 23.1 | 234.5 | 0.32 | 17.9 | 150 | 13 | 6.6 | <0.050 | 0.009 | 0.00028 | <0.00029 | 2.7 | |
| | | | | 7/20/20 | 9.57 | 37.82 | Kane | 0.40 | <0.20 | 0.56 | <0.020 | 6.12 | 23.3 | 203.0 | 0.41 | 59.5 | 110 | 12 | 5.5 | <0.050 | 0.026 | <0.00022 | <0.00029 | 2.4 | |
| | | | | 10/16/20 | 9.62 | 37.77 | Kane | 0.54 | <0.20 | <0.20 | <0.020 | 5.94 | 21.2 | 180.8 | 0.12 | 111.2 | <56 | 13 | 6.7 | <0.050 | 0.012 | <0.00022 | <0.00029 | 2.0 | |
| | | | | 2/23/21 | 9.22 | 38.17 | Kane | 0.43 | <0.20 | <0.20 | <0.020 | 5.87 | 16.3 | 180.1 | - | 19.8 | 170 | 12 | 8.7 | <0.050 | 0.007 | 0.00085 | 0.0003 | 1.8 | |
| MW-9 | Deep Decommissioned | 45 to 50 | 49.857 | 10/1/02 | | | Farallon | 250 | <2.0 | <2.0 | | 7.3 | | 373.0 | 0.91 | -197 | | | | | | | | | |
| | | | | 4/27/05 | | | Farallon | 53,000 | <100 | <100 | | 6.9 | | 246.0 | 1.02 | 78.7 | | | | | | | | | |
| | | | | 8/15/05 | | | Farallon | 140,000 | <200 | <200 | | | | | | | | | | | | | | | |
| | | | | 11/27/07 | | | Farallon | 13,000 | <100 | <100 | | 7.5 | | 117.0 | 7.5 | 148 | | | | | | | | | |
| | | | | 5/22/08 | | | Farallon | 8,800 | <50 | <50 | | 7.4 | | 191.0 | 1.1 | 68.9 | | | | | | | | | |
| | | | | 8/26/08 | | | Farallon | 6,000 | 3,400 | <50 | | 7.2 | | 166.0 | 1.2 | 102 | | <5 | | | 982 | <1.2 | <1.1 | 1.65 | |
| | | | | 1/9/09 | | | Farallon | 160,000 | <1,000 | <1,000 | | 7.5 | | 213.0 | 1.4 | 78.9 | | <5 | | | 530 | <50 | <50 | 1.79 | |
| | | | | 6/11/09 | | | Farallon | 43,000 | <300 | <300 | | 6.6 | | 98.0 | 7.7 | 83.3 | | <5 | | | 84 | <5 | <0.5 | <1.0 | |
| | | | | 9/14/09 | | | Farallon | 21,000 | <200 | <200 | | 6.7 | | 139.0 | 3.01 | 167 | | <5 | | | 2.2 | <0.5 | <0.5 | 1.4 | |
| | | | | 2/25/10 | | | Farallon | 16,000 | <100 | <100 | <100 | 7.5 | | 63.0 | 5.97 | 148 | | | | | | | | | |
| | | | | 9/10/10 | | | Farallon | 6,500 | 36 | <30 | <30 | 7.7 | | 147.0 | 2.91 | -63.7 | | <5 | | | 4.3 | <0.5 | <0.5 | <1.0 | |
| | | | | 6/10/11 | | | Farallon | 21,000 | <200 | <200 | <200 | 7.6 | | 218.0 | 0.39 | 63.2 | | <5 | | | 1400 | <100 | <100 | 1.3 | |
| | | | | 3/20/13 | | | DOF | DNAPL | DNAPL | DNAPL | DNAPL | | | | | | | | | | | | | | |
| | | | | 4/7/14 | | | DOF | 15,000 | 46 | 22 | <0.2 | 7 | | 194.0 | 0.4 | -98 | | | | | | | | | |
| | | | | 10/11/14 | | | DOF | 3,300 | 96 | 54 | <2.0 U | 6.5 | | 168.0 | 0.1 | -38 | | | | | 757 | <1.2 U | <1.1 U | 1.63 | |
| | | | | 11/11/15 | 11.9 | 38.00 | HWA | 890 | 560 | 680 | <10 | 5.90 | | 139.0 | 0.00 | 45.6 | | <5.0 | | | 190 | <15 | 6.1 | <1.0 | |
| | | | | 9/22/16 | 11.2 | 38.66 | Kane | 53,000 | <500 | <500 | <500 | 7.41 | | 222.0 | | | | | | | | | | | |
| | | | | 10/26/16 | 9.71 | 40.15 | Kane | 42,000 | <300 | <300 | <300 | 7.54 | 14.8 | 254.0 | | | | 3,300 | | 0.44 | | | | <1.0 | |
| MW-10 | Shallow Decommissioned | 5 to 25 | | 4/27/05 | | | Farallon | 3 | <0.2 | <0.2 | | | | | | | | | | | | | | | |
| MW-10R | Shallow Decommissioned | 15 to 25 | 49.392 | 9/19/16 | 9.98 | 39.41 | Kane | 1.6 | <0.20 | <0.20 | <0.20 | 6.61 | | 188.0 | | | | | | | | | | | |
| | | | | 11/1/16 | 8.34 | 41.05 | Kane | 1.3 | <0.20 | <0.20 | <0.20 | 6.78 | 15.4 | 212.0 | | | | | | | | | | | |
| MW-11 | Intermediate | 25 to 33 | 47.207 | 11/28/07 | | | Farallon | 28 | 0.26 | <0.2 | | 6.6 | | 176.0 | 1.26 | 165 | | | | | | | | | |
| | | | | 5/22/08 | | | Farallon | 23 | 0.24 | <0.2 | | 6.2 | | 174.0 | 0.84 | 132 | | | | | | | | | |
| | | | | 8/25/08 | | | Farallon | 27 | 0.53 | <0.2 | | 6.3 | | 142.0 | 1.46 | 238 | | 18 | | | 29.8 | <1.2 | <1.1 | 1.71 | |
| | | | | 3/20/13 | | | DOF | 5.6 | 0.2 | 0.26 | <0.02 | 6.6 | | 296.0 | 0.1 | -50.6 | | | | | 5770 | <1.2 | <1.1 | 6.53 | |
| | | | | 4/4/14 | | | DOF | 5.6 | <0.2 | <0.2 | <0.02 | 6.8 | | 298.0 | 0.2 | -107 | | | | | 3500 | <1.2 | <1.1 | 2.61 | |
| | | | | 10/11/14 | | | DOF | 4.8 | 0.18 J | 0.13 J | <0.02 U | 6.1 | | 371.0 | 0.4 | 16.8 | | | | | 2150 | <1.2 U | <1.1 U | 2.72 | |
| | | | | 11/11/15 | 10.34 | 36.91 | HWA | 4.1 | 0.4 | <0.20 | <0.20 | 6.28 | | 594.0 | 0.67 | -82.8 | | 18 | | | 840 | <50 | <7.0 | 4.5 | |
| | | | | 9/23/16 | 9.42 | 37.79 | Kane | 9.9 | <0.20 | 0.42 | <0.20 | 6.29 | | 408.0 | | | | | | | | | | | |
| | | | | 10/26/16 | 7.98 | 39.23 | Kane | 2.0 | <0.20 | <0.20 | <0.20 | 6.38 | 16.5 | 376.0 | | | | 24 | | <0.050 | | | | 4.2 | |
| | | | | 7/17/18 | 9.02 | 38.19 | Kane | 11.2 | 2.12 | 3.73 | <0.20 | 6.58 | 20.4 | 295.0 | 0.16 | | | | | | | | | | |
| | | | | 9/17/18 | 9.82 | 37.39 | Kane | 35.8 | 29.6 | 27.6 | <0.20 | 6.24 | 34.8 | 357.0 | 0.06 | -4.5 | 1,140 | 42.5 | 22.9 | <0.100 | 0.158 | <0.0162 | <0.0151 | 9.07 | |
| | | | | 12/20/18 | 8.56 | 38.65 | Kane | 41 | 11.5 | 4.92 | <0.20 | 5.72 | 45.7 | 287.0 | 0.16 | 14.3 | 611 | 37.4 | 13.5 | <0.100 | 0.109 | <0.162 | <0.151 | 8.99 | |
| | | | | 2/21/19 | 7.9 | 39.31 | Kane | 16.9 | 14.6 | 9.58 | <0.20 | 5.96 | 47.2 | 316.3 | 0.16 | -70 | 1,240 | 10.3 | 14.4 | <0.10 | 0.87 | <0.0162 | <0.0151 | 23.7 | |
| | | | | 5/22/19 | 8.48 | 38.73 | Kane | 75 | 69 | 14 | <0.40 | 6.13 | 45.7 | 468.0 | 0.04 | -18 | 810 | 13 | 13 | <0.050 | 0.49 | <0.0005 | <0.0005 | 27 | |
| | | | | 7/25/19 | 9.12 | 38.09 | Kane | 39 | 41 | 7.7 | 0.34 | 6.2 | 40.8 | 407.0 | 0.04 | -43.8 | 660 | 10 | 11 | 0.068 | 1.1 | <0.0005 | <0.0005 | 26 | |
| | | | | 10/21/19 | 8.92 | 38.29 | Kane | 3.5 | 3.8 | 220 | 1.5 | 6.33 | 27.8 | 522.0 | 0.08 | -59.4 | 1,500 | <5.0 | 15 | <0.050 | 1 | <0.0005 | <0.0005 | 34 | |
| | | | | 1/22/20 | 8.09 | 39.12 | Kane | 2.5 | 2.7 | 230 | 70 | 6.66 | 20.4 | 388.6 | 1.1 | -35.1 | 4,500 | <5.0 | 12 | 1.3 | 2 | <0.00022 | <0.00029 | 11 | |
| | | | | 4/17/20 | 8.49 | 38.71 | Kane | 8.0 | 20 | 130 | 140 | 6.79 | 22.5 | 515.3 | 0.2 | -15.1 | 580 | <5.0 | 12 | 8.9 | 0.25 | 0.062 | <0.00022 | 0.0068 | 17 |
| | | | | 7/20/20 | 8.74 | 38.47 | Kane | <0.20 | <0.20 | 1.1 | 18 | 6.34 | 23.1 | 729.0 | 0.17 | -38.7 | 6,900 | <5.0 | 12 | 0.28 | 15 | <0.00022 | 0.05 | 92 | |
| | | | | 10/19/20 | 9.00 | 38.21 | Kane | 13 | 15 | 79 | 30 | 6.18 | 20.2 | 745.0 | 0.08 | -91.3 | 8,600 | 7.6 | 14 | 5.1 | 9.7 | <0.00022 | 0.019 | 60 | |

Table 1
Bothell Service Center Simon Son
Groundwater Analytical Results

| Well | Well Type and Water Bearing Zone | Screened Depth, (ft bgs) | Top of Casing (TOC) Elevation (feet)* | Date Sampled | Depth to Water (ft below TOC) | GW Elevation (feet) | Sampled By | PCE (µg/L) | TCE (µg/L) | (cis) 1,2-DCE (µg/L) | Vinyl Chloride (µg/L) | pH (units) | Temp (°C) | Conductivity (µS) | Dissolved Oxygen (mg/L) | Oxidation Reduction Potential (mV) | Dissolved Iron (ug/L) | Sulfate (mg/L) | Chloride (mg/L) | Ammonia as N (mg/L) | Methane (mg/L) | Ethane (mg/L) | Ethene (mg/L) | Total Organic Carbon (mg/L) | | | | |
|----------|----------------------------------|--------------------------|---------------------------------------|--------------|-------------------------------|---------------------|-------------|--------------|-------------|----------------------|-----------------------|------------|-----------|-------------------|-------------------------|------------------------------------|-----------------------|----------------|-----------------|---------------------|----------------|---------------|---------------|-----------------------------|--------|--------|--------|------|
| | | | | 2/26/21 | 8.02 | 39.19 | Kane | <0.4 | 0.92 | 22 | 49 | 6.27 | 15.5 | 651.0 | - | -110.1 | 16,000 | 11 | 12 | 3.5 | 11 | <0.00022 | 0.018 | 7.4 | | | | |
| MW-12 | Intermediate | 25 to 33 | 45.467 | 11/28/07 | | | Farallon | 2,300 | 30 | 39 | | 6.9 | | 326.0 | 1.48 | 165 | | | | | | | | 2.02 | | | | |
| | | | | 5/22/08 | | | Farallon | 2,800 | 53 | 61 | | 6.5 | | 277.0 | 1.51 | 132 | | | | | | | | | | | | |
| | | | | 8/26/08 | | | Farallon | 1,600 | <10 | <10 | | 6.3 | | 227.0 | 2.12 | 4.6 | | | | 19 | | | | <0.7 | <1.2 | <1.1 | 5.04 | |
| | | | | 1/8/09 | | | Farallon | 3,200 | 88 | 44 | | 6.5 | | 309.0 | 0.77 | 70 | | | | 22 | | | | 16 | <1.0 | <1.0 | 3.11 | |
| | | | | 6/11/09 | | | Farallon | 2,500 | 53 | 29 | | 6.2 | | 293.0 | 0.62 | 75.4 | | | | 22 | | | | 30 | <3.0 | <3.0 | 1.7 | |
| | | | | 9/14/09 | | | Farallon | 700 | 5.1 | <4 | | 6.2 | | 263.0 | 0.77 | 168 | | | | 20 | | | | 4.8 | <0.5 | <0.5 | 2.4 | |
| | | | | 5/27/10 | | | Farallon | 2,800 | 240 | 80 | <20 | 6.5 | | 265.0 | 0.32 | 8.7 | | | | | | | | | | | | |
| | | | | 9/9/10 | | | Farallon | 1,500 | 22 | <20 | <20 | 6.8 | | 226.0 | 0.32 | 9.5 | | | | | 15 | | | | 490 | <50 | <50 | 1.1 |
| | | | | 6/10/11 | | | Farallon | 5,800 | 270 | 180 | <30 | 6.5 | | 348.0 | 0.49 | -14.6 | | | | 19 | | | | | 1000 | <100 | <100 | 2.5 |
| | | | | 3/20/13 | | | DOF | 4,800 | 210 | 920 | 1.6 | 6.8 | | 392.0 | 0.05 | -18.8 | | | | | | | | | 12900 | <1.2 | <1.1 | 7.97 |
| | | | | 4/4/14 | | | DOF | 5,900 | 240 | 730 | 2.1 | 6.9 | | 327.0 | 0.1 | -52 | | | | | | | | | 12300 | <1.2 | <1.1 | 2.88 |
| | | | | 10/10/14 | | | DOF | 4,100 | 390 | 150 | <2.0 U | 6.2 | | 360.0 | 0.2 | -25.6 | | | | | | | | | 12800 | <1.2 U | <1.1 U | 2.82 |
| | | | | 11/11/15 | 9.61 | 35.93 | HWA | 2,900 | 180 | 1,100 | <0.20 | 6.26 | | 397.0 | 0.00 | 11 | | | | 16 | | | | | 3000 | <150 | <18 | 2.2 |
| | | | | 9/22/16 | 8.89 | 36.58 | Kane | 1,100 | 140 | 730 | <10 | 6.37 | | 410.0 | | | | | | | | | | | | | | |
| | | | | 10/26/16 | 7.26 | 38.21 | Kane | 1,300 | 230 | 1,600 | <20 | 6.56 | 15.6 | 369.0 | | | | | | | 13 | | <0.050 | | | | | 2.1 |
| | | | | 7/20/18 | 8.44 | 37.03 | Kane | 4,110 | 351 | 2,110 | 14.3 | 6.45 | 14.8 | 162.0 | 0.66 | | | | | | | | | | | | | |
| | | | | 9/10/18 | 9.14 | 36.33 | Kane | 3,460 | 231 | 1,460 | 11.1 | 6.46 | 15.3 | 343.0 | 0.14 | 71.8 | 834 | 19.9 | 12.5 | <0.100 | 4.12 | <0.0162 | <0.0151 | 5.72 | | | | |
| | | | | 11/30/18 | 8.59 | 36.88 | Kane | 2,340 | 194 | 669 | <4.0 | 6.16 | 15.1 | 533.8 | 0.11 | 84.5 | 2,330 | 14 | 46.2 | <0.100 | 0.727 | <0.162 | <0.151 | 3.9 | | | | |
| | | | | 5/24/19 | 7.92 | 37.55 | Kane | 5,400 | 400 | 780 | <30 | 6.25 | 14.1 | 383.9 | 0.30 | -89.5 | 530 | 24 | 9.5 | <0.050 | 3.7 | <0.250 | <0.250 | 2.5 | | | | |
| | | | | 7/22/19 | 8.4 | 37.07 | Kane | 910 | 240 | 630 | 6.2 | 6.12 | 18.6 | 672.0 | 0.05 | -341 | 3,400 | 18 | 42 | <0.050 | 3.2 | <0.0005 | <0.0005 | 2.8 | | | | |
| | | | | 10/18/19 | 9.07 | 36.40 | Kane | 360 | 68 | 240 | 0.84 | 5.85 | 16.2 | 361.6 | 0.12 | 40 | 6,000 | 14 | 36 | <0.050 | 3.3 | <0.0005 | <0.0005 | 2.1 | | | | |
| 1/27/20 | 7.8 | 37.67 | Kane | 260 | 120 | 450 | 1.9 | 6.28 | 15.5 | 459.0 | 0.31 | 38.2 | 6,100 | 12 | 32 | <0.050 | 2.4 | <0.00022 | <0.00029 | 2.3 | | | | | | | | |
| 4/21/20 | 7.64 | 37.83 | Kane | 330 | 84 | 52 | 0.82 | 6.26 | 16.1 | 472.9 | 0.18 | 27.5 | 5,100 | 21 | 30 | <0.050 | 3.6 | <0.00022 | <0.00029 | 2.9 | | | | | | | | |
| 7/22/20 | 6.45 | 39.02 | Kane | 250 | 93 | 85 | 2.7 | 6.16 | 19.1 | 488.0 | 0.19 | 31.4 | 6,500 | 29 | 19 | <0.050 | 7.5 | <0.00022 | <0.00029 | 3.3 | | | | | | | | |
| 10/21/20 | 8.83 | 36.64 | Kane | 450 | 81 | 93 | 3.6 | 5.86 | 18.8 | 456.8 | 0.17 | 30.6 | 5,200 | 35 | 14 | <0.050 | 7.4 | <0.00022 | <0.00029 | 3.4 | | | | | | | | |
| 3/3/21 | 8.00 | 37.47 | Kane | 650 | 65 | 140 | 20 | 5.95 | 17.4 | 478.6 | - | 12.5 | 8,200 | 19 | 12 | <0.050 | 10 | <0.00022 | 0.00069 | 3.9 | | | | | | | | |
| MW-13 | Deep Damaged | 40 to 55 | 48.777 | 11/28/07 | | | Farallon | <1.0 | <0.2 | <0.2 | | 7.10 | | 152.0 | 1.35 | 151 | | | | | | | | | | | | |
| MW-14 | Intermediate Decommissioned | 22 to 32 | 49.157 | 11/28/07 | | | Farallon | <0.2 | <0.2 | <0.2 | | 7.0 | | 146.0 | 4.0 | 160 | | | | | | | | | | | | |
| | | | | 11/11/15 | 10.23 | 38.96 | HWA | <0.20 | <0.20 | <0.20 | <0.20 | 5.56 | | 395.0 | 0.00 | -99 | | <10 | | | | 11000 | <500 | <55 | 13 | | | |
| | | | | 9/21/16 | 9.53 | 39.63 | Kane | 0.91 | <0.20 | <0.20 | <0.20 | 6.08 | | 243.0 | | | | | | | | | | | | | | |
| | | | | 11/1/16 | 8.29 | 40.87 | Kane | <0.20 | <0.20 | <0.20 | <0.20 | 5.96 | 15.6 | 307.0 | | | | | | | | | | | | | | |
| MW-15 | Intermediate Decommissioned | 22 to 32 | | 11/28/07 | | | Farallon | <0.2 | <0.2 | <0.2 | | 6.8 | | 157.0 | 4.0 | 170 | | | | | | | | | | | | |
| MW-16 | Deep Decommissioned | 40 to 55 | | 11/28/07 | | | Farallon | 10 | <0.2 | <0.2 | | 7.9 | | 124.0 | 6.9 | 130 | | | | | | | | | | | | |
| MW-17 | Deep Damaged | 40 to 50 | 48.947 | 11/28/07 | | | Farallon | 6.5 | <0.2 | <0.2 | | 7.7 | | 188.0 | 0.49 | 141 | | | | | | | | | | | | |
| MW-18 | Intermediate Decommissioned | 22 to 30 | 48.747 | 11/28/07 | | | Farallon | 270 | <2.0 | <2.0 | | 7.2 | | 266.0 | 0.83 | 158 | | | | | | | | | | | | |
| | | | | 5/22/08 | | | Farallon | <0.25 | <0.25 | <0.25 | | | | | | | | | | | | | | | | | | |
| | | | | 4/4/14 | | | DOF | 2.4 | 1.2 | 14 | 3.3 | 6.1 | | 493.0 | 0.3 | -111 | | | | | | | 16700 | <1.2 | <1.1 | 48.5 | | |
| | | | | 10/11/14 | | | DOF | 0.49 | <0.2 U | 3.6 | 1.3 | 5.9 | | 449.0 | 0.4 | -6.6 | | | | | | | | 13300 | <1.2 U | <1.1 U | 29.8 | |
| | | | | 9/23/16 | 9.65 | 39.10 | Kane | 7.8 | <0.20 | 1.3 | 0.26 | 6.02 | | 238.0 | | | | | | | | | | | | | | |
| 10/27/16 | 8.11 | 40.64 | Kane | <0.20 | <0.20 | 2.0 | 0.47 | 5.90 | 15.8 | 256.0 | | | | | | | | | | | | | | | | | | |
| MW-19 | Shallow Decommissioned | 9 to 19 | 47.517 | 11/16/15 | 9.31 | 38.26 | HWA | 8,200 | 70 | 76 | <50 | 6.34 | | 638.0 | 3.75 | 49.2 | | | | | 74 | <15 | 2.2 | 7.9 | | | | |
| | | | | 9/21/16 | 9.20 | 38.32 | Kane | 1,800 | 84 | 490 | 34 | 6.34 | | 313.0 | | | | | | | | | | | | | | |
| | | | | 10/25/16 | 8.02 | 39.50 | Kane | 5,700 | 140 | 860 | 61 | 6.70 | 17.8 | 296.0 | | | | | | | | | | | | | | |
| MW-20 | Intermediate | 25 to 30 | 46.857 | 11/16/15 | 9.20 | 37.70 | HWA | 900 | 60 | 37 | 17 | 6.17 | | 557.0 | 0.00 | -73 | | | | | 1800 | <125 | 9.4 | 2.7 | | | | |
| | | | | 9/21/16 | 9.02 | 37.84 | Kane | 190 | 45 | 120 | 9.0 | 6.66 | | 340.0 | | | | | | | | | | | | | | |
| | | | | 10/26/16 | 7.73 | 39.13 | Kane | 140 | 44 | 120 | 17 | 6.44 | 16.4 | 348.0 | | | | | | 43 | 0.21 | | | | | 4.3 | | |
| | | | | 12/20/18 | 7.5 | 39.36 | Kane | 32 | 879 | 552 | 2.23 | 5.72 | - | 263.9 | 0.05 | -4.4 | 3,140 | 2.56 | 8.88 | 1.54 | 0.0446 | <0.0162 | <0.0151 | 95.4 | | | | |
| | | | | 3/14/19 | 7.55 | 39.31 | Kane | <0.841 | 136 | 163 | <2.0 | 6 | - | 219.3 | 0.2 | 68.3 | 1,460 | 0.348 | 7.8 | 1.07 | 0.0463 | <0.0162 | <0.0151 | 45.3 | | | | |
| | | | | 6/6/19 | 8.03 | 38.83 | Kane | 0.43 | 51 | 31 | <0.40 | 6.45 | 55.6 | 218.1 | 0.08 | 4.4 | 950 | <5.0 | 7.4 | 0.75 | 0.51 | <0.05 | <0.05 | 16 | | | | |
| | | | | 7/25/19 | 8.64 | 38.22 | Kane | 0.82 | 36 | 27 | 0.052 | 6.36 | 52.5 | 210.2 | 0.13 | -82 | 800 | <5.0 | 6.4 | 0.89 | 0.67 | <0.0005 | <0.0005 | 8 | | | | |
| | | | | 10/22/19 | 8.47 | 38.39 | Kane | 0.46 | 19 | 68 | 0.15 | 6.32 | 36.6 | 375.7 | 0.07 | -47.2 | 1,200 | <5.0 | 13 | 0.81 | 3.1 | <0.0005 | <0.0005 | 9.8 | | | | |
| | | | | 1/28/20 | 7.66 | 39.20 | Kane | <1.0 | <1.0 | 190 | 46 | 6.87 | 26.7 | 483.0 | 0.13 | -45.2 | 910 | <5.0 | 14 | 0.65 | 13 | <0.00022 | <0.00029 | 13 | | | | |
| | | | | 4/21/20 | 8.44 | 38.41 | Kane | 0.23 | <1.0 | 0.34 | 18 | 6.89 | 23.1 | 704.0 | 0.18 | 6.3 | 2,300 | <5.0 | 13 | 0.59 | 13 | <0.00022 | 0.041 | 25 | | | | |
| | | | | 7/27/20 | 8.45 | 38.41 | Kane | <0 | | | | | | | | | | | | | | | | | | | | |

Table 1
Bothell Service Center Simon Son
Groundwater Analytical Results

| Well | Well Type and Water Bearing Zone | Screened Depth, (ft bgs) | Top of Casing (TOC) Elevation (feet)* | Date Sampled | Depth to Water (ft below TOC) | GW Elevation (feet) | Sampled By | PCE (µg/L) | TCE (µg/L) | (cis) 1,2-DCE (µg/L) | Vinyl Chloride (µg/L) | pH (units) | Temp (°C) | Conductivity (µS) | Dissolved Oxygen (mg/L) | Oxidation Reduction Potential (mV) | Dissolved Iron (ug/L) | Sulfate (mg/L) | Chloride (mg/L) | Ammonia as N (mg/L) | Methane (mg/L) | Ethane (mg/L) | Ethene (mg/L) | Total Organic Carbon (mg/L) | | |
|-------|----------------------------------|--------------------------|---------------------------------------|--------------|-------------------------------|---------------------|------------|------------|------------|----------------------|-----------------------|------------|-----------|-------------------|-------------------------|------------------------------------|-----------------------|----------------|-----------------|---------------------|----------------|---------------|---------------|-----------------------------|-------|--|
| MW-21 | Shallow | 10 to 15 | 45.717 | 11/16/15 | 9.41 | 35.58 | HWA | 21,000 | 440 | 350 | <100 | 7.38 | | 1579.0 | 8.60 | -18 | | 96 | | | 310 | <25 | 2.6 | 3.3 | | |
| | | | | 9/22/16 | 9.05 | 36.67 | Kane | 27,000 | 540 | 360 | <200 | 6.56 | | 355.0 | | | | | | | | | | | | |
| | | | | 10/31/16 | 6.97 | 38.75 | Kane | 8,400 | 210 | 190 | <50 | 6.32 | 17.7 | 319.0 | | | | | | | | | | | | |
| | | | | 9/10/18 | 9.31 | 36.41 | Kane | 410 | 12 | 9 | <0.20 | 6.22 | 18.1 | 280.0 | 2.40 | 93.5 | <100 | 20 | 11.9 | <0.100 | 0.0299 | <0.0162 | <0.0151 | | 3.78 | |
| | | | | 12/3/18 | 7.23 | 38.49 | Kane | 122 | 1.67 | <1.00 | <0.20 | 5.85 | 15.9 | 272.7 | 2.97 | 75.7 | <100 | 12.9 | 4.61 | <0.100 | <0.00863 | <0.0162 | <0.0151 | | 4.03 | |
| | | | | 5/24/19 | 7.69 | 38.03 | Kane | 82 | 1.40 | 0.5 | <0.40 | 6.08 | 14.3 | 248.0 | 3.51 | 2.7 | <56 | 12 | 3.7 | <0.050 | 0.0026 | <0.0005 | <0.0005 | <1.0 | | |
| MW-22 | Deep | 54 to 59 | 44.957 | 11/16/15 | 8.91 | 36.84 | HWA | 69 | 2.8 | 2.0 | <0.40 | 7.30 | | 296.0 | 0.00 | -52.2 | | <5.0 | | | 1400 | <250 | <9.0 | 1.5 | | |
| | | | | 9/22/16 | 8.41 | 36.55 | Kane | 11 | <0.20 | 1.5 | <0.20 | 7.42 | | 236.0 | | | | | | | | | | | | |
| | | | | 10/26/16 | 7.16 | 37.80 | Kane | 2.1 | <0.20 | 2.2 | <0.20 | 7.63 | 14.7 | 262.0 | | | <5.0 | | 0.24 | | | | | | 1.2 | |
| | | | | 7/16/18 | 8.27 | 36.69 | Kane | <1.00 | <0.50 | 1.6 | <0.20 | 7.87 | 15.4 | 214.0 | 0.00 | | | | | | | | | | | |
| | | | | 9/19/18 | 8.85 | 36.11 | Kane | <1.00 | <0.50 | 1.22 | <0.20 | 7.54 | 15.2 | 251.0 | 0.45 | 33.9 | <100 | 0.932 | 6.65 | 0.392 | 0.654 | <0.0162 | <0.0151 | | 2.37 | |
| | | | | 12/3/18 | 8.63 | 36.33 | Kane | <1.00 | <0.50 | 1.11 | <0.20 | 7.22 | 14.3 | 267.8 | 0.07 | -16 | <100 | 0.533 | 6.66 | 0.291 | 0.0695 | <0.0324 | <0.0303 | | 2.26 | |
| | | | | 6/20/19 | 7.91 | 37.05 | Kane | 0.43 | <0.20 | 0.87 | <0.20 | 7.31 | 15.1 | 233.0 | 0.27 | -106.6 | 250 | <5.0 | 3.9 | 0.3 | 0.001 | <0.0005 | <0.0005 | 1.3 | | |
| MW-23 | Shallow | 6 to 16 | 48.027 | 9/20/16 | 8.92 | 39.11 | Kane | 0.46 | <0.20 | <0.20 | <0.20 | 5.91 | | 123.0 | | | | | | | | | | | | |
| | | | | 11/1/16 | 7.29 | 40.74 | Kane | 2.2 | <0.20 | <0.20 | <0.20 | 6.19 | 15.0 | 128.0 | | | | | | | | | | | | |
| | | | | 9/19/18 | 9.04 | 38.99 | Kane | <1.00 | <0.50 | <1.00 | <0.20 | 6.16 | 16.2 | 94.0 | 0.87 | 54.7 | <100 | 8.86 | 2.79 | <0.100 | 1.04 | <0.0162 | <0.0151 | | 2.74 | |
| | | | | 12/5/18 | 8.70 | 39.33 | Kane | 1.05 | <0.50 | <1.00 | <0.20 | 5.65 | 14.4 | 112.4 | 1.24 | 49.8 | 124 | 10.3 | 2.16 | <0.100 | 0.0854 | <0.0162 | <0.0151 | | 2.4 | |
| | | | | 2/12/19 | 8.18 | 39.85 | Kane | 2.11 | <0.50 | <1.0 | <0.20 | 5.34 | 11.6 | 75.1 | 5.16 | 128.7 | <100 | 6.02 | 1.46 | <0.10 | <0.00863 | <0.0162 | <0.0151 | | 1.17 | |
| | | | | 6/4/19 | 8.57 | 39.46 | Kane | 0.94 | <0.20 | <0.20 | <0.20 | 6.13 | 14.9 | 113.4 | 0.87 | 19.1 | 720 | 6.7 | 3.3 | <0.050 | 0.14 | <0.0075 | <0.0075 | | 1.6 | |
| MW-24 | Deep | 44 to 54 | 48.962 | 11/1/16 | 8.89 | 40.07 | Kane | 9.0 | <0.20 | <0.20 | <0.20 | 8.44 | 14.7 | 225.0 | | | | | | | | | | | | |
| MW-25 | Shallow Decommissioned | 7.5 to 17.5 | 46.207 | 9/20/16 | 9.22 | 36.99 | Kane | 4,200 | <20.0 | <20.0 | <20.0 | 6.56 | | 324.0 | | | | | | | | | | | | |
| | | | | 10/25/16 | 7.75 | 38.46 | Kane | 99 | 7.4 | 10 | <1.0 | 6.58 | 17.3 | 184.0 | | | | | | | | | | | | |
| MW-26 | Intermediate Decommissioned | 25 to 35 | 46.047 | 9/20/16 | 9.04 | 37.01 | Kane | 13 | 0.29 | 5.3 | <0.20 | 6.48 | | 379.0 | | | | | | | | | | | | |
| | | | | 10/31/16 | 7.65 | 38.40 | Kane | 310 | 2.6 | <2.0 | <2.0 | 6.59 | 16 | 364.0 | | | | | | | | | | | | |
| MW-27 | Shallow | 6 to 16 | 48.177 | 9/15/16 | 10.43 | 37.75 | Kane | 120 | <1.0 | <1.0 | <1.0 | 6.31 | | 87.0 | | | | | | | | | | | | |
| | | | | 10/31/16 | 8.22 | 39.96 | Kane | 120 | <0.40 | <0.40 | <0.40 | 5.95 | 16.4 | 63.0 | | | | | | | | | | | | |
| | | | | 7/19/18 | 10.40 | 37.78 | Kane | 138 | <0.50 | <1.00 | <0.20 | 5.89 | 15.2 | 126.0 | 17.18 | | | | | | | | | | | |
| | | | | 9/14/18 | 10.98 | 37.20 | Kane | 106 | <0.50 | <1.00 | <0.20 | 5.64 | 16.4 | 128.0 | 8.48 | 49.4 | <100 | 38 | 1.07 | <0.100 | <0.00863 | <0.0162 | <0.0151 | | 2.15 | |
| | | | | 12/12/18 | 10.09 | 38.09 | Kane | 169 | 0.712 | <1.00 | <0.20 | 5.17 | 14.5 | 133.3 | 7.04 | 48.3 | <100 | 34.9 | 2.67 | <0.100 | <0.00863 | <0.0162 | <0.0151 | | 0.793 | |
| | | | | 5/24/19 | 9.65 | 38.53 | Kane | 110 | <1.0 | <1.0 | <1.0 | 5.73 | 13.1 | 131.9 | 8.54 | 41.5 | <56 | 24 | 4.7 | <0.050 | <0.001 | <0.0005 | <0.0005 | | <1.0 | |
| | | | | 7/16/19 | 10.39 | 37.79 | Kane | 91 | <0.40 | <0.40 | <0.040 | 4.53 | 16.3 | 120.9 | 6.39 | 155.7 | <56 | 23 | 3.6 | <0.050 | <0.001 | <0.0005 | <0.0005 | | <1.0 | |
| | | | | 10/18/19 | 10.05 | 38.13 | Kane | 130 | <1.0 | <1.0 | <0.10 | 5.20 | 16 | 97.3 | 7.17 | 243.9 | <56 | 24 | 4.5 | <0.050 | <0.001 | <0.0005 | <0.0005 | | 8.7 | |
| | | | | 1/29/20 | 8.22 | 39.96 | Kane | 90 | 1.2 | 1.50 | <0.040 | 5.01 | 12.2 | 134.2 | 6.26 | 166.3 | 180 | 17 | 5.2 | <0.050 | <0.00055 | <0.00022 | <0.00029 | | 1.3 | |
| | | | | 4/16/20 | 8.87 | 39.31 | Kane | 75 | 0.51 | 0.89 | <0.040 | 5.47 | 14.6 | 139.6 | 3.53 | 59.6 | 91 | 17 | <2.0 | <0.050 | <0.00055 | <0.00022 | <0.00029 | | <1.0 | |
| | | | | 7/27/20 | 9.95 | 38.23 | Kane | 60 | <0.40 | <0.40 | <0.040 | 5.20 | 17.1 | 147.1 | 3.75 | 105.3 | 74 | 21 | <2.0 | <0.050 | <0.00055 | <0.00022 | <0.00029 | | 1.2 | |
| | | | | 10/19/20 | 9.98 | 38.20 | Kane | 69 | <0.40 | <0.40 | <0.040 | 4.95 | 16.9 | 105.6 | 3.67 | 76.3 | <56 | 26 | <2.0 | <0.050 | 0.0036 | <0.00022 | <0.00029 | | 1.0 | |
| | | | | 2/26/21 | 7.87 | 40.31 | Kane | 54 | <0.40 | <0.40 | <0.040 | 4.92 | 11.8 | 88.0 | 0.48 | 81.8 | <56 | 18 | <2.0 | <0.050 | 1.3 | <0.0033 | <0.0043 | <1.0 | | |
| MW-28 | Intermediate | 25 to 35 | 48.187 | 9/15/16 | 10.39 | 37.80 | Kane | <0.20 | <0.20 | <0.20 | <0.20 | 6.22 | | 157.0 | | | | | | | | | | | | |
| | | | | 11/1/16 | 8.8 | 39.39 | Kane | <0.20 | <0.20 | <0.20 | <0.20 | 5.97 | 15.2 | 105.0 | | | | | | | | | | | | |
| | | | | 7/19/18 | 10.48 | 37.71 | Kane | <1.00 | <0.50 | <1.00 | <0.20 | 6.32 | 14.2 | 122.0 | 3.12 | | | | | | | | | | | |
| | | | | 9/14/18 | 10.6 | 37.59 | Kane | <1.00 | <0.50 | <1.00 | <0.20 | 6.12 | 14.6 | 127.0 | 2.01 | 62.4 | <100 | 8.42 | 7.43 | <0.100 | <0.00863 | <0.0162 | <0.0151 | | 2.44 | |
| | | | | 12/12/18 | 10.01 | 38.18 | Kane | <1.00 | <0.50 | <1.00 | <0.20 | 5.70 | 13.9 | 130.1 | 1.78 | 48.7 | <100 | 11.8 | 8.06 | <0.100 | <0.00863 | <0.0162 | <0.0151 | | 0.69 | |
| | | | | 2/19/19 | 9.07 | 39.12 | Kane | <1.0 | <0.50 | <1.0 | <0.20 | 5.73 | 13.0 | 108.6 | 2.56 | 202.9 | <100 | 8.78 | 5.65 | <0.10 | <0.00863 | <0.0162 | <0.0151 | | 0.618 | |
| | | | | 5/24/19 | 9.85 | 38.34 | Kane | <0.20 | <0.20 | <0.20 | <0.20 | 5.54 | 13.6 | 116.0 | 1.8 | -74.6 | <56 | 9.5 | 6.2 | <0.050 | 0.0096 | <0.0005 | <0.0005 | <1.0 | | |
| MW-29 | Deep | 45 to 55 | 48.242 | 9/15/16 | 10.5 | 37.74 | Kane | <0.20 | <0.20 | <0.20 | <0.20 | 7.33 | | 254.0 | | | | | | | | | | | | |
| | | | | 10/27/16 | 9.01 | 39.23 | Kane | 0.44 | <0.20 | <0.20 | <0.20 | 7.06 | 14.5 | 252.0 | | | | | | | | | | | | |
| | | | | 7/17/18 | 10.32 | 37.92 | Kane | <1.00 | <0.50 | <1.00 | <0.20 | 7.57 | 14.4 | 236.0 | 0.00 | | | | | | | | | | | |
| | | | | 9/14/18 | 10.73 | 37.51 | Kane | <1.00 | <0.50 | <1.00 | <0.20 | 7.31 | 14.5 | 262.0 | 0.08 | 19.3 | 191 | 8.37 | 7.17 | 0.255 | 0.0242 | <0.0162 | <0.0151 | | 4.32 | |
| | | | | 12/12/18 | 10.25 | 37.99 | Kane | 1.06 | <0.50 | <1.00 | <0.20 | 7.05 | 13.8 | 276.8 | 0.15 | -16.7 | <100 | 6.72 | 5.32 | 0.243 | 0.04 | <0.0162 | <0.0151 | | 3.02 | |
| | | | | 6/4/19 | 10.08 | 38.16 | Kane | 0.26 | <0.20 | <0.20 | <0.20 | 7.40 | 16.3 | 265.3 | 0.25 | 15 | 450 | <5.0 | 26 | 0.25 | 0.32 | <0.015 | <0.015 | | 2.2 | |
| | | | | 7/16/19 | 10.61 | 37.63 | Kane | <0.20 | <0.20 | <0.20 | <0.020 | 6.88 | 16.2 | 274.4 | 0.11 | -106.2 | 460 | <5.0 | 5.2 | 0.3 | 0.35 | <0.0005 | <0.00050 | | 2.1 | |
| | | | | 10/18/19 | 10.48 | 37.76 | Kane | <0.20 | <0.20 | <0.20 | <0.020 | 6.99 | 14.5 | 207.7 | 0.11 | 7.4 | 610 | <5.0 | 6.4 | 0.29 | 0.39 | <0.0005 | <0.0005 | | 2.2 | |
| | | | | 1/29/20 | 9.61 | 38.63 | Kane | <0.20 | <0.20 | <0.20 | <0.020 | 7.29 | 13.7 | 249.5 | 0.04 | -82 | 570 | <5.0 | 6.3 | 0.24 | 0.36 | <0.00022 | <0.00029 | | 1.9 | |
| | | | | 4/16/20 | 9.71 | 32.53 | Kane | <0.20 | <0.20 | <0. | | | | | | | | | | | | | | | | |

Table 1
Bothell Service Center Simon Son
Groundwater Analytical Results

| Well | Well Type and Water Bearing Zone | Screened Depth, (ft bgs) | Top of Casing (TOC) Elevation (feet)* | Date Sampled | Depth to Water (ft below TOC) | GW Elevation (feet) | Sampled By | PCE (µg/L) | TCE (µg/L) | (cis) 1,2-DCE (µg/L) | Vinyl Chloride (µg/L) | pH (units) | Temp (°C) | Conductivity (µS) | Dissolved Oxygen (mg/L) | Oxidation Reduction Potential (mV) | Dissolved Iron (ug/L) | Sulfate (mg/L) | Chloride (mg/L) | Ammonia as N (mg/L) | Methane (mg/L) | Ethane (mg/L) | Ethene (mg/L) | Total Organic Carbon (mg/L) | | |
|----------|----------------------------------|--------------------------|---------------------------------------|--------------|-------------------------------|---------------------|------------|------------|------------|----------------------|-----------------------|------------|-----------|-------------------|-------------------------|------------------------------------|-----------------------|----------------|-----------------|---------------------|----------------|---------------|---------------|-----------------------------|--|--|
| MW-32 | Deep Decommissioned | 45 to 55 | 45.952 | 9/19/16 | 8.94 | 37.01 | Kane | 950 | 7.7 | <4.0 | <4.0 | 7.57 | | 285.0 | | | | | | | | | | | | |
| | | | | 10/27/16 | 7.51 | 38.44 | Kane | 1,200 | <10 | <10 | <10 | 7.65 | 14.8 | 276.0 | | | | | | | | | | | | |
| MW-33 | Deep | 40 to 50 | 49.547 | 9/16/16 | 10.61 | 38.94 | Kane | <0.20 | <0.20 | <0.20 | <0.20 | 6.38 | | 258.0 | | | | | | | | | | | | |
| | | | | 10/27/16 | 9.19 | 40.36 | Kane | 0.34 | <0.20 | <0.20 | <0.20 | 6.37 | 15.0 | 221.0 | | | | | | | | | | | | |
| | | | | 12/5/18 | 10.4 | 39.15 | Kane | <1.00 | <0.50 | <1.00 | <0.20 | 6.13 | 18.1 | 174.3 | 0.07 | 43.5 | <100 | 10.6 | 6.74 | <0.100 | <0.00863 | <0.0162 | <0.0151 | 3.01 | | |
| | | | | 2/19/19 | 9.17 | 40.38 | Kane | <1.0 | <0.50 | <1.0 | <0.20 | 6.35 | 15.1 | 164.3 | 0.18 | 204.8 | <100 | 11.5 | 6.45 | <0.10 | <0.00863 | <0.0162 | <0.0151 | 1.44 | | |
| | | | | 6/4/19 | 10.56 | 38.99 | Kane | <0.20 | <0.20 | <0.20 | <0.20 | 6.42 | 16.1 | 196.6 | 0.19 | 31.6 | <56 | 13 | 6.6 | <0.050 | 0.0012 | <0.0005 | <0.0005 | 1.5 | | |
| MW-34 | Deep | 40 to 50 | 46.597 | 9/16/16 | 9.19 | 37.41 | Kane | 20 | 1.5 | 12 | 0.29 | 6.33 | | 271.0 | | | | | | | | | | | | |
| | | | | 10/27/16 | 7.75 | 38.85 | Kane | 6.6 | 0.54 | 2.4 | <0.20 | 6.21 | 15.6 | 254.0 | | | | | | | | | | | | |
| | | | | 7/16/18 | 8.82 | 37.78 | Kane | <1.00 | <0.50 | <1.00 | <0.20 | 6.53 | 15.5 | 240.0 | 0.00 | | | | | | | | | | | |
| | | | | 9/18/18 | 9.45 | 37.15 | Kane | <1.00 | <0.50 | <1.00 | <0.20 | 6.37 | 17.6 | 255.0 | 0.18 | 66.2 | 724 | 11.5 | 30.5 | <0.100 | 0.0497 | <0.0162 | <0.0151 | 2.92 | | |
| | | | | 12/11/18 | 8.5 | 38.10 | Kane | <1.00 | <0.50 | <1.00 | <0.20 | 5.92 | 22.9 | 284.6 | 0.09 | 44.3 | 561 | 13.5 | 39 | <0.100 | 0.0103 | <0.0162 | <0.0151 | 1.2 | | |
| | | | | 2/21/19 | 7.59 | 39.01 | Kane | 1.29 | <0.50 | 1.52 | <0.20 | 5.95 | 27.5 | 255.8 | 0.22 | 91.9 | 367 | 14.6 | 32.7 | <0.10 | 0.0274 | <0.0162 | <0.0151 | 10.49 | | |
| | | | | 6/3/19 | 8.28 | 38.32 | Kane | 1.3 | <0.20 | 3.2 | <0.20 | 6.16 | 32.4 | 263.9 | 0.19 | 18.6 | 440 | 15 | 29 | <0.050 | 0.14 | <0.0075 | <0.0075 | 1.8 | | |
| MW-35 | Deep | 48 to 58 | 44.247 | 9/16/16 | 8.19 | 36.06 | Kane | 2.1 | <0.20 | <0.20 | <0.20 | 6.92 | | 230.0 | | | | | | | | | | | | |
| | | | | 10/27/16 | 6.65 | 37.60 | Kane | 1.4 | <0.20 | <0.20 | <0.20 | 6.92 | 14.4 | 235.0 | | | | | | | | | | | | |
| | | | | 7/16/18 | 7.74 | 36.51 | Kane | <1.00 | <0.50 | <1.00 | <0.20 | 7.35 | 15.0 | 217.0 | 0.13 | | | | | | | | | | | |
| | | | | 9/10/18 | 8.45 | 35.80 | Kane | <1.00 | <0.50 | <1.00 | <0.20 | 7.08 | 15.1 | 244.0 | 0.25 | 21.8 | 1,130 | 2.94 | 8.11 | 0.244 | 0.323 | <0.0162 | <0.0151 | 3.3 | | |
| | | | | 12/11/18 | 7.53 | 39.07 | Kane | <1.00 | <0.50 | <1.00 | <0.20 | 6.66 | 14.1 | 269.9 | 0.10 | 5.6 | 942 | 7.13 | 13.1 | 0.22 | 0.111 | <0.0162 | <0.0151 | 2.09 | | |
| | | | | 6/3/19 | 7.41 | 36.84 | Kane | 0.66 | <0.20 | <0.20 | <0.20 | 6.45 | 14.8 | 221.6 | 1.66 | 19.3 | 1,900 | 5.4 | 12 | 0.15 | 0.15 | <0.0075 | <0.0075 | 1.6 | | |
| | | | | 7/25/19 | 7.92 | 36.33 | Kane | <0.20 | <0.20 | <0.20 | <0.020 | 6.31 | 18.2 | 590.0 | 0.08 | -224 | 2,700 | 5.2 | 12 | 0.23 | 0.21 | <0.0005 | <0.0005 | 1.9 | | |
| | | | | 10/18/19 | 7.97 | 36.28 | Kane | 4.0 | <0.20 | 0.44 | <0.020 | 5.76 | 15.1 | 166.7 | 0.15 | 83.2 | <56 | 14 | 14 | <0.050 | 0.0016 | <0.0005 | <0.0005 | <1.0 | | |
| | | | | 1/28/20 | 7.13 | 37.12 | Kane | 0.49 | <0.20 | <0.20 | 0.040 | 6.86 | 13.8 | 215.9 | 0.05 | -29.1 | 2,700 | <5.0 | 6.6 | 0.15 | 0.39 | <0.00022 | <0.00029 | 1.9 | | |
| | | | | 4/22/20 | 7.68 | 36.57 | Kane | 2.10 | <0.20 | <0.20 | <0.20 | 6.20 | 13.9 | 241.3 | 0.31 | 29.3 | <56 | 14 | 14 | <0.050 | 0.043 | <0.00022 | <0.00029 | 1.1 | | |
| | | | | 7/23/20 | 8.81 | 35.44 | Kane | 0.23 | <0.20 | <0.20 | 0.022 | 6.54 | 16.9 | 276.5 | 0.22 | 17 | 2,700 | <5.0 | 7.9 | 0.19 | 0.36 | <0.00022 | <0.00029 | 2.1 | | |
| 10/21/20 | 7.69 | 36.56 | Kane | 0.84 | <0.20 | <0.20 | 0.036 | 6.20 | 16.3 | 230.7 | 0.17 | 12.1 | 1,700 | 5.3 | 8.5 | 0.17 | 0.34 | <0.00022 | <0.00029 | 2.0 | | | | | | |
| 2/26/21 | 8.67 | 35.58 | Kane | <0.20 | <0.20 | <0.20 | 0.022 | 6.28 | 15.0 | 228.8 | - | -22.3 | 3,300 | <5.0 | 9.2 | 0.18 | 0.39 | <0.00022 | <0.00029 | 2.0 | | | | | | |
| MW-36 | Intermediate Decommissioned | 25 to 35 | 47.327 | 9/19/16 | 8.68 | 38.65 | Kane | 2.5 | <0.20 | <0.20 | <0.20 | 6.56 | | 257.0 | | | | | | | | | | | | |
| | | | | 11/1/16 | 7.31 | 40.02 | Kane | 7.3 | <0.20 | <0.20 | <0.20 | 6.60 | 15.1 | 264.0 | | | | | | | | | | | | |
| MW-37 | Shallow Decommissioned | 15 to 25 | 47.557 | 9/19/16 | 9.81 | 37.75 | Kane | 0.7 | <0.20 | <0.20 | <0.20 | 6.40 | | 272.0 | | | | | | | | | | | | |
| | | | | 11/1/16 | 7.53 | 40.03 | Kane | 0.74 | <0.20 | <0.20 | <0.20 | 6.54 | 14.9 | 247.0 | | | | | | | | | | | | |
| MW-38 | Deep Decommissioned | 40 to 50 | 47.187 | 9/19/16 | 10.44 | 36.75 | Kane | 1.3 | <0.20 | <0.20 | <0.20 | 6.89 | | 271.0 | | | | | | | | | | | | |
| | | | | 10/28/16 | 7.66 | 39.53 | Kane | 0.26 | <0.20 | <0.20 | <0.20 | 6.78 | | 266.0 | | | | | | | | | | | | |
| MW-39 | Deep | 40 to 50 | 44.524 | 10/25/16 | 6.20 | 38.32 | Kane | 95 | <0.40 | <0.40 | <0.40 | 7.11 | 16.5 | 279.0 | | | | | | | | | | | | |
| | | | | 7/25/18 | 7.15 | 37.37 | Kane | <1.00 | <0.50 | 1.03 | <0.20 | 7.11 | 17.2 | 190.0 | 0.00 | | | | | | | | | | | |
| | | | | 12/17/18 | 6.33 | 38.19 | Kane | 2.32 | 2.62 | 6.81 | <0.20 | 6.39 | 24.1 | 225.4 | 0.15 | -3.5 | 4,580 | 2.13 | 3.45 | 0.563 | 0.364 | <0.0162 | <0.0151 | 3.36 | | |
| | | | | 3/13/19 | 6.32 | 38.20 | Kane | <1.00 | <1.00 | 1.99 | <0.20 | 6.08 | 26.6 | 63.3 | 1.33 | 82.2 | 4,380 | <0.300 | 3.76 | 0.445 | 0.552 | <0.0162 | <0.0151 | 4.15 | | |
| | | | | 5/29/19 | 6.49 | 38.03 | Kane | 0.33 | 0.34 | <0.20 | <0.20 | 6.61 | 28.4 | 219.2 | 0.14 | 1.8 | 4,500 | <5.0 | 4.3 | 0.48 | 1.1 | <0.10 | <0.10 | 3.3 | | |
| | | | | 7/23/19 | 7.02 | 37.50 | Kane | 0.52 | 0.63 | 1.3 | <0.020 | 6.33 | 28.2 | 215.5 | 0.25 | -96.6 | 4,300 | <5.0 | 4.3 | 0.44 | 1 | <0.0005 | <0.0005 | 2.9 | | |
| | | | | 10/24/19 | 6.94 | 37.58 | Kane | 0.52 | 0.52 | 1.6 | <0.020 | 6.1 | 26.2 | 250.0 | 0.24 | 19.8 | 4,600 | <5.0 | 4.5 | 0.48 | 0.91 | <0.0005 | <0.0005 | 3.1 | | |
| | | | | 1/28/20 | 5.53 | 38.99 | Kane | <0.20 | <0.20 | 1.8 | <0.020 | 6.5 | 20.2 | 272.1 | 0.21 | 57.1 | 5,000 | <5.0 | 4.8 | 0.53 | 0.67 | <0.00022 | <0.00029 | 3.2 | | |
| | | | | 4/27/20 | 6.17 | 38.35 | Kane | 3.1 | 2.2 | 8.9 | 0.024 | 6.43 | 21.2 | 236.2 | 4.4 | 48.5 | 440 | <5.0 | 4.3 | <0.050 | 0.0011 | <0.00022 | <0.00029 | 2.1 | | |
| | | | | 7/29/20 | 6.92 | 37.60 | Kane | <0.20 | 0.2 | 0.77 | 0.042 | 6.49 | 22.5 | 335.3 | 0.13 | -30 | 5,500 | <5.0 | 4.9 | 0.64 | 0.68 | <0.00022 | <0.00029 | 3.6 | | |
| | | | | 10/22/20 | 6.99 | 37.53 | Kane | 1.3 | 0.42 | 1.2 | 0.063 | 6.12 | 19.1 | 274.8 | 0.36 | 13.3 | 100 | <5.0 | 4.6 | 0.56 | 0.66 | <0.00022 | <0.00029 | 3.3 | | |
| 3/19/21 | 6.29 | 38.23 | Kane | 79 | 15 | 1.6 | <0.04 | 6.79 | 17.5 | 259.6 | 0.43 | -53.3 | 4,800 | <5.0 | 4.4 | 0.50 | 0.11 | <0.00022 | <0.00029 | 2.9 | | | | | | |
| MW-40 | Shallow | 15 to 25 | 44.521 | 10/25/16 | 8.21 | 36.31 | Kane | 25,000 | <100 | <100 | <100 | 6.69 | 16.5 | 321.0 | | | | | | | | | | | | |
| | | | | 11/2/16 | 6.3 | 38.22 | Kane | 11,000 | <100 | <100 | <100 | 6.73 | 14.9 | 229.0 | | | | | | | | | | | | |
| | | | | 7/25/18 | 7.00 | 37.52 | Kane | 5,460 | 55.6 | 9.5 | <0.20 | 7.24 | 20.4 | 320.0 | 0.13 | | | | | | | | | | | |
| | | | | 12/17/18 | 6.28 | 38.24 | Kane | 212 | 46 | 56.7 | <0.20 | 6.43 | 34.3 | 69.2 | 2.39 | 52.6 | <100 | 1.55 | 0.586 | <0.100 | <0.00863 | <0.0162 | <0.0151 | 1.11 | | |
| | | | | 3/13/19 | 6.29 | 38.23 | Kane | 213 | 146 | 746 | <0.20 | 6.08 | 29.5 | 63.3 | 1.33 | 82.2 | <100 | 0.819 | 2.08 | <0.10 | 0.00959 | <0.0162 | <0.0151 | 2.03 | | |
| | | | | 5/29/19 | 6.49 | 38.03 | Kane | 560 | 600 | 4,300 | <20 | 6.41 | 30.7 | 268.1 | 0.23 | 3.8 | 7,600 | <5.0 | 11 | 0.35 | 0.47 | 0.011 | <0.025 | 11 | | |
| | | | | 7/23/19 | 7.00 | 37.52 | Kane | 530 | 380 | 4,700 | 11 | 6.29 | 30.5 | 319.8 | 0.05 | -112.4 | 19,000 | <5.0 | 12 | 0.39 | 0.49 | 0.0082 | <0.0005 | 12 | | |
| | | | | 10/25/19 | 6.82 | 37.70 | Kane | 65 | 84 | 1,500 | 1.6 | 5.82 | 23.7 | 163.6 | 0.06 | 35.6 | 4,600 | <5.0 | 4.9 | 0.14 | | | | | | |

Table 1
Bothell Service Center Simon Son
Groundwater Analytical Results

| Well | Well Type and Water Bearing Zone | Screened Depth, (ft bgs) | Top of Casing (TOC) Elevation (feet)* | Date Sampled | Depth to Water (ft below TOC) | GW Elevation (feet) | Sampled By | PCE (µg/L) | TCE (µg/L) | (cis) 1,2-DCE (µg/L) | Vinyl Chloride (µg/L) | pH (units) | Temp (°C) | Conductivity (µS) | Dissolved Oxygen (mg/L) | Oxidation Reduction Potential (mV) | Dissolved Iron (ug/L) | Sulfate (mg/L) | Chloride (mg/L) | Ammonia as N (mg/L) | Methane (mg/L) | Ethane (mg/L) | Ethene (mg/L) | Total Organic Carbon (mg/L) | | |
|----------|----------------------------------|--------------------------|---------------------------------------|--------------|-------------------------------|---------------------|-------------|-------------|-------------|----------------------|-----------------------|------------|-----------|-------------------|-------------------------|------------------------------------|-----------------------|----------------|-----------------|---------------------|----------------|---------------|---------------|-----------------------------|--|--|
| MW-42 | Int./Deep | 30 to 45 | 48.354 | 1/3/19 | 10.21 | 38.14 | Kane | <1.00 | <0.50 | <1.0 | <0.20 | | | | | | | | | | | | | | | |
| | | | | 3/18/19 | 8.79 | 39.56 | Kane | <1.00 | <0.50 | <1.0 | <0.20 | 6.63 | 32.8 | 155.4 | 0.06 | 76.4 | 821 | 1.99 | 3.57 | 0.266 | 0.177 | <0.0162 | <0.0151 | 1.9 | | |
| | | | | 6/5/19 | 9.11 | 39.24 | Kane | <0.20 | <0.20 | <0.20 | <0.20 | 6.92 | 22.9 | 216.9 | 0.13 | 5 | 5,500 | <5.0 | 6.3 | 0.2 | 4.1 | <0.25 | <0.25 | 2.3 | | |
| | | | | 7/30/19 | 9.65 | 38.70 | Kane | <0.20 | <0.20 | 0.72 | 0.053 | 6.49 | 26.4 | 713.0 | 0.05 | -321.9 | 5,300 | 8 | 8.1 | 0.27 | 2.5 | <0.0005 | <0.0005 | 1.7 | | |
| | | | | 10/22/19 | 9.29 | 39.06 | Kane | <0.20 | 1.90 | 1.9 | 0.056 | 6.04 | 18.3 | 254.0 | 0.10 | -10.2 | 7,600 | 7.3 | 13 | 0.28 | 3.2 | <0.0005 | <0.0005 | 3.9 | | |
| | | | | 1/29/20 | 8.49 | 39.87 | Kane | <0.20 | <0.20 | 20 | 3.3 | 6.52 | 14.1 | 454.1 | 0.02 | -24.8 | 19,000 | <0.50 | 14 | 0.16 | 7.1 | <0.00022 | <0.00029 | 6.3 | | |
| | | | | 4/16/20 | 8.88 | 39.47 | Kane | <0.20 | <0.20 | 26 | 27 | 6.46 | 14.7 | 567.6 | 0.47 | -19.2 | 25,000 | <5.0 | 14 | 0.21 | 8.9 | <0.00022 | 0.012 | 3.5 | | |
| | | | | 7/24/20 | 9.08 | 39.27 | Kane | <0.20 | <0.20 | 5.3 | 15 | 6.20 | 16.4 | 570.9 | 0.23 | -34.7 | 36,000 | <5.0 | 13 | 0.41 | 5 | <0.00022 | 0.037 | 5.5 | | |
| 10/26/20 | 9.26 | 39.09 | Kane | <0.20 | <0.20 | 9.9 | 4.5 | 6.18 | 15.6 | 549.0 | 0.25 | -57.1 | 32,000 | <5.0 | 14 | 0.39 | 7.3 | <0.00022 | 0.0082 | 32 | | | | | | |
| 3/1/21 | 8.33 | 40.02 | Kane | <0.20 | <0.20 | 1.7 | 1.4 | 5.86 | 14.4 | 626.1 | - | -82.6 | 42,000 | <5.0 | 14 | 1.3 | 5.9 | <0.022 | <0.029 | 7.7 | | | | | | |
| MW-43 | Shallow | 10 to 25 | 48.057 | 1/2/19 | 10.4 | 37.66 | Kane | 225 | 31.6 | 7.16 | <0.20 | | | | | | | | | | | | | | | |
| | | | | 3/18/19 | 8.42 | 39.64 | Kane | 1.66 | <0.50 | 1.20 | <0.20 | 6.61 | 33.3 | 183.6 | 0.10 | -4.6 | 286 | 14.4 | 3.34 | <0.10 | 0.0336 | <0.0162 | <0.0151 | 8.25 | | |
| | | | | 6/5/19 | 8.68 | 39.38 | Kane | 9.10 | 7.60 | 35.0 | <0.20 | 6.86 | 24.1 | 168.3 | 0.09 | 21.5 | 450 | 15 | 3.7 | 0.08 | 0.53 | <0.038 | <0.038 | 5.8 | | |
| | | | | 7/30/19 | 9.17 | 38.89 | Kane | <0.20 | 0.23 | 2.0 | <0.020 | 6.32 | 26.0 | 711.0 | 0.09 | -281 | 280 | 11 | 5.7 | 0.11 | 0.44 | <0.0005 | <0.0005 | 4.7 | | |
| | | | | 10/22/19 | 9.67 | 38.39 | Kane | 0.80 | <0.20 | 24.0 | 0.29 | 6.17 | 19.2 | 552.0 | 0.06 | -40.2 | 18,000 | 9.3 | 10 | 0.43 | 0.32 | <0.0005 | <0.0005 | 110 | | |
| | | | | 1/29/20 | 7.76 | 40.30 | Kane | 0.88 | <0.20 | 8.7 | 1.9 | 6.58 | 12.2 | 836.0 | 0.18 | 141.7 | 1,800 | 130 | 8.2 | 0.66 | 0.42 | <0.00022 | 0.0029 | 10 | | |
| | | | | 4/21/20 | 7.62 | 40.44 | Kane | 0.47 | <0.20 | 17 | 5.8 | 6.61 | 23 | 456.7 | 0.13 | 19.7 | 6,800 | 22 | 7.9 | 0.49 | 0.51 | <0.00022 | 0.0055 | 15 | | |
| | | | | 7/24/20 | 8.25 | 39.81 | Kane | 0.36 | <0.20 | 11 | 3.5 | 6.84 | 17.3 | 695.0 | 0.15 | -27.4 | 3,300 | 35 | 6.4 | 0.48 | 1.4 | <0.00022 | 0.0035 | 9.7 | | |
| 11/17/20 | 8.48 | 39.58 | Kane | <0.20 | <0.20 | 2.0 | 0.93 | 6.48 | 18 | 601.0 | 0.15 | -1.4 | 2,800 | 60 | 5.5 | 0.50 | 1.6 | <0.00022 | 0.0035 | 9.0 | | | | | | |
| 3/4/21 | 7.54 | 40.52 | Kane | 0.31 | <0.20 | 5.1 | 4.8 | 6.88 | 12.4 | 747.0 | 0.42 | -245.4 | 6,200 | 6.6 | 4.9 | 0.54 | 2.2 | <0.00022 | 0.0033 | 13 | | | | | | |
| MW-44 | Intermediate | 25 to 35 | 46.018 | 6/6/19 | 7.49 | 38.53 | Kane | <0.20 | 1.70 | 28.0 | <0.20 | 6.35 | 51.4 | 229.6 | 0.18 | -1.9 | 1,700 | <5.0 | 7.6 | 0.49 | 0.24 | <0.025 | <0.025 | 19 | | |
| | | | | 7/25/19 | 8.11 | 37.91 | Kane | <0.20 | 1.50 | 2.7 | 0.047 | 6.15 | 47.4 | 254.1 | 0.34 | -77 | 2,200 | <5.0 | 6.6 | 0.71 | 0.13 | <0.0005 | 0.0039 | 20 | | |
| | | | | 10/22/19 | 9.85 | 36.17 | Kane | <0.20 | 0.77 | 14.0 | 0.29 | 5.94 | 37.2 | 450.1 | 0.07 | 15.4 | 3,900 | <5.0 | 12 | 0.73 | 1.4 | <0.0005 | 0.0011 | 22 | | |
| | | | | 1/29/20 | 7.14 | 38.88 | Kane | <0.40 | 1.20 | 38.0 | 0.48 | 6.44 | 27.5 | 349.5 | 0.13 | 46.8 | 3,400 | <5.0 | 10 | 0.62 | 9.9 | <0.00022 | <0.00029 | 16 | | |
| | | | | 4/21/20 | 7.62 | 38.40 | Kane | <0.20 | <0.20 | 22.0 | 32 | 6.61 | 23 | 456.7 | 0.13 | 19.7 | 4,800 | <5.0 | 11 | 0.62 | 8.7 | <0.00022 | 0.0075 | 18 | | |
| | | | | 7/23/20 | 8.02 | 38.00 | Kane | <0.20 | <0.20 | 3.8 | 28 | 6.55 | 24.5 | 964.9 | 0.14 | -13.8 | 4,100 | <5.0 | 12 | 0.58 | 13 | <0.00022 | 0.047 | 13 | | |
| | | | | 10/22/20 | 8.15 | 37.87 | Kane | <0.20 | <0.20 | 2.5 | 10 | 6.27 | 22.5 | 400.2 | 0.11 | -35.7 | 1,200 | <5.0 | 12 | 0.65 | 8.3 | <0.00022 | 0.023 | 9.2 | | |
| 3/1/21 | 7.20 | 38.82 | Kane | <0.2 | <0.2 | <0.2 | 3.9 | 6.22 | 18.1 | 462.6 | - | -45.8 | 3,600 | <5.0 | 11 | 0.54 | 8.5 | <0.00022 | 0.025 | 12 | | | | | | |
| MW-45 | Shallow | 7 to 17 | 45.855 | 6/6/19 | 7.29 | 38.57 | Kane | <0.20 | <0.20 | 6.0 | <0.20 | 6.81 | 45.7 | 798.0 | 0.09 | 18.4 | 770 | <5.0 | 38 | 0.36 | 0.11 | <0.0075 | <0.0075 | 120 | | |
| | | | | 7/25/19 | 7.96 | 37.90 | Kane | <0.20 | <0.20 | 0.75 | 0.043 | 6.49 | 44.1 | 825.0 | 0.25 | -67.4 | 2,000 | <5.0 | 21 | 0.63 | 1.2 | <0.0005 | <0.0005 | 88 | | |
| | | | | 10/22/19 | 7.44 | 38.42 | Kane | <0.20 | <0.20 | 0.88 | <0.020 | 6.28 | 32.5 | 569.0 | 0.14 | 51.6 | 1,600 | 12 | 15 | 0.75 | 1.5 | <0.0005 | <0.0005 | 33 | | |
| | | | | 1/29/20 | 6.6 | 39.26 | Kane | <1.0 | <1.0 | 160 | 46 | 6.70 | 21.8 | 609.0 | 0.01 | -54.2 | 5,400 | <5.0 | 14 | 0.79 | 5.2 | <0.00022 | 0.0072 | 21 | | |
| | | | | 4/21/20 | 7.41 | 38.45 | Kane | <0.20 | <0.20 | 0.4 | 7.0 | 6.78 | 19.9 | 848.0 | 0.19 | 7.1 | 2,800 | <5.0 | 16 | 0.87 | 8.6 | <0.00022 | 0.011 | 41 | | |
| | | | | 7/23/20 | 7.67 | 38.19 | Kane | <0.20 | <0.20 | 0.26 | 3.7 | 6.50 | 24.1 | 880.0 | 0.11 | -13.6 | 6,100 | <5.0 | 18 | 1.2 | 11 | <0.00022 | 0.0052 | 60 | | |
| | | | | 10/22/20 | 7.73 | 38.13 | Kane | <0.20 | <0.20 | <0.20 | 2.4 | 6.39 | 23.3 | 872.0 | 0.11 | -35.0 | 130 | <5.0 | 13 | 1.1 | 8.0 | <0.00022 | 0.0056 | 31 | | |
| 3/1/21 | 6.83 | 39.03 | Kane | <0.20 | <0.20 | 0.25 | 3.3 | 6.30 | 16.7 | 798.0 | - | -56.5 | 7,400 | <5.0 | 11 | 1.5 | 4.3 | <0.00022 | 0.0016 | 11 | | | | | | |
| HZ-MW-1 | Shallow | 5 to 15 | 41.637 | 9/5/08 | | | HWA | 0.58 | <0.2 | <0.2 | <0.20 | | | | | | | | | | | | | | | |
| | | | | 5/30/14 | | | HWA | 21 | 0.22 | <0.20 | <0.20 | 6.62 | | 478.0 | 3.23 | | | | | | | | | | | |
| | | | | 9/12/14 | | | HWA | 33 | 0.33 | <0.20 | <0.20 | 6.51 | | 279.0 | 2.35 | | | | | | | | | | | |
| | | | | 12/15/14 | | | HWA | 15 | <0.20 | <0.20 | <0.20 | 6.3 | | 223.0 | 2.02 | | | | | | | | | | | |
| | | | | 3/19/15 | | | HWA | 11 | <0.20 | <0.20 | <0.20 | 6.54 | | 295.0 | 8.29 | | | | | | | | | | | |
| | | | | 9/21/16 | 7.89 | 33.75 | Kane | 7.2 | <0.20 | <0.20 | <0.20 | 6.42 | | 120.0 | | | | | | | | | | | | |
| | | | | 10/31/16 | 6.23 | 35.41 | Kane | 6.9 | <0.20 | <0.20 | <0.20 | 6.49 | 14.5 | 113.0 | | | | | | | | | | | | |
| | | | | 7/20/18 | 7.47 | 34.17 | Kane | <1.00 | <0.50 | <1.00 | <0.20 | 6.73 | 16.9 | 125.0 | 10.69 | | | | | | | | | | | |
| | | | | 9/13/18 | 8.2 | 33.44 | Kane | 10.8 | <0.50 | <1.00 | <0.20 | 6.59 | 18.7 | 139.0 | 7.20 | 100.6 | <100 | 6.43 | 2.73 | <0.100 | <0.00863 | <0.0162 | <0.0151 | 1.54 | | |
| | | | | 12/19/18 | 6.94 | 34.70 | Kane | 7.8 | <0.50 | <1.00 | <0.20 | 6.21 | 13.5 | 159.8 | 5.00 | 45 | <100 | 8.54 | 3.43 | <0.100 | <0.00863 | <0.0162 | <0.0151 | 1.17 | | |
| | | | | 5/30/19 | 6.81 | 34.83 | Kane | 11 | <0.20 | <0.20 | <0.20 | 6.55 | 14.0 | 190.5 | 7.81 | 15.2 | <56 | 7.4 | 5.9 | <0.050 | 0.0014 | <0.0005 | <0.0005 | 1.1 | | |
| | | | | 7/30/19 | 7.2 | 34.44 | Kane | 14 | <0.20 | 1.1 | <0.020 | 6.17 | 17.3 | 189.6 | 4.08 | -70.1 | <56 | 6.6 | 4.4 | <0.050 | <0.001 | <0.0005 | <0.0005 | 1 | | |
| | | | | 10/21/19 | 7.45 | 34.19 | Kane | 15 | <0.20 | 0.61 | <0.020 | 5.65 | 15.9 | 172.5 | 4.58 | 200 | <56 | 6.5 | 5.1 | <0.050 | <0.001 | <0.0005 | <0.0005 | 1.1 | | |
| | | | | 1/24/20 | 6.39 | 35.25 | Kane | 5.9 | <0.20 | <0.20 | <0.020 | 5.85 | 12.6 | 173.1 | 24.0 | 86.3 | <56 | 16 | 4.0 | <0.050 | 1.5 | <0.00022 | <0.00029 | 1.2 | | |
| | | | | 4/14/20 | 6.33 | 35.35 | Kane | 33 | 1.1 | 1.2 | 0.15 | 6.20 | 12.9 | 301.4 | 1.1 | -3.8 | <56 | 16 | 6.3 | <0.050 | 1.2 | <0.00022 | <0.00029 | 1.6 | | |
| 7/17/20 | 6.88 | 34.76 | Kane | 40 | 2.6 | 4.5 | 2.1 | 5.91 | 17.9 | 305.0 | 0.5 | 71.9 | <56 | 12 | 6.0 | <0.050 | 18 | <0.00022 | <0.00029 | 1.7 | | | | | | |
| 10/27/20 | 7.42 | 34.22 | Kane | 8.6 | 0.53 | 3.2 | 0.89 | 6.50 | 16.6</ | | | | | | | | | | | | | | | | | |

Table 1
Bothell Service Center Simon Son
Groundwater Analytical Results

| Well | Well Type and Water Bearing Zone | Screened Depth, (ft bgs) | Top of Casing (TOC) Elevation (feet)* | Date Sampled | Depth to Water (ft below TOC) | GW Elevation (feet) | Sampled By | PCE (µg/L) | TCE (µg/L) | (cis) 1,2-DCE (µg/L) | Vinyl Chloride (µg/L) | pH (units) | Temp (°C) | Conductivity (µS) | Dissolved Oxygen (mg/L) | Oxidation Reduction Potential (mV) | Dissolved Iron (ug/L) | Sulfate (mg/L) | Chloride (mg/L) | Ammonia as N (mg/L) | Methane (mg/L) | Ethane (mg/L) | Ethene (mg/L) | Total Organic Carbon (mg/L) | | | | |
|-----------|----------------------------------|--------------------------|---------------------------------------|--------------|-------------------------------|---------------------|------------|--------------|-------------|----------------------|-----------------------|------------|-----------|-------------------|-------------------------|------------------------------------|-----------------------|----------------|-----------------|---------------------|----------------|---------------|---------------|-----------------------------|-------|-------|-----|--|
| | | | | 10/28/16 | 5.22 | 34.96 | Kane | <0.20 | <0.20 | <0.20 | <0.20 | 6.36 | 16.9 | 308.0 | | | | | | | | | | | | | | |
| | | | | 7/24/18 | 6.95 | 33.23 | Kane | <1.00 | <0.50 | <1.00 | <0.20 | 6.75 | 15.8 | 356.0 | 3.35 | | | | | | | | | | | | | |
| | | | | 9/13/18 | 7.59 | 32.59 | Kane | <1.00 | <0.50 | <1.00 | <0.20 | 6.52 | 16.9 | 354.0 | 2.25 | 53.6 | 161 | 40.7 | 13 | <0.100 | <0.00863 | <0.0162 | <0.0151 | 3.95 | | | | |
| | | | | 12/21/18 | 6.27 | 33.91 | Kane | <1.00 | <0.50 | <1.00 | <0.20 | 6.21 | 13.1 | 420.9 | 0.19 | 10 | <100 | 36.5 | 15 | <0.100 | <0.00863 | <0.0162 | <0.0151 | 3.1 | | | | |
| | | | | 5/30/19 | 6.37 | 33.81 | Kane | 0.41 | <0.20 | <0.20 | <0.20 | 6.38 | 16.3 | 446.1 | 0.30 | 45.3 | <56 | 45 | 21 | <0.050 | 0.0016 | <0.0005 | <0.0005 | 2.6 | | | | |
| HZ-MW-14S | Shallow | 5 to 15 | 42.377 | 2/25/13 | | | HWA | 2,400 | 47 | 29 | | | | | | | | | | | | | | | | | | |
| | | | | 5/29/14 | | | HWA | 1,000 | 23 | 11 | <10 | 6.46 | | 799.0 | 0.16 | | | | | | | | | | | | | |
| | | | | 9/11/14 | | | HWA | 4,900 | 96 | 78 | <20 | 6.51 | | 441.0 | 0.54 | | | | | | | | | | | | | |
| | | | | 12/15/14 | | | HWA | 790 | 16 | 13 | <4.0 | 6.34 | | 396.0 | 0.48 | | | | | | | | | | | | | |
| | | | | 3/20/15 | | | HWA | 200 | 6.5 | 3.8 | <1.0 | 6.4 | | 482.0 | 13.86 | | | | | | | | | | | | | |
| | | | | 11/11/15 | 7.65 | 34.79 | HWA | 75.0 | 3.1 | 8.6 | <0.40 | 6.10 | | 437.0 | 1.3 | 24.8 | | | 30 | | | | | 170 | <0.50 | <0.50 | 2.2 | |
| | | | | 9/26/16 | 7.52 | 34.86 | Kane | 1,800 | 57 | 110 | <2.0 | 6.34 | | 330.0 | | | | | | | | | | | | | | |
| | | | | 10/28/16 | 5.82 | 36.56 | Kane | 440 | 13 | 12 | <2.0 | 6.43 | 18.4 | 309.0 | | | | | | | | | | | | | | |
| | | | | 7/20/18 | 7 | 35.38 | Kane | 2,580 | 52.5 | 86.6 | 0.572 | 6.87 | 16.9 | 300.0 | 0.70 | | | | | | | | | | | | | |
| | | | | 9/21/18 | 7.36 | 35.02 | Kane | 2,710 | 61.9 | 203 | <2.0 | 6.52 | 19.1 | 346.0 | 0.13 | 42.9 | <100 | 27.4 | 7.81 | <0.100 | 0.361 | <0.0162 | <0.0151 | 3.87 | | | | |
| | | | | 12/13/18 | 6.23 | 36.15 | Kane | 240 | 7.33 | 6.12 | <0.20 | 6.11 | 15.5 | 327.3 | 0.17 | 20.4 | <100 | 22.4 | 7.29 | <0.100 | <0.00863 | <0.0162 | <0.0151 | 1.89 | | | | |
| | | | | 5/21/19 | 6.43 | 35.95 | Kane | 240 | 7.0 | 3.2 | <2.0 | 6.47 | 14.7 | 339.2 | 0.11 | -26.3 | 490 | 21 | 7.2 | <0.050 | 0.053 | <0.005 | <0.005 | 1.7 | | | | |
| | | | | 7/25/19 | 6.31 | 36.07 | Kane | 160 | 6.8 | 7 | <0.10 | 6.15 | 20.8 | 303.6 | 0.23 | -57.4 | 160 | 18 | 7.8 | 0.53 | 0.018 | <0.0005 | <0.0005 | 1.8 | | | | |
| | | | | 10/16/19 | 6.99 | 35.39 | Kane | 78 | 5.9 | 3.6 | <0.04 | 6.41 | 18.7 | 295.1 | 0.05 | 103.9 | <56 | 17 | 8 | <0.050 | 0.29 | <0.0005 | <0.0005 | 1.9 | | | | |
| | | | | 1/22/20 | 5.65 | 36.73 | Kane | 23 | 4.2 | 15 | 0.069 | 6.31 | 11.6 | 265.0 | 2.22 | 115 | <56 | 19 | 9.5 | <0.050 | 0.014 | <0.00022 | <0.00029 | 2.8 | | | | |
| | | | | 4/15/20 | 5.76 | 36.62 | Kane | 55 | 3.5 | 4.3 | 3.0 | 6.12 | 13.0 | 320.4 | 0.24 | 11.5 | <56 | 18 | 8.1 | <0.050 | 6.9 | <0.00022 | 0.019 | 2.1 | | | | |
| | | | | 7/21/20 | 7.45 | 34.93 | Kane | 160 | 15 | 88 | 26 | 6.04 | 18.7 | 315.7 | 0.25 | 79.6 | 76 | 19 | 8.6 | <0.050 | 8.6 | <0.00022 | 0.0015 | 2.0 | | | | |
| | | | | 10/23/20 | 7.13 | 35.25 | Kane | 270 | 37 | 120 | 34 | 5.76 | 17.0 | 280.3 | 0.17 | 114.0 | <56 | 19 | 7.4 | 0.051 | 9.5 | <0.00022 | 0.015 | 2.0 | | | | |
| 3/3/21 | 4.33 | 38.05 | Kane | 210 | 22 | 28 | 15 | 5.88 | 13.1 | 255.7 | 0.57 | 96.5 | <56 | 13 | 4.1 | <0.050 | 9.5 | <0.00022 | 0.016 | 2.5 | | | | | | | | |
| HZ-MW-14D | Intermediate | 30 to 40 | 42.397 | 2/25/13 | | | HWA | 360 | 7.6 | 21 | | | | | | | | | | | | | | | | | | |
| | | | | 5/29/14 | | | HWA | 100 | 3.7 | 16 | <1.0 | 6.47 | | 622.0 | 0.23 | | | | | | | | | | | | | |
| | | | | 9/11/14 | | | HWA | 100 | 3.2 | 17 | <1.0 | 6.45 | | 352.0 | 0.28 | | | | | | | | | | | | | |
| | | | | 12/15/14 | | | HWA | 100 | 2.8 | 15 | <1.0 | 6.41 | | 332.0 | 0.87 | | | | | | | | | | | | | |
| | | | | 3/20/15 | | | HWA | 62 | 2.4 | 9.8 | <0.40 | 6.69 | | 423.0 | NA | | | | | | | | | | | | | |
| | | | | 11/11/15 | 8.12 | 34.31 | HWA | 970 | 16 | 14 | <10 | 6.08 | | 414.0 | 0.00 | 24.9 | | 12 | | | | | | 69 | <0.50 | <0.50 | 1.2 | |
| | | | | 9/26/16 | 7.38 | 35.02 | Kane | 37 | 1.5 | 2.9 | <0.20 | 6.10 | | 434.0 | | | | | | | | | | | | | | |
| | | | | 10/28/16 | 5.62 | 36.78 | Kane | 55 | 2.8 | 6.1 | <0.20 | 6.21 | 18.1 | 373.0 | | | | | | | | | | | | | | |
| | | | | 7/20/18 | 6.96 | 35.44 | Kane | 42.9 | 2.18 | 7.55 | <0.20 | 6.42 | 16.4 | 220.0 | 0.33 | | | | | | | | | | | | | |
| | | | | 9/19/18 | 7.19 | 35.21 | Kane | 36.4 | 1.98 | 7.14 | <0.20 | 6.23 | 15.9 | 500.0 | 0.23 | 100.4 | <100 | 10 | 100 | <0.100 | 0.0317 | <0.0162 | <0.0151 | 4.3 | | | | |
| | | | | 12/13/18 | 6.7 | 35.70 | Kane | 44.2 | 3.3 | 13.5 | <0.20 | 5.87 | 14.9 | 523.1 | 0.07 | 36 | <100 | 15.5 | 90.8 | <0.100 | 0.0524 | <0.0162 | <0.0151 | 0.968 | | | | |
| | | | | 5/21/19 | 6.16 | 36.24 | Kane | 65 | 2.9 | 12 | <0.20 | 6.09 | 14.7 | 500.3 | 0.06 | -40.7 | <56 | 10 | 87 | <0.050 | 0.18 | <0.01 | <0.01 | <1.0 | | | | |
| | | | | 7/30/19 | 6.92 | 35.48 | Kane | 100 | 4.7 | 28 | 0.30 | 5.84 | 19.6 | 454.8 | 0.22 | -86.5 | <56 | 11 | 69 | <0.050 | 0.92 | <0.0005 | <0.0005 | 1 | | | | |
| | | | | 10/16/19 | 7.7 | 34.70 | Kane | 190 | 7.9 | 48 | 0.51 | 6.13 | 16.3 | 443.8 | 0.02 | 143.8 | <56 | 9.3 | 75 | <0.050 | 1.5 | <0.0005 | <0.0005 | <1.0 | | | | |
| | | | | 1/22/20 | 5.98 | 36.42 | Kane | 400 | 24 | 140 | 1.1 | 5.99 | 13.0 | 453.7 | 2.10 | 132.8 | <56 | 11 | 65 | <0.050 | 2.6 | <0.00022 | <0.00029 | 1.2 | | | | |
| | | | | 4/15/20 | 6.14 | 36.26 | Kane | 400 | 24 | 110 | 0.76 | 6.13 | 14.2 | 443.4 | 0.28 | 14.4 | <56 | 13 | 52 | <0.050 | 1.8 | <0.00022 | <0.00029 | 1.2 | | | | |
| | | | | 7/21/20 | 6.78 | 35.65 | Kane | 210 | 15 | 61 | 0.35 | 5.86 | 18.0 | 415.7 | 0.32 | 104.2 | 67 | 14 | 44 | <0.050 | 2.6 | <0.00022 | <0.00029 | 1.2 | | | | |
| | | | | 10/28/20 | 7.34 | 35.06 | Kane | 110 | 9.9 | 27 | 0.91 | 5.62 | 15.7 | 370.9 | 0.25 | 135.5 | 180 | 13 | 29 | <0.050 | 1.7 | <0.00022 | <0.00029 | 1.2 | | | | |
| 3/4/21 | 5.84 | 36.56 | Kane | 110 | 12 | 35 | 2.4 | 6.08 | 14.8 | 347.8 | 0.46 | 39.4 | 260 | 14 | 27 | <0.050 | 2.4 | <0.00022 | <0.00029 | 1.4 | | | | | | | | |
| HZ-MW-15S | Shallow | 10 to 15 | 41.747 | 3/25/13 | | | HWA | 86 | 2.3 | 3.6 | | | | | | | | | | | | | | | | | | |
| | | | | 5/29/14 | | | HWA | 150 | 7.1 | 3.6 | <1.0 | 6.35 | | 785.0 | 1.45 | | | | | | | | | | | | | |
| | | | | 9/13/14 | | | HWA | 400 | 19 | 12 | <0.20 | 6.87 | | 575.0 | 0.25 | | | | | | | | | | | | | |
| | | | | 12/15/14 | | | HWA | 300 | 14 | 12 | <2.0 | 6.44 | | 549.0 | 0.95 | | | | | | | | | | | | | |
| | | | | 3/20/15 | | | HWA | 140 | 6.2 | 3.5 | <1.0 | 6.32 | | 579.0 | NA | | | | | | | | | | | | | |
| | | | | 11/12/15 | 6.99 | 34.79 | HWA | 110 | 4.9 | 4.2 | <10 | 5.9 | | 394.0 | 0.13 | 97.4 | | 26 | | | | | | 3.1 | <250 | <12 | 1.1 | |
| | | | | 9/27/16 | 6.65 | 35.10 | Kane | 57 | 1.6 | 1.4 | <0.40 | 6.21 | | 280.0 | | | | | | | | | | | | | | |
| | | | | 10/28/16 | 4.15 | 37.60 | Kane | 81 | 3.3 | 2.9 | <0.40 | 6.30 | 17.3 | 314.0 | | | | | | | | | | | | | | |
| | | | | 9/19/18 | 6.61 | 35.14 | Kane | 29.2 | 1.2 | 1.11 | <0.20 | 6.30 | 19.5 | 260.0 | 0.47 | 187 | <100 | 18.8 | 2.67 | <0.100 | <0.00863 | <0.0162 | <0.0151 | 4.16 | | | | |
| | | | | 12/27/18 | 4.4 | 37.35 | Kane | 11.8 | <0.50 | <1.00 | <0.20 | 6.07 | | 278.8 | 0.68 | 38.5 | <100 | 19.5 | 2.85 | <0.100 | <0.00863 | <0.0162 | <0.0151 | 1.36 | | | | |
| | | | | 6/4/19 | 4.92 | 36.83 | Kane | 8.9 | 0.34 | <0.20 | <0.20 | 6.32 | 15.9 | 256.6 | 0.33 | -10.7 | <56 | 16 | 3 | <0.050 | 0.019 | <0.001 | <0.001 | 1.1 | | | | |
| | | | | 7/24/19 | 5.66 | 36.09 | Kane | 11 | 0.41 | <0.20 | <0.02 | 6.06 | 18.7 | | | | | | | | | | | | | | | |

Table 1
Bothell Service Center Simon Son
Groundwater Analytical Results

| Well | Well Type and Water Bearing Zone | Screened Depth, (ft bgs) | Top of Casing (TOC) Elevation (feet)* | Date Sampled | Depth to Water (ft below TOC) | GW Elevation (feet) | Sampled By | PCE (µg/L) | TCE (µg/L) | (cis) 1,2-DCE (µg/L) | Vinyl Chloride (µg/L) | pH (units) | Temp (°C) | Conductivity (µS) | Dissolved Oxygen (mg/L) | Oxidation Reduction Potential (mV) | Dissolved Iron (ug/L) | Sulfate (mg/L) | Chloride (mg/L) | Ammonia as N (mg/L) | Methane (mg/L) | Ethane (mg/L) | Ethene (mg/L) | Total Organic Carbon (mg/L) | | | | |
|-----------|----------------------------------|--------------------------|---------------------------------------|--------------|-------------------------------|---------------------|------------|------------|------------|----------------------|-----------------------|------------|-----------|-------------------|-------------------------|------------------------------------|-----------------------|----------------|-----------------|---------------------|----------------|---------------|---------------|-----------------------------|-------|-----|------|--|
| HZ-MW-15D | Intermediate | 20 to 30 | 41.787 | 3/25/13 | | | HWA | 330 | 18 | 12 | | | | | | | | | | | | | | | | | | |
| | | | | 5/29/14 | | | HWA | 3,700 | 290 | 180 | <20 | 6.28 | | 1000.0 | 0.12 | | | | | | | | | | | | | |
| | | | | 9/13/14 | | | HWA | 93 | 6.9 | 4.5 | <0.40 | 6.33 | | 308.0 | 0.30 | | | | | | | | | | | | | |
| | | | | 12/15/14 | | | HWA | 130 | 9.2 | 4.3 | <1.0 | 6.34 | | 290.0 | 1.87 | | | | | | | | | | | | | |
| | | | | 3/20/15 | | | HWA | 6,700 | 400 | 280 | <30 | 6.27 | | 491.0 | NA | | | | | | | | | | | | | |
| | | | | 11/11/15 | 7.2 | 34.63 | HWA | 1,800 | 120 | 100 | <10 | 5.66 | | 260.0 | 0.00 | 95.5 | | | | 28 | | | | 2800 | <250 | <12 | <1.0 | |
| | | | | 9/27/16 | 6.69 | 35.10 | Kane | 840 | 40 | 43 | <4.0 | 5.96 | | 211.0 | | | | | | | | | | | | | | |
| | | | | 10/28/16 | 5.33 | 36.46 | Kane | 3,300 | 210 | 200 | <20 | 6.20 | 15.9 | 266.0 | | | | | | | | | | | | | | |
| | | | | 9/19/18 | 6.74 | 35.05 | Kane | 4,910 | 152 | 117 | <0.20 | 6.05 | 15.3 | 282.0 | 0.21 | 204 | <100 | 22.8 | 16.5 | <0.100 | 2.23 | <0.0162 | <0.0151 | 4.7 | | | | |
| | | | | 12/27/18 | 4.23 | 37.56 | Kane | 6,410 | 229 | 199 | <10.0 | 5.95 | | 315.5 | 0.09 | 52.4 | <100 | 19.5 | 2.85 | <0.100 | <0.00863 | <0.0162 | <0.0151 | 1.36 | | | | |
| | | | | 6/4/19 | 6.11 | 35.68 | Kane | 10,000 | 390 | 260 | <100 | 6.25 | 15.1 | 337.4 | 0.12 | 20.9 | <56 | 23 | 14 | <0.05 | 5 | <0.25 | <0.25 | 1.5 | | | | |
| | | | | 7/24/19 | 6.83 | 34.96 | Kane | 9,200 | 390 | 340 | <5.0 | 5.93 | 16.9 | 324.0 | 0.24 | -56.6 | <56 | 21 | 13 | <0.050 | 5 | <0.0005 | <0.0005 | 1.6 | | | | |
| | | | | 10/17/19 | 7.02 | 34.77 | Kane | 7,700 | 410 | 360 | <5.0 | 5.83 | 15.1 | 292.1 | 0.12 | 173.5 | 100 | 18 | 13 | <0.050 | 5 | <0.0005 | <0.0005 | 1.3 | | | | |
| | | | | 1/22/20 | 6.05 | 35.74 | Kane | 4,000 | 280 | 410 | <2.0 | 6.21 | 12.3 | 430.0 | 0.11 | 88.9 | <56 | 13 | 16 | <0.050 | 2.4 | <0.00022 | <0.00029 | 1.2 | | | | |
| | | | | 4/15/20 | 6.67 | 35.12 | Kane | 3,300 | 240 | 400 | <2.0 | 6.19 | 14.9 | 505.3 | 0.27 | 32.4 | 120 | 9.6 | 16 | <0.050 | 3 | <0.00022 | <0.00029 | 1.2 | | | | |
| | | | | 7/22/20 | 6.45 | 35.34 | Kane | 2,000 | 170 | 340 | <1.0 | 6.03 | 17.1 | 466.5 | 0.33 | 80.8 | 150 | 12 | 14 | <0.050 | 4 | <0.00022 | <0.00029 | 1.4 | | | | |
| | | | | 10/23/20 | 6.79 | 35.00 | Kane | 2,200 | 170 | 330 | 1.3 | 5.73 | 14.4 | 399.9 | 0.21 | 108.6 | <56 | 11 | 15 | <0.050 | 4.6 | <0.00022 | <0.00029 | <1.0 | | | | |
| 3/3/21 | | | Kane | 2,200 | 190 | 200 | 4.3 | 6.00 | 14.1 | 383.7 | - | 109.4 | <56 | 18 | 13 | <0.050 | 6.1 | <0.00022 | <0.00029 | <1.0 | | | | | | | | |
| HZ-MW-16 | Shallow | 15 to 25 | - | 5/28/14 | | | HWA | 0.32 | <0.20 | 0.30 | <0.20 | 6.52 | | 451.0 | 0.16 | | | | | | | | | | | | | |
| | | | | 9/12/14 | | | HWA | 4.2 | <0.20 | <0.20 | <0.20 | 7.08 | | 207.0 | 1.23 | | | | | | | | | | | | | |
| | | | | 12/15/14 | | | HWA | 0.4 | <0.20 | <0.20 | <0.20 | 7.01 | | 235.0 | 0.57 | | | | | | | | | | | | | |
| | | | | 3/19/15 | | | HWA | 0.35 | <0.20 | 0.24 | <0.20 | 6.59 | | 326.0 | NA | | | | | | | | | <0.50 | | | | |
| | | | | 11/28/16 | 4.53 | | Kane | 0.34 | <0.20 | <0.20 | <0.20 | 6.78 | | 167.0 | | | | | | | | | | | | | | |
| | | | | 9/24/18 | 6.23 | | Kane | <1.00 | <0.50 | <1.00 | <0.20 | 6.62 | 16.6 | 131.0 | 1.85 | 83.4 | <100 | 9.78 | 2.83 | <0.100 | <0.00863 | <0.0162 | <0.0151 | 1.58 | | | | |
| | | | | 1/3/19 | 5.56 | | Kane | 1.39 | <0.50 | <1.00 | <0.20 | 6.09 | | 220.2 | 0.66 | 63.5 | <100 | 15.2 | 8.5 | <0.100 | <0.00863 | <0.0162 | <0.0151 | 0.645 | | | | |
| | | | | 6/5/19 | 5.8 | | Kane | 2.00 | 0.30 | 0.61 | <0.20 | 6.46 | 15.0 | 222.3 | 0.29 | 26.7 | <56 | 16 | 7.6 | <0.050 | <0.001 | <0.0005 | <0.0005 | <1.0 | | | | |
| HZ-MW-17 | Shallow | 10 to 20 | 38.567 | 6/9/14 | | | HWA | <0.20 | <0.20 | <0.20 | <0.20 | 6.61 | | 594.0 | 0.15 | | | | | | | | | | | | | |
| | | | | 9/12/14 | | | HWA | 2.0 | <0.20 | <0.20 | <0.20 | 6.94 | | 345.0 | 0.89 | | | | | | | | | | | | | |
| | | | | 12/16/14 | | | HWA | 0.5 | <0.20 | <0.20 | <0.20 | 6.71 | | 309.0 | 1.55 | | | | | | | | | | | | | |
| | | | | 3/19/15 | | | HWA | <0.20 | <0.20 | <0.20 | <0.20 | 6.96 | | 434.0 | NA | | | | | | | | | | | | | |
| | | | | 9/26/16 | 8.90 | 29.67 | Kane | <0.20 | <0.20 | <0.20 | <0.20 | 6.73 | | 230.0 | | | | | | | | | | | | | | |
| | | | | 10/27/16 | 6.61 | 31.96 | Kane | <0.20 | <0.20 | <0.20 | <0.20 | 6.89 | 14.9 | 238.0 | | | | | | | | | | | | | | |
| | | | | 7/24/18 | 7.45 | 31.12 | Kane | <1.00 | <0.50 | <1.00 | <0.20 | 7.17 | 16.1 | 250.0 | 0.41 | | | | | | | | | | | | | |
| | | | | 9/12/18 | 7.90 | 30.67 | Kane | <1.00 | <0.50 | <1.00 | <0.20 | 6.97 | 16.2 | 267.0 | 0.09 | 39.9 | 2,540 | 16.9 | 7 | <0.100 | <0.00863 | <0.0162 | <0.0151 | 2.54 | | | | |
| 12/6/18 | 7.68 | 30.89 | Kane | <1.00 | <0.50 | <1.00 | <0.20 | 6.65 | 14.9 | 297.5 | 0.32 | 29.1 | 2,060 | 23.7 | 9.1 | <0.100 | <0.00863 | <0.0162 | <0.0151 | 2.28 | | | | | | | | |
| 5/31/19 | 7.08 | 31.49 | Kane | <0.20 | <0.20 | <0.20 | <0.20 | 6.91 | 15.2 | 312.3 | 0.11 | -30.1 | 3,600 | 16 | 9 | 0.081 | 0.25 | <0.015 | <0.015 | 1.1 | | | | | | | | |
| HZ-MW-18 | Shallow Decommissioned | 7.5 to 17.5 | | 6/10/14 | | | HWA | <0.20 | <0.20 | <0.20 | <0.20 | 6.38 | | 1901.0 | 0.14 | | | | | | | | | | | | | |
| HZ-MW-19 | Shallow | 5 to 15 | 42.177 | 5/30/14 | | | HWA | 0.97 | 0.94 | 0.40 | <0.20 | 6.38 | | 1210.0 | 0.10 | | | | | | | | | | | | | |
| | | | | 6/9/14 | | | HWA | 0.28 | 0.67 | 1.1 | <0.20 | 6.26 | | 1213.0 | 0.13 | | | | | | | | | | | | | |
| | | | | 9/12/14 | | | HWA | 3.3 | 0.76 | 0.67 | <0.20 | 6.37 | | 675.0 | 0.50 | | | | | | | | | | | | | |
| | | | | 12/16/14 | | | HWA | 1.0 | <0.20 | <0.20 | <0.20 | 6.75 | | 301.0 | 0.42 | | | | | | | | | | | | | |
| | | | | 3/19/15 | | | HWA | <0.20 | <0.20 | <0.20 | <0.20 | 6.33 | | 376.0 | NA | | | | | | | | 100 | | | | | |
| | | | | 8/6/15 | | | HWA | | | | | 6.18 | | 513.0 | 0.00 | | | | | | | | | | | | | |
| | | | | 11/11/15 | 7.01 | 35.22 | HWA | 0.6 | 0.77 | 1.1 | <0.20 | 6.03 | | 623.0 | 0.00 | -13.9 | | 25 | | | | | 11 | <0.50 | <0.50 | 8.4 | | |
| | | | | 9/26/16 | 7.73 | 34.45 | Kane | 0.59 | 0.54 | 0.48 | <0.20 | 6.29 | | 438.0 | | | | | | | | | | | | | | |
| | | | | 10/31/16 | 4.78 | 37.40 | Kane | <0.20 | <0.20 | <0.20 | <0.20 | 6.11 | 14.2 | 174.0 | | | | | | | | | | | | | | |
| | | | | 7/24/18 | 7.17 | 35.01 | Kane | <1.00 | <0.50 | <1.00 | <0.20 | 6.56 | 17.3 | 335.0 | 0.00 | | | | | | | | | | | | | |
| | | | | 9/7/18 | 7.72 | 34.46 | Kane | <1.00 | 0.574 | <1.00 | <0.20 | 6.34 | 18.0 | 504.0 | 1.16 | 102.7 | 1,460 | 61.5 | 5.2 | <0.100 | <0.00863 | <0.0162 | <0.0151 | 8.59 | | | | |
| 12/7/18 | 6.32 | 35.86 | Kane | <1.00 | <0.50 | <1.00 | <0.20 | 5.99 | 14.5 | 376.6 | 0.12 | 64.7 | 2,500 | 24.5 | 2.44 | <0.100 | 0.0158 | <0.0162 | <0.0151 | 6.15 | | | | | | | | |
| 5/30/19 | 6.25 | 35.93 | Kane | 0.21 | 0.25 | <0.20 | <0.20 | 6.25 | 18.1 | 424.6 | 0.15 | 34.5 | 240 | 28 | 3.9 | <0.050 | 0.019 | <0.001 | <0.001 | 3.5 | | | | | | | | |
| HZ-MW-20 | Shallow Decommissioned | 5 to 15 | | 6/9/14 | | | HWA | <0.20 | <0.20 | <0.20 | <0.20 | 6.79 | | 1914.0 | 0.28 | | | | | | | | | | | | | |
| | | | | 9/13/14 | | | HWA | 1.3 | <0.20 | <0.20 | <0.20 | 7.09 | | 1018.0 | 0.72 | | | | | | | | | | | | | |
| | | | | 12/16/14 | | | HWA | 0.41 | <0.20 | <0.20 | <0.20 | 6.72 | | 851.0 | 0.44 | | | | | | | | | | | | | |
| | | | | 3/19/15 | | | HWA | <0.20 | <0.20 | <0.20 | <0.20 | 6.91 | | 1139.0 | NA | | | | | | | | | | | | | |
| HZ-MW-21 | Shallow | 6 to 16 | 39.517 | 9/13/16 | 7.14 | 32.38 | Kane | <0.20 | <0.20 | <0.20 | <0.20 | 6.55 | | 509.0 | | | | | | | | | | | | | | |
| | | | | 10/31/16 | 5.90 | 33.62 | Kane | <0.20 | <0.20 | <0.20 | <0.20 | 6.31 | 14.7 | 528.0 | | | | | | | | | | | | | | |
| | | | | 7/23/18 | 6.90 | 32.62 | Kane | <1.00 | <0.50 | <1.00 | <0.20 | 6.77 | 17.6 | 576.0 | 0.19 | | | | | | | | | | | | | |
| | | | | 9/13/18 | 7.37 | 32.15 | Kane | <1.00 | <0.50 | <1.00 | <0.20 | 6.65 | 17.9 | 700.0 | 0.12 | 71.6 | 739 | 35.6 | 7.12 | 0.169 | 0.0386 | <0.0162 | <0.0151 | 18.3 | | | | |
| | | | | 12/10/18 | 6.69 | 32.83 | Kane | <1.00 | <0.50 | <1.00 | <0.20 | 6.43 | 14.1 | 120.9 | 0.71 | 71.7 | <100 | 8.51 | 1.4 | 0.125 | <0.00863 | <0.0162 | <0.0151 | 1 | | | | |

**Table 1
Bothell Service Center Simon Son
Groundwater Analytical Results**

| Well | Well Type and Water Bearing Zone | Screened Depth, (ft bgs) | Top of Casing (TOC) Elevation (feet)* | Date Sampled | Depth to Water (ft below TOC) | GW Elevation (feet) | Sampled By | PCE (µg/L) | TCE (µg/L) | (cis) 1,2-DCE (µg/L) | Vinyl Chloride (µg/L) | pH (units) | Temp (°C) | Conductivity (µS) | Dissolved Oxygen (mg/L) | Oxidation Reduction Potential (mV) | Dissolved Iron (ug/L) | Sulfate (mg/L) | Chloride (mg/L) | Ammonia as N (mg/L) | Methane (mg/L) | Ethane (mg/L) | Ethene (mg/L) | Total Organic Carbon (mg/L) | | |
|----------|----------------------------------|--------------------------|---------------------------------------|--------------|-------------------------------|---------------------|------------|------------|------------|----------------------|-----------------------|------------|-----------|-------------------|-------------------------|------------------------------------|-----------------------|----------------|-----------------|---------------------|----------------|---------------|---------------|-----------------------------|--|--|
| HZ-MW-22 | Shallow | 5 to 15 | 40.827 | 9/14/16 | 6.77 | 34.06 | Kane | 0.67 | 0.62 | 0.24 | <0.20 | 6.13 | | 303.0 | | | | | | | | | | | | |
| | | | | 10/28/16 | 4.85 | 35.98 | Kane | 0.46 | <0.20 | <0.20 | <0.20 | 6.52 | 16.5 | 318.0 | | | | | | | | | | | | |
| | | | | 7/23/18 | 6.45 | 34.38 | Kane | 1.52 | 0.849 | <1.00 | <0.20 | 6.47 | 17.6 | 316.0 | 0.68 | | | | | | | | | | | |
| | | | | 9/7/18 | 7.10 | 33.73 | Kane | 1.44 | 1.33 | 1.07 | <0.20 | 6.25 | 18.9 | 338.0 | 0.51 | 98.7 | <100 | 20.3 | 14.1 | <0.100 | <0.00863 | <0.0162 | <0.0151 | 5.38 | | |
| | | | | 12/21/18 | 5.35 | 35.48 | Kane | 1.46 | 0.956 | <1.00 | <0.20 | 6.16 | 13.3 | 392.0 | 0.98 | 32.7 | <100 | 25.5 | 10.2 | <0.100 | <0.00863 | <0.0162 | <0.0151 | 2.52 | | |
| 5/21/19 | 5.72 | 35.11 | Kane | 1.2 | 0.66 | 0.51 | <0.20 | 6.37 | 14.3 | 413.6 | 0.50 | -19.1 | <56 | 31 | 8.1 | <0.050 | 0.004 | <0.0005 | <0.0005 | 2.3 | | | | | | |
| HZ-MW-23 | Intermediate | 28 to 38 | 41.677 | 9/14/16 | 8.21 | 33.47 | Kane | 2.4 | <0.20 | 0.41 | <0.20 | 6.55 | | 378.0 | | | | | | | | | | | | |
| | | | | 10/31/16 | 6.80 | 34.88 | Kane | 2.3 | <0.20 | 0.33 | <0.20 | 6.77 | 14.4 | 345.0 | | | | | | | | | | | | |
| | | | | 9/7/18 | 8.26 | 33.42 | Kane | <1.00 | <0.500 | <1.00 | <0.20 | 6.84 | 15.6 | 401.0 | 0.07 | 24.8 | 3,800 | 13.2 | 11.1 | <0.100 | 0.527 | <0.0162 | <0.0151 | 6.14 | | |
| | | | | 12/19/18 | 7.40 | 34.28 | Kane | <1.00 | <0.50 | <1.00 | <0.20 | 6.53 | 14.2 | 416.2 | 0.06 | 7.5 | 1,200 | 16.6 | 11.3 | <0.100 | 0.273 | <0.0162 | <0.0151 | 3.14 | | |
| | | | | 5/30/19 | 7.17 | 34.51 | Kane | <0.20 | <0.20 | <0.20 | <0.20 | 6.74 | | 358.2 | 0.20 | 11.5 | 7,500 | 13 | 11 | <0.050 | 0.75 | <0.05 | <0.05 | 3.4 | | |
| | | | | 7/30/19 | 7.98 | 33.70 | Kane | <0.20 | <0.20 | <0.20 | <0.020 | 6.65 | 18.6 | 281.2 | 0.22 | -79.8 | 4,900 | 11 | 6.8 | <0.050 | 0.21 | <0.0005 | <0.0005 | 3.4 | | |
| | | | | 10/24/19 | 8.61 | 33.07 | Kane | <0.20 | <0.20 | <0.20 | <0.020 | 6.40 | 14.9 | 290.2 | 0.17 | -5 | 8,700 | 8.1 | 7.1 | <0.050 | 0.92 | <0.0005 | <0.0005 | 24 | | |
| | | | | 1/29/20 | 6.69 | 34.99 | Kane | <0.20 | <0.20 | <0.02 | 0.039 | 6.55 | 13.2 | 502.7 | 0.20 | 13.5 | 10,000 | <5.0 | 9.4 | <0.050 | 1.9 | <0.00022 | <0.00029 | 42 | | |
| | | | | 4/13/20 | 6.77 | 34.91 | Kane | <0.20 | <0.20 | <0.02 | 0.044 | 6.77 | 14.7 | 702.0 | 0.34 | -59 | 16,000 | <5.0 | 12 | <0.050 | 7.3 | <0.00022 | <0.00029 | 92 | | |
| | | | | 7/17/20 | 10.42 | 31.26 | Kane | <0.20 | <0.20 | <0.20 | 0.025 | 6.77 | 16.3 | 704.0 | 0.20 | -72.4 | 15,000 | <5.0 | 17 | <0.050 | 16 | <0.00022 | <0.00029 | 60 | | |
| | | | | 10/27/20 | 9.13 | 32.55 | Kane | <0.20 | <0.20 | <0.20 | 0.040 | 6.67 | 15.3 | 705.0 | 0.21 | -69.5 | 14,000 | <5.0 | 21 | <0.050 | 21 | <0.00022 | <0.00029 | 16 | | |
| 3/4/21 | 6.73 | 34.95 | Kane | <0.20 | <0.20 | <0.20 | <0.020 | 6.88 | 14.2 | 149.0 | 0.42 | -99.8 | 4,800 | 5.9 | 4.4 | 0.11 | 4.0 | <0.00022 | <0.00029 | 1.8 | | | | | | |
| HZ-MW-24 | Intermediate | 25 to 35 | 40.997 | 9/14/16 | 7.20 | 33.80 | Kane | 4.9 | 2.4 | 21 | 0.8 | 6.47 | | 356.0 | | | | | | | | | | | | |
| | | | | 10/27/16 | 5.66 | 35.34 | Kane | 6.7 | 0.8 | 12 | 0.6 | 6.69 | 17.1 | 316.0 | | | | | | | | | | | | |
| | | | | 9/18/18 | 6.92 | 34.08 | Kane | 4.48 | 2.3 | 14.8 | 0.577 | 6.31 | 16.2 | 286.0 | 0.22 | 99.2 | <100 | 26.1 | 8.28 | <0.100 | 0.0181 | <0.0162 | <0.0151 | 3.98 | | |
| | | | | 12/10/18 | 6.04 | 34.96 | Kane | 2.79 | 0.908 | 5.38 | <0.20 | 6.26 | 15.0 | 273.7 | 0.08 | -1.4 | 828 | 10.3 | 7.18 | <0.100 | <0.00863 | <0.0162 | <0.0151 | 7.02 | | |
| | | | | 5/31/19 | 6.06 | 34.94 | Kane | 2.0 | 0.92 | 21 | 0.77 | 6.61 | 15.3 | 533.7 | 0.13 | -11.7 | 8,500 | <5.0 | 13 | 0.19 | 5.4 | <0.25 | <0.25 | 3.5 | | |
| | | | | 7/17/19 | 7.10 | 33.90 | Kane | 2.7 | 1.1 | 16 | 0.58 | 6.39 | 17.1 | 557.4 | 0.07 | -167.7 | 15,000 | 7.8 | 13 | 0.39 | 6.3 | <0.0005 | <0.0005 | 3.8 | | |
| | | | | 10/24/19 | 6.82 | 34.18 | Kane | <0.40 | <0.40 | 93 | 0.76 | 6.21 | 16.0 | 442.3 | 0.16 | 10 | 20,000 | <5.0 | 14 | 1.1 | 9.7 | <0.0005 | <0.0005 | 4.7 | | |
| | | | | 1/27/20 | 5.71 | 35.29 | Kane | 2.2 | 1.3 | 150 | 3.2 | 6.47 | 13.0 | 452.3 | 0.13 | 35.3 | 14,000 | <5.0 | 15 | 2.5 | 9.5 | <0.00022 | <0.00029 | 4.9 | | |
| | | | | 4/14/20 | 6.01 | 34.99 | Kane | <0.40 | <0.40 | 73 | 30 | 6.36 | 15.7 | 493.7 | 0.22 | -13.9 | 14,000 | 13 | 19 | 4.1 | 4.0 | <0.00022 | 0.0027 | 5.4 | | |
| | | | | 7/22/20 | 6.78 | 34.22 | Kane | 0.9 | 1.8 | 28 | 2.6 | 6.26 | 16.6 | 452.1 | 0.30 | 3.7 | 11,000 | 22 | 17 | 2.5 | 2.1 | <0.00022 | 0.0076 | 4.5 | | |
| | | | | 10/28/20 | 6.91 | 34.09 | Kane | 1.3 | 1.3 | 35 | 2.0 | 6.02 | 16.2 | 417.0 | 0.20 | 26.6 | 10,000 | 23 | 14 | 1.9 | 1.6 | <0.00022 | <0.00029 | 3.8 | | |
| 3/2/21 | 5.18 | 35.82 | Kane | <0.2 | 0.35 | 6.1 | 0.17 | 6.06 | 13.3 | 277.2 | - | 19.9 | 6,000 | 23 | 9.7 | 0.96 | 0.2 | <0.00022 | <0.00029 | 2.8 | | | | | | |
| HZ-MW-25 | Deep | 44.33 to 54.33 | 41.907 | 9/14/16 | 8.17 | 33.74 | Kane | 6.4 | <0.20 | <0.20 | <0.20 | 6.71 | | 254.0 | | | | | | | | | | | | |
| | | | | 10/28/16 | 7.02 | 34.89 | Kane | 1.2 | <0.20 | <0.20 | <0.20 | 6.46 | | 237.0 | | | | | | | | | | | | |
| | | | | 7/19/18 | 8.00 | 33.91 | Kane | <1.00 | <0.50 | <1.00 | <0.20 | 6.67 | 14.7 | 248.0 | 0.45 | | | | | | | | | | | |
| | | | | 9/11/18 | 8.41 | 33.50 | Kane | <1.00 | <0.50 | <1.00 | <0.20 | 6.38 | 15.3 | 273.0 | 0.08 | 102.8 | 201 | 9.38 | 25.8 | <0.100 | 0.00931 | <0.0162 | <0.0151 | 2.72 | | |
| | | | | 12/4/18 | 7.35 | 34.56 | Kane | 3.67 | 1.36 | <1.00 | <0.20 | 6.11 | 14.7 | 299.6 | 0.07 | 48.7 | 5,900 | 14.5 | 21.1 | <0.100 | <0.00863 | <0.0162 | <0.0151 | 4.34 | | |
| 5/30/19 | 7.60 | 34.31 | Kane | <0.20 | <0.20 | <0.20 | <0.20 | 6.36 | | 259.6 | 0.32 | 21.3 | 330 | 12 | 22 | <0.050 | 0.056 | <0.005 | <0.005 | <1.0 | | | | | | |
| HZ-MW-26 | Intermediate | 25 to 35 | 40.692 | 9/14/16 | 7.55 | 33.14 | Kane | 99 | 3.5 | 4.7 | <0.40 | 6.71 | | 267.0 | | | | | | | | | | | | |
| | | | | 10/28/16 | 6.26 | 34.43 | Kane | 3.3 | <0.20 | 0.25 | <0.20 | 6.74 | 16.0 | 265.0 | | | | | | | | | | | | |
| | | | | 7/23/18 | 7.36 | 33.33 | Kane | 11.9 | <0.50 | 2.01 | <0.20 | 6.98 | 16.4 | 284.0 | 0.31 | | | | | | | | | | | |
| | | | | 9/17/18 | 6.83 | 33.86 | Kane | 7.12 | <0.50 | 1.3 | <0.20 | 6.55 | 15.0 | 316.0 | 0.37 | 187 | <100 | 24.9 | 7.46 | <0.100 | <0.00863 | <0.0162 | <0.0151 | 3.54 | | |
| | | | | 12/4/18 | 7.23 | 33.46 | Kane | 6.21 | <0.50 | 1.03 | <0.20 | 6.38 | 14.2 | 334.2 | 0.10 | 75.6 | <100 | 25.3 | 8.08 | <0.100 | <0.00863 | <0.0162 | <0.0151 | 2.3 | | |
| | | | | 5/30/19 | 6.85 | 33.84 | Kane | 9.7 | <0.20 | 1.4 | <0.20 | 6.70 | 16.6 | 329.9 | 0.18 | 17 | <56 | 28 | 9.3 | <0.050 | 0.0042 | <0.0005 | <0.0005 | <1.0 | | |
| | | | | 7/30/19 | 7.34 | 33.35 | Kane | 5.0 | <0.20 | 1.0 | 0.053 | 6.42 | 16.5 | 327.9 | 0.21 | -96.7 | <56 | 23 | 9.3 | 0.063 | 0.01 | <0.0005 | <0.0005 | <1.0 | | |
| | | | | 10/16/19 | 7.91 | 32.78 | Kane | 2.8 | <0.20 | 0.53 | 0.055 | 6.61 | 15.1 | 322.7 | 0.03 | 152.3 | <56 | 24 | 11 | <0.050 | 0.022 | <0.0005 | <0.0005 | <1.0 | | |
| | | | | 1/24/20 | 6.86 | 33.83 | Kane | 1.5 | <0.20 | 0.42 | 0.041 | 6.55 | 13.1 | 334.4 | 0.10 | 36.3 | <56 | 23 | 14 | <0.050 | 0.035 | <0.00022 | 0.00052 | <1.0 | | |
| | | | | 4/13/20 | 6.33 | 34.36 | Kane | 73 | 2.5 | 4.9 | <0.040 | 6.52 | 14.6 | 396.4 | 0.66 | -4.8 | <56 | 24 | 14 | <0.050 | 0.059 | <0.00022 | <0.00029 | <1.0 | | |
| 7/17/20 | 6.82 | 33.87 | Kane | 15 | 0.84 | 2.2 | 0.026 | 6.29 | 15.7 | 370.0 | 0.31 | -13.7 | <56 | 24 | 13 | <0.050 | 0.09 | <0.00022 | <0.00029 | <1.0 | | | | | | |
| 10/27/20 | 7.34 | 33.35 | Kane | 14 | 0.34 | 1.8 | 0.034 | 6.15 | 15.5 | 346.9 | 0.22 | 110.7 | <56 | 27 | 13 | <0.050 | 0.038 | <0.00022 | <0.00029 | <1.0 | | | | | | |
| 3/5/21 | 6.66 | 34.03 | Kane | 1.7 | <0.20 | 0.26 | <0.020 | 6.51 | 13.9 | 180.9 | 2.65 | 84.4 | <56 | 13 | 7.0 | <0.050 | 0.0015 | <0.00022 | <0.00029 | <1.0 | | | | | | |
| HZ-MW-27 | Deep | 45 to 55 | 41.597 | 9/14/16 | 8.00 | 33.60 | Kane | 1.6 | <0.20 | 0.34 | <0.20 | 6.80 | | 227.0 | | | | | | | | | | | | |
| | | | | 10/28/16 | 6.55 | 35.05 | Kane | 0.84 | <0.20 | <0.20 | <0.20 | 6.51 | | 208.0 | | | | | | | | | | | | |
| | | | | 7/13/18 | 7.35 | 34.25 | Kane | 2.24 | <0.50 | 1.07 | <0.20 | 6.77 | 15.1 | 215.0 | 0.40 | | | | | | | | | | | |
| | | | | 9/18/18 | 7.73 | 33.87 | Kane | 1.75 | <0.50 | <1.00 | <0.20 | 6.24 | 15.1 | 222.0 | 0.34 | 62.8 | <100 | 15.3 | 8.08 | <0.100 | 0.0449 | <0.0162 | <0.0151 | 4.12 | | |
| | | | | 12/7/18 | 8.18 | 33.42 | Kane | <1.00 | <0.50 | <1.00 | <0.20 | 6.12 | 14.5 | 229.6 | 0.13 | 49.8 | 835 | 21.1 | 8.36 | <0.100 | 0.0636 | <0.0162 | <0.0151 | 1.28 | | |
| 5/30/19 | 7.30 | 34.30 | Kane | <0.20 | <0.20 | <0.20 | <0.20 | | | | | | | | | | | | | | | | | | | |

Table 1
Bothell Service Center Simon Son
Groundwater Analytical Results

| Well | Well Type and Water Bearing Zone | Screened Depth, (ft bgs) | Top of Casing (TOC) Elevation (feet)* | Date Sampled | Depth to Water (ft below TOC) | GW Elevation (feet) | Sampled By | PCE (µg/L) | TCE (µg/L) | (cis) 1,2-DCE (µg/L) | Vinyl Chloride (µg/L) | pH (units) | Temp (°C) | Conductivity (µS) | Dissolved Oxygen (mg/L) | Oxidation Reduction Potential (mV) | Dissolved Iron (ug/L) | Sulfate (mg/L) | Chloride (mg/L) | Ammonia as N (mg/L) | Methane (mg/L) | Ethane (mg/L) | Ethene (mg/L) | Total Organic Carbon (mg/L) | |
|----------|----------------------------------|--------------------------|---------------------------------------|--------------|-------------------------------|---------------------|------------|------------|------------|----------------------|-----------------------|------------|-----------|-------------------|-------------------------|------------------------------------|-----------------------|----------------|-----------------|---------------------|----------------|---------------|---------------|-----------------------------|--|
| | | | | 7/23/18 | 6.75 | 33.56 | Kane | 54.8 | 4.2 | 33.2 | 1.31 | 6.66 | 16.9 | 241.0 | 0.07 | | | | | | | | | | |
| | | | | 9/11/18 | 7.11 | 33.20 | Kane | 36.6 | 3.48 | 23.7 | <0.20 | 6.47 | 15.3 | 254.0 | 0.15 | 95.2 | <100 | 16 | 10.9 | <0.100 | <0.00863 | <0.0162 | <0.0151 | 2.73 | |
| | | | | 12/10/18 | 5.68 | 34.63 | Kane | 13.6 | 4.06 | 11.4 | <0.20 | 6.18 | 14.3 | 330.7 | 0.07 | 3.5 | 2,140 | 17.9 | 17.2 | <0.100 | <0.00863 | <0.0162 | <0.0151 | 2.68 | |
| | | | | 5/31/19 | 6.29 | 34.02 | Kane | 1.4 | 0.6 | 32 | 0.26 | 6.52 | 15.8 | 705.0 | 0.35 | -2.3 | 10,000 | <5.0 | 18 | 0.65 | 3.9 | <0.25 | <0.25 | 52 | |
| | | | | 7/17/19 | 7.03 | 33.28 | Kane | 1.2 | 0.58 | 32 | 0.47 | 6.20 | 15.9 | 627.0 | 0.09 | -93.7 | 9,300 | <5.0 | 16 | 0.79 | 9.5 | <0.0005 | <0.0005 | 15 | |
| | | | | 10/24/19 | 7.98 | 32.33 | Kane | <1.0 | <1.0 | 100 | 0.94 | 6.15 | 15.2 | 466.6 | 0.14 | -9.6 | 9,500 | <5.0 | 13 | 1.6 | 9.9 | <0.0005 | <0.0005 | 2.1 | |
| | | | | 1/27/20 | 6.41 | 33.90 | Kane | <1.0 | 1.5 | 100 | 1.5 | 6.33 | 13.4 | 579.5 | 0.17 | 42.1 | 12,000 | 6.9 | 14 | 3.2 | 8.6 | <0.00022 | <0.00029 | 1.8 | |
| | | | | 4/13/20 | 6.31 | 34.00 | Kane | <1.0 | 5.2 | 130 | 5.8 | 6.31 | 13.3 | 595.4 | 0.28 | -76.4 | 11,000 | 8.3 | 14 | 3.0 | 19 | <0.00022 | <0.00029 | 3.2 | |
| | | | | 7/17/20 | 10.22 | 30.09 | Kane | <1.0 | <1.0 | 190 | 40 | 6.22 | 15.7 | 655.0 | 0.24 | -49.1 | 10,000 | <5.0 | 13 | 1.8 | 14 | <0.00022 | 0.014 | 12 | |
| | | | | 10/28/20 | 6.88 | 33.43 | Kane | <0.20 | 0.27 | 21 | 9.2 | 6.21 | 16.7 | 723.0 | 0.20 | -52.5 | 17,000 | <5.0 | 15 | 2.0 | 14 | <0.00022 | 0.026 | 5.8 | |
| | | | | 3/5/21 | 5.47 | 34.84 | Kane | <0.20 | 0.29 | 19 | 5.1 | 6.46 | 13.8 | 641.0 | 0.21 | -144.6 | 17,000 | 5.4 | 15 | 1.8 | 0.82 | <0.0022 | <0.0029 | 1.9 | |
| HZ-MW-30 | Deep | 40 to 50 | - | 11/28/16 | 7.08 | | Kane | <0.20 | <0.20 | <0.20 | <0.20 | 8.01 | | 418.0 | | | | | | | | | | | |
| | | | | 8/27/18 | 8.60 | | Kane | <1.00 | <0.50 | <1.00 | <0.20 | 7.71 | 16.9 | 235.0 | | | | | | | | | | | |
| | | | | 9/20/18 | 9.54 | | Kane | <1.00 | <0.50 | <1.00 | <0.20 | 7.71 | 15.0 | 273.0 | 0.25 | -140 | 162 | 0.506 | 3.51 | 0.937 | 0.426 | <0.0162 | <0.0151 | 2.1 | |
| | | | | 12/18/18 | 7.71 | | Kane | <1.00 | <0.50 | <1.00 | <0.20 | 7.60 | 13.9 | 281.5 | 0.05 | -2.4 | 247 | <0.300 | 3.62 | 0.956 | 0.307 | <0.0162 | <0.0151 | 2.15 | |
| | | | | 5/19/19 | 7.88 | | Kane | <0.20 | <0.20 | <0.20 | <0.20 | 7.68 | | 260.5 | 0.17 | 22.8 | 170 | <5.0 | 4.8 | 0.61 | 0.91 | <0.05 | <0.05 | 1.8 | |
| HZ-MW-31 | Shallow | 15 to 25 | - | 11/28/16 | 8.42 | | Kane | <0.20 | <0.20 | <0.20 | <0.20 | 6.80 | | 325.0 | | | | | | | | | | | |
| | | | | 8/27/18 | 9.55 | | Kane | <1.00 | <0.50 | <1.00 | <0.20 | 6.52 | 16.3 | 294.0 | | | | | | | | | | | |
| | | | | 9/20/18 | 9.63 | | Kane | <1.00 | <0.50 | <1.00 | <0.20 | 6.46 | 15.5 | 321.0 | 0.43 | -45.4 | 8,800 | 7.69 | 9.3 | 0.33 | 0.0618 | <0.0162 | <0.0151 | 5.41 | |
| | | | | 12/18/18 | 9.40 | | Kane | <1.00 | <0.50 | <1.00 | <0.20 | 6.33 | 14.2 | 331.1 | 0.07 | 2 | 1,880 | 8.74 | 8.76 | 0.297 | 0.151 | <0.0162 | <0.0151 | 4.99 | |
| | | | | 5/29/19 | 9.34 | | Kane | 0.78 | <0.20 | <0.20 | <0.20 | 6.58 | 15.0 | 320.7 | 0.23 | 19.8 | 20,000 | <5.0 | 8.7 | 0.26 | 0.34 | <0.025 | <0.025 | 4.6 | |
| | | | | 7/24/19 | 9.45 | | Kane | 2.5 | <0.20 | 0.69 | 0.048 | 6.33 | 16.9 | 295.9 | 0.21 | -64 | 19,000 | <5.0 | 8.3 | 0.27 | 0.62 | <0.0005 | <0.0005 | 4.4 | |
| | | | | 10/25/19 | 9.16 | | Kane | <0.20 | <0.20 | <0.20 | 0.048 | 6.22 | 15.1 | 232.9 | 0.10 | 23 | 19,000 | <5.0 | 6.3 | 0.3 | 0.9 | <0.0005 | <0.0005 | 4.8 | |
| | | | | 1/28/20 | 8.75 | | Kane | <0.20 | <0.20 | <0.20 | 0.054 | 6.27 | 12.9 | 298.6 | 0.24 | 69 | 18,000 | <5.0 | 6.7 | 0.29 | 0.76 | <0.00022 | <0.00029 | 4.8 | |
| | | | | 4/27/20 | 24.75 | | Kane | <0.20 | <0.20 | <0.20 | 0.049 | 6.50 | 14.3 | 347.3 | 0.25 | 34 | 19,000 | <5.0 | 5.8 | 0.29 | 0.84 | <0.00022 | <0.00029 | 4.7 | |
| | | | | 7/29/20 | 9.02 | | Kane | <0.20 | <0.20 | <0.20 | 0.049 | 6.32 | 16.1 | 336.7 | 0.20 | -4.3 | 19,000 | <5.0 | 6.7 | 0.4 | 0.92 | <0.00022 | <0.00029 | 4.9 | |
| | | | | 10/29/20 | 9.21 | | Kane | <0.20 | <0.20 | <0.20 | 0.060 | 6.11 | 15.1 | 276.1 | 0.17 | -18.3 | 19,000 | <5.0 | 6.5 | 0.44 | 0.84 | <0.00022 | <0.00029 | 4.6 | |
| 3/5/21 | 8.30 | | Kane | <0.20 | <0.20 | <0.20 | 0.021 | 6.61 | 10.6 | 230.1 | 3.10 | -24.8 | 210 | <5.0 | 11 | 0.37 | 0.11 | <0.00022 | 0.00037 | 6.0 | | | | | |
| HZ-MW-32 | Shallow | 15 to 25 | - | 11/28/16 | 7.68 | | Kane | <0.20 | <0.20 | <0.20 | <0.20 | 6.78 | | 331.0 | | | | | | | | | | | |
| | | | | 9/20/18 | 9.46 | | Kane | <1.00 | <0.50 | <1.00 | <0.20 | 6.50 | 14.8 | 355.0 | 0.20 | -68.3 | 13,500 | 3.07 | 13.3 | 0.402 | 0.147 | <0.0162 | <0.0151 | 6.79 | |
| | | | | 12/19/18 | 8.70 | | Kane | <1.00 | <0.50 | <1.00 | <0.20 | 6.28 | 13.2 | 377.0 | 0.14 | -5 | 234 | 5.93 | 13.6 | 0.356 | 0.121 | <0.0162 | <0.0151 | 6.56 | |
| | | | | 5/29/19 | 8.25 | | Kane | <0.20 | <0.20 | <0.20 | <0.20 | 6.56 | | 377.1 | 0.46 | 25.6 | 27,000 | <5.0 | 13 | 0.39 | 0.27 | <0.015 | <0.015 | 5.9 | |
| HZ-MW-33 | Intermediate | 25 to 35 | - | 11/28/16 | 6.33 | | Kane | <0.20 | <0.20 | 0.48 | <0.20 | 7.39 | | 242.0 | | | | | | | | | | | |
| | | | | 7/24/18 | 6.87 | | Kane | <1.00 | <0.20 | <1.00 | <0.20 | 7.02 | 17.0 | 214.0 | 0.00 | | | | | | | | | | |
| | | | | 9/12/18 | 7.35 | | Kane | <1.00 | <0.50 | 1.11 | <0.20 | 6.84 | 15.2 | 237.0 | 0.25 | 103.4 | <100 | 14.2 | 6.54 | <0.100 | <0.00863 | <0.0162 | <0.0151 | 2.08 | |
| | | | | 12/6/18 | 7.19 | | Kane | <1.00 | <0.50 | 2.06 | 0.303 | 6.55 | 14.1 | 259.5 | 0.21 | 48.1 | <100 | 19.1 | 7.87 | <0.100 | <0.00863 | <0.0162 | <0.0151 | 2.36 | |
| | | | | 5/31/19 | 6.82 | | Kane | 0.51 | <0.20 | 1.7 | <0.20 | 6.77 | 15.6 | 271.0 | 0.14 | -12.5 | <56 | 16 | 7.3 | <0.050 | 0.0027 | <0.0005 | <0.0005 | <1.0 | |
| HZ-MW-34 | Shallow | 15 to 25 | - | 11/28/16 | 4.81 | | Kane | 7.2 | 14 | 44 | 3.1 | 6.64 | | 272.0 | | | | | | | | | | | |
| | | | | 9/17/18 | 6.68 | | Kane | 8.05 | 16.5 | 40.6 | 2.97 | 6.12 | 17.1 | 265.0 | 0.32 | 152 | <100 | 17.7 | 10.4 | <0.100 | 0.0191 | <0.0162 | <0.0151 | 3.87 | |
| | | | | 12/7/18 | 5.77 | | Kane | 4.63 | 12.7 | 32.6 | <0.20 | 6.18 | 15.9 | 383.7 | 0.10 | 0.9 | 5,750 | 7.8 | 14.2 | <0.100 | <0.00863 | <0.0162 | <0.0151 | 3.96 | |
| | | | | 5/31/19 | 5.88 | | Kane | 0.83 | 3.3 | 24 | 0.26 | 6.46 | 14.7 | 550.0 | 0.16 | -17.2 | 10,000 | 5.7 | 13 | <0.050 | 1.1 | <0.05 | <0.05 | 42 | |
| | | | | 7/17/19 | 6.41 | | Kane | 1.4 | 3.3 | 20 | 0.28 | 6.24 | 17.3 | 508.5 | 0.08 | -158.7 | 11,000 | 5.2 | 13 | <0.050 | 3.1 | <0.00050 | <0.0005 | 24 | |
| | | | | 10/23/19 | 6.60 | | Kane | <1.0 | <1.0 | 110 | 0.97 | 6.25 | 16.2 | 258.4 | 0.07 | 24.7 | 4,900 | 17 | 9 | 0.69 | 7.7 | <0.0005 | <0.0005 | 5.8 | |
| | | | | 1/27/20 | 5.22 | | Kane | <1.0 | 2.6 | 120 | 31 | 6.25 | 14.0 | 570.1 | 0.14 | 48.8 | 6,200 | 11 | 14 | 0.67 | 11 | <0.00022 | <0.00029 | 2.3 | |
| | | | | 4/14/20 | 5.83 | | Kane | <1.0 | 1.6 | 100 | 130 | 6.50 | 13.8 | 646.0 | 0.21 | -21.8 | 11,000 | 5.1 | 13 | 0.68 | 16 | <0.00022 | 0.0043 | 2.1 | |
| | | | | 7/21/20 | 6.78 | | Kane | <1.0 | <2.0 | 12 | 16 | 6.22 | 19.3 | 587.0 | 0.20 | -42.7 | 6,700 | 5.0 | 12 | 1.4 | 20 | <0.00022 | 0.0014 | 2 | |
| | | | | 10/28/20 | 6.74 | | Kane | <0.20 | 0.24 | 13 | 20 | 6.07 | 17.2 | 520.8 | 0.21 | -19.7 | 9,300 | 11 | 9.5 | 1.1 | 11 | <0.00022 | 0.0120 | 1.9 | |
| | | | | 3/2/21 | 5.15 | | Kane | <0.20 | 0.24 | 11 | 12 | 6.10 | 13.6 | 465.0 | - | -43.5 | 11,000 | 17 | 8.8 | 0.47 | 14 | <0.00022 | 0.0055 | 1.7 | |
| S-MW-1 | Shallow | 5.5 to 15.5 | 43.527 | 9/20/16 | 6.96 | 36.57 | Kane | 150 | <1.0 | <1.0 | <1.0 | 6.48 | | 303.0 | | | | | | | | | | | |
| | | | | 10/24/16 | 4.64 | 38.89 | Kane | 17 | <0.20 | <0.20 | <0.20 | 6.74 | 16.5 | 140.0 | | | | | | | | | | | |
| | | | | 10/23/18 | 6.80 | 36.73 | Kane | 9.1 | <0.50 | <1.0 | <0.20 | 6.59 | | 161.0 | | | | | | | | | | | |
| | | | | 6/6/19 | 6.00 | 37.53 | Kane | 8.9 | <0.20 | <0.20 | <0.20 | 6.25 | 14.4 | 256.6 | 3.46 | 5 | <56 | 50 | 4.6 | <0.050 | <0.001 | <0.0005 | <0.0005 | 1.4 | |
| | | | | 7/24/19 | 6.61 | 36.92 | Kane | 6.5 | <0.20 | <0.20 | <0.020 | 6.01 | 18.8 | 200.8 | 3.10 | -74.5 | <56 | 26 | 4.8 | 0.15 | <0.001 | <0.0005 | <0.0005 | <1.0 | |
| | | | | 10/23/19 | 6.18 | 37.35 | Kane | 7.3 | <0.20 | <0.20 | <0.020 | 5.92 | 15.4 | 162.8 | 3.82 | 164.3 | <56 | 23 | 4.2 | <0.050 | <0.001 | <0.0005 | <0.0005 | <1.0 | |
| | | | | 1/21/20 | 4.78 | 38.75 | Kane | 3.4 | <0.20 | <0.20 | <0.020 | 6.32 | 11.0 | 23 | | | | | | | | | | | |

Table 1
Bothell Service Center Simon Son
Groundwater Analytical Results

| Well | Well Type and Water Bearing Zone | Screened Depth, (ft bgs) | Top of Casing (TOC) Elevation (feet)* | Date Sampled | Depth to Water (ft below TOC) | GW Elevation (feet) | Sampled By | PCE (µg/L) | TCE (µg/L) | (cis) 1,2-DCE (µg/L) | Vinyl Chloride (µg/L) | pH (units) | Temp (°C) | Conductivity (µS) | Dissolved Oxygen (mg/L) | Oxidation Reduction Potential (mV) | Dissolved Iron (ug/L) | Sulfate (mg/L) | Chloride (mg/L) | Ammonia as N (mg/L) | Methane (mg/L) | Ethane (mg/L) | Ethene (mg/L) | Total Organic Carbon (mg/L) | |
|---------|----------------------------------|--------------------------|---------------------------------------|--------------|-------------------------------|---------------------|------------|--|-------------|----------------------|-----------------------|------------|-----------|-------------------|-------------------------|------------------------------------|-----------------------|----------------|-----------------|---------------------|----------------|---------------|---------------|-----------------------------|--|
| | | | | 9/21/18 | 6.03 | 36.27 | Kane | 10.3 | 4.74 | 3.66 | <0.20 | 6.80 | 18.4 | 246.0 | 0.12 | 105.6 | <100 | 19.3 | 4.29 | <0.100 | <0.00863 | <0.0162 | <0.0151 | 2.25 | |
| | | | | 1/2/19 | 4.40 | 37.90 | Kane | 7.55 | 4.2 | 5.02 | <0.20 | 6.45 | | 278.4 | 0.11 | 34.7 | <100 | 19 | 4.74 | <0.100 | <0.00863 | <0.0162 | <0.0151 | 1.02 | |
| | | | | 6/6/19 | 5.14 | 37.16 | Kane | 5.8 | 3.8 | 3.2 | <0.20 | 6.68 | 15.6 | 363.7 | 0.25 | 0.5 | <56 | 35 | 6.6 | <0.050 | 0.033 | <0.0025 | <0.0025 | 1.6 | |
| | | | | 7/24/19 | 5.34 | 36.96 | Kane | 6.2 | 3.8 | 4.1 | 0.11 | 6.18 | 18.5 | 338.0 | 0.14 | -129.2 | <56 | 21 | 7.4 | <0.050 | 0.027 | <0.0005 | <0.0005 | 1.3 | |
| | | | | 10/17/19 | 5.26 | 37.04 | Kane | 5.8 | 3.7 | 4.2 | 0.11 | 6.34 | 17.6 | 245.9 | 0.10 | 193.1 | <56 | 26 | 6.9 | <0.050 | 0.023 | <0.0005 | <0.0005 | 1.6 | |
| S-MW-2R | Shallow | 5 to 15 | - | 4/24/20 | 4.46 | | Kane | 5.5 | 2.4 | 2 | 0.029 | 6.59 | 12.9 | 601.7 | 0.30 | 26.7 | 230 | 63 | 6.3 | <0.050 | 0.0024 | <0.00022 | <0.00029 | 61 | |
| | | | | 7/28/20 | 5.43 | | Kane | 3.0 | 1.7 | 1.8 | <0.20 | 6.51 | 18.3 | 1,097 | 0.18 | -17.5 | - | - | - | - | - | - | - | - | |
| | | | | 10/30/20 | 5.65 | | Kane | 1.8 | 2.8 | 5.2 | 0.62 | 6.22 | 17.6 | 1,059 | 0.14 | -21.8 | 3,600 | 51 | 5.6 | 0.068 | 4.8 | <0.022 | <0.029 | 6.2 | |
| | | | | 3/2/21 | 3.26 | | Kane | 0.66 | 1.3 | 2.1 | 0.57 | 6.30 | 10.6 | 856 | - | -53.9 | 4,700 | 55 | 3.6 | <0.050 | 5.9 | <0.00022 | <0.00029 | 4.3 | |
| S-MW-3 | Intermediate Decommissioned | 25 to 35 | 42.807 | 9/16/16 | 6.62 | 36.19 | Kane | 0.44 | <0.20 | <0.20 | <0.20 | 5.79 | | 116.0 | | | | | | | | | | | |
| | | | | 10/31/16 | 4.93 | 37.88 | Kane | 1.7 | <0.20 | <0.20 | <0.20 | 6.04 | 15.9 | 116.0 | | | | | | | | | | | |
| | | | | 9/21/18 | 6.51 | 36.30 | Kane | 3.8 | <0.50 | <1.00 | <0.20 | 5.95 | 14.8 | 95.0 | 0.24 | 80.3 | <100 | 13.7 | 2.82 | <0.100 | 0.0652 | <0.0162 | <0.0151 | 1.24 | |
| | | | | 1/3/19 | 5.17 | 37.64 | Kane | 2.28 | <0.50 | <1.00 | <0.20 | 5.57 | | 103.2 | 0.14 | 49 | <100 | 15 | 3.63 | <0.100 | 0.0994 | <0.0162 | <0.0151 | 0.723 | |
| | | | | 6/5/19 | 6.05 | 36.76 | Kane | 2.2 | <0.20 | <0.20 | <0.20 | 5.88 | 14.5 | 113.8 | 0.19 | -9.3 | <56 | 13 | 3.6 | <0.050 | 0.49 | <0.025 | <0.025 | <1.0 | |
| | | | | 7/24/19 | 6.75 | 36.06 | Kane | 2.8 | <0.20 | <0.20 | <0.020 | 5.31 | 16.5 | 108.6 | 0.14 | -177.5 | <56 | 12 | 3.9 | <0.050 | 0.47 | <0.0005 | <0.0005 | <1.0 | |
| S-MW-3R | Intermediate | 25 to 35 | - | 10/17/19 | 6.08 | 36.73 | Kane | 3.7 | <0.20 | <0.20 | <0.020 | 5.20 | 15 | 84.7 | 0.14 | 218.6 | <56 | 13 | 4.4 | <0.050 | 0.51 | <0.0005 | <0.0005 | <1.0 | |
| | | | | 4/24/20 | 5.42 | | Kane | 6.6 | 0.54 | <0.20 | <0.020 | 6.05 | 13.6 | 189.7 | 0.27 | 189.7 | 79 | 14 | 5.5 | <0.050 | 1.5 | <0.00022 | <0.00029 | 1.1 | |
| | | | | 7/28/20 | 5.99 | | Kane | 15 | 0.55 | 0.3 | <0.020 | 5.66 | 17.7 | 170.3 | 0.20 | 37.2 | 560 | 14 | 4.9 | <0.050 | 6.5 | <0.00022 | <0.00029 | 1.2 | |
| | | | | 10/30/20 | 6.40 | | Kane | 20 | 1.1 | 0.66 | 0.068 | 5.23 | 14.8 | 119.4 | 0.24 | 42.6 | 920 | 14 | 5.0 | <0.050 | 9.5 | <0.033 | <0.043 | <1.0 | |
| S-MW-4 | Deep Decommissioned | 40 to 50 | 42.367 | 3/2/21 | 5.17 | | Kane | 0.6 | 0.39 | 0.36 | 0.047 | 5.47 | 12.5 | 107.8 | - | 63.5 | 150 | 15 | 4.5 | <0.050 | 0.31 | <0.00022 | <0.00029 | <1.0 | |
| | | | | 9/14/16 | 6.32 | 36.05 | Kane | <0.20 | <0.20 | <0.20 | <0.20 | 6.74 | | 206.0 | | | | | | | | | | | |
| | | | | 10/28/16 | 4.93 | 37.44 | Kane | 0.66 | <0.20 | <0.20 | <0.20 | 6.44 | | 191.0 | | | | | | | | | | | |
| | | | | 7/19/18 | 6.23 | 36.14 | Kane | 1.25 | <0.50 | <1.00 | <0.20 | 6.85 | 14.6 | 183.0 | 0.46 | | | | | | | | | | |
| | | | | 9/21/18 | 6.37 | 36.00 | Kane | <1.00 | <0.50 | <1.00 | <0.20 | 6.58 | 15.4 | 200.0 | 0.08 | 95.8 | 621 | 15 | 6.13 | 0.133 | 0.0092 | <0.0162 | <0.0151 | 2.37 | |
| S-MW-5 | Shallow | 15 to 25 | 41.357 | 1/2/19 | 5.90 | 36.47 | Kane | <1.00 | <0.50 | <1.00 | <0.20 | 6.15 | | 202.9 | 0.09 | 56.9 | 449 | 14.5 | 6.18 | <0.100 | 0.0132 | <0.0162 | <0.0151 | 1.52 | |
| | | | | 6/5/19 | 6.04 | 36.33 | Kane | 0.56 | <0.20 | <0.20 | <0.20 | 6.17 | 14.7 | 153.2 | 0.15 | -4.6 | 410 | 15 | 4.5 | <0.050 | 0.084 | <0.005 | <0.005 | <1.0 | |
| | | | | 10/28/16 | 4.56 | 36.80 | Kane | 340 | <4.0 | <4.0 | <4.0 | 6.68 | 18.0 | 259.0 | | | | | | | | | | | |
| | | | | 9/24/18 | 6.07 | 35.29 | Kane | 530 | <5.0 | <10 | <2.0 | 6.38 | 16.2 | 164.0 | 2.17 | 48.5 | <100 | 12.6 | 6.05 | <0.100 | <0.00863 | <0.0162 | <0.0151 | 1.36 | |
| | | | | 12/27/18 | 3.90 | 37.46 | Kane | 1,690 | 6.03 | 16.7 | <0.20 | 6.31 | | 235.5 | 0.98 | 58.2 | <100 | 21.6 | 6.56 | <0.100 | <0.00863 | <0.0162 | <0.0151 | 0.506 | |
| | | | | 6/5/19 | 5.20 | 36.16 | Kane | 880 | <10 | <10 | <10 | 6.57 | 15.2 | 205.1 | 1.81 | 7.3 | <56 | 19 | 5.9 | <0.050 | <0.001 | <0.0005 | <0.0005 | <1.0 | |
| | | | | 7/24/19 | 5.72 | 35.64 | Kane | 530 | <4.0 | <4.0 | <0.40 | 6.22 | 17.6 | 169.8 | 1.93 | -76.1 | <56 | 15 | 7.5 | <0.050 | <0.001 | <0.0005 | <0.0005 | <1.0 | |
| | | | | 10/17/19 | 5.88 | 35.48 | Kane | 820 | <4.0 | <4.0 | <0.40 | 6.05 | 15.8 | 159.8 | 1.78 | 198.6 | <56 | 17 | 5.3 | <0.050 | <0.001 | <0.0005 | <0.0005 | <1.0 | |
| | | | | 1/21/20 | 5.00 | 36.36 | Kane | 780 | <4.0 | <4.0 | <0.40 | 6.65 | 12.8 | 195.6 | 1.30 | 74.8 | <56 | 22 | 6.1 | <0.050 | <0.00055 | <0.00022 | <0.00029 | <1.0 | |
| | | | | 4/23/20 | 4.85 | 37.52 | Kane | 1,500 | <10 | <10 | <1.0 | 6.37 | 13.4 | 217.3 | 2.11 | -8.3 | 57 | 15 | 5.1 | <0.050 | <0.00055 | <0.00022 | <0.00029 | <1.0 | |
| | | | | 7/27/20 | 5.69 | 35.67 | Kane | 420 | <2.0 | <2.0 | <0.20 | 6.09 | 19.2 | 218.5 | 2.35 | 75.8 | <56 | 16 | 3.8 | <0.050 | 0.0026 | <0.00022 | <0.00029 | <1.0 | |
| S-MW-6 | Shallow | 4 to 14 | - | 10/30/20 | 5.82 | 35.54 | Kane | 140 | <1.0 | <1.0 | <0.10 | 5.94 | 15.9 | 110.9 | 3.82 | 77.1 | <56 | 13 | 4.9 | 0.6 | 0.0084 | <0.00022 | <0.00029 | 4.0 | |
| | | | | 3/2/21 | 4.03 | 37.33 | Kane | 280 | <2.0 | <2.0 | <0.20 | 5.92 | 13.8 | 83.4 | 4.48 | 75.0 | 66 | 5.2 | 5.3 | <0.050 | <0.00055 | <0.00022 | <0.00029 | <1.0 | |
| | | | | 1/3/17 | 5.51 | | Kane | <0.20 | <0.20 | <0.20 | <0.20 | 6.23 | | 155.0 | | | | | | | | | | | |
| | | | | | | | | MTCA Method A Cleanup Level ¹ | 5.0 | 5.0 | | 0.2 | | | | | | | | | | | | | |
| | | | | | | | | MTCA Method B Cleanup Level ² | | | 16 | | | | | 11,200 | | | | | | | | | |

* HWA TOC elevation was used to calculate GW elevation during HWA sampling events.

Notes:
PCE – Tetrachloroethene
TCE – Trichloroethene
1,1-DCE - 1,1-Dichloroethene
(cis) 1,2-DCE - (cis) 1,2-Dichloroethene
Blank – Not analyzed or not available
Bold – Analyte detected
Bold / highlighted – Analyte exceeds MTCA A/B cleanup level
Italicized - Detection limit exceeds respective cleanup level
< – Analyte not detected at listed reporting limit
mg/L – micrograms per liter
MV – Millivolts
ES – Estimated concentration because analyte concentration was outside of lab instrument calibration range
DNAPL – Dense Non-Aqueous Phase Liquid
1 – Table 720-1, WAC 173-340-900
2 – WA Dept. of Ecology CLARC ground water data table (<https://fortress.wa.gov/ecy/clarc/FocusSheets/Groundwater%20Methods%20B%20and%20A%20and%20ARARs.pdf>)
NA – Not Applicable
* HWA TOC elevation was used to calculate GW elevation during HWA sampling events.