PES Environmental, Inc.
Engineering & Environmental Services

December 18, 2015

827.001.35

Washington State Department of Ecology
Northwest Regional Office
3190 160th Avenue SE
Bellevue, Washington 98008-5452

Attention: Mr. Hideo Fujita

SEWER PRETREATMENT EVALUATION
BSB PROPERTY, KENT, WASHINGTON
CONSENT DECREE No. 11-2-27288-5

Dear Mr. Fujita:

On behalf of B.S.B. Diversified Company, Inc. (BSB), PES Environmental, Inc. (PES) is submitting this summary of the sewer pretreatment evaluations that have been conducted to date for the cleanup action at the BSB property (Property) located at 8202 South 200th Street in Kent, Washington. The cleanup action is being implemented pursuant to the requirements of Consent Decree No. 11-2-27288-5 issued by the State of Washington Department of Ecology (Ecology), effective August 8, 2011.

BACKGROUND

BSB constructed the shallow aquifer cleanup action in late 2011 and early 2012, installing a soil-bentonite cutoff wall (SBCW) around the perimeter of the property, constructing a subsurface treatment vault (reactor vault) containing zero-valent iron (ZVI) media, and grading and paving the Property surface to allow stormwater to run off the containment area. Since early 2012, BSB has performed startup activities, including pumping groundwater from within the containment area, determining the treatment efficiency of the reactor vault, operating and maintaining the ZVI and air stripper treatment systems, maintaining the surface cap, and collecting compliance monitoring groundwater levels and samples. Figure 1 provides a site map with the approximate location of the SBCW, reactor vault, piezometers, and monitoring wells.

The subsurface reactor vault consists of a 29-foot-wide, 40-foot-long, 18-foot-deep, concrete vault divided into six treatment cells. The reactor vault was designed to collect water in perforated pipes around the outside of the vault and have water gravity flow to the top of the media in Cell 1, down through the Cell 1 media, through piping to the top of the media in Cell 2, and in a similar fashion through Cells 2 through 6. A dedicated, electrically-powered submersible pump is installed inside an 8-inch-diameter, solid-wall riser in Cell 6 for pumping water from the reactor vault. Currently, the first three cells of the vault contain treatment media, and the last three cells do not. The media in Cell 1 consists of an approximately 3.8-foot-thick mixture of 10 x 20 Colorado Silica Sand and ZVI (30 percent sand/70 percent ZVI by weight). The media in Cells 2 and 3 consists of

100 percent ZVI approximately 2.7 feet thick. The media was installed in Cells 1 through 3 on March 2, 2012.

Pumping from Cell 6 began March 21, 2012, under BSB's discharge permit with King County Industrial Waste (KCIW). Consistent with the discharge permit, water pumped from the reactor vault was treated with an air stripper treatment system located in an adjacent equipment building prior to discharge to the sanitary sewer. BSB submitted a permit re-application to KCIW on November 27, 2013, and due to the lower discharge rates since installation of the SBCW requested obtaining a Major Discharge Authorization (MDA) instead of a Discharge Permit. KCIW granted the request for an MDA, with an effective date of May 18, 2014. Similar to the discharge permit, the MDA requires sewer pretreatment with the existing air stripper system.

During the startup period, routine operations and maintenance (O&M) activities have included remote monitoring of pumping rates and water levels in the reactor vault and adjacent piezometers, monthly system discharge sampling to comply with BSB's KCIW discharge authorizations and need for pretreatment system data, periodic collection of air samples to assess the air stripper treatment system, and periodic site visits to inspect the air stripper treatment system, clean the air stripper trays, and oversee replacement of the air stripper pre-treatment chemical and air treatment media.

REACTOR VAULT STARTUP AND TESTING

After system startup, BSB conducted test pumping of the reactor vault to try to determine the maximum sustainable pumping rate from the reactor vault, to determine the treatment efficiency of the reactor vault, and to generate the treatment information needed to pursue a direct discharge authorization from KCIW. As stated in the startup plan, startup testing included measuring water levels in the reactor vault at various pumping rates, collection of water samples in the influent riser and the monitoring risers in the first three vault chambers at various times during the hydraulic testing process, monitoring the groundwater elevations in the piezometer network during hydraulic testing, and collection of groundwater samples from shallow aquifer monitoring wells located inside and outside the containment system.[1] The following sections discuss the results of these startup activities, as well as additional reactor vault O&M activities necessitated by the unanticipated low flow through and low treatment efficiency of the ZVI.

BSB has summarized the daily reactor discharge rates and volumes in the monthly KCIW self-monitoring reports, which have also been transmitted to Ecology. Table 1 provides a monthly summary of reactor vault area data since monitoring began after startup of reactor vault monitoring in April 2012. Table 1 includes average monthly groundwater elevations measured in the reactor vault and nearby piezometers (P-1 through P-4), average monthly pumping rates from the reactor vault, and monthly precipitation totals. Table A-1 in Attachment A provides the daily data that are summarized in Table 1, and the graph provided in Attachment A presents the hourly groundwater elevations in and around the reactor vault and the daily precipitation totals.

[1] PES Environmental, Inc. 2011. *Startup Plan, Shallow Aquifer Cleanup Action, BSB Property, Kent, Washington.* Submitted to the Washington State Department of Ecology. December 7.

Reactor Vault Hydraulics

After system startup, BSB initially pumped the vault at the low end of the tested range (0.6 gallons per minute [gpm]) increasing the pumping rate in steps up to 4 gpm. The pumping rate was managed to try to efficiently determine the maximum sustainable pumping rate from the reactor vault and determine the treatment efficiency of the reactor vault. During this process, the hydraulic head differential across the treatment media was observed to be higher than expected. Probing of the media surface to penetrate any surface crust, first in Cell 1 and subsequently in Cells 2 and 3, initially yielded significant decreases in the hydraulic head differential across the media; however, over time, the hydraulic head differential increased.

During the summer of 2012, the reactor vault pumping rate was lowered to generate the treatment information needed to pursue a direct discharge authorization from KCIW. By mid September 2012, the pumping rate had been lowered to 1.0 gpm; the pumping rate was maintained at 1.0 gpm through mid December 2012 when the needed reactor vault chemistry data had been collected. Due to rising water levels in the containment area, the reactor vault pumping rate was raised to 1.5 gpm in mid December 2012 and then again to 3.0 gpm in mid January 2013.

The reactor vault pumping rate was reduced to 2.0 gpm in late January 2013 and to 1.6 gpm in early February 2013 due to low water elevations in the downstream reactor vault cells caused by a high hydraulic head differential across the media. By March 2013, the hydraulic head differential across the three cells with media was high enough that the water elevation in downstream cells was approaching the pipes connecting the cells; as a result, the discharge rate desired to lower the heads within the containment area could not be maintained. Starting in mid February 2013, water was pumped from both Cell 1 and Cell 6, increasing the typical total daily average discharge rate to about 2.5 gpm. Pumping from Cell 1 was only discontinued when unimpeded flow through the media was required (e.g., prior to collection of water quality samples).

Due to decreasing flow through the media in July 2013 and the need to determine the long-term pumping rates required to maintain predominantly inward gradients across the SBCW[2], pumping from Cell 6 was discontinued and a constant pumping rate of 1.5 gpm was initiated in Cell 1 on July 19, 2013. Until mid-June 2014, water was pumped from Cell 1 at constant pumping rates (between 1 and 1.5 gpm). When the constant, relatively low pumping rates proved inadequate to maintain the containment cell water levels, the approach was changed in mid-June 2014 to more active pumping rate management. This approach, which involved more frequent monitoring of the groundwater elevation in the reactor vault and more frequent flow rate changes to maintain a low groundwater elevation in the reactor vault, has continued to date. During 2015, BSB has pumped groundwater from the top of Cell 1 at a rate sufficient to maintain the groundwater elevation in Cell 1 between 17.75 and 18.25 feet. Pumping rates during this period typically varied from 1.0 to 2.5 gpm, with the average pumping rate increasing from 1.4 gpm in the first 5 months of 2014 to 1.7 gpm during last 7 months of 2014 and 2015 to date (see Table 1). The average groundwater elevation in the first cell of the reactor vault (the pumping cell) dropped from 21.5 feet in the first 5 months of 2014 to 18.2 feet in the last 7 months of 2014 to 17.84 feet during 2015.

[2] PES Environmental, Inc. 2013. *Technical Memorandum, Shallow Aquifer Cleanup Action, BSB Property, Kent, Washington, Consent Decree No. 11-2-27288-5.* Submitted to the Washington State Department of Ecology. December 27.

Reactor Vault Treatment Efficiency

Besides monitoring water levels in the reactor vault during system startup, BSB collected water samples in the reactor vault cells to assess media treatment efficiency. Per KCIW's request, multiple samples were collected to demonstrate treatment to concentrations below the VC screening level. All of the samples were analyzed for halogenated volatile organic compounds (HVOCs; Table 2), with samples collected during some of the sampling events also analyzed for inorganic parameters (Table 3).

During April 2012 when the pumping rate from the system was between 2 and 3 gpm, the concentrations of the primary detected HVOCs (trichloroethene [TCE], cis-1,2-dichloroethene [cDCE], and vinyl chloride [VC]) in the reactor vault discharge were below the KCIW screening levels. However, beginning in May 2012 when the pumping rate from the system was between 3 and 4 gpm, the VC concentration in the reactor vault discharge was above the KCIW VC screening level. The vault discharge VC concentration continued to be above the KCIW VC screening level until the pumping rate from the system was lowered to 1.0 gpm in September 2012. The results of the water samples collected from Cells 1, 2, and 3 and analyzed for a variety of inorganic parameters (Table 3) were reviewed, but the results did not clearly indicate a cause for the reduced ZVI treatment efficiency (e.g., passivation, hydrogen gas buildup, or short-circuiting).

Shallow Aquifer Groundwater Elevations

Table B1 in Attachment B provides groundwater measurements and calculated groundwater elevations for shallow aquifer zone wells and piezometers, intermediate aquifer zone wells and piezometers, and selected deep aquifer zone wells since 2008. Hydrographs for these monitoring wells and piezometers are also presented in Attachment B.

Groundwater Elevation Comparisons Across the SBCW. Table 4 provides the groundwater elevations at paired monitoring points located inside and outside of the SBCW. Paired monitoring points are located in the northeast corner (P-1 and P-2 inside the SBCW, P-3 and P-4 outside the SBCW), along the north boundary (P-5 and P-6 inside, HYCP-7s and HYCP-7i outside), in the northwest corner (P-7 and P-8 inside, HY-1s and HY-1i outside), in the southwest corner (P-9 and P-10 inside, P-11 and P-12 outside), and along the east boundary (P-13 and P-14 inside, P-15 and P-16 outside).

At initiation of groundwater extraction from the reactor vault in March 2012, groundwater gradients across the SBCW were outward at all shallow and intermediate paired monitoring locations due to the elevated starting groundwater elevations in the containment area. After 3 months of groundwater extraction at flow rates between 2.0 and 4.0 gpm, groundwater gradients across the SBCW were inward at all five shallow and intermediate monitoring locations. With continued groundwater extraction after June 2012, the shallow aquifer zone groundwater gradients across the SBCW were predominantly inward with the exception of the north boundary monitoring location (P-5/HYCP-7s), which was on average outward. After June 2012, the intermediate aquifer zone groundwater gradients across the SBCW were predominantly inward in the northwest (P-8/HY-1i), southwest (P-10/P-12), and eastern (P-14/P-16) monitoring pairs and predominantly outward in the northeast (P-2/P-4) and north (P-6/HYCP-7i) monitoring locations. After active pumping rate management was initiated in June 2014, the gradients have become more inward and have been

strongly inward in the shallow aquifer zone since August 2014 and in the intermediate aquifer zone since October 2014.

Groundwater Elevation Comparisons Across Layer C. Table 4 also provides groundwater elevations at paired monitoring points located at the base of the shallow aquifer and near the top of the deep aquifer (across the Layer C silt). The data collected since installation of the SBCW indicate that the head differential between the top of the deep aquifer and the base of the shallow aquifer has been upward approximately 87 percent of the time, with the average deep aquifer hydraulic head approximately 1.1 foot higher than the average shallow aquifer hydraulic head. The highest upward gradients are in the northeast corner and northern portion of the containment area, and the lowest upward gradients are in the southwest corner of the containment area. Most of the downward gradients were associated with the unusually high interior water levels when the system was first pumped in the spring of 2012 and seasonally at the southwest corner of the containment area (upgradient side), which is consistent with historical trends.

Shallow Aquifer Groundwater Chemistry. Groundwater samples have been collected quarterly since installation of the SBCW in one shallow and one intermediate upgradient monitoring well (HY-11s and HY-11i), three intermediate monitoring wells within the containment area (HYCP-3i, HY-12i, and HY-13i), and ten shallow and intermediate monitoring wells located cross-gradient or downgradient of the containment area (Gs, Hs, HY-1s, HYCP-2, HYCP-7s, Gi, Hi, HY-1i, HYCP-2i, and HYCP-7i). Figure 1 shows the monitoring well locations. Field parameter measurements made during sampling of these wells are provided in Table C1 in Attachment C. Tabulated shallow and intermediate aquifer zone HVOC concentrations and accompanying plots of the primary detected HVOC (TCE, cDCE, and VC) concentrations over time are also presented in Attachment C.

Shallow and intermediate aquifer zone HVOC concentrations since installation of the SBCW have generally been consistent with historical concentrations, with the highest concentrations in the containment area. Groundwater HVOC concentrations in the three wells in the containment area (HY-12i, HY-13i, and HYCP-3i) continue to be consistently elevated well above site cleanup levels. Since installation of the SBCW, groundwater HVOC concentrations in monitoring well HYCP-2i (located outside the SBCW) have decreased below the laboratory method report limits (MRLs), and groundwater HVOC trends in monitoring well HY-1i (located outside the SBCW) continue to decrease. Groundwater HVOC concentrations since installation of the SBCW have been near or below the MRLs in the two upgradient monitoring wells (HY-11s and HY-11i) and at or below the MRLs in the four monitoring wells located northeast and east of the containment area (Gs, Gi, Hs, and Hi). Groundwater HVOC concentrations in HYCP-7s and HYCP-7i located immediately north of the northern boundary of the SBCW have also been at or below the MRLs since they began to be sampled after installation of the SBCW. HVOC concentrations in two wells (HY-1s and HYCP-2) initially increased after installation of the SBCW. However, the HYCP-2 HVOC concentrations have since decreased to near or below the MRLs. The HY-1s HVOC concentrations, which are likely sourced off-site, have been variable at slightly lower concentrations than before SBCW construction.

Reactor Vault O&M

During startup testing, BSB conducted the following additional activities to assess the higher-than-expected head differentials across the treatment media and the less-than-expected treatment efficiency:

- On June 26, 2012, a subcontractor entered the reactor vault and removed the upper 3 inches of media from Cell 1 and the upper 1 inch of media from Cells 2 and 3. In Cell 1, the upper ¼ inch of material appeared to be a soft silt-like material, which was underlain by approximately 1.5 inches of partially cemented sand and ZVI. The media below that appeared loose and fresh. In Cells 2 and 3, the surficial soft silt-like material was approximately 1/8 inches thick with thin partially-cemented clumps of ZVI underneath. It appeared that some of the removed material may have been residual ZVI dust that was observed during the initial ZVI placement in the cells. After removal of the surficial material and flooding of the vault cells, we observed a significantly reduced hydraulic head differential across the media in each cell. However, the hydraulic head differential subsequently began increasing again over time.
- Through the remainder of 2012, the surface of the media in each cell was periodically physically probed to penetrate the accumulating surface coating and lower the head differential across the media. Different probes and probing techniques were used to try to maximize the benefit. In January 2013, the surface of the media in each cell was stirred with a hand auger to test whether a crust or film had developed at and just below the cell's surface and whether the deeper media could be penetrated. The surfaces of the media felt soft, and the resistance to auger penetration increased with depth.
- On April 30, 2013, a subcontractor entered the reactor vault and removed the upper 1 inch of media from Cells 1, 2, and 3. In Cell 1, the upper ½ inch of material appeared to be a soft silt-like material that appeared similar to the bio-slime that periodically fouled the former extraction wells on the Property. The slime was underlain by dense, cemented sand and ZVI, which was difficult to penetrate or remove; water drained readily through chunks of this material that were removed from the vault cell for evaluation. In Cells 2 and 3, the surficial soft silt-like material was approximately 1/8 inches thick, with loose, fresh ZVI underneath.
- During the reactor vault assessment and maintenance event on April 30, 2013, samples of the surficial slime were collected and submitted to ALS Environmental (ALS) in Tucson, Arizona, to evaluate the presence of precipitates or organic carbon. Care was taken to minimize ZVI particles in the samples submitted to ALS, and once received at the laboratory, a magnet was passed over the sample to remove ZVI that might have been included. The samples were analyzed for loss on ignition, total organic carbon, total carbonate, total sulfur, soluble sulfate, total reducing compounds, sulfide-free reducing compounds, and total metals (aluminum, calcium, iron, magnesium, manganese, phosphorus, potassium, silicon, and sodium). The analytical results are provided in Attachment A.
- On May 29, 2013, two water samples were collected in Cell 1 and submitted for laboratory biological activity reaction tests (BART). The tests were conducted to evaluate the presence

of iron-related, sulfate-reducing, and slime-forming bacteria that could have been responsible for the slime layers on top of the media. The BART analytical results are provided in Attachment A; the analytical report includes the daily observations of each tube during the test, photographs, and semi-quantitative estimates of bacterial colony-forming units per milliliter. The presence of iron-related, sulfate-reducing, and slime-forming bacteria were confirmed in each sample, with slime-forming and sulfate-reducing bacteria being the most aggressive.

The reactor vault HVOC, inorganic parameter, slime testing, and BART results were submitted to Analytix Technologies (Analytix), a remediation system optimization firm, to assess the likelihood of biofouling and mineralization. Analytix believed that biofouling is the primary problem in each cell, as evidenced by the BART results indicating the presence of iron-related, sulfate-reducing, and slime-forming bacteria. Although mineralization may be the cause of the partially cemented sand and ZVI in Cell 1, biologic activity could also be the cause. To improve the flow through the treatment media, Analytix recommended the use of a short half-life biocide with a biodispersant, initially at a relatively high concentration followed by a continual lower concentration drip into the reactor vault influent.

RATIONALE FOR LONG-TERM SEWER PRETREATMENT

Since July 2013, BSB has been pumping water from Cell 1 to gain a better understanding of the long-term system groundwater extraction rates, seasonal variations in the extraction rates, any difficulties in managing the groundwater extraction rate from the reactor vault and pretreating it with the air stripper, and since June 2014, the effects of more active management of the groundwater extraction rates on the groundwater gradients across the SBCW. The groundwater extraction rates required to maintain the reactor vault water level near the operational low elevation (less than 18.25 feet) have ranged from approximately 1.0 to 2.5 gpm, with the lower extraction rates in the late summer and early fall, and the higher extraction rates in the winter. Actively managing the groundwater extraction rate to minimize the water elevation in Cell 1 has provided better control of the hydraulic gradients across the SBCW than more passive management of groundwater extraction, increasing the inward gradients throughout the containment system. This has been most pronounced in the northeast corner of the Property at both the shallow and intermediate aquifer zone depths.

During this period, the air stripper pretreatment system has proven to be very effective treating the extracted water prior to sewer discharge to concentrations well below the HVOC screening levels required by KCIW. Treatment has been consistent through the seasonal range of groundwater extraction rates needed to control the hydraulic gradients across the SBCW, with consistent treatment to levels near or below the laboratory MRLs. Although influent concentrations to the air stripper pretreatment system have risen slightly in the last year and a half, the system was designed for higher flow rates and higher influent HVOC concentrations, and if needed in the future, the system can handle considerably higher HVOC influent concentrations than those currently measured.

During the testing of active management of the reactor vault pumping rate, groundwater HVOC concentration trends in monitoring wells downgradient of the SBCW have been similar to the trends present prior to active management of the reactor vault pumping rate.

Given the success, relative simplicity, and history of use, BSB has selected use of the air stripper system for long-term pretreatment of the extracted groundwater prior to discharge to the sewer. Reactivation of the ZVI pretreatment system would require pilot testing for use of the biocide and biodispersent recommended to prevent fouling of the ZVI. Success of this pretreatment method prior to treatment by the ZVI is not guaranteed, and the cost and complexity of managing that pretreatment would be significant. Advantages of using the existing air stripper pretreatment system include:

- More flexibility in managing changing groundwater extraction rates;
- No pilot demonstration of effectiveness required prior to implementation;
- Greater certainty in the level of treatment with less required documentation of the treatment efficiency than the modified ZVI pretreatment system;
- Already an accepted sewer pretreatment method by KCIW; and
- Relatively little O&M required relative to the modified ZVI pretreatment system.

If the continued use of the air stripper pretreatment system is approved by Ecology, BSB will continue to pump groundwater from the top of Cell 1 at a rate sufficient to maintain inward gradients at most of the monitored locations most of the time. The containment system will be operated, maintained, and monitored as described in the accompanying O&M and compliance monitoring plans.

If you have any questions or comments, please call me at (206) 529-3980.

Sincerely,
PES ENVIRONMENTAL, INC.

William R. Haldeman

State of Washington
Hydrogeologist
1141
Licensed Geologist
William R. Haldeman

William R. Haldeman, LHG, R.G.
Associate Hydrogeologist

Attachments: Table 1 – Monthly Summary of Reactor Vault Area Data
Table 2 – Reactor Vault HVOC Results
Table 3 – Reactor Vault General Chemistry and Dissolved Gas Results
Table 4 – Summary of Groundwater Elevations in Paired Monitoring Points
Figure 1 – Site Map
Attachment A – Reactor Vault Area Transducer Data
Attachment B – Hydrographs and Groundwater Elevation Table
Attachment C – Groundwater Chemistry Data and HVOC Time Trend Plots

cc: John FitzSimons, B.S.B. Diversified Company, Inc.
Ronald Burt, Burt Geology & Environmental Applications, PLLC
Paul Beveridge, BeveridgeLaw, PS

Table 1

Monthly Summary of Reactor Vault Area Data
BSB Shallow Aquifer Cleanup Action
Kent, Washington

	Average Groundwater Elevation (feet)								Groundwater Extraction		SeaTac
	Shallow Wells			Intermediate Wells			Inside Reactor Vault		Monthly	Monthly	Airport
	Inside	Outside		Inside	Outside		Cell 6	Cell 1	Totals	Average Rate	Precipitation
Month	P-1	P-3	ΔH	P-2	P-4	ΔH	P-5	P-6	(gallons)	(gpm)	(inches)
April 2012	24.95	23.04	-1.91	25.36	22.59	-2.77	21.34	–	102,629	2.39	2.68
May 2012	21.14	22.40	1.26	22.65	21.61	-1.04	18.13	–	155,907	3.50	2.05
June 2012	20.30	22.41	2.11	21.80	21.60	-0.20	17.09	–	112,027	2.62	2.96
July 2012	19.74	21.68	1.94	21.12	21.19	0.07	17.25	–	104,169	2.29	1.04
August 2012	19.61	20.84	1.23	20.75	20.57	-0.17	17.42	–	75,009	1.64	0.00
September 2012	19.53	20.24	0.71	20.47	20.21	-0.26	17.65	–	53,519	1.25	0.03
October 2012	20.09	20.88	0.78	20.70	20.49	-0.21	18.59	–	38,014	0.94	6.71
November 2012	22.65	22.64	-0.01	22.84	21.71	-1.13	21.19	–	39,130	0.98	8.28
December 2012	24.81	23.14	-1.68	24.81	22.28	-2.53	21.87	–	52,135	1.33	6.85
2012	**21.43**	**21.92**	**0.49**	**22.28**	**21.36**	**-0.92**	**18.95**	**–**	**732,539**	**1.88**	**30.60**
January 2013	24.18	22.79	-1.39	24.58	22.09	-2.49	19.05	–	91,196	2.15	4.16
February 2013	23.14	22.50	-0.64	23.90	21.84	-2.06	16.79	19.49	99,665	2.57	1.58
March 2013	21.39	22.55	1.16	22.62	21.75	-0.87	16.99	18.56	116,507	2.64	2.74
April 2013	22.01	22.85	0.84	23.04	22.08	-0.96	17.01	19.84	101,804	2.41	5.89
May 2013	21.68	22.17	0.49	22.72	21.60	-1.13	18.95	19.96	76,717	1.60	2.38
June 2013	21.20	21.61	0.42	22.34	21.09	-1.25	16.03	19.27	94,440	2.36	1.30
July 2013	20.51	20.88	0.36	21.56	20.65	-0.90	16.51	18.61	68,125	1.56	0.00
August 2013	20.04	20.41	0.37	21.05	20.28	-0.77	17.16	18.71	65,936	1.50	1.35
September 2013	19.69	21.21	1.52	20.68	20.69	0.01	17.36	18.24	53,781	1.31	6.17
October 2013	20.38	21.83	1.46	21.18	21.20	0.02	18.11	19.07	41,790	0.95	1.54
November 2013	20.76	21.75	1.00	21.48	21.16	-0.32	19.14	19.63	40,384	0.94	3.79
December 2013	20.93	21.59	0.66	21.67	21.04	-0.63	19.51	19.79	44,459	1.03	1.66
2013	**21.33**	**21.84**	**0.52**	**22.24**	**21.29**	**-0.95**	**17.72**	**19.20**	**894,804**	**1.75**	**32.56**
January 2014	21.62	21.90	0.28	22.37	21.27	-1.10	20.04	20.39	51,451	1.15	3.70
February 2014	21.81	22.64	0.83	22.77	21.85	-0.92	20.22	20.18	60,139	1.50	6.11
March 2014	23.58	23.44	-0.15	24.39	22.55	-1.83	21.28	22.01	65,695	1.49	9.44
April 2014	23.94	23.07	-0.87	24.65	22.27	-2.38	22.24	22.52	58,332	1.37	4.18
May 2014	23.87	22.74	-1.13	24.65	22.06	-2.59	22.78	22.43	67,228	1.53	3.15
June 2014	21.83	21.74	-0.09	22.98	21.28	-1.70	21.84	20.08	94,124	2.18	0.73
July 2014	19.98	21.03	1.05	21.37	20.77	-0.61	19.53	18.14	86,821	1.98	0.77
August 2014	19.56	20.84	1.28	20.82	20.59	-0.23	19.00	17.89	72,250	1.64	1.81
September 2014	19.41	20.85	1.44	20.45	20.37	-0.08	18.78	17.84	58,205	1.37	2.23
October 2014	19.59	21.51	1.93	20.50	20.81	0.31	18.75	18.07	55,553	1.25	6.75
November 2014	20.21	22.43	2.22	21.14	21.65	0.52	18.88	18.11	73,872	1.72	4.84
December 2014	20.36	22.88	2.52	21.45	22.16	0.71	18.90	17.93	91,238	2.06	4.79
2014	**21.31**	**22.09**	**0.78**	**22.29**	**21.47**	**-0.82**	**20.19**	**19.63**	**834,908**	**1.60**	**48.50**
January 2015	20.45	22.95	2.51	21.68	22.29	0.60	18.86	18.02	91,055	2.04	3.66
February 2015	20.39	23.19	2.80	21.82	22.45	0.64	18.87	17.86	93,948	2.33	5.27
March 2015	20.33	23.04	2.71	21.70	22.29	0.59	18.64	17.99	104,656	2.31	4.47
April 2015	20.08	22.75	2.67	21.60	22.09	0.49	18.40	17.85	103,400	2.41	2.03
May 2015	19.66	21.82	2.16	21.11	21.48	0.37	18.17	17.85	87,746	1.95	0.58
June 2015	19.43	21.05	1.62	20.69	20.89	0.20	18.03	17.83	71,754	1.68	0.23
July 2015	19.29	20.37	1.08	20.36	20.27	-0.09	17.96	17.78	62,364	1.43	0.09
August 2015	19.14	20.14	1.00	20.08	19.98	-0.10	17.96	17.76	53,726	1.21	3.28
September 2015	19.08	20.61	1.53	19.93	20.18	0.26	18.01	17.78	46,710	1.09	0.83
October 2015	19.03	20.98	1.95	19.84	20.39	0.55	18.04	17.76	44,053	1.01	4.81
November 2015	19.47	22.40	2.93	20.33	21.59	1.26	18.25	17.79	59,260	1.37	8.37
December 2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2015	**19.67**	**21.75**	**2.09**	**20.83**	**21.26**	**0.43**	**18.29**	**17.84**	**818,672**	**1.71**	**33.62**

Notes: 1. Elevations in feet relative to the National Geodetic Vertical Datum of 1988 (NAVD 88).
2. Inside or outside refers to the location of the piezometer realtive to the soil-bentonite cutoff wall.
4. ΔH = groundwater elevation difference; positive = inward gradient, which is shaded in blue, and negative = outward gradient, which is shaded in red.
3. gpm = gallons per minute.
4. NA = not yet available.
5. Groundwater extracted from Cell 6 through 2/12/13, from Cells 1 and 6 from 2/13/13 through 7/20/13, and from Cell 1 after 7/20/13.

Table 2

Reactor Vault HVOC Results
BSB Shallow Aquifer Cleanup Action
Kent, Washington

Date	Pumping Rate (gpm)	HVOC	Monitoring Location																						Comments
			Inlet Riser (Top)		Inlet Riser (Middle)		Inlet Riser (Base)		Cell 1 Influent (Top)		Cell 1 Riser		Cell 2 Riser			Cell 3 Riser				Cell 6 Riser		
			Concentration (µg/L)	Q	Concentration (µg/L)	Q	Concentration (µg/L)	Q	Concentration (µg/L)	Q	Concentration (µg/L)	Q	Concentration (µg/L)	Q	Cell 1/ Cell 2 Δ	Concentration (µg/L)	Q	Cell 2/ Cell 3 Δ	Cell 1/ Cell 3 Δ	Concentration (µg/L)	Q	
3/27/12	0.5	TCE	–		15.7		–		–		–		–			–				–		Collected before rate increased to 2 gpm
		cDCE	–		142		–		–		–		–			–				–		Cell 1 crust in place
		VC	–		63.6		–		–		–		–			–				–		
4/10/12	2.0	TCE	–		19.5		–		–		24.3		2.49		0.10	0.500	U	0.20	0.02	–		Collected after the first 2 gpm pore volume
		cDCE	–		181		–		–		778		157		0.20	1.67		0.01	0.00	–		Cell 1 crust in place
		VC	–		97.4		–		–		220		53.9		0.25	1.36		0.03	0.01	–		
4/17/12	2.0	TCE	–		2.00		–		–		28.2		2.75		0.10	0.500	U	0.18	0.02	–		Collected after the second 2 gpm pore volume
		cDCE	–		210		–		–		987		252		0.26	8.39		0.03	0.01	–		Cell 1 crust in place
		VC	–		171		–		–		273		82.6		0.30	4.74		0.06	0.02	–		
4/23/12	3.0	TCE	–		20.3		–		37.0		38.6		2.73		0.07	0.500	U	0.18	0.01	–		Collected after the first 3 gpm pore volume
		cDCE	–		232		–		1,240		1,200		262		0.22	57.0		0.22	0.05	–		Cell 1 crust in place
		VC	–		120		–		351		340		92.1		0.27	24.9		0.27	0.07	–		
5/1/12	3.0	TCE	22.2		–		11.5		21.6		112		23.4		0.21	0.500	U	0.02	0.004	–		Collected after the second 3 gpm pore volume
		cDCE	526		–		243		437		1,850		1,340		0.72	575		0.43	0.31	–		
		VC	203		–		122		101		355		255		0.72	162		0.64	0.46	–		
5/7/12	4.0	TCE	36.9		–		57		114		125		59.9		0.48	10.4		0.17	0.08	–		Collected after the first 4 gpm pore volume
		cDCE	375		–		842		1,740		1,840		1,500		0.82	1,220		0.81	0.66	–		
		VC	97.7		–		259		394		422		349		0.83	285		0.82	0.68	–		
5/10/12	4.0	TCE	63.4		–		51.5		136		142		64		0.45	9.44		0.15	0.07	–		Collected after the second 4 gpm pore volume
		cDCE	396		–		701		1,870		1,900		1,530		0.81	1,210		0.79	0.64	–		
		VC	175		–		227		420		423		345		0.82	282		0.82	0.67	–		
5/23/12	3.0	TCE	–		–		–		–		20.2		–			–				–		
		cDCE	–		–		–		–		2,360		–			–				–		
		VC	–		–		–		–		364		–			–				–		
6/4/12	3.0	TCE	178		–		33.5		25.7		19.2		7.02		0.37	1.37		0.20	0.07	–		
		cDCE	1,490		–		881		2,490		2,470		2,250		0.91	1,580		0.70	0.64	–		
		VC	213		–		275		414		411		365		0.89	257		0.70	0.63	–		
7/3/12	2.5	TCE	–		44.8		28.9		248		125		51.5		0.41	1.94		0.04	0.02	1.09		Collected 1 week after maintenance of
		cDCE	–		1,220		873		2,480		2,490		2,130		0.86	1,640		0.77	0.66	1,470		cells 1, 2, and 3
		VC	–		302		230		380		390		319		0.82	244		0.76	0.63	218		
7/18/12	2.5	TCE	–		–		–		264		41.4		31.0		0.75	1.17		0.04	0.03	–		4.5 hours extra residence time (discharge pump
		cDCE	–		–		–		2,580		2,710		2,040		0.75	1,090		0.53	0.40	–		down prior to sampling)
		VC	–		–		–		428		462		340		0.74	141		0.41	0.31	–		
8/2/12	2.0	TCE	–		–		–		153		2.95		3.10		1.05	0.540		0.17	0.18	–		
		cDCE	–		–		–		2,320		2,870		2,580		0.90	1,510		0.59	0.53	–		
		VC	–		–		–		300		380		323		0.85	182		0.56	0.48	–		
8/20/12	1.5	TCE	–		–		–		99.0		0.750		1.58		2.11	0.500	U	0.32	0.67	–		
		cDCE	–		–		–		1,510		2,130		1,810		0.85	742		0.41	0.35	–		
		VC	–		–		–		224		434		316		0.73	120		0.38	0.28	–		
9/27/12	1.0	TCE	–		–		–		47.6		4.22		0.730		0.17	0.500	U	0.68	0.12	–		
		cDCE	–		–		–		1,430		1,780		1,280		0.72	206		0.16	0.12	–		
		VC	–		–		–		214		392		292		0.74	46.1		0.16	0.12	–		
10/17/12	1.0	TCE	–		–		–		14.7		1.27		0.920		0.72	0.500	U	0.54	0.39	–		
		cDCE	–		–		–		1,320		1,570		1,260		0.80	162		0.13	0.10	–		
		VC	–		–		–		204		396		306		0.77	43.8		0.14	0.11	–		
11/1/12	1.0	TCE	–		–		–		7.93		4.15		1.53		0.37	0.500	U	0.33	0.12	–		
		cDCE	–		–		–		978		1,030		726		0.70	182		0.25	0.18	–		
		VC	–		–		–		185		215		159		0.74	39.4		0.25	0.18	–		

Table 2

Reactor Vault HVOC Results
BSB Shallow Aquifer Cleanup Action
Kent, Washington

Date	Pumping Rate (gpm)	HVOC	Monitoring Location																				Comments
			Inlet Riser (Top)		Inlet Riser (Middle)		Inlet Riser (Base)		Cell 1 Influent (Top)		Cell 1 Riser		Cell 2 Riser			Cell 3 Riser				Cell 6 Riser		
			Concentration (µg/L)	Q	Concentration (µg/L)	Q	Concentration (µg/L)	Q	Concentration (µg/L)	Q	Concentration (µg/L)	Q	Concentration (µg/L)	Q	Cell 1/ Cell 2 Δ	Concentration (µg/L)	Q	Cell 2/ Cell 3 Δ	Cell 1/ Cell 3 Δ	Concentration (µg/L)	Q	
11/19/12	1.0	TCE	–		–		–		4.73		2.56		0.900		0.35	0.500	U	0.56	0.20	–		
		cDCE	–		–		–		971		1,100		748		0.68	139		0.19	0.13	–		
		VC	–		–		–		193		234		151		0.65	31.2		0.21	0.13	–		
2/7/13	1.6	TCE	–		–		–		6.82		5.62		4.13		0.73	0.500	U	0.12	0.09	–		
		cDCE	–		–		–		1,790		1,600		1,350		0.84	896		0.66	0.56	–		
		VC	–		–		–		378		346		270		0.78	178		0.66	0.51	–		
4/24/13	0.6	TCE	–		5.10		–		6.77		5.71		5.04		0.88	0.500	U	0.10	0.09	–		
		cDCE	–		694		–		1,860		1,670		1,620		0.97	292		0.18	0.17	–		
		VC	–		222		–		356		308		314		1.02	61.5		0.20	0.20	–		
5/20/13	0.6	TCE	–		1.64		–		14.8		12.4		11.1		0.90	0.510		0.05	0.04	–		
		cDCE	–		726		–		1,940		1,930		2,020		1.05	628		0.31	0.33	–		
		VC	–		412		–		442		503		484		0.96	152		0.31	0.30	–		

Notes: 1. Chemistry data in the inlet riser should be equivalent to chemistry data on top of the Cell 1 treatment media, chemistry data in the Cell 1 riser should be equivalent to chemistry data on top of the Cell 2 treatment media, and chemistry data in the Cell 2 riser should be equivalent to chemistry data on top of the Cell 3 treatment media

2. gpm = gallons per minute

3. µg/L = micrograms per liter

4. HVOC = halogenated volatile organic compound

5. Q = qualifier assigned by the analytical laboratory or as a result of a data quality review

6. Δ = cell effluent HVOC concentration divided by cell influent HVOC concentration, concentrations below the method reporting limit assumed to be at the method reporting limit

7. U = not detected at or above the method reporting limit

8. – = not sampled

Table 3

Reactor Vault General Chemistry and Dissolved Gas Results
BSB Shallow Aquifer Cleanup Action
Kent, Washington

Date	Pumping Rate (gpm)	Parameter	Monitoring Location: Inlet Riser (Top) Concentration (mg/L)	Q	Inlet Riser (Middle) Concentration (mg/L)	Q	Inlet Riser (Base) Concentration (mg/L)	Q	Cell 1 Influent (Top) Concentration (mg/L)	Q	Cell 1 Riser Concentration (mg/L)	Q	Cell 2 Riser Concentration (mg/L)	Q	Cell 3 Riser Concentration (mg/L)	Q	Comments
4/17/12	2.0	Calcium	–		49.7		–		–		30.7		3.87		0.979		Collected after the second 2 gpm pore volume
		Iron, total	–		1.64		–		–		0.403		0.100	U	0.100	U	
		Magnesium, total	–		13.7		–		–		7.56		0.441		0.100	U	
		Manganese, total	–		1.07		–		–		0.0353		0.00317		0.00200	U	
		Potassium	–		5.12		–		–		5.93		6.42		5.19		
		Silicon	–		23.3		–		–		3.17		1.65		1.59		
		Silica, dissolved (as SiO_2)	–		49.8		–		–		6.78		3.54		3.40		
		Sodium	–		154		–		–		121		122		110		
		Alkalinity	–		403		–		–		292		211		180		
		Chloride	–		9.46		–		–		15.9		16.5		16.6		
		Nitrate (as N)	–		0.100	U	–		–		0.100	U	0.100	U	0.500		
		Sulfate	–		41.4		–		–		24.1		22.1		21.5		
		DOC	–		14.9		–		–		11.1		7.51		8.47		
		TDS	–		594		–		–		422		326		288		
		pH	–		7.34		–		–		9.61		11.20		11.35		
		Temperature	–		10.6		–		–		11.1		10.6		10.6		
		ORP	–		-81		–		–		-93		-80		-420		
4/23/12		pH (pH units)	–		11.65		–		9.68		9.58		10.76		11.32		Collected after the first 3 gpm pore volume
		Temperature (^oC)	–		13.9		–		14.5		13.2		13.6		13.7		
		ORP (mV)	–		-75		–		52		34		-39		-38		
5/1/12	3.0	Calcium	38.5		–		–		–		34.2		31.9		15.4		Collected after the second 3 gpm pore volume
		Iron, total	2.81		–		–		–		16.5		3.98		0.555		
		Magnesium, total	9.55		–		–		–		7.69		8.37		9.23		
		Manganese, total	1.14		–		–		–		1.02		0.485		0.151		
		Potassium	4.31		–		–		–		4.22		4.53		4.84		
		Silicon	23.6		–		–		–		15.9		2.39		0.760		
		Silica, dissolved (as SiO_2)	50.4		–		–		–		34.0		5.12		1.63		
		Sodium	158		–		–		–		133		130		128		
		Alkalinity	374		–		–		–		334		327		292		
		Chloride	11.9		–		–		–		18.5		18.9		19.0		
		Nitrate (as N)	0.100	U	–		–		–		0.100	U	0.100	U	0.100	U	
		Sulfate	52.2		–		–		–		24.9		23.5		17.7		
		DOC	11.9		–		–		–		10.4		7.48		5.21		
		TDS	564		–		–		–		472		444		370		
		pH (pH units)	8.82		–		–		–		9.98		9.35		9.67		
		Conductance (µS/cm)	671		–		–		–		434		527		496		
		Temperature (^oC)	12.2		–		–		–		12.4		12.1		12.0		
		ORP (mV)	-120		–		–		–		-97		-374		-205		
5/7/12		pH (pH units)	10.24		–		7.12		9.05		8.44		8.97		9.71		Collected after the first 4 gpm pore volume
		Conductance (µS/cm)	338		–		642		479		566		530		492		
		Temperature (^oC)	13.2		–		12.9		13.1		13.2		13.2		12.8		
		ORP (mV)	-142		–		-110		-213		-275		-385		-287		

Table 3

Reactor Vault General Chemistry and Dissolved Gas Results
BSB Shallow Aquifer Cleanup Action
Kent, Washington

Date	Pumping Rate (gpm)	Parameter	Monitoring Location: Inlet Riser (Top) Concentration (mg/L)	Q	Inlet Riser (Middle) Concentration (mg/L)	Q	Inlet Riser (Base) Concentration (mg/L)	Q	Cell 1 Influent (Top) Concentration (mg/L)	Q	Cell 1 Riser Concentration (mg/L)	Q	Cell 2 Riser Concentration (mg/L)	Q	Cell 3 Riser Concentration (mg/L)	Q	Comments
5/10/12	4.0	Calcium	31.7		–		34.2		31.4		29.9		31.5		17.2		Collected after the second 4 gpm pore volume
		Iron, total	4.15		–		5.35		27.8		28.8		10.7		1.02		
		Magnesium, total	3.34		–		9.73		8.50		8.30		8.72		8.01		
		Manganese, total	0.377		–		1.09		0.997		0.929		0.663		0.0893		
		Potassium	3.87		–		4.69		4.48		4.37		4.72		4.77		
		Silicon	15.2		–		24.0		18.3		20.1		3.25		0.831		
		Silica, dissolved (as SiO_2)	32.6		–		51.4		39.1		43.1		6.96		1.78		
		Sodium	109		–		168		143		148		153		121		
		Alkalinity	260		–		355		318		319		318		277		
		Chloride	9.12		–		15.5		21.0		20.8		20.6		20.9		
		Nitrate (as N)	0.100	U	–		0.100	U	0.100	U	0.100	U	0.100	U	0.100	U	
		Sulfate	29.7		–		49.8		23.9		23.8		20.8		17.6		
		DOC	12.1		–		14.8		12.5		11.8		11.6		8.41		
		TDS	358		–		560		478		498		414		350		
		pH (pH units)	9.48		–		7.18		7.89		7.94		8.46		9.31		
		Conductance (µS/cm)	396		–		633		573		588		540		491		
		Temperature (^oC)	14.9		–		14.1		14.0		13.5		14.1		14.2		
		ORP (mV)	-123		–		-121		-189		-266		-360		-164		
		Dissolved oxygen	0.13		–		0.11		0.05		0.12		0.06		0.03		
7/3/12	2.5	Calcium	–		42.0		38.5		24.5		24.1		21.5		9.28		Collected 1 week after maintenance of cells 1, 2, and 3
		Iron, total	–		5.63		3.57		7.94		40.3		13.6		0.400		
		Magnesium, total	–		13.5		11.0		8.97		8.81		8.19		7.64		
		Manganese, total	–		1.76		1.40		1.05		1.15		0.433		0.0028		
		Potassium	–		4.82		4.74		4.33		4.25		4.01		4.26		
		Silicon	–		27.8		27.0		22.4		26.8		2.83		0.878		
		Silica, dissolved (as SiO_2)	–		59.5		57.9		47.9		57.3		6.05		1.88		
		Sodium	–		118		158		117		117		109		116		
		Alkalinity	–		393		410		330		310		334		292		
		Chloride	–		11.7		16.7		22.2		20.3		21.0		22.0		
		Nitrate (as N)	–		0.100	U	0.100	U	0.100	U	0.100	U	8.33		0.100	U	
		Sulfate	–		39.2		68.6		8.99		22.0		0.341		0.300	U	
		DOC	–		11.3		12.7		10.4		9.57		9.66		12.9		
		TDS	–		558		602		450		448		394		364		
		pH (pH units)	–		7.29		7.60		8.63		8.59		9.13		9.81		
		Conductance (µS/cm)	–		579		628		500		570		497		452		
		Temperature (^oC)	–		14.2		14.6		15.2		14.6		14.8		14.8		
		ORP (mV)	–		-115		-107		-121		-234		-276		-240		
		Dissolved oxygen	–		0.21		0.28		0.12		0.12		0.06		0.11		
7/18/12	2.5	pH (pH units)	–		–		–		7.44		8.19		8.19		9.57		4.5 hours extra residence time (discharge pump down prior to sampling)
		Conductance (µS/cm)	–		–		–		488		519		493		414		
		Temperature (^oC)	–		–		–		17.0		16.1		16.3		16.2		
		ORP (mV)	–		–		–		-109		-218		-161		-272		
		Dissolved oxygen	–		–		–		0.06		0.12		0.04		0.03		

Table 3

Reactor Vault General Chemistry and Dissolved Gas Results
BSB Shallow Aquifer Cleanup Action
Kent, Washington

Date	Pumping Rate (gpm)	Parameter	Monitoring Location: Inlet Riser (Top) Concentration (mg/L)	Q	Inlet Riser (Middle) Concentration (mg/L)	Q	Inlet Riser (Base) Concentration (mg/L)	Q	Cell 1 Influent (Top) Concentration (mg/L)	Q	Cell 1 Riser Concentration (mg/L)	Q	Cell 2 Riser Concentration (mg/L)	Q	Cell 3 Riser Concentration (mg/L)	Q	Comments
8/2/12	2.0	pH (pH units)	–		–		–		7.39		8.03		8.35		9.69		
		Conductance (µS/cm)	–		–		–		479		525		475		419		
		Temperature (^{o}C)	–		–		–		18.3		17.1		16.6		16.6		
		ORP (mV)	–		–		–		-74		-230		-253		-143		
		Dissolved oxygen	–		–		–		0.09		0.13		0.05		0.04		
8/20/12	1.5	pH (pH units)	–		–		–		9.27		9.63		10.50		10.40		
		Conductance (µS/cm)	–		–		–		464		503		475		398		
		Temperature (^{o}C)	–		–		–		19.2		17.1		17.4		17.4		
		ORP (mV)	–		–		–		-75		-262		-344		-191		
		Dissolved oxygen	–		–		–		0.06		0.08		0.03		0.03		
9/27/12	1.0	pH (pH units)	–		–		–		8.42		7.48		8.82		10.06		
		Conductance (µS/cm)	–		–		–		485		471		441		385		
		Temperature (^{o}C)	–		–		–		17.2		18.1		17.7		17.4		
		ORP (mV)	–		–		–		-320		-62		-383		-262		
		Dissolved oxygen	–		–		–		0.06		0.73		0.04		0.29		
2/7/13	1.6	Calcium	–		–		–		26.5		30.2		32.3		9.87		
		Iron, total	–		–		–		3.68		12.3		7.74		0.345		
		Magnesium, total	–		–		–		6.85		7.66		8.34		7.90		
		Manganese, total	–		–		–		0.741		0.993		0.472		0.00798		
		Potassium	–		–		–		3.88		3.86		4.00		4.09		
		Silicon	–		–		–		22.7		12.8		5.99		0.762		
		Silica, dissolved (as SiO_2)	–		–		–		48.5		27.4		12.8		1.63		
		Sodium	–		–		–		84.9		86.5		92.6		95.1		
		Alkalinity	–		–		–		222		208		146		179		
		Chloride	–		–		–		15.7		16.2		16.8		15.7		
		Nitrate (as N)	–		–		–		0.100	U	0.100	U	0.129		0.163		
		Sulfate	–		–		–		18.3		0.918		0.730		0.300	U	
		DOC	–		–		–		8.34		6.85		7.05		5.76		
		TDS	–		–		–		396		370		358		286		
		pH (pH units)	–		–		–		6.82		7.80		8.56		9.27		
		Conductance (µS/cm)	–		–		–		593		637		601		500		
		Temperature (^{o}C)	–		–		–		11.1		11.2		10.7		11.4		
		ORP (mV)	–		–		–		201		-217		-129		-245		
		Dissolved oxygen	–		–		–		0.20		0.10		0.10		0.11		
		Dissolved hydrogen (nM)	–		–		–		1.0		35		11		16		
		Dissolved methane	–		–		–		4.4		5.8		7.2		11		
		Dissolved ethane	–		–		–		0.031		0.040		0.043		0.082		
		Dissolved ethene	–		–		–		0.048		0.067		0.079		0.16		

Table 3

Reactor Vault General Chemistry and Dissolved Gas Results
BSB Shallow Aquifer Cleanup Action
Kent, Washington

Date	Pumping Rate (gpm)	Parameter	Monitoring Location: Inlet Riser (Top) Concentration (mg/L)	Q	Inlet Riser (Middle) Concentration (mg/L)	Q	Inlet Riser (Base) Concentration (mg/L)	Q	Cell 1 Influent (Top) Concentration (mg/L)	Q	Cell 1 Riser Concentration (mg/L)	Q	Cell 2 Riser Concentration (mg/L)	Q	Cell 3 Riser Concentration (mg/L)	Q	Comments
4/24/13	0.6	Calcium	–		28.4		–		26.5		34.8		34.0		3.55		
		Iron, total	–		1.35		–		2.70		5.35		5.64		0.108		
		Magnesium, total	–		6.17		–		7.80		11.0		10.3		3.72		
		Manganese, total	–		0.539		–		0.659		0.582		0.553		0.00476		
		Potassium	–		3.03		–		3.13		3.66		3.76		3.68		
		Silicon	–		20.7		–		20.1		2.58		2.48		0.500	U	
		Silica, dissolved (as SiO_2)	–		44.3		–		42.9		5.52		5.31		1.02		
		Sodium	–		71.9		–		74.0		85.0		86.0		88.0		
		Alkalinity	–		252		–		240		272		268		187		
		Chloride	–		12.6		–		20.6		20.5		20.4		20.8		
		Nitrate (as N)	–		0.100	U	–		0.100	U	0.100	U	0.356		0.100	U	
		Sulfate	–		18.5		–		13.4		0.300	U	0.300	U	0.300	U	
		Dissolved Sulfide	–		0.500	U	–		0.500	U	0.500	U	0.500	U	0.500	U	
		DOC	–		6.92		–		8.18		7.97		8.07		5.88		
		TDS	–		314		–		352		332		354		220		
		pH (pH units)	–		8.52		–		8.04		9.11		8.81		9.52		
		Conductance (µS/cm)	–		409		–		422		433		440		352		
		Temperature (^oC)	–		14.4		–		13.1		12.9		13.7		13.8		
		ORP (mV)	–		-62		–		-6		-270		-293		-215		
		Dissolved oxygen	–		0.21		–		0.22		0.18		0.14		0.27		
5/20/13	0.6	Calcium	–		27.2		–		26.1		26.3		24.5		7.98		
		Iron, total	–		6.13		–		7.92		30.3		16.2		0.336		
		Magnesium, total	–		8.54		–		8.42		8.39		9.34		6.89		
		Manganese, total	–		1.04		–		0.812		0.844		0.620		0.00896		
		Potassium	–		3.40		–		3.57		3.46		3.63		3.61		
		Silicon	–		28.0		–		25.4		14.0		4.12		0.814		
		Silica, dissolved (as SiO_2)	–		59.8		–		54.4		29.9		8.81		1.74		
		Sodium	–		84.7		–		76.7		76.1		81.0		82.3		
		Alkalinity	–		302		–		249		304		220		273		
		Chloride	–		16.3		–		24.2		22.1		23.4		26.7		
		Nitrate (as N)	–		0.409		–		0.336		0.291		0.276		0.100	U	
		Sulfate	–		35.4		–		14.8		0.300	U	0.300	U	0.300	U	
		Dissolved Sulfide	–		0.500	U	–		0.500	U	0.500	U	0.500	U	0.500	U	
		DOC	–		11.8		–		9.26		9.14		7.54		6.26		
		TDS	–		430		–		328		308		312		258		
		pH (pH units)	–		7.22		–		7.39		7.73		8.30		9.71		
		Conductance (µS/cm)	–		498		–		431		470		438		359		
		Temperature (^oC)	–		14.4		–		15.2		14.7		14.7		14.8		
		ORP (mV)	–		-79		–		-37		-241		-299		-309		
		Dissolved oxygen	–		0.35		–		0.25		0.14		0.11		0.18		

Notes: 1. Chemistry data in the inlet riser should be equivalent to chemistry data on top of the Cell 1 treatment media, chemistry data in the Cell 1 riser should be equivalent to chemistry data on top of the Cell 2 treatment media, and chemistry data in the Cell 2 riser should be equivalent to chemistry data on top of the Cell 3 treatment media

2. gpm = gallons per minute
3. µg/L = micrograms per liter
4. Q = qualifier assigned by the analytical laboratory or as a result of a data quality review.
5. U = not detected at or above the method reporting limit
6. – = not sampled

Table 4

Summary of Groundwater Elevations in Paired Monitoring Points
BSB Shallow Aquifer Cleanup Action
Kent, Washington

Date	Pumping Rate (gpm)	Pump Location	Monthly Precipitation (inches)	Groundwater Elevations														
				Northeast Corner			North Boundary			Northwest Corner			Southwest Corner			East Boundary		
				Inside	Outside	ΔH	Inside	Outside	ΔH	Inside	Outside	ΔH	Inside	Outside	ΔH	Inside	Outside	ΔH
Shallow																		
2/6/12	–	–	3.63	21.29	23.03	1.74	23.36	23.24	-0.12	24.84	24.71	-0.13	23.67	25.15	1.48	23.60	23.45	-0.15
2/24/12	–	–	–	20.47	23.20	2.73	22.53	24.52	1.99	24.15	24.82	0.67	22.88	25.19	2.31	19.75	23.60	3.85
3/13/12	–	–	7.20	23.69	23.51	-0.18	24.77	23.49	-1.28	25.83	25.35	-0.48	24.79	25.52	0.73	23.51	24.07	0.56
3/27/12	0.6	Cell 6	–	26.28	23.51	-2.77	26.53	22.91	-3.62	26.82	24.91	-1.91	26.20	25.32	-0.88	26.18	23.60	-2.58
4/9/12	2.0	Cell 6	2.68	25.76	23.13	-2.63	26.36	22.84	-3.52	26.82	23.90	-2.92	26.06	25.33	-0.73	25.59	23.57	-2.02
4/26/12	3.0	Cell 6	–	22.84	23.16	0.32	24.65	24.22	-0.43	25.89	24.89	-1.00	24.75	25.23	0.48	22.34	23.58	1.24
5/4/12	4.0	Cell 6	2.05	22.09	22.95	0.86	23.86	22.87	-0.99	25.27	24.92	-0.35	24.13	25.26	1.13	21.90	23.55	1.65
5/7/12	4.0	Cell 6	–	21.96	22.76	0.80	23.85	22.59	-1.26	25.17	24.66	-0.51	24.03	25.08	1.05	21.63	23.28	1.65
5/10/12	4.0	Cell 6	–	21.44	22.36	0.92	23.37	22.22	-1.15	24.75	24.37	-0.38	23.64	24.85	1.21	21.10	22.93	1.83
6/11/12	2.5	Cell 6	2.96	20.31	22.44	2.13	21.84	22.22	0.38	22.40	24.16	1.76	22.26	24.56	2.30	19.98	22.92	2.94
6/25/12	2.5	Cell 6	–	20.28	22.45	2.17	21.65	22.24	0.59	22.78	24.08	1.30	22.01	24.40	2.39	19.97	22.89	2.92
6/26/12	2.5	Cell 6	–	21.02	22.27	1.25	22.00	22.05	0.05	22.92	23.99	1.07	22.26	24.36	2.10	20.74	22.75	2.01
7/3/12	2.5	Cell 6	1.04	19.80	21.89	2.09	21.21	22.01	0.80	22.44	23.71	1.27	21.71	24.07	2.36	19.55	22.51	2.96
7/18/12	2.5	Cell 6	–	19.57	21.12	1.55	20.82	21.11	0.29	21.99	23.11	1.12	21.32	23.49	2.17	19.31	21.94	2.63
8/2/12	2.0	Cell 6	0.00	19.48	20.93	1.45	20.61	20.91	0.30	21.61	22.88	1.27	21.07	23.25	2.18	19.24	21.77	2.53
8/9/12	2.0	Cell 6	–	19.37	20.69	1.32	20.46	20.79	0.33	21.42	22.65	1.23	20.90	23.00	2.10	19.11	21.57	2.46
8/20/12	1.5	Cell 6	–	19.53	20.50	0.97	20.48	20.48	0.00	21.33	22.33	1.00	20.92	22.71	1.79	19.36	21.40	2.04
9/19/12	1.0	Cell 6	0.03	19.34	19.97	0.63	20.16	19.98	-0.18	20.85	21.65	0.80	20.52	22.02	1.50	19.23	20.90	1.67
10/8/12	1.0	Cell 6	6.71	19.74	19.83	0.09	20.43	19.91	-0.52	20.96	21.34	0.38	20.74	21.70	0.96	19.71	20.76	1.05
11/9/12	1.0	Cell 6	8.28	22.01	22.50	0.49	22.60	20.47	-2.13	22.93	23.27	0.34	22.56	23.60	1.04	21.84	22.45	0.61
12/3/12	1.0	Cell 6	6.85	23.95	23.38	-0.57	24.48	22.72	-1.76	24.69	25.10	0.41	24.12	25.39	1.27	24.08	23.82	-0.26
1/4/13	1.5	Cell 6	4.16	24.69	23.02	-1.67	25.34	22.79	-2.55	25.69	24.74	-0.95	25.07	25.11	0.04	24.63	23.29	-1.34
1/24/13	3.0	Cell 6	–	22.54	22.14	-0.40	23.78	22.18	-1.60	24.56	24.31	-0.25	23.92	24.76	0.84	22.38	22.96	0.58
2/1/13	2.0	Cell 6	1.58	23.99	22.89	-1.10	25.11	22.35	-2.76	25.73	24.76	-0.97	24.69	25.10	0.41	23.75	23.42	-0.33
3/1/13	3.0	Cells 1 & 6	2.74	21.48	22.44	0.96	23.08	22.40	-0.68	24.16	24.23	0.07	23.15	24.58	1.43	21.15	23.06	1.91
4/5/13	2.8	Cells 1 & 6	5.89	20.17	22.12	1.95	21.83	22.26	0.43	23.10	24.04	0.94	22.29	24.44	2.15	19.92	22.99	3.07
5/3/13	3.0	Cell 6	2.38	20.89	22.08	1.19	22.59	22.06	-0.53	23.76	24.08	0.32	22.91	24.61	1.70	20.53	22.92	2.39
5/14/13	0.6	Cell 6	–	21.33	21.88	0.55	22.44	21.88	-0.56	23.32	23.82	0.50	22.72	24.23	1.51	21.27	22.55	1.28
6/7/13	1.8	Cell 6	1.30	21.40	21.49	0.09	22.70	21.46	-1.24	23.63	23.56	-0.07	22.90	23.93	1.03	21.23	22.30	1.07
7/12/13	2.0	Cell 1	0.00	19.98	20.86	0.88	21.22	20.82	-0.40	22.24	22.77	0.53	21.62	23.13	1.51	19.83	21.75	1.92
8/6/13	1.5	Cell 1	1.35	20.10	20.29	0.19	21.09	20.29	-0.80	21.88	22.06	0.18	21.45	22.45	1.00	20.08	21.21	1.13

Table 4

Summary of Groundwater Elevations in Paired Monitoring Points
BSB Shallow Aquifer Cleanup Action
Kent, Washington

Date	Pumping Rate (gpm)	Pump Location	Monthly Precipitation (inches)	Groundwater Elevations														
				Northeast Corner			North Boundary			Northwest Corner			Southwest Corner			East Boundary		
				Inside	Outside	ΔH	Inside	Outside	ΔH	Inside	Outside	ΔH	Inside	Outside	ΔH	Inside	Outside	ΔH
9/9/13	1.5	Cell 1	6.17	19.55	21.16	1.61	20.51	20.83	0.32	21.25	22.50	1.25	20.88	22.97	2.09	19.46	21.76	2.30
10/11/13	1.0	Cell 1	1.54	20.12	22.09	1.97	20.91	21.24	0.33	21.61	23.49	1.88	21.25	23.88	2.63	20.05	22.55	2.50
11/8/13	1.0	Cell 1	3.79	20.45	21.87	1.42	21.16	21.78	0.62	21.69	23.40	1.71	21.46	23.78	2.32	20.48	22.57	2.09
12/6/13	1.0	Cell 1	1.66	20.85	21.40	0.55	21.55	21.58	0.03	22.04	23.01	0.97	21.70	23.53	1.83	20.82	22.14	1.32
1/13/14	1.0	Cell 1	3.70	21.69	22.28	0.59	22.61	21.69	-0.92	23.06	23.90	0.84	22.51	24.39	1.88	21.58	22.85	1.27
2/7/14	1.5	Cell 1	6.11	21.00	21.42	0.42	22.05	21.50	-0.55	22.76	22.49	-0.27	22.33	24.03	1.70	20.90	22.47	1.57
3/14/14	1.5	Cell 1	9.44	23.54	23.36	-0.18	24.64	23.36	-1.28	25.35	25.53	0.18	24.62	25.79	1.17	23.25	24.18	0.93
4/11/14	1.5	Cell 1	4.18	23.46	22.49	-0.97	24.60	22.48	-2.12	25.32	24.58	-0.74	24.57	25.05	0.48	23.35	23.29	-0.06
5/8/14	1.5	Cell 1	3.15	24.20	23.05	-1.15	26.07	22.92	-3.15	26.02	25.02	-1.00	25.22	25.41	0.19	23.98	23.86	-0.12
6/5/14	1.5	Cell 1	0.73	22.71	21.59	-1.12	23.87	21.59	-2.28	24.44	23.56	-0.88	23.88	24.12	0.24	22.63	22.45	-0.18
7/3/14	2.5	Cell 1	0.77	20.00	20.98	0.98	21.40	20.97	-0.43	22.51	22.85	0.34	21.88	23.27	1.39	19.95	21.80	1.85
8/6/14	1.75	Cell 1	1.81	19.48	20.50	1.02	20.60	20.47	-0.13	21.55	22.16	0.61	21.07	22.55	1.48	19.45	21.34	1.89
9/4/14	1.48	Cell 1	2.23	19.29	21.15	1.86	20.24	20.84	0.60	21.04	22.16	1.12	20.69	22.61	1.92	19.23	21.57	2.34
10/10/14	1.13	Cell 1	6.75	19.29	20.39	1.10	20.09	20.33	0.24	20.74	21.79	1.05	20.48	22.28	1.80	19.24	21.20	1.96
11/13/14	1.80	Cell 1	4.84	20.14	22.14	2.00	21.20	21.90	0.70	21.90	23.66	1.76	21.48	24.11	2.63	19.81	22.76	2.95
12/5/14	2.00	Cell 1	4.79	20.07	22.16	2.09	21.18	22.18	1.00	21.97	23.91	1.94	21.50	24.44	2.94	19.77	22.90	3.13
1/14/15	2.00	Cell 1	3.66	20.16	22.52	2.36	21.50	22.45	0.95	22.50	24.27	1.77	21.88	24.81	2.93	19.83	23.15	3.32
2/13/15	2.50	Cell 1	5.27	20.51	23.20	2.69	22.05	23.58	1.53	23.08	25.10	2.02	22.31	25.52	3.21	20.10	23.87	3.77
3/13/15	2.29	Cell 1	4.47	19.84	22.27	2.43	21.17	22.22	1.05	22.17	24.11	1.94	21.68	24.64	2.96	19.68	22.81	3.13
4/10/15	2.60	Cell 1	2.03	20.10	22.37	2.27	21.52	22.32	0.80	22.63	24.27	1.64	22.04	24.79	2.75	19.95	23.13	3.18
5/1/15	2.00	Cell 1	0.58	19.79	22.02	2.23	21.12	21.95	0.83	22.16	23.83	1.67	21.64	24.33	2.69	19.72	22.76	3.04
6/5/15	1.85	Cell 1	0.23	19.41	21.18	1.77	20.49	21.12	0.63	21.35	22.79	1.44	20.99	23.25	2.26	19.38	21.96	2.58
7/2/15	1.60	Cell 1	0.09	19.22	20.45	1.23	20.22	20.46	0.24	21.02	21.98	0.96	20.68	22.39	1.71	19.22	21.34	2.12
8/7/15	1.30	Cell 1	3.28	19.07	19.85	0.78	19.93	19.85	-0.08	20.61	21.11	0.50	20.34	21.54	1.20	19.05	20.75	1.70
9/4/15	1.09	Cell 1	0.83	19.04	20.69	1.65	19.78	20.41	0.63	20.37	21.44	1.07	20.14	21.88	1.74	19.02	21.22	2.20
10/16/15	0.92	Cell 1	4.81	18.88	20.98	2.10	19.59	20.67	1.08	20.13	21.53	1.40	19.99	22.03	2.04	18.88	21.50	2.62
11/6/15	1.20	Cell 1	8.37	19.02	21.71	2.69	19.68	21.36	1.68	20.20	22.48	2.28	20.04	23.02	2.98	18.91	22.09	3.18
12/4/15	1.67	Cell 1	6.33[b]	19.61	22.58	2.97	20.50	22.47	1.97	21.07	24.10	3.03	20.91	24.57	3.66	19.39	23.33	3.94
Intermediate																		
2/6/12	–	–	3.63	23.07	22.27	-0.80	23.34	22.55	-0.79	23.57	23.94	0.37	23.62	25.09	1.47	22.91	23.50	0.59
2/24/12	–	–	–	22.26	22.41	0.15	22.53	22.66	0.13	22.80	24.00	1.20	22.85	25.18	2.33	22.12	23.59	1.47

Table 4

Summary of Groundwater Elevations in Paired Monitoring Points
BSB Shallow Aquifer Cleanup Action
Kent, Washington

Date	Pumping Rate (gpm)	Pump Location	Monthly Precipitation (inches)	Groundwater Elevations														
				Northeast Corner			North Boundary			Northwest Corner			Southwest Corner			East Boundary		
				Inside	Outside	ΔH	Inside	Outside	ΔH	Inside	Outside	ΔH	Inside	Outside	ΔH	Inside	Outside	ΔH
3/13/12	–	–	7.20	24.52	22.53	-1.99	24.64	22.45	-2.19	24.74	24.14	-0.60	24.79	25.54	0.75	24.46	23.82	-0.64
3/27/12	0.6	Cell 6	–	26.11	22.46	-3.65	26.14	22.71	-3.43	26.20	24.13	-2.07	26.18	25.28	-0.90	26.13	23.64	-2.49
4/9/12	2.0	Cell 6	2.68	25.85	22.32	-3.53	25.92	22.14	-3.78	26.02	24.10	-1.92	26.02	25.30	-0.72	25.86	23.58	-2.28
4/26/12	3.0	Cell 6	–	24.22	22.20	-2.02	24.43	22.18	-2.25	24.67	23.92	-0.75	24.70	25.24	0.54	24.11	23.47	-0.64
5/4/12	4.0	Cell 6	2.05	23.42	21.83	-1.59	23.85	22.45	-1.40	24.05	23.88	-0.17	24.08	25.25	1.17	23.55	23.35	-0.20
5/7/12	4.0	Cell 6	–	23.27	21.79	-1.48	23.74	22.31	-1.43	23.95	23.82	-0.13	23.99	25.05	1.06	23.40	23.27	-0.13
5/10/12	4.0	Cell 6	–	22.87	21.54	-1.33	23.33	22.05	-1.28	23.56	23.58	0.02	23.59	24.81	1.22	22.99	22.95	-0.04
6/11/12	2.5	Cell 6	2.96	21.57	21.51	-0.06	22.01	21.95	-0.06	22.91	23.37	0.46	22.23	24.54	2.31	21.71	22.93	1.22
6/25/12	2.5	Cell 6	–	21.39	21.42	0.03	21.81	21.90	0.09	21.97	23.21	1.24	21.99	24.43	2.44	21.55	22.84	1.29
6/26/12	2.5	Cell 6	–	21.79	21.31	-0.48	22.13	21.80	-0.33	22.24	23.15	0.91	22.24	24.34	2.10	21.96	22.73	0.77
7/3/12	2.5	Cell 6	1.04	21.07	21.07	0.00	21.50	21.56	0.06	21.67	22.88	1.21	21.68	24.05	2.37	21.21	22.44	1.23
7/18/12	2.5	Cell 6	–	20.72	20.66	-0.06	21.12	21.13	0.01	21.29	22.39	1.10	21.29	23.48	2.19	20.87	21.99	1.12
8/2/12	2.0	Cell 6	0.00	20.53	20.46	-0.07	20.91	20.93	0.02	21.06	22.21	1.15	21.06	23.22	2.16	20.69	21.83	1.14
8/9/12	2.0	Cell 6	–	20.37	20.31	-0.06	20.75	20.75	0.00	20.89	21.97	1.08	20.88	22.99	2.11	20.51	21.65	1.14
8/20/12	1.5	Cell 6	–	20.44	20.11	-0.33	20.78	20.55	-0.23	20.90	21.72	0.82	20.90	22.69	1.79	20.61	21.50	0.89
9/19/12	1.0	Cell 6	0.03	20.11	19.71	-0.40	20.44	20.08	-0.36	20.52	21.06	0.54	20.54	22.02	1.48	20.29	21.03	0.74
10/8/12	1.0	Cell 6	6.71	20.37	19.64	-0.73	20.67	20.00	-0.67	20.75	20.84	0.09	20.70	21.68	0.98	20.58	20.90	0.32
11/9/12	1.0	Cell 6	8.28	22.24	21.12	-1.12	22.50	21.50	-1.00	22.58	22.50	-0.08	22.53	23.61	1.08	22.44	22.47	0.03
12/3/12	1.0	Cell 6	6.85	23.84	21.76	-2.08	24.15	22.28	-1.87	24.17	23.75	-0.42	24.10	25.39	1.29	24.15	23.56	-0.59
1/4/13	1.5	Cell 6	4.16	24.74	21.67	-3.07	24.95	22.21	-2.74	25.05	23.77	-1.28	25.07	25.06	-0.01	24.95	23.23	-1.72
1/24/13	3.0	Cell 6	–	23.39	21.46	-1.93	23.75	21.95	-1.80	23.88	23.48	-0.40	23.89	24.73	0.84	23.56	22.95	-0.61
2/1/13	2.0	Cell 6	1.58	24.28	21.83	-2.45	24.63	22.30	-2.33	24.71	23.82	-0.89	24.70	25.04	0.34	24.55	23.35	-1.20
3/1/13	3.0	Cells 1 & 6	2.74	22.54	21.43	-1.11	22.95	21.95	-1.00	23.10	23.32	0.22	23.11	24.56	1.45	22.69	22.95	0.26
4/5/13	2.8	Cells 1 & 6	5.89	21.66	21.29	-0.37	22.07	21.80	-0.27	22.26	23.13	0.87	22.27	24.43	2.16	21.76	22.81	1.05
5/3/13	3.0	Cell 6	2.38	22.28	21.46	-0.82	22.66	21.97	-0.69	22.85	23.39	0.54	22.87	24.62	1.75	22.38	22.93	0.55
5/14/13	0.6	Cell 6	–	22.26	21.14	-1.12	22.60	21.64	-0.96	22.71	23.05	0.34	22.70	24.20	1.50	22.43	22.55	0.12
6/7/13	1.8	Cell 6	1.30	22.40	20.88	-1.52	22.75	21.36	-1.39	22.87	22.78	-0.09	22.87	23.92	1.05	22.53	22.35	-0.18
7/12/13	2.0	Cell 1	0.00	21.13	20.44	-0.69	21.45	20.85	-0.60	21.70	22.06	0.36	21.62	23.13	1.51	21.37	21.83	0.46
8/6/13	1.5	Cell 1	1.35	21.01	19.95	-1.06	21.34	20.38	-0.96	21.44	21.40	-0.04	21.41	22.44	1.03	21.18	21.34	0.16
9/9/13	1.5	Cell 1	6.17	20.45	20.38	-0.07	20.76	20.80	0.04	20.87	21.79	0.92	20.85	22.93	2.08	20.62	21.81	1.19
10/11/13	1.0	Cell 1	1.54	20.88	21.09	0.21	21.10	21.51	0.41	21.29	22.65	1.36	21.25	23.90	2.65	21.06	22.47	1.41
11/8/13	1.0	Cell 1	3.79	21.12	20.81	-0.31	21.40	21.25	-0.15	21.47	22.46	0.99	21.43	23.76	2.33	21.31	22.40	1.09

Table 4

Summary of Groundwater Elevations in Paired Monitoring Points
BSB Shallow Aquifer Cleanup Action
Kent, Washington

Date	Pumping Rate (gpm)	Pump Location	Monthly Precipitation (inches)	Groundwater Elevations														
				Northeast Corner			North Boundary			Northwest Corner			Southwest Corner			East Boundary		
				Inside	Outside	ΔH	Inside	Outside	ΔH	Inside	Outside	ΔH	Inside	Outside	ΔH	Inside	Outside	ΔH
12/6/13	1.0	Cell 1	1.66	21.41	20.77	-0.64	21.65	21.19	-0.46	21.71	22.39	0.68	21.72	23.51	1.79	21.60	22.15	0.55
1/13/14	1.0	Cell 1	3.70	22.18	21.14	-1.04	22.45	21.59	-0.86	22.52	22.96	0.44	22.48	24.43	1.95	22.35	22.74	0.39
2/7/14	1.5	Cell 1	6.11	22.03	20.97	-1.06	22.22	21.42	-0.80	22.33	22.77	0.44	22.30	24.01	1.71	22.07	22.52	0.45
3/14/14	1.5	Cell 1	9.44	24.23	22.43	-1.80	24.52	22.91	-1.61	24.61	24.41	-0.20	24.60	25.74	1.14	23.45	24.08	0.63
4/11/14	1.5	Cell 1	4.18	24.17	21.77	-2.40	24.50	22.27	-2.23	24.61	23.76	-0.85	24.59	25.01	0.42	24.36	23.30	-1.06
5/8/14	1.5	Cell 1	3.15	24.79	22.19	-2.60	25.13	22.66	-2.47	25.20	24.10	-1.10	25.21	25.37	0.16	24.98	23.82	-1.16
6/5/14	1.5	Cell 1	0.73	23.47	21.10	-2.37	23.65	21.55	-2.10	23.85	22.96	-0.89	23.85	24.09	0.24	23.61	22.50	-1.11
7/3/14	2.5	Cell 1	0.77	21.35	20.52	-0.83	21.72	20.94	-0.78	21.86	22.19	0.33	21.85	23.25	1.40	21.50	21.84	0.34
8/6/14	1.75	Cell 1	1.81	20.60	20.12	-0.48	20.94	20.51	-0.43	21.04	21.55	0.51	21.04	22.56	1.52	20.78	21.44	0.66
9/4/14	1.48	Cell 1	2.23	20.25	20.16	-0.09	20.56	18.55[a]	-2.01	20.66	21.53	0.87	20.64	22.61	1.97	20.42	21.60	1.18
10/10/14	1.13	Cell 1	6.75	20.12	19.94	-0.18	20.40	20.34	-0.06	20.50	21.26	0.76	20.45	22.27	1.82	20.29	21.29	1.00
11/13/14	1.80	Cell 1	4.84	21.04	21.34	0.30	21.37	21.74	0.37	21.47	22.94	1.47	21.46	24.11	2.65	21.20	22.76	1.56
12/5/14	2.00	Cell 1	4.79	21.09	21.45	0.36	21.42	21.88	0.46	21.51	23.18	1.67	21.55	24.44	2.89	21.23	22.86	1.63
1/14/15	2.00	Cell 1	3.66	21.37	21.77	0.40	21.72	22.22	0.50	21.87	23.51	1.64	21.86	24.67	2.81	21.51	23.11	1.60
2/13/15	2.50	Cell 1	5.27	21.80	22.38	0.58	22.17	22.34	0.17	22.32	24.21	1.89	22.31	25.49	3.18	21.92	23.80	1.88
3/13/15	2.29	Cell 1	4.47	21.17	21.64	0.47	21.53	22.11	0.58	21.66	23.44	1.78	21.65	24.64	2.99	21.11	22.97	1.86
4/10/15	2.60	Cell 1	2.03	21.53	21.80	0.27	21.88	22.26	0.38	22.01	23.58	1.57	22.00	24.76	2.76	21.68	23.10	1.42
5/1/15	2.00	Cell 1	0.58	21.16	21.41	0.25	21.51	21.85	0.34	21.63	23.15	1.52	21.62	24.29	2.67	21.33	22.75	1.42
6/5/15	1.85	Cell 1	0.23	20.55	20.71	0.16	20.85	21.12	0.27	20.98	22.21	1.23	21.00	23.24	2.24	20.75	21.98	1.23
7/2/15	1.60	Cell 1	0.09	20.27	20.21	-0.06	20.59	20.57	-0.02	20.65	21.46	0.81	20.70	22.39	1.69	20.48	21.40	0.92
8/7/15	1.30	Cell 1	3.28	19.95	19.67	-0.28	20.26	20.00	-0.26	20.33	20.71	0.38	20.30	21.54	1.24	20.14	20.87	0.73
9/4/15	1.09	Cell 1	0.83	19.80	19.94	0.14	20.08	20.28	0.20	20.14	20.94	0.80	20.10	21.88	1.78	20.00	21.23	1.23
10/16/15	0.92	Cell 1	4.81	19.65	20.26	0.61	19.93	20.56	0.63	20.00	21.12	1.12	19.97	22.04	2.07	19.86	21.56	1.70
11/6/15	1.20	Cell 1	8.37	19.69	20.70	1.01	19.98	21.02	1.04	20.04	21.86	1.82	20.01	23.02	3.01	19.90	22.07	2.17
12/4/15	1.67	Cell 1	6.33[b]	20.52	21.64	1.12	20.84	22.04	1.20	20.79	23.19	2.40	20.90	24.59	3.69	20.68	23.13	2.45
Deep																		
2/6/12	–	–	3.63	–	23.94	1.67	–	24.06	1.51	–	24.44	0.50	–	25.03	-0.06	24.15	–	1.24
2/24/12	–	–	–	–	23.96	1.55	–	23.19	0.53	–	24.48	0.48	–	25.04	-0.14	24.15	–	2.03
3/13/12	–	–	7.20	–	24.13	1.60	–	24.30	1.85	–	24.64	0.50	–	25.13	-0.41	24.36	–	-0.10
3/27/12	–	–	–	–	24.42	1.96	–	24.54	1.83	–	24.94	0.81	–	25.43	0.15	24.56	–	-1.57
4/9/12	–	–	2.68	–	24.18	1.86	–	22.94	0.80	–	24.77	0.67	–	25.25	-0.05	24.40	–	-1.46

Table 4

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Kent, Washington

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				Northeast Corner			North Boundary			Northwest Corner			Southwest Corner			East Boundary		
				Inside	Outside	ΔH	Inside	Outside	ΔH	Inside	Outside	ΔH	Inside	Outside	ΔH	Inside	Outside	ΔH
5/4/12	–	–	2.05	–	23.73	1.90	–	23.91	1.46	–	24.24	0.36	–	24.87	-0.38	23.91	–	0.36
5/7/12	–	–	–	–	23.71	1.92	–	23.86	1.55	–	24.27	0.45	–	24.83	-0.22	23.92	–	0.52
5/10/12	–	–	–	–	22.58	1.04	–	23.70	1.65	–	24.09	0.51	–	24.75	-0.06	23.73	–	0.74
6/11/12	–	–	2.96	–	23.44	1.93	–	23.62	1.67	–	23.98	0.61	–	24.57	0.03	23.66	–	1.95
6/25/12	–	–	–	–	23.36	1.94	–	23.53	1.63	–	23.90	0.69	–	23.49	-0.94	23.56	–	2.01
7/3/12	–	–	1.04	–	23.16	2.09	–	23.34	1.78	–	23.73	0.85	–	24.25	0.20	23.37	–	2.16
7/18/12	–	–	–	–	22.91	2.25	–	23.09	1.96	–	23.47	1.08	–	23.95	0.47	23.13	–	2.26
8/9/12	–	–	0.00	–	22.59	2.28	–	22.75	2.00	–	23.04	1.07	–	23.62	0.63	22.74	–	2.23
9/19/12	–	–	0.03	–	21.93	2.22	–	22.05	1.97	–	22.37	1.31	–	22.78	0.76	22.10	–	1.81
10/8/12	–	–	6.71	–	21.91	2.27	–	22.06	2.06	–	22.33	1.49	–	22.71	1.03	22.05	–	1.47
11/9/12	–	–	8.28	–	22.79	1.67	–	22.45	0.95	–	23.19	0.69	–	23.69	0.08	22.95	–	0.51
12/3/12	–	–	6.85	–	23.44	1.68	–	23.48	1.20	–	23.87	0.12	–	24.49	-0.90	23.63	–	-0.52
1/4/13	–	–	4.16	–	23.64	1.97	–	22.18	-0.03	–	24.14	0.37	–	24.72	-0.34	24.00	–	-0.95
1/24/13	–	–	–	–	23.59	2.13	–	23.67	1.72	–	24.19	0.71	–	24.70	-0.03	23.81	–	0.25
2/1/13	–	–	1.58	–	23.57	1.74	–	23.45	1.15	–	24.09	0.27	–	24.58	-0.46	23.75	–	-0.80
3/1/13	–	–	2.74	–	23.25	1.82	–	NM	–	–	23.80	0.48	–	24.33	-0.23	23.45	–	0.76
4/5/13	–	–	5.89	–	23.41	2.12	–	23.62	1.82	–	24.00	0.87	–	24.52	0.09	23.62	–	1.86
5/3/13	–	–	2.38	–	23.49	2.03	–	23.67	1.70	–	24.04	0.65	–	24.68	0.06	22.71	–	0.33
5/14/13	–	–	–	–	23.26	2.12	–	23.50	1.86	–	23.86	0.81	–	24.39	0.19	23.45	–	1.02
6/7/13	–	–	1.30	–	23.09	2.21	–	23.29	1.93	–	23.66	0.88	–	24.16	0.24	23.28	–	0.75
7/12/13	–	–	0.00	–	22.66	2.22	–	22.83	1.98	–	23.18	1.12	–	23.66	0.53	22.81	–	1.44
8/6/13	–	–	1.35	–	22.27	2.32	–	22.42	2.04	–	22.74	1.34	–	23.26	0.82	22.40	–	1.22
9/9/13	–	–	6.17	–	22.23	1.85	–	22.30	1.50	–	22.60	0.81	–	23.11	0.18	22.32	–	1.70
10/11/13	–	–	1.54	–	22.69	1.60	–	22.72	1.21	–	23.14	0.49	–	23.12	-0.78	22.82	–	1.76
11/8/13	–	–	3.79	–	22.61	1.80	–	22.75	1.50	–	23.06	0.60	–	23.60	-0.16	22.76	–	1.45
12/6/13	–	–	1.66	–	22.78	2.01	–	NM	–	–	23.40	1.01	–	23.67	0.16	22.95	–	1.35
1/13/14	–	–	3.70	–	22.87	1.73	–	NM	–	–	23.31	0.35	–	23.88	-0.55	23.08	–	0.73
2/7/14	–	–	6.11	–	23.24	2.27	–	23.43	2.01	–	23.85	1.08	–	–	–	23.49	–	1.42
3/14/14	–	–	9.44	–	24.18	1.75	–	24.42	1.51	–	23.74	-0.67	–	25.38	-0.36	24.45	–	1.00
4/11/14	–	–	4.18	–	23.78	2.01	–	23.99	1.72	–	24.39	0.63	–	24.94	-0.07	24.08	–	-0.28
5/8/14	–	–	3.15	–	24.08	1.89	–	24.29	1.63	–	24.67	0.57	–	25.24	-0.13	24.38	–	-0.60
6/5/14	–	–	0.73	–	23.26	2.16	–	23.55	2.00	–	23.85	0.89	–	24.38	0.29	23.51	–	-0.10

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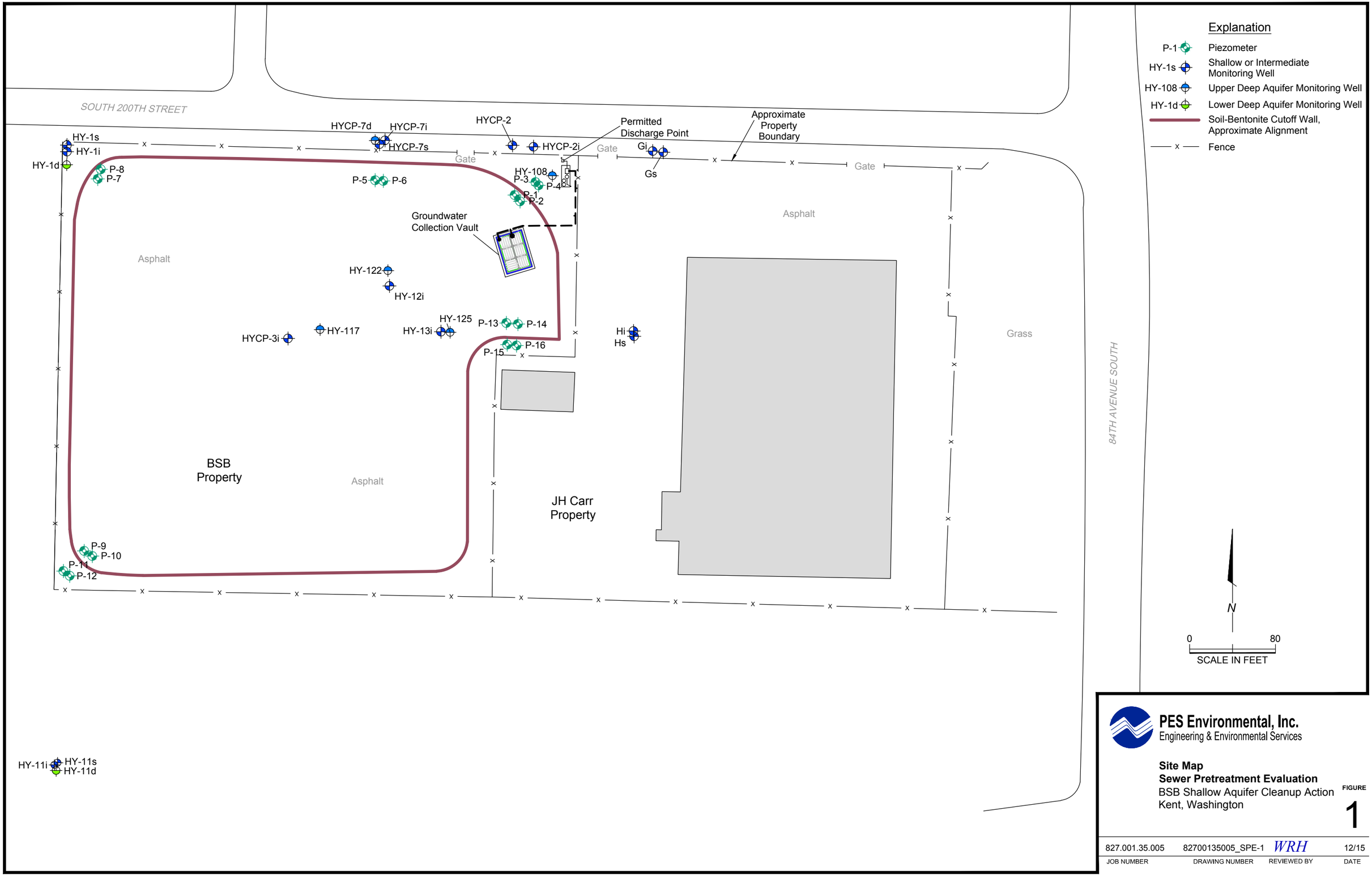
				Northeast Corner			North Boundary			Northwest Corner			Southwest Corner			East Boundary		
				Inside	Outside	ΔH	Inside	Outside	ΔH	Inside	Outside	ΔH	Inside	Outside	ΔH	Inside	Outside	ΔH
7/3/14	–	–	0.77	–	22.69	2.17	–	22.88	1.94	–	23.25	1.06	–	23.70	0.45	22.95	–	1.45
8/6/14	–	–	1.81	–	22.20	2.08	–	22.39	1.88	–	22.71	1.16	–	23.14	0.58	22.45	–	1.67
9/4/14	–	–	2.23	–	22.06	1.90	–	22.20	3.65	–	22.51	0.98	–	23.00	0.39	22.30	–	1.88
10/10/14	–	–	6.75	–	22.00	2.06	–	22.23	1.89	–	22.44	1.18	–	22.93	0.66	22.24	–	1.95
11/13/14	–	–	4.84	–	23.04	1.70	–	23.26	1.52	–	23.55	0.61	–	24.07	-0.04	23.28	–	2.08
12/5/14	–	–	4.79	–	23.25	1.80	–	23.49	1.61	–	23.81	0.63	–	24.38	-0.06	23.51	–	2.28
1/14/15	–	–	3.66	–	23.46	1.69	–	23.72	1.50	–	24.05	0.54	–	24.56	-0.11	23.71	–	2.20
2/13/15	–	–	5.27	–	23.93	1.55	–	24.15	1.81	–	24.47	0.26	–	25.12	-0.37	24.16	–	2.24
3/13/15	–	–	4.47	–	23.51	1.87	–	23.79	1.68	–	24.16	0.72	–	24.65	0.01	23.75	–	2.64
4/10/15	–	–	2.03	–	23.68	1.88	–	23.96	1.70	–	24.30	0.72	–	24.80	0.04	23.92	–	2.24
5/1/15	–	–	0.58	–	23.31	1.90	–	23.58	1.73	–	23.91	0.76	–	24.40	0.11	23.53	–	2.20
6/5/15	–	–	0.23	–	22.68	1.97	–	22.87	1.75	–	23.19	0.98	–	23.65	0.41	22.88	–	2.13
7/2/15	–	–	0.09	–	22.22	2.01	–	22.45	1.88	–	22.72	1.26	–	23.14	0.75	22.45	–	1.97
8/7/15	–	–	3.28	–	21.68	2.01	–	21.89	1.89	–	22.11	1.40	–	22.50	0.96	21.87	–	1.73
9/4/15	–	–	0.83	–	21.60	1.66	–	21.74	1.46	–	21.98	1.04	–	22.39	0.51	21.77	–	1.77
10/16/15	–	–	4.81	–	21.86	1.60	–	21.96	1.40	–	22.20	1.08	–	22.66	0.62	22.01	–	2.15
11/6/15	–	–	8.37	–	22.05	1.35	–	22.12	1.10	–	22.38	0.52	–	22.91	-0.11	22.19	–	2.29
12/4/15	–	–	6.33[b]	–	23.17	1.53	–	23.18	1.14	–	23.64	0.45	–	24.16	-0.43	23.37	–	2.69

Notes:

1. Shallow and intermediate groundwater comparisons are for monitoring points installed across the soil-bentonite cutoff wall from each other.
2. Deep to intermediate groundwater comparisons are for co-located monitoring monitoring points installed above and below the Layer C aquitard.
3. All elevations in feet relative to the North American Vertical Datum (NAVD 88).
4. ΔH = groundwater elevation difference; positive = inward or upward gradient, which is shaded in blue, and negative = outward or downward gradient, which is shaded in red.
5. – = not available or not applicable; gpm = gallons per minutes; precipitation measured at SeaTac airport (station 457473).
6. Northeast corner monitoring points = inside: P-1 (shallow), P-2 (intermediate); outside: P-3 (shallow), P-4 (intermediate), HY-108 (deep).
7. North boundary monitoring points = inside: P-5 (shallow), P-6 (intermediate); outside: HYCP-7s (shallow), HYCP-7i (intermediate), HYCP-7d (deep).
8. Northwest corner monitoring points = inside: P-7 (shallow), P-8 (intermediate); outside: HY-1s (shallow), HY-1i (intermediate), HY-1d (deep).
9. Southwest corner monitoring points = inside: P-9 (shallow), P-10 (intermediate); outside: P-11 (shallow), P-12 (intermediate), HY-11d (deep).
10. East boundary monitoring points = inside: P-13 (shallow), P-14 (intermediate), HY-125 (deep); outside: P-15 (shallow), P-16 (intermediate).

[a] Groundwater elevation suspect based on change in groundwater elevation from previous month compared to other wells.

[b] Monthly precipitation total through December 10.



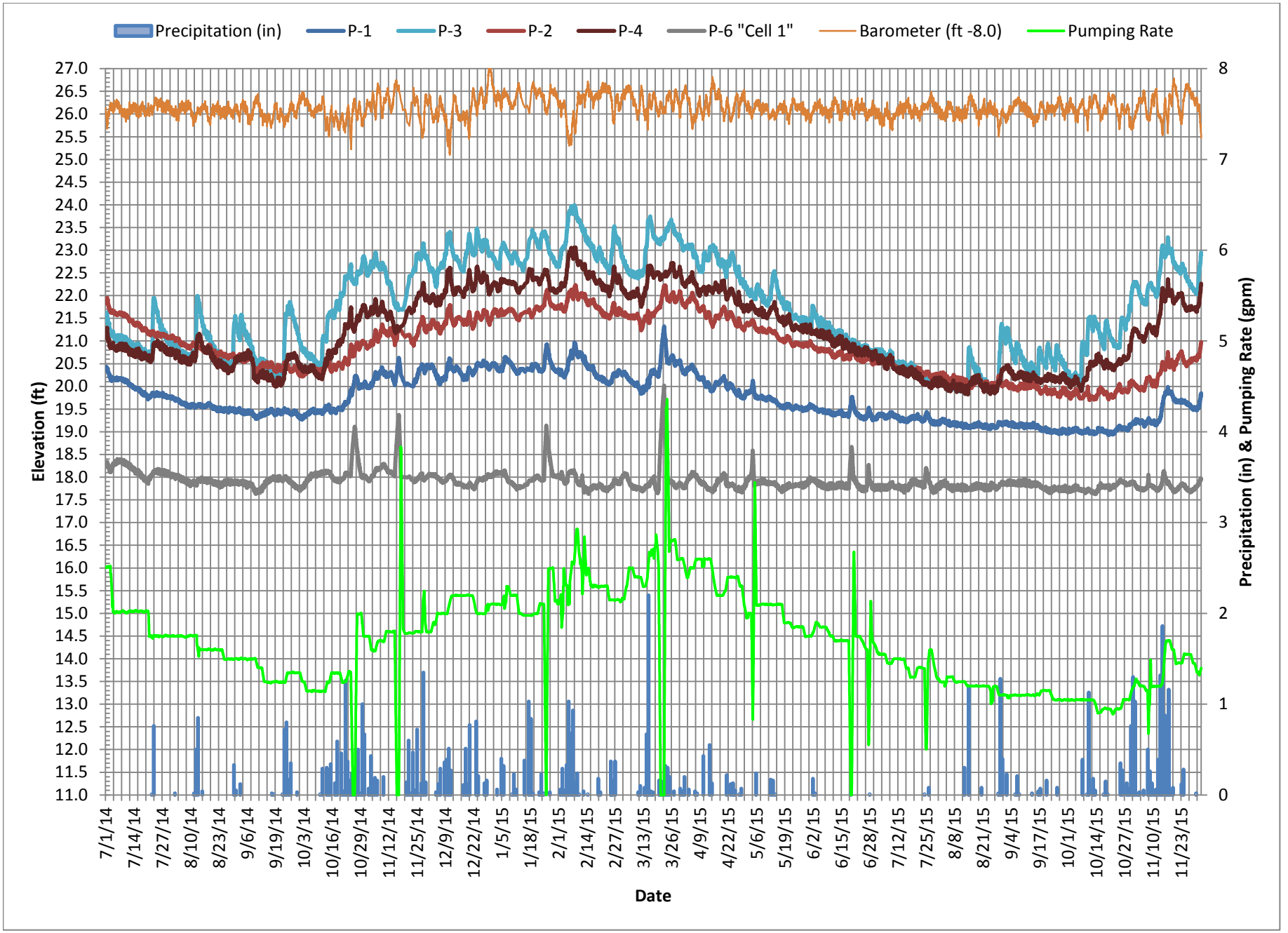
PES Environmental, Inc.
Engineering & Environmental Services

Site Map
Sewer Pretreatment Evaluation
BSB Shallow Aquifer Cleanup Action
Kent, Washington

FIGURE
1

827.001.35.005	82700135005_SPE-1	WRH	12/15
JOB NUMBER	DRAWING NUMBER	REVIEWED BY	DATE

ATTACHMENT A
Reactor Vault Area Transducer Data


Precipitation (in)
P-1
P-3
P-2
P-4
P-6 "Cell 1"
Barometer (ft -8.0)
Pumping Rate
Elevation (ft)
Precipitation (in) & Pumping Rate (gpm)
Date
27.0
26.5
26.0
25.5
25.0
24.5
24.0
23.5
23.0
22.5
22.0
21.5
21.0
20.5
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11.5
11.0
8
7
6
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4
3
2
1
0
7/1/14
7/14/14
7/27/14
8/10/14
8/23/14
9/6/14
9/19/14
10/3/14
10/16/14
10/29/14
11/12/14
11/25/14
12/9/14
12/22/14
1/5/15
1/18/15
2/1/15
2/14/15
2/27/15
3/13/15
3/26/15
4/9/15
4/22/15
5/6/15
5/19/15
6/2/15
6/15/15
6/28/15
7/12/15
7/25/15
8/8/15
8/21/15
9/4/15
9/17/15
10/1/15
10/14/15
10/27/15
11/10/15
11/23/15

Table A-1

Daily Transducer Data
BSB Shallow Aquifer Cleanup Action
Kent, Washington

Date	Average Groundwater Elevation (feet)						Average Groundwater Extraction Rate (gpm)	SeaTac Airport Precipitation (inches)	Comments
	Inside the SBCW		Outside the SBCW		Inside Reactor Vault				
	Shallow P-1	Intermediate P-2	Shallow P-3	Intermediate P-4	Cell 6 P-5	Cell 1 P-6			
4/1/12 7:00	26.28	26.18	23.44	22.40	25.45	–	1.98	0.06	
4/2/12 7:00	26.04	25.90	23.30	22.32	25.20	–	1.98	0.00	
4/3/12 7:00	26.22	26.14	23.46	22.74	25.04	–	1.98	0.06	
4/4/12 7:00	26.03	26.12	23.37	22.62	24.82	–	1.99	0.00	
4/5/12 7:00	25.88	26.01	23.28	22.46	24.60	–	1.98	0.18	
4/6/12 7:00	25.82	25.95	23.29	22.55	24.22	–	1.98	0.01	
4/7/12 7:00	25.80	25.94	23.25	22.32	24.00	–	1.98	0.00	
4/8/12 7:00	25.80	25.99	23.19	22.47	23.79	–	1.98	0.00	
4/9/12 7:00	25.72	25.98	23.10	22.77	23.70	–	1.95	0.00	adjust PT elevations to match field data; P-4 offline (repair)
4/10/12 7:00	25.78	25.88	23.13	23.28	22.38	–	1.97	0.00	
4/11/12 7:00	25.65	25.80	23.01	--	21.97	–	1.97	0.09	
4/12/12 7:00	25.58	25.71	22.95	--	21.73	–	1.96	0.02	
4/13/12 7:00	25.47	25.60	22.85	--	21.39	–	1.99	0.00	
4/14/12 7:00	25.26	25.47	22.69	--	21.02	–	1.96	0.00	
4/15/12 7:00	25.15	25.31	22.56	--	20.78	–	1.98	0.00	
4/16/12 7:00	25.25	25.45	22.77	--	20.59	–	1.96	0.32	
4/17/12 7:00	25.06	25.25	22.82	--	20.46	–	2.49	0.07	adjust PT elevations to match field data
4/18/12 7:00	25.04	25.34	22.90	--	19.56	–	2.95	0.07	
4/19/12 7:00	24.86	25.19	22.83	--	19.21	–	2.95	0.43	
4/20/12 7:00	24.81	25.18	23.05	--	19.05	–	2.96	0.26	adjust PT elevations to match field data
4/21/12 7:00	24.88	25.23	23.15	--	18.54	–	2.97	0.00	
4/22/12 7:00	25.05	25.39	23.10	--	17.99	–	2.94	0.00	
4/23/12 7:00	25.07	25.41	22.98	--	17.58	–	2.57	0.00	adjust PT elevations to match field data
4/24/12 7:00	24.98	25.38	22.86	--	16.94	–	2.33	0.17	Perforate Cell 1 ZVI (crust?)
4/25/12 7:00	23.01	24.44	22.92	--	19.86	–	2.97	0.42	
4/26/12 7:00	22.92	24.35	23.17	--	20.10	–	2.96	0.15	
4/27/12 7:00	22.64	23.99	22.93	--	20.11	–	2.96	0.03	
4/28/12 7:00	22.73	23.97	22.90	--	20.11	–	2.97	0.00	
4/29/12 7:00	22.75	24.02	22.85	--	20.05	–	2.97	0.17	
4/30/12 7:00	22.94	24.22	23.11	--	20.03	–	2.99	0.17	
Average/Total	**24.95**	**25.36**	**23.04**	**22.59**	**21.34**	**–**	**2.39**	**2.68**	
5/1/12 7:00	22.73	24.00	22.98	--	20.03	–	3.46	0.02	

Table A-1

Daily Transducer Data
BSB Shallow Aquifer Cleanup Action
Kent, Washington

Date	Average Groundwater Elevation (feet)						Average Groundwater Extraction Rate (gpm)	SeaTac Airport Precipitation (inches)	Comments
	Inside the SBCW		Outside the SBCW		Inside Reactor Vault				
	Shallow P-1	Intermediate P-2	Shallow P-3	Intermediate P-4	Cell 6 P-5	Cell 1 P-6			
5/2/12 7:00	22.34	23.70	22.78	--	19.88	–	3.97	0.02	
5/3/12 7:00	22.35	23.76	22.85	--	19.68	–	3.99	0.73	
5/4/12 7:00	22.13	23.54	22.98	--	19.63	–	3.95	0.07	
5/5/12 7:00	22.01	23.35	22.81	--	19.44	–	3.93	0.00	
5/6/12 7:00	21.99	23.33	22.78	--	19.21	–	3.96	0.00	
5/7/12 7:00	21.93	23.37	22.76	--	19.03	–	3.96	0.00	adjust PT elevations to match field data
5/8/12 7:00	21.86	23.27	22.71	--	18.86	–	3.96	0.00	
5/9/12 7:00	21.67	23.10	22.56	--	18.72	–	3.96	0.00	
5/10/12 7:00	21.47	22.90	22.39	--	18.53	–	3.95	0.00	
5/11/12 7:00	21.33	22.85	22.26	--	18.36	–	3.95	0.00	
5/12/12 7:00	21.27	22.79	22.25	--	18.21	–	3.99	0.00	
5/13/12 7:00	21.11	22.68	22.17	--	18.05	–	3.96	0.00	
5/14/12 7:00	20.99	22.62	22.17	--	17.91	–	3.96	0.00	
5/15/12 7:00	20.83	22.46	22.05	--	17.78	–	3.96	0.00	
5/16/12 7:00	20.71	22.34	22.01	--	17.63	–	3.97	0.00	
5/17/12 7:00	20.58	22.23	21.94	--	17.49	–	3.96	0.00	
5/18/12 7:00	20.45	22.08	21.87	--	17.32	–	3.32	0.00	
5/19/12 7:00	20.41	22.01	21.81	--	17.38	–	3.00	0.00	
5/20/12 7:00	20.42	22.01	21.81	--	17.40	–	3.00	0.25	
5/21/12 7:00	20.43	22.06	22.27	--	17.44	–	2.97	0.55	
5/22/12 7:00	20.54	22.02	22.54	--	17.56	–	2.96	0.24	
5/23/12 7:00	20.59	22.02	22.65	--	17.63	–	2.64	0.01	Adjust PT elevations based on survey data; P-4 online (repaired)
5/24/12 7:00	20.86	22.35	22.85	21.88	17.47	–	2.96	0.00	
5/25/12 7:00	20.81	22.35	22.70	21.78	17.46	–	2.96	0.00	
5/26/12 7:00	20.81	22.32	22.57	21.71	17.46	–	2.98	0.00	
5/27/12 7:00	20.67	22.24	22.39	21.58	17.43	–	2.95	0.00	
5/28/12 7:00	20.66	22.19	22.28	21.55	17.38	–	2.98	0.00	
5/29/12 7:00	20.57	22.11	22.17	21.48	17.31	–	2.97	0.00	
5/30/12 7:00	20.48	22.05	22.07	21.43	17.26	–	2.96	0.01	
5/31/12 7:00	20.47	22.04	22.06	21.45	17.18	–	2.95	0.15	
Average/Total	**21.14**	**22.65**	**22.40**	**21.61**	**18.13**	**–**	**3.50**	**2.05**	
6/1/12 7:00	20.50	22.09	22.45	21.64	17.16	–	2.95	0.26	

Table A-1

Daily Transducer Data
BSB Shallow Aquifer Cleanup Action
Kent, Washington

Date	Average Groundwater Elevation (feet)						Average Groundwater Extraction Rate (gpm)	SeaTac Airport Precipitation (inches)	Comments
	Inside the SBCW		Outside the SBCW		Inside Reactor Vault				
	Shallow P-1	Intermediate P-2	Shallow P-3	Intermediate P-4	Cell 6 P-5	Cell 1 P-6			
6/2/12 7:00	20.49	22.07	22.58	21.69	17.10	–	2.94	0.01	
6/3/12 7:00	20.44	21.99	22.45	21.60	17.03	–	2.96	0.00	
6/4/12 7:00	20.47	22.03	22.43	21.66	16.95	–	2.95	0.05	Agitate ZVI in cells 2 & 3
6/5/12 7:00	20.29	21.88	22.33	21.52	17.18	–	2.95	0.63	
6/6/12 7:00	20.30	21.80	22.63	21.62	17.15	–	2.97	0.00	
6/7/12 7:00	20.42	21.95	22.72	21.81	17.07	–	2.98	0.65	
6/8/12 7:00	20.43	21.92	22.94	21.88	17.09	–	2.97	0.06	
6/9/12 7:00	20.40	21.86	22.86	21.79	17.03	–	2.97	0.00	
6/10/12 7:00	20.37	21.81	22.72	21.68	16.98	–	2.96	0.00	
6/11/12 7:00	20.39	21.84	22.65	21.69	16.89	–	2.66	0.00	
6/12/12 7:00	20.45	21.91	22.58	21.71	16.96	–	2.51	0.03	Correction to P-5 (vault) Transducer 0.13-ft
6/13/12 7:00	20.37	21.87	22.42	21.62	17.08	–	2.49	0.00	
6/14/12 7:00	20.36	21.82	22.26	21.55	17.10	–	2.46	0.00	
6/15/12 7:00	20.31	21.78	22.17	21.47	17.10	–	2.46	0.00	
6/16/12 7:00	20.33	21.78	22.11	21.48	17.08	–	2.46	0.00	
6/17/12 7:00	20.34	21.84	22.13	21.55	17.05	–	2.45	0.00	
6/18/12 7:00	20.34	21.82	22.08	21.53	17.04	–	2.49	0.12	Agitate ZVI in cells 1, 2 & 3
6/19/12 7:00	20.10	21.64	22.10	21.42	17.41	–	2.51	0.04	
6/20/12 7:00	20.07	21.59	22.03	21.39	17.37	–	2.48	0.00	
6/21/12 7:00	20.07	21.65	22.02	21.46	17.36	–	2.48	0.00	
6/22/12 7:00	20.08	21.67	22.02	21.48	17.38	–	2.49	0.62	
6/23/12 7:00	20.16	21.72	22.58	21.70	17.47	–	2.49	0.34	
6/24/12 7:00	20.23	21.66	22.74	21.71	17.57	–	2.49	0.00	
6/25/12 7:00	20.33	21.70	22.68	21.69	17.57	–	3.45	0.02	System down for vault dewatering (pre-ZVI removal)
6/26/12 7:00	20.96	22.03	22.56	21.65	14.76	–	0.86	0.00	partial ZVI removal, resume pumping
6/27/12 7:00	20.03	21.60	22.37	21.53	17.08	–	2.47	0.00	
6/28/12 7:00	19.99	21.56	22.30	21.56	17.19	–	2.44	0.00	
6/29/12 7:00	19.95	21.50	22.17	21.48	17.25	–	2.49	0.01	
6/30/12 7:00	19.93	21.50	22.12	21.48	17.26	–	2.48	0.12	
Average/Total	**20.30**	**21.80**	**22.41**	**21.60**	**17.09**	**–**	**2.62**	**2.96**	
7/1/12 7:00	19.89	21.44	22.02	21.41	17.29	–	2.48	0.00	
7/2/12 7:00	19.91	21.43	22.00	21.41	17.31	–	2.47	0.08	

Table A-1

Daily Transducer Data
BSB Shallow Aquifer Cleanup Action
Kent, Washington

Date	Average Groundwater Elevation (feet)						Average Groundwater Extraction Rate (gpm)	SeaTac Airport Precipitation (inches)	Comments
	Inside the SBCW		Outside the SBCW		Inside Reactor Vault				
	Shallow P-1	Intermediate P-2	Shallow P-3	Intermediate P-4	Cell 6 P-5	Cell 1 P-6			
7/3/12 7:00	19.89	21.45	22.07	21.46	17.33	–	2.45	0.23	Correction to P-1 Transducer 0.10-ft
7/4/12 7:00	19.96	21.37	22.18	21.44	17.35	–	2.45	0.00	
7/5/12 7:00	19.94	21.37	22.07	21.42	17.35	–	2.48	0.00	
7/6/12 7:00	19.91	21.33	21.93	21.35	17.35	–	2.43	0.00	
7/7/12 7:00	19.89	21.29	21.85	21.31	17.34	–	2.43	0.00	
7/8/12 7:00	19.87	21.30	21.80	21.33	17.31	–	2.46	0.00	
7/9/12 7:00	19.84	21.27	21.71	21.29	17.30	–	2.44	0.06	
7/10/12 7:00	19.80	21.18	21.59	21.22	17.29	–	2.45	0.00	
7/11/12 7:00	19.83	21.24	21.67	21.32	17.27	–	2.43	0.00	
7/12/12 7:00	19.82	21.23	21.63	21.32	17.28	–	2.43	0.00	
7/13/12 7:00	19.78	21.18	21.55	21.26	17.25	–	2.44	0.02	
7/14/12 7:00	19.77	21.17	21.55	21.30	17.22	–	2.44	0.00	
7/15/12 7:00	19.78	21.16	21.55	21.32	17.19	–	2.25	0.00	Sys down ~2 hrs. P-102 low flow alarm.
7/16/12 7:00	19.75	21.14	21.50	21.32	17.20	–	2.44	0.01	
7/17/12 7:00	19.76	21.14	21.49	21.30	17.19	–	2.34	0.00	Sys down ~1 hrs. P-102 low flow alarm.
7/18/12 7:00	19.66	21.02	21.36	21.20	17.29	–	2.00	0.00	Sys down ~4.5 hrs. P-102 low flow alarm. Correction to P-4 Transducer 0.32-ft.
7/19/12 7:00	19.66	21.01	21.37	20.90	17.24	–	2.45	0.00	
7/20/12 7:00	19.62	20.99	21.33	20.90	17.21	–	2.48	0.60	
7/21/12 7:00	19.64	20.95	21.98	21.12	17.20	–	2.50	0.00	
7/22/12 7:00	19.69	20.98	21.93	21.18	17.15	–	2.49	0.04	
7/23/12 7:00	19.59	20.91	21.87	21.12	17.07	–	2.23	0.00	Vault pumping rate reduced to 2.0 gpm
7/24/12 7:00	19.60	20.92	21.85	21.11	17.11	–	2.00	0.00	
7/25/12 7:00	19.62	20.94	21.72	21.08	17.13	–	1.99	0.00	
7/26/12 7:00	19.62	20.95	21.64	21.03	17.18	–	1.98	0.00	
7/27/12 7:00	19.59	20.91	21.52	20.96	17.21	–	1.98	0.00	
7/28/12 7:00	19.56	20.86	21.43	20.89	17.21	–	1.96	0.00	
7/29/12 7:00	19.57	20.84	21.38	20.86	17.23	–	1.97	0.00	
7/30/12 7:00	19.58	20.84	21.30	20.85	17.23	–	1.96	0.00	
7/31/12 7:00	19.59	20.84	21.27	20.83	17.34	–	1.61	0.00	Sys down ~4.25 hrs. P-102 low flow alarm.
Average/Total	**19.74**	**21.12**	**21.68**	**21.19**	**17.25**	**–**	**2.29**	**1.04**	
8/1/12 7:00	19.57	20.82	21.22	20.79	17.30	–	2.00	0.00	
8/2/12 7:00	19.59	20.83	21.20	20.80	17.29	–	1.92	0.00	Sys down ~1 hrs. Fix cell 6 leaking hose.

Table A-1

Daily Transducer Data
BSB Shallow Aquifer Cleanup Action
Kent, Washington

Date	Average Groundwater Elevation (feet)						Average Groundwater Extraction Rate (gpm)	SeaTac Airport Precipitation (inches)	Comments
	Inside the SBCW		Outside the SBCW		Inside Reactor Vault				
	Shallow P-1	Intermediate P-2	Shallow P-3	Intermediate P-4	Cell 6 P-5	Cell 1 P-6			
8/3/12 7:00	19.58	20.84	21.17	20.82	17.29	–	1.97	0.00	
8/4/12 7:00	19.62	20.90	21.23	20.89	17.27	–	1.98	0.00	
8/5/12 7:00	19.59	20.88	21.17	20.86	17.26	–	1.97	0.00	
8/6/12 7:00	19.52	20.78	21.07	20.73	17.23	–	2.00	0.00	
8/7/12 7:00	19.49	20.75	21.06	20.73	17.21	–	1.99	0.00	
8/8/12 7:00	19.49	20.70	20.98	20.69	17.17	–	1.98	0.00	
8/9/12 7:00	19.45	20.67	20.97	20.68	17.14	–	1.96	0.00	
8/10/12 7:00	19.51	20.68	20.97	20.70	17.10	–	1.67	0.00	Vault pumping rate reduced to 1.5 gpm
8/11/12 7:00	19.53	20.69	20.96	20.70	17.20	–	1.49	0.00	
8/12/12 7:00	19.57	20.73	20.96	20.73	17.28	–	1.49	0.00	
8/13/12 7:00	19.59	20.72	20.89	20.68	17.34	–	1.49	0.00	
8/14/12 7:00	19.62	20.73	20.90	20.68	17.38	–	1.49	0.00	
8/15/12 7:00	19.64	20.76	20.89	20.69	17.43	–	1.49	0.00	
8/16/12 7:00	19.67	20.78	20.88	20.68	17.48	–	1.49	0.00	
8/17/12 7:00	19.68	20.76	20.81	20.63	17.51	–	1.49	0.00	
8/18/12 7:00	19.72	20.76	20.81	20.63	17.51	–	1.49	0.00	
8/19/12 7:00	19.71	20.75	20.78	20.60	17.54	–	1.49	0.00	
8/20/12 7:00	19.70	20.74	20.76	20.59	17.53	–	1.49	0.00	Correction to P-3 (0.07), P-4 (0.23), and Vault (0.06) PT's
8/21/12 7:00	19.67	20.76	20.70	20.38	17.62	–	1.49	0.00	
8/22/12 7:00	19.65	20.71	20.62	20.31	17.62	–	1.49	0.00	
8/23/12 7:00	19.64	20.73	20.61	20.34	17.60	–	1.49	0.00	
8/24/12 7:00	19.62	20.67	20.56	20.26	17.61	–	1.49	0.00	
8/25/12 7:00	19.70	20.79	20.66	20.41	17.61	–	1.49	0.00	
8/26/12 7:00	19.71	20.81	20.66	20.43	17.62	–	1.49	0.00	
8/27/12 7:00	19.64	20.69	20.54	20.27	17.62	–	1.49	0.00	
8/28/12 7:00	19.64	20.69	20.53	20.29	17.61	–	1.49	0.00	
8/29/12 7:00	19.60	20.65	20.44	20.24	17.60	–	1.49	0.00	
8/30/12 7:00	19.63	20.68	20.52	20.30	17.58	–	1.49	0.00	
8/31/12 7:00	19.63	20.69	20.50	20.30	17.58	–	1.49	0.00	
Average/Total	**19.61**	**20.75**	**20.84**	**20.57**	**17.42**	**–**	**1.64**	**0.00**	
9/1/12 7:00	19.57	20.61	20.42	20.20	17.58	–	1.49	0.00	
9/2/12 7:00	19.56	20.58	20.40	20.18	17.55	–	1.49	0.00	

Table A-1

Daily Transducer Data
BSB Shallow Aquifer Cleanup Action
Kent, Washington

Date	Average Groundwater Elevation (feet)						Average Groundwater Extraction Rate (gpm)	SeaTac Airport Precipitation (inches)	Comments
	Inside the SBCW		Outside the SBCW		Inside Reactor Vault				
	Shallow P-1	Intermediate P-2	Shallow P-3	Intermediate P-4	Cell 6 P-5	Cell 1 P-6			
9/3/12 7:00	19.58	20.59	20.41	20.21	17.55	–	1.49	0.00	
9/4/12 7:00	19.53	20.56	20.37	20.18	17.54	–	1.49	0.00	
9/5/12 7:00	19.58	20.60	20.41	20.24	17.53	–	1.49	0.00	
9/6/12 7:00	19.54	20.60	20.41	20.24	17.54	–	1.49	0.00	
9/7/12 7:00	19.54	20.53	20.32	20.17	17.54	–	1.49	0.00	
9/8/12 7:00	19.54	20.58	20.35	20.23	17.52	–	1.49	0.00	
9/9/12 7:00	19.52	20.55	20.33	20.21	17.51	–	1.49	0.01	
9/10/12 7:00	19.47	20.49	20.27	20.15	17.48	–	1.49	0.01	
9/11/12 7:00	19.43	20.41	20.24	20.08	17.46	–	1.49	0.00	
9/12/12 7:00	19.42	20.40	20.25	20.14	17.43	–	1.49	0.00	
9/13/12 7:00	19.49	20.45	20.29	20.18	17.41	–	1.49	0.00	
9/14/12 7:00	19.46	20.47	20.29	20.22	17.39	–	1.49	0.00	
9/15/12 7:00	19.41	20.42	20.23	20.14	17.36	–	1.49	0.00	
9/16/12 7:00	19.40	20.38	20.19	20.10	17.33	–	1.49	0.00	
9/17/12 7:00	19.39	20.41	20.21	20.16	17.30	–	1.10	0.00	Sys down (sump pump breaker). Vault hose rupture (reduced flow ~0.7-1.0gpm)
9/18/12 7:00	19.44	20.45	20.24	20.19	17.50	–	0.79	0.00	Repipe for overland flow. Adjust vault pumping rate to 1.0 gpm
9/19/12 7:00	19.45	20.39	20.16	20.09	17.61	–	0.98	0.00	Correction to P-2 (0.07), P-4 (-0.18)
9/20/12 7:00	19.43	20.34	20.18	20.29	17.78	–	0.99	0.00	
9/21/12 7:00	19.47	20.36	20.16	20.29	17.83	–	0.99	0.00	
9/22/12 7:00	19.52	20.38	20.15	20.29	17.90	–	0.99	0.01	
9/23/12 7:00	19.55	20.39	20.15	20.28	17.90	–	0.99	0.00	
9/24/12 7:00	19.60	20.42	20.14	20.29	17.94	–	0.99	0.00	
9/25/12 7:00	19.64	20.43	20.15	20.29	17.97	–	0.99	0.00	
9/26/12 7:00	19.65	20.46	20.14	20.29	18.00	–	0.99	0.00	
9/27/12 7:00	19.70	20.48	20.14	20.30	18.00	–	0.99	0.00	
9/28/12 7:00	19.71	20.53	20.16	20.34	18.02	–	0.99	0.00	
9/29/12 7:00	19.68	20.46	20.06	20.23	18.03	–	0.99	0.00	
9/30/12 7:00	19.65	20.38	20.01	20.14	18.05	–	0.94	0.00	
Average/Total	**19.53**	**20.47**	**20.24**	**20.21**	**17.65**	**–**	**1.25**	**0.03**	
10/1/12 7:00	19.67	20.42	20.04	20.20	18.21	–	0.72	0.00	Sys down ~8.25 hrs. Batch tank GFCI fault.
10/2/12 0:00	–	–	–	–	–	–	0.99	0.00	

Table A-1

Daily Transducer Data
BSB Shallow Aquifer Cleanup Action
Kent, Washington

Date	Average Groundwater Elevation (feet)						Average Groundwater Extraction Rate (gpm)	SeaTac Airport Precipitation (inches)	Comments
	Inside the SBCW		Outside the SBCW		Inside Reactor Vault				
	Shallow P-1	Intermediate P-2	Shallow P-3	Intermediate P-4	Cell 6 P-5	Cell 1 P-6			
10/3/12 7:00	19.71	20.43	19.99	20.16	18.18	–	0.99	0.00	
10/4/12 7:00	19.75	20.47	20.02	20.22	18.19	–	0.73	0.00	
10/5/12 7:00	19.77	20.46	19.98	20.19	18.40	–	0.72	0.00	Sys down ~13 hrs. Batch tank GFCI fault.
10/6/12 7:00	19.79	20.50	19.99	20.21	18.29	–	0.99	0.00	
10/7/12 7:00	19.84	20.56	20.04	20.27	18.29	–	0.99	0.00	
10/8/12 7:00	19.86	20.60	20.05	20.29	18.28	–	0.99	0.00	
10/9/12 7:00	19.82	20.51	19.97	20.18	18.27	–	0.99	0.00	
10/10/12 7:00	19.84	20.55	19.99	20.20	18.25	–	0.99	0.00	
10/11/12 7:00	19.86	20.56	19.98	20.19	18.24	–	0.99	0.00	
10/12/12 7:00	19.87	20.58	19.97	20.20	18.23	–	0.99	0.08	
10/13/12 7:00	19.80	20.48	19.93	20.10	18.22	–	0.99	0.19	
10/14/12 7:00	19.85	20.54	20.39	20.26	18.24	–	0.99	0.65	
10/15/12 7:00	19.86	20.59	21.00	20.46	18.26	–	0.99	0.31	
10/16/12 7:00	19.92	20.64	21.09	20.59	18.27	–	0.99	0.00	
10/17/12 7:00	19.90	20.46	20.88	20.41	18.26	–	0.99	0.00	Correction to P-4 (0.40)
10/18/12 7:00	19.90	20.54	20.80	20.19	18.54	–	0.99	0.82	
10/19/12 7:00	19.98	20.70	21.33	20.48	18.64	–	0.99	0.19	
10/20/12 7:00	20.08	20.68	21.41	20.52	18.68	–	0.99	0.02	
10/21/12 7:00	20.13	20.71	21.36	20.52	18.67	–	0.99	0.25	
10/22/12 7:00	20.30	20.86	21.56	20.72	18.71	–	0.99	0.35	
10/23/12 7:00	20.27	20.81	21.57	20.66	18.75	–	0.76	0.00	
10/24/12 7:00	20.33	20.79	21.46	20.61	18.96	–	0.53	0.28	Sys down ~16 hrs. Batch tank GFCI fault.
10/25/12 7:00	20.26	20.68	21.44	20.46	18.97	–	0.99	0.00	
10/26/12 7:00	20.39	20.82	21.61	20.66	19.01	–	0.88	0.06	Sys down ~2.25 hrs. Batch tank GFCI fault.
10/27/12 7:00	20.45	20.94	21.55	20.71	19.00	–	0.99	0.91	
10/28/12 7:00	20.60	21.09	21.94	20.98	19.14	–	0.99	0.24	
10/29/12 7:00	20.80	21.23	22.12	21.16	19.23	–	0.68	0.43	Sys down ~14 hrs. Batch tank GFCI fault.
10/30/12 7:00	20.94	21.29	22.18	21.18	19.48	–	1.41	1.36	
10/31/12 7:00	21.28	21.59	22.65	21.68	19.70	–	0.99	0.57	
Average/Total	**20.09**	**20.70**	**20.88**	**20.49**	**18.59**	**–**	**0.94**	**6.71**	
11/1/12 7:00	21.43	21.72	22.71	21.75	20.07	–	0.85	0.38	Sys down ~3 hrs minor rewiring. ZVI stiring in cells 1-3.
11/2/12 7:00	21.54	21.78	22.70	21.75	20.43	–	0.99	0.22	

Table A-1

Daily Transducer Data
BSB Shallow Aquifer Cleanup Action
Kent, Washington

Date	Average Groundwater Elevation (feet)						Average Groundwater Extraction Rate (gpm)	SeaTac Airport Precipitation (inches)	Comments
	Inside the SBCW		Outside the SBCW		Inside Reactor Vault				
	Shallow P-1	Intermediate P-2	Shallow P-3	Intermediate P-4	Cell 6 P-5	Cell 1 P-6			
11/3/12 7:00	21.66	21.95	22.70	21.71	20.55	–	0.73	0.02	Sys down ~6 hrs. Batch tank GFCI fault. Re-wire electrical to prevent GFCI faults.
11/4/12 7:00	21.75	21.99	22.55	21.56	20.60	–	1.03	0.32	
11/5/12 7:00	21.85	22.06	22.56	21.52	20.67	–	0.99	0.03	Correction to P-4 (0.15)
11/6/12 7:00	22.08	22.32	22.60	21.54	20.71	–	0.99	0.01	
11/7/12 7:00	22.04	22.34	22.41	21.46	20.73	–	0.99	0.00	
11/8/12 7:00	22.17	22.49	22.42	21.57	20.73	–	0.99	0.00	
11/9/12 7:00	22.13	22.48	22.20	21.41	20.74	–	0.99	0.00	
11/10/12 7:00	22.10	22.38	22.04	21.30	20.72	–	0.99	0.00	
11/11/12 7:00	22.08	22.30	21.90	21.22	20.69	–	0.99	0.60	
11/12/12 7:00	22.17	22.43	22.41	21.51	20.80	–	0.99	0.14	
11/13/12 7:00	22.25	22.43	22.51	21.48	20.83	–	0.99	0.21	
11/14/12 7:00	22.31	22.50	22.55	21.48	20.89	–	0.99	0.03	
11/15/12 7:00	22.46	22.62	22.53	21.52	20.90	–	0.99	0.00	
11/16/12 7:00	22.51	22.76	22.43	21.54	20.91	–	0.99	0.22	
11/17/12 7:00	22.68	22.95	22.61	21.72	20.96	–	0.99	0.24	
11/18/12 7:00	22.65	22.90	22.60	21.62	21.04	–	0.99	0.31	
11/19/12 7:00	22.94	23.15	22.91	21.88	21.20	–	0.99	2.13	
11/20/12 7:00	23.14	23.27	23.14	22.10	21.68	–	0.99	0.15	
11/21/12 7:00	23.18	23.36	23.00	21.99	21.81	–	0.99	0.44	
11/22/12 7:00	23.15	23.19	22.80	21.68	21.89	–	0.99	0.00	
11/23/12 7:00	23.39	23.43	22.89	21.85	21.90	–	0.99	1.26	
11/24/12 7:00	23.52	23.55	23.13	22.05	22.11	–	0.99	0.00	
11/25/12 7:00	23.57	23.58	22.95	21.96	22.14	–	0.99	0.00	
11/26/12 7:00	23.68	23.71	22.89	21.99	22.10	–	0.99	0.00	
11/27/12 7:00	23.66	23.75	22.73	21.93	22.04	–	0.99	0.00	
11/28/12 7:00	23.79	23.87	22.75	22.01	22.00	–	0.99	0.11	
11/29/12 7:00	23.80	23.93	22.81	22.07	21.97	–	0.99	0.06	
11/30/12 7:00	23.88	24.01	22.87	22.13	21.97	–	0.99	1.40	
Average/Total	**22.65**	**22.84**	**22.64**	**21.71**	**21.19**	**–**	**0.98**	**8.28**	
12/1/12 7:00	23.88	24.01	23.05	22.18	22.09	–	0.99	0.16	
12/2/12 7:00	24.13	24.25	23.23	22.42	22.25	–	0.99	0.77	
12/3/12 7:00	24.09	24.07	23.09	22.18	22.37	–	0.99	0.51	

Table A-1

Daily Transducer Data
BSB Shallow Aquifer Cleanup Action
Kent, Washington

Date	Average Groundwater Elevation (feet)						Average Groundwater Extraction Rate (gpm)	SeaTac Airport Precipitation (inches)	Comments
	Inside the SBCW		Outside the SBCW		Inside Reactor Vault				
	Shallow P-1	Intermediate P-2	Shallow P-3	Intermediate P-4	Cell 6 P-5	Cell 1 P-6			
12/4/12 7:00	24.48	24.42	23.38	22.34	22.53	–	0.99	0.56	
12/5/12 7:00	24.42	24.34	23.14	22.08	22.68	–	0.99	0.06	
12/6/12 7:00	24.57	24.44	23.18	22.14	22.71	–	0.99	0.06	
12/7/12 7:00	24.70	24.60	23.19	22.21	22.71	–	0.99	0.04	
12/8/12 7:00	24.67	24.56	23.05	22.06	22.68	–	0.99	0.00	
12/9/12 7:00	24.60	24.49	22.89	21.95	22.61	–	0.99	0.06	
12/10/12 7:00	24.62	24.49	22.83	21.91	22.56	–	1.23	0.02	Vault pumping rate increased to 1.5 gpm
12/11/12 7:00	24.87	24.79	23.07	22.27	22.30	–	1.48	0.12	
12/12/12 7:00	24.75	24.82	23.01	22.25	22.11	–	1.48	0.32	
12/13/12 7:00	24.63	24.66	22.95	22.10	21.94	–	1.48	0.09	
12/14/12 7:00	24.74	24.81	23.09	22.24	21.78	–	1.48	0.31	
12/15/12 7:00	24.73	24.80	23.11	22.31	21.95	–	1.48	0.21	
12/16/12 7:00	24.65	24.80	23.05	22.27	21.91	–	1.48	0.89	
12/17/12 7:00	24.92	25.11	23.31	22.57	21.93	–	1.48	0.08	
12/18/12 7:00	24.74	24.79	23.06	22.19	21.89	–	1.48	0.13	
12/19/12 7:00	24.87	24.88	23.12	22.28	21.80	–	1.48	0.54	
12/20/12 7:00	25.00	25.08	23.28	22.42	21.72	–	1.48	0.52	
12/21/12 7:00	25.04	25.05	23.29	22.43	21.67	–	1.48	0.07	
12/22/12 7:00	25.14	25.17	23.28	22.53	21.61	–	1.48	0.13	
12/23/12 7:00	25.06	25.10	23.16	22.38	21.51	–	1.48	0.26	
12/24/12 7:00	24.99	25.03	23.05	22.24	21.41	–	1.48	0.01	
12/25/12 7:00	25.24	25.19	23.23	22.45	21.31	–	1.48	0.53	
12/26/12 7:00	25.32	25.34	23.36	22.59	21.26	–	1.48	0.18	
12/27/12 7:00	25.25	25.23	23.31	22.44	21.18	–	1.49	0.16	
12/28/12 7:00	25.34	25.26	23.28	22.44	21.08	–	1.48	0.00	
12/29/12 7:00	25.31	25.26	23.15	22.37	20.97	–	1.49	0.06	
12/30/12 7:00	25.22	25.18	23.05	22.27	20.86	–	1.48	0.00	
12/31/12 7:00	25.21	25.17	23.01	22.26	20.74	–	1.48	0.00	
Average/Total	**24.81**	**24.81**	**23.14**	**22.28**	**21.87**	**–**	**1.33**	**6.85**	
1/1/13 7:00	25.04	25.03	22.83	22.11	20.58	–	1.48	0.00	
1/2/13 7:00	25.03	25.07	22.81	22.17	20.43	–	1.48	0.00	
1/3/13 7:00	24.98	25.08	22.73	22.13	20.25	–	1.48	0.16	
1/4/13 7:00	24.85	24.98	22.74	22.05	20.10	–	1.48	0.10	

Table A-1

Daily Transducer Data
BSB Shallow Aquifer Cleanup Action
Kent, Washington

Date	Average Groundwater Elevation (feet)						Average Groundwater Extraction Rate (gpm)	SeaTac Airport Precipitation (inches)	Comments
	Inside the SBCW		Outside the SBCW		Inside Reactor Vault				
	Shallow P-1	Intermediate P-2	Shallow P-3	Intermediate P-4	Cell 6 P-5	Cell 1 P-6			
1/5/13 7:00	24.68	24.95	22.97	22.18	20.83	–	1.48	0.12	
1/6/13 7:00	24.66	24.91	22.93	22.15	20.82	–	1.48	0.08	
1/7/13 7:00	24.96	25.14	23.16	22.37	20.73	–	1.49	0.09	
1/8/13 7:00	24.90	25.12	23.11	22.25	20.67	–	1.48	0.64	
1/9/13 7:00	25.40	25.49	23.44	22.58	20.75	–	1.48	1.51	
1/10/13 7:00	25.49	25.46	23.41	22.56	20.89	–	1.48	0.01	
1/11/13 7:00	25.38	25.36	23.22	22.42	20.90	–	1.48	0.00	
1/12/13 7:00	25.12	25.17	23.05	22.29	21.27	–	1.48	0.00	
1/13/13 7:00	24.98	25.04	22.90	22.18	21.22	–	1.42	0.00	
1/14/13 7:00	24.91	24.99	22.81	22.14	21.10	–	1.48	0.00	
1/15/13 7:00	24.82	24.88	22.62	22.00	20.94	–	4.87	0.00	switched to variable flow rate to lower water levels in vault.
1/16/13 7:00	24.71	24.82	22.60	22.01	18.65	–	5.87	0.00	
1/17/13 7:00	24.39	24.74	22.60	22.06	17.74	–	2.97	0.00	
1/18/13 7:00	24.18	24.64	22.53	22.08	17.40	–	2.94	0.00	
1/19/13 7:00	23.36	24.21	22.43	21.98	17.97	–	2.97	0.00	
1/20/13 7:00	23.08	24.01	22.34	21.93	17.79	–	2.97	0.00	
1/21/13 7:00	23.18	24.00	22.34	21.97	17.33	–	2.97	0.00	
1/22/13 7:00	22.56	23.72	22.20	21.80	18.11	–	2.97	0.00	
1/23/13 7:00	22.66	23.74	22.23	21.86	17.65	–	2.97	0.20	
1/24/13 7:00	22.62	23.60	22.25	21.70	17.11	–	2.29	0.23	
1/25/13 7:00	22.85	23.72	22.66	21.89	16.99	–	1.81	0.12	
1/26/13 7:00	23.10	23.87	22.85	22.02	17.00	–	1.73	0.09	
1/27/13 7:00	23.17	23.89	22.80	21.93	16.98	–	1.73	0.07	
1/28/13 7:00	23.29	23.95	22.77	21.90	16.98	–	1.73	0.31	
1/29/13 7:00	23.49	24.03	22.95	21.96	17.00	–	1.73	0.17	
1/30/13 7:00	23.73	24.16	23.07	22.03	17.14	–	1.73	0.14	
1/31/13 7:00	23.93	24.31	23.09	22.07	17.25	–	1.73	0.12	
Average/Total	**24.18**	**24.58**	**22.79**	**22.09**	**19.05**	**–**	**2.15**	**4.16**	
2/1/13 7:00	24.06	24.46	23.09	22.10	17.36	–	1.86	0.01	
2/2/13 7:00	24.24	24.56	23.06	22.11	17.30	–	1.98	0.00	
2/3/13 7:00	24.26	24.59	22.94	22.06	17.17	–	1.98	0.09	
2/4/13 7:00	24.33	24.65	22.96	22.12	17.02	–	1.84	0.00	

Table A-1

Daily Transducer Data
BSB Shallow Aquifer Cleanup Action
Kent, Washington

Date	Average Groundwater Elevation (feet)						Average Groundwater Extraction Rate (gpm)	SeaTac Airport Precipitation (inches)	Comments
	Inside the SBCW		Outside the SBCW		Inside Reactor Vault				
	Shallow P-1	Intermediate P-2	Shallow P-3	Intermediate P-4	Cell 6 P-5	Cell 1 P-6			
2/5/13 7:00	24.43	24.79	22.99	22.23	16.98	–	1.73	0.13	
2/6/13 7:00	24.33	24.70	22.92	22.08	16.92	–	1.67	0.04	
2/7/13 7:00	24.44	24.80	22.97	22.12	16.87	–	1.63	0.05	
2/8/13 7:00	24.41	24.69	22.82	21.93	16.81	–	1.50	0.00	
2/9/13 7:00	24.49	24.72	22.75	21.93	16.80	–	1.37	0.01	
2/10/13 7:00	24.42	24.68	22.61	21.84	16.76	–	1.38	0.00	
2/11/13 7:00	24.42	24.67	22.53	21.82	16.73	–	1.28	0.01	
2/12/13 7:00	24.37	24.63	22.41	21.78	16.74	–	1.10	0.04	
2/13/13 7:00	24.33	24.61	22.36	21.76	16.84	–	3.59	0.09	Begin pumping from top of Cell 1.
2/14/13 7:00	23.66	24.26	22.24	21.66	16.95	21.64	4.50	0.04	
2/15/13 7:00	23.07	23.94	22.24	21.70	16.87	20.58	4.67	0.00	
2/16/13 7:00	22.71	23.83	22.30	21.83	16.66	19.98	4.52	0.00	
2/17/13 7:00	22.30	23.54	22.17	21.72	15.96	19.53	4.40	0.00	
2/18/13 7:00	22.26	23.45	22.21	21.80	15.22	19.52	3.58	0.00	Dewater Cell 6, Cell 6 pump off
2/19/13 7:00	22.16	23.46	22.24	21.86	15.84	19.42	2.94	0.00	
2/20/13 7:00	21.96	23.20	22.04	21.63	16.39	19.30	2.37	0.06	
2/21/13 7:00	21.83	23.10	22.04	21.63	16.71	19.23	2.68	0.02	
2/22/13 7:00	21.80	23.08	22.11	21.72	16.85	19.12	2.24	0.37	
2/23/13 7:00	21.70	22.97	22.43	21.75	17.00	19.19	2.35	0.01	
2/24/13 7:00	21.67	22.78	22.35	21.62	17.14	19.07	2.84	0.00	
2/25/13 7:00	21.68	22.92	22.43	21.83	17.25	19.03	2.72	0.09	
2/26/13 7:00	21.53	22.68	22.17	21.57	17.10	18.94	3.15	0.02	Cell 6 pump on
2/27/13 7:00	21.47	22.67	22.13	21.60	16.98	18.88	3.11	0.18	
2/28/13 7:00	21.51	22.71	22.43	21.75	16.94	18.96	2.97	0.32	
Average/Total	**23.14**	**23.90**	**22.50**	**21.84**	**16.79**	**19.49**	**2.57**	**1.58**	
3/1/13 7:00	21.63	22.73	22.69	21.84	16.88	19.12	2.95	0.16	
3/2/13 7:00	21.73	22.90	22.79	21.94	16.81	19.19	2.80	0.03	
3/3/13 7:00	21.71	22.88	22.63	21.82	16.76	19.17	2.71	0.00	
3/4/13 7:00	21.73	22.89	22.55	21.80	16.82	19.15	2.65	0.00	
3/5/13 7:00	21.73	23.03	22.62	21.98	16.94	19.05	2.94	0.00	Cell 6 reprogrammed to pump based on Cell 6 transducer elevation 16.90-17.10
3/6/13 7:00	21.64	23.01	22.55	21.99	17.05	18.94	2.91	0.47	
3/7/13 7:00	21.66	22.83	22.68	21.71	17.02	19.26	3.02	0.29	

Table A-1

Daily Transducer Data
BSB Shallow Aquifer Cleanup Action
Kent, Washington

Date	Average Groundwater Elevation (feet)						Average Groundwater Extraction Rate (gpm)	SeaTac Airport Precipitation (inches)	Comments
	Inside the SBCW		Outside the SBCW		Inside Reactor Vault				
	Shallow P-1	Intermediate P-2	Shallow P-3	Intermediate P-4	Cell 6 P-5	Cell 1 P-6			
3/8/13 7:00	21.86	22.92	22.87	21.81	17.03	19.42	3.19	0.00	
3/9/13 7:00	21.84	22.85	22.66	21.64	16.91	19.33	3.47	0.00	
3/10/13 7:00	21.76	22.78	22.54	21.58	17.02	19.16	2.93	0.03	
3/11/13 7:00	21.69	22.79	22.52	21.63	17.03	19.07	2.99	0.05	
3/12/13 7:00	21.71	22.86	22.58	21.79	17.05	18.93	2.98	0.08	
3/13/13 7:00	21.54	22.74	22.43	21.72	16.94	18.84	3.10	0.09	
3/14/13 7:00	21.54	22.75	22.54	21.82	17.05	18.81	2.49	0.11	
3/15/13 7:00	21.53	22.67	22.50	21.72	17.05	18.76	2.61	0.00	
3/16/13 7:00	21.53	22.72	22.56	21.78	17.00	18.71	2.58	0.17	
3/17/13 7:00	21.44	22.66	22.46	21.69	17.00	18.69	2.42	0.00	
3/18/13 7:00	21.43	22.62	22.38	21.67	17.05	18.64	2.13	0.00	
3/19/13 7:00	21.37	22.59	22.33	21.65	16.93	18.56	2.43	0.46	
3/20/13 7:00	21.61	22.91	22.86	22.09	17.03	18.79	1.93	0.39	
3/21/13 7:00	21.56	22.69	22.82	21.79	17.11	19.16	2.01	0.32	
3/22/13 7:00	21.48	22.61	22.84	21.78	17.02	18.41	2.72	0.00	
3/23/13 7:00	21.16	22.41	22.75	21.73	17.06	17.61	2.12	0.00	
3/24/13 7:00	20.88	22.28	22.68	21.77	16.99	17.07	1.95	0.00	
3/25/13 7:00	20.69	22.20	22.64	21.83	16.94	16.85	1.72	0.00	
3/26/13 7:00	20.66	22.18	22.53	21.80	16.99	17.00	3.20	0.00	
3/27/13 7:00	21.11	22.37	22.43	21.76	17.02	18.68	0.22	0.01	
3/28/13 7:00	20.91	22.27	22.25	21.64	17.04	18.11	3.60	0.08	
3/29/13 7:00	20.70	22.08	22.10	21.53	17.07	17.69	3.53	0.00	Cell 1 reprogrammed to pump based on Cell 1 transducer elevation 17.50-17.75
3/30/13 7:00	20.61	22.00	22.04	21.50	17.09	17.69	2.79	0.00	Cell 6 pumping elevation changed to 17.00-17.15
3/31/13 7:00	20.55	22.03	22.07	21.59	17.11	17.64	2.84	0.00	
Average/Total	**21.39**	**22.62**	**22.55**	**21.75**	**16.99**	**18.56**	**2.64**	**2.74**	
4/1/13 7:00	20.47	21.95	21.97	21.52	17.14	17.62	3.02	0.00	
4/2/13 7:00	20.38	21.82	21.89	21.43	17.04	17.77	2.92	0.00	
4/3/13 7:00	20.31	21.79	21.87	21.45	17.05	17.55	3.03	0.00	
4/4/13 7:00	20.37	21.91	21.99	21.63	17.06	17.69	2.40	0.33	
4/5/13 7:00	20.34	21.88	22.35	21.68	17.10	17.73	2.81	0.73	
4/6/13 7:00	20.46	21.90	22.71	21.78	17.13	17.75	3.20	0.50	
4/7/13 7:00	20.86	22.23	23.23	22.21	17.05	18.13	2.98	1.54	

Table A-1

Daily Transducer Data
BSB Shallow Aquifer Cleanup Action
Kent, Washington

Date	Average Groundwater Elevation (feet)						Average Groundwater Extraction Rate (gpm)	SeaTac Airport Precipitation (inches)	Comments
	Inside the SBCW		Outside the SBCW		Inside Reactor Vault				
	Shallow P-1	Intermediate P-2	Shallow P-3	Intermediate P-4	Cell 6 P-5	Cell 1 P-6			
4/8/13 7:00	21.15	22.31	23.26	22.16	17.03	18.84	1.74	0.03	Cell 1 pump slowdown due to fouling
4/9/13 7:00	21.25	22.37	23.11	22.04	17.05	18.74	0.92	0.00	Cell 1 pump/meter cleaned
4/10/13 7:00	21.06	22.40	23.13	22.21	17.09	17.56	4.53	0.37	
4/11/13 7:00	20.85	22.22	23.04	22.07	17.11	17.54	3.68	0.06	
4/12/13 7:00	20.94	22.30	23.08	22.17	17.13	17.61	3.14	0.38	Cell1 pumping off until vault sampling occurs
4/13/13 7:00	21.44	22.61	23.16	22.25	17.06	19.10	0.94	0.37	
4/14/13 7:00	22.14	22.98	23.47	22.42	17.13	20.60	0.19	0.23	
4/15/13 7:00	22.68	23.39	23.40	22.45	17.13	21.56	0.30	0.00	
4/16/13 7:00	22.97	23.53	23.16	22.23	17.25	22.03	0.24	0.01	
4/17/13 7:00	23.12	23.67	22.99	22.12	17.22	22.31	0.55	0.00	
4/18/13 7:00	23.36	23.82	22.88	22.10	17.29	22.53	0.40	0.21	
4/19/13 7:00	23.69	24.14	23.19	22.34	17.34	22.85	0.36	0.81	install geotextile on cell 6 pump
4/20/13 7:00	24.00	24.30	23.38	22.43	17.06	23.47	1.30	0.00	
4/21/13 7:00	24.30	24.49	23.29	22.43	17.04	23.69	0.58	0.13	
4/22/13 7:00	24.36	24.51	23.10	22.26	17.07	23.82	0.61	0.00	
4/23/13 7:00	24.54	24.65	23.05	22.27	17.11	23.87	0.56	0.00	
4/24/13 7:00	24.63	24.73	22.88	22.20	17.14	23.90	0.60	0.00	Vault Sampling. Emerald removed plastic bits from Cell 6 discharge pipe.
4/25/13 7:00	23.37	24.36	22.88	22.27	17.03	20.57	6.91	0.00	Resume cell 1 pumping; begin vault dewatering in prep for media cleaning
4/26/13 7:00	21.99	23.51	22.67	22.07	17.12	18.12	7.59	0.00	
4/27/13 7:00	21.46	23.07	22.60	22.06	17.08	17.69	4.90	0.00	
4/28/13 7:00	21.24	22.84	22.49	22.00	17.01	17.69	3.75	0.04	
4/29/13 7:00	20.93	22.70	22.57	22.08	16.04	17.21	5.31	0.15	Close Vault Inlet and finalize cell 1-3 and 6 dewatering
4/30/13 7:00	21.55	22.82	22.54	21.94	15.35	19.61	2.92	0.00	Cell 1-3 media cleaning; Cell 6 pipe repair.
Average/Total	**22.01**	**23.04**	**22.85**	**22.08**	**17.01**	**19.84**	**2.41**	**5.89**	
5/1/13 7:00	20.93	22.42	22.28	21.73	16.80	18.03	1.33	0.00	Resume cell 6 pumping @3.0 gpm
5/2/13 7:00	21.05	22.47	22.28	21.81	16.94	18.40	2.05	0.00	
5/3/13 7:00	21.00	22.48	22.23	21.83	16.90	18.36	2.98	0.00	
5/4/13 7:00	21.04	22.47	22.22	21.71	16.83	18.31	2.99	0.00	
5/5/13 7:00	21.01	22.51	22.25	21.80	16.82	18.31	3.02	0.00	
5/6/13 7:00	20.93	22.47	22.20	21.77	16.80	18.27	3.00	0.00	

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Daily Transducer Data
BSB Shallow Aquifer Cleanup Action
Kent, Washington

Date	Average Groundwater Elevation (feet)						Average Groundwater Extraction Rate (gpm)	SeaTac Airport Precipitation (inches)	Comments
	Inside the SBCW		Outside the SBCW		Inside Reactor Vault				
	Shallow P-1	Intermediate P-2	Shallow P-3	Intermediate P-4	Cell 6 P-5	Cell 1 P-6			
5/7/13 7:00	20.81	22.33	22.06	21.63	16.73	18.20	3.00	0.00	
5/8/13 7:00	20.74	22.19	21.95	21.51	16.46	18.19	3.02	0.00	
5/9/13 7:00	20.73	22.11	21.86	21.43	17.10	18.32	1.34	0.00	Reduce flow to 0.6gpm for vault sampling
5/10/13 7:00	20.84	22.18	21.82	21.43	17.55	18.72	0.59	0.00	
5/11/13 7:00	21.06	22.28	21.82	21.45	17.92	19.10	0.60	0.00	
5/12/13 7:00	21.22	22.41	21.82	21.46	18.24	19.46	0.60	0.26	
5/13/13 7:00	21.38	22.49	22.06	21.51	18.53	19.76	0.60	0.13	
5/14/13 7:00	21.46	22.46	22.07	21.42	18.81	19.98	0.60	0.00	
5/15/13 7:00	21.57	22.56	22.00	21.46	19.02	20.19	0.60	0.04	
5/16/13 7:00	21.74	22.70	22.02	21.50	19.20	20.40	0.60	0.00	
5/17/13 7:00	21.80	22.75	21.91	21.45	19.39	20.58	0.60	0.02	
5/18/13 7:00	21.89	22.75	21.84	21.36	19.55	20.78	0.60	0.00	
5/19/13 7:00	21.88	22.69	21.67	21.23	19.78	20.82	0.60	0.00	
5/20/13 7:00	21.90	22.68	21.64	21.27	20.11	20.59	0.60	0.00	Vault Sampling
5/21/13 7:00	22.00	22.93	22.03	21.52	20.41	20.76	0.60	0.54	
5/22/13 7:00	22.10	22.95	22.44	21.70	20.58	21.00	0.60	0.54	
5/23/13 7:00	22.22	22.98	22.68	21.95	20.77	21.20	0.60	0.16	
5/24/13 7:00	22.39	23.06	22.72	21.88	20.96	21.34	0.59	0.01	
5/25/13 7:00	22.48	23.12	22.55	21.74	21.12	21.45	0.60	0.00	
5/26/13 7:00	22.58	23.24	22.42	21.66	21.27	21.59	0.60	0.06	
5/27/13 7:00	22.76	23.35	22.39	21.68	21.38	21.72	0.60	0.38	
5/28/13 7:00	22.85	23.44	22.57	21.71	21.55	21.92	0.60	0.02	
5/29/13 7:00	23.05	23.59	22.68	21.81	21.66	22.06	0.60	0.22	BART sampling; resume cell 6 pumping at max
5/30/13 7:00	22.68	23.38	22.56	21.61	19.82	21.12	6.89	0.00	
5/31/13 7:00	22.01	23.01	22.35	21.43	18.32	19.77	7.95	0.00	
Average/Total	**21.68**	**22.72**	**22.17**	**21.60**	**18.95**	**19.96**	**1.60**	**2.38**	
6/1/13 7:00	21.68	22.82	22.27	21.47	16.45	19.06	7.93	0.00	
6/2/13 7:00	21.51	22.75	22.15	21.46	15.46	19.07	3.35	0.04	
6/3/13 7:00	21.48	22.68	22.00	21.38	15.54	19.22	2.20	0.00	
6/4/13 7:00	21.50	22.65	21.90	21.33	16.40	19.35	1.64	0.00	
6/5/13 7:00	21.49	22.66	21.83	21.31	16.17	19.46	2.09	0.00	
6/6/13 7:00	21.49	22.66	21.77	21.28	15.70	19.58	2.18	0.00	
6/7/13 7:00	21.48	22.62	21.69	21.24	16.04	19.62	1.76	0.00	

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Daily Transducer Data
BSB Shallow Aquifer Cleanup Action
Kent, Washington

Date	Average Groundwater Elevation (feet)						Average Groundwater Extraction Rate (gpm)	SeaTac Airport Precipitation (inches)	Comments
	Inside the SBCW		Outside the SBCW		Inside Reactor Vault				
	Shallow P-1	Intermediate P-2	Shallow P-3	Intermediate P-4	Cell 6 P-5	Cell 1 P-6			
6/8/13 7:00	21.46	22.56	21.67	21.18	16.23	19.66	1.78	0.00	
6/9/13 7:00	21.49	22.59	21.66	21.21	15.67	19.73	2.13	0.00	
6/10/13 7:00	21.53	22.61	21.64	21.24	16.25	19.81	1.46	0.00	
6/11/13 7:00	21.50	22.60	21.59	21.19	16.02	19.86	1.82	0.00	
6/12/13 7:00	21.47	22.53	21.40	20.95	15.57	19.92	1.92	0.01	
6/13/13 7:00	21.49	22.51	21.33	20.91	16.37	19.97	1.24	0.00	
6/14/13 7:00	21.52	22.47	21.26	20.86	15.94	20.01	1.90	0.00	
6/15/13 7:00	21.65	22.60	21.36	20.99	15.83	20.11	1.60	0.00	
6/16/13 7:00	21.59	22.53	21.24	20.87	16.44	20.14	1.17	0.00	
6/17/13 7:00	21.62	22.53	21.21	20.87	15.74	20.21	1.93	0.00	
6/18/13 7:00	21.62	22.56	21.21	20.88	16.04	20.26	1.27	0.01	
6/19/13 7:00	21.65	22.57	21.19	20.87	16.26	20.33	1.27	0.00	
6/20/13 7:00	21.70	22.56	21.17	20.85	15.50	20.39	1.73	0.12	
6/21/13 7:00	21.67	22.48	21.24	20.77	16.15	20.41	0.96	0.01	Resume Cell 1 Pumping
6/22/13 7:00	21.01	22.23	21.18	20.81	16.44	18.72	4.68	0.00	
6/23/13 7:00	20.42	21.94	21.23	20.93	15.70	17.69	5.08	0.31	
6/24/13 7:00	20.26	21.83	21.54	21.02	15.81	17.70	2.95	0.19	
6/25/13 7:00	20.16	21.67	21.74	21.04	15.88	17.70	2.75	0.39	
6/26/13 7:00	20.10	21.55	22.06	21.13	16.07	17.64	2.84	0.08	Change cell 1 pumping range to 18.0-18.25 and cell 6 pumping range to 16.0-16.5
6/27/13 7:00	20.28	21.54	22.10	21.16	16.17	18.13	1.86	0.14	
6/28/13 7:00	20.35	21.56	22.06	21.18	16.27	18.13	2.43	0.00	
6/29/13 7:00	20.37	21.61	21.92	21.17	16.36	18.12	2.33	0.00	
6/30/13 7:00	20.38	21.64	21.81	21.16	16.41	18.07	2.62	0.00	
Average/Total	**21.20**	**22.34**	**21.61**	**21.09**	**16.03**	**19.27**	**2.36**	**1.30**	
7/1/13 7:00	20.30	21.63	21.69	21.10	15.98	18.08	2.63	0.00	
7/2/13 7:00	20.30	21.55	21.54	20.98	16.05	18.10	2.11	0.00	
7/3/13 7:00	20.27	21.54	21.45	20.94	16.11	18.08	2.12	0.00	
7/4/13 7:00	20.26	21.53	21.38	20.91	16.16	18.08	2.05	0.00	
7/5/13 7:00	20.27	21.54	21.38	20.94	16.22	18.10	2.06	0.00	
7/6/13 7:00	20.25	21.53	21.31	20.92	16.27	18.08	2.13	0.00	
7/7/13 7:00	20.21	21.51	21.25	20.90	16.33	18.11	2.13	0.00	
7/8/13 7:00	20.18	21.43	21.16	20.81	16.38	18.10	2.02	0.00	

Table A-1

Daily Transducer Data
BSB Shallow Aquifer Cleanup Action
Kent, Washington

Date	Average Groundwater Elevation (feet)						Average Groundwater Extraction Rate (gpm)	SeaTac Airport Precipitation (inches)	Comments
	Inside the SBCW		Outside the SBCW		Inside Reactor Vault				
	Shallow P-1	Intermediate P-2	Shallow P-3	Intermediate P-4	Cell 6 P-5	Cell 1 P-6			
7/9/13 7:00	20.14	21.40	21.11	20.79	16.42	18.05	2.10	0.00	
7/10/13 7:00	20.15	21.39	21.09	20.79	16.47	18.11	1.87	0.00	
7/11/13 7:00	20.12	21.36	21.04	20.75	15.99	18.12	2.20	0.00	
7/12/13 7:00	20.14	21.37	21.05	20.77	16.04	18.13	1.97	0.00	Asphalt sealing: Cell 1 pump and PT offline
7/13/13 7:00	20.45	21.38	20.81	20.61	16.09	–	0.69	0.00	Asphalt sealing completed
7/14/13 7:00	20.69	21.56	20.81	20.63	16.20	–	0.28	0.00	
7/15/13 7:00	20.87	21.73	20.82	20.65	16.08	–	0.68	0.00	
7/16/13 7:00	21.03	21.87	20.85	20.72	16.15	–	0.68	0.00	
7/17/13 7:00	21.05	21.83	20.72	20.56	16.33	–	0.79	0.00	
7/18/13 7:00	21.09	21.79	20.68	20.50	16.35	–	0.81	0.00	
7/19/13 7:00	21.19	21.87	20.67	20.53	16.37	–	0.84	0.00	Restart Cell 1 pumping at 1.5 gpm and reinstall cell 1 PT. Cell 6 pump offline.
7/20/13 7:00	20.98	21.83	20.64	20.56	16.75	19.64	1.59	0.00	
7/21/13 7:00	20.87	21.79	20.69	20.59	16.87	19.45	1.51	0.00	
7/22/13 7:00	20.76	21.70	20.63	20.54	16.92	19.33	1.51	0.00	
7/23/13 7:00	20.68	21.62	20.60	20.50	16.96	19.21	1.50	0.00	
7/24/13 7:00	20.61	21.58	20.56	20.47	16.99	19.14	1.51	0.00	
7/25/13 7:00	20.57	21.53	20.56	20.45	17.01	19.10	1.49	0.00	
7/26/13 7:00	20.50	21.46	20.50	20.41	17.02	19.00	1.50	0.00	
7/27/13 7:00	20.45	21.42	20.47	20.39	17.04	18.95	1.49	0.00	
7/28/13 7:00	20.44	21.43	20.51	20.45	17.04	18.91	1.49	0.00	
7/29/13 7:00	20.43	21.42	20.50	20.45	17.06	18.90	1.50	0.00	
7/30/13 7:00	20.32	21.34	20.43	20.35	17.06	18.94	1.51	0.00	
7/31/13 7:00	20.39	21.33	20.41	20.36	17.06	18.93	1.49	0.00	
Average/Total	**20.51**	**21.56**	**20.88**	**20.65**	**16.51**	**18.61**	**1.56**	**0.00**	
8/1/13 7:00	20.38	21.33	20.43	20.37	17.08	18.96	1.50	0.00	
8/2/13 7:00	20.37	21.31	20.38	20.34	17.09	18.95	1.50	0.08	
8/3/13 7:00	20.25	21.29	20.48	20.36	17.10	18.94	1.47	0.00	
8/4/13 7:00	20.26	21.30	20.47	20.39	17.09	18.92	1.50	0.00	
8/5/13 7:00	20.22	21.29	20.45	20.38	17.11	18.87	1.50	0.00	
8/6/13 7:00	20.18	21.25	20.37	20.34	17.10	18.83	1.50	0.00	
8/7/13 7:00	20.17	21.22	20.34	20.33	17.12	18.79	1.51	0.00	
8/8/13 7:00	20.16	21.18	20.33	20.30	17.13	18.81	1.49	0.00	

Table A-1

Daily Transducer Data
BSB Shallow Aquifer Cleanup Action
Kent, Washington

Date	Average Groundwater Elevation (feet)						Average Groundwater Extraction Rate (gpm)	SeaTac Airport Precipitation (inches)	Comments
	Inside the SBCW		Outside the SBCW		Inside Reactor Vault				
	Shallow P-1	Intermediate P-2	Shallow P-3	Intermediate P-4	Cell 6 P-5	Cell 1 P-6			
8/9/13 7:00	20.15	21.20	20.33	20.34	17.14	18.78	1.49	0.00	
8/10/13 7:00	20.14	21.17	20.47	20.33	17.15	18.81	1.51	0.09	
8/11/13 7:00	20.11	21.11	20.41	20.29	17.14	18.80	1.49	0.00	
8/12/13 7:00	20.09	21.10	20.35	20.29	17.16	18.79	1.50	0.00	
8/13/13 7:00	20.07	21.07	20.28	20.24	17.16	18.79	1.51	0.00	
8/14/13 7:00	20.12	21.12	20.31	20.31	17.17	18.77	1.51	0.03	
8/15/13 7:00	20.12	21.11	20.37	20.29	17.16	18.77	1.50	0.07	
8/16/13 7:00	20.06	21.07	20.38	20.26	17.16	18.78	1.49	0.00	
8/17/13 7:00	20.02	21.02	20.34	20.23	17.18	18.72	1.45	0.00	
8/18/13 7:00	19.97	20.97	20.28	20.18	17.18	18.69	1.49	0.00	
8/19/13 7:00	19.95	20.96	20.23	20.19	17.19	18.64	1.51	0.00	
8/20/13 7:00	19.90	20.92	20.21	20.15	17.19	18.62	1.50	0.00	
8/21/13 7:00	19.91	20.93	20.19	20.16	17.19	18.59	1.50	0.00	
8/22/13 7:00	19.94	20.97	20.21	20.22	17.18	18.57	1.47	0.00	
8/23/13 7:00	19.91	20.95	20.20	20.21	17.18	18.57	1.51	0.00	
8/24/13 7:00	19.90	20.92	20.15	20.17	17.19	18.57	1.51	0.00	
8/25/13 7:00	19.86	20.87	20.11	20.13	17.19	18.55	1.48	0.01	
8/26/13 7:00	19.87	20.90	20.15	20.17	17.21	18.57	1.50	0.04	
8/27/13 7:00	19.86	20.83	20.18	20.13	17.19	18.52	1.50	0.05	
8/28/13 7:00	19.85	20.86	20.51	20.21	17.21	18.51	1.50	0.22	
8/29/13 7:00	19.85	20.88	20.87	20.34	17.25	18.52	1.50	0.76	
8/30/13 7:00	19.80	20.78	21.50	20.52	17.26	18.56	1.51	0.00	
8/31/13 7:00	19.83	20.79	21.31	20.60	17.26	18.51	1.52	0.00	
Average/Total	**20.04**	**21.05**	**20.41**	**20.28**	**17.16**	**18.71**	**1.50**	**1.35**	
9/1/13 7:00	19.84	20.85	21.11	20.63	17.27	18.55	1.49	0.00	
9/2/13 7:00	19.83	20.83	20.93	20.58	17.27	18.54	1.49	0.00	
9/3/13 7:00	19.78	20.78	20.83	20.55	17.26	18.42	1.51	0.09	
9/4/13 7:00	19.72	20.74	20.90	20.52	17.28	18.37	1.50	0.01	
9/5/13 7:00	19.71	20.72	20.76	20.47	17.27	18.36	1.51	1.09	
9/6/13 7:00	19.74	20.78	21.63	20.75	17.34	18.40	1.52	0.84	
9/7/13 7:00	19.74	20.74	21.72	20.94	17.36	18.37	1.49	0.00	
9/8/13 7:00	19.67	20.71	21.49	20.88	17.36	18.25	1.51	0.00	
9/9/13 7:00	19.66	20.69	21.31	20.85	17.36	18.13	1.51	0.00	

Table A-1

Daily Transducer Data
BSB Shallow Aquifer Cleanup Action
Kent, Washington

Date	Average Groundwater Elevation (feet)						Average Groundwater Extraction Rate (gpm)	SeaTac Airport Precipitation (inches)	Comments
	Inside the SBCW		Outside the SBCW		Inside Reactor Vault				
	Shallow P-1	Intermediate P-2	Shallow P-3	Intermediate P-4	Cell 6 P-5	Cell 1 P-6			
9/10/13 7:00	19.71	20.71	21.20	20.84	17.33	18.16	1.50	0.00	
9/11/13 7:00	19.69	20.71	21.12	20.81	17.33	18.15	1.49	0.00	
9/12/13 7:00	19.66	20.65	20.95	20.70	17.32	18.11	1.48	0.00	
9/13/13 7:00	19.61	20.63	20.88	20.66	17.33	18.06	1.51	0.00	
9/14/13 7:00	19.62	20.66	20.86	20.69	17.33	18.02	1.51	0.00	
9/15/13 7:00	19.62	20.68	20.85	20.71	17.33	17.99	1.49	0.13	
9/16/13 7:00	19.50	20.56	21.18	20.66	17.33	17.86	1.50	0.01	
9/17/13 7:00	19.45	20.51	21.04	20.66	17.32	17.74	1.51	0.00	
9/18/13 7:00	19.31	20.39	20.83	20.54	17.32	17.56	1.51	0.00	
9/19/13 7:00	19.29	20.35	20.71	20.54	17.32	17.34	1.50	0.00	
9/20/13 7:00	–	–	–	–	–	–	0.89	0.14	Change Cell 1 flowrate to 1gpm. PLC programming crash. Lose PT data for day.
9/21/13 7:00	19.57	20.57	21.01	20.44	17.36	–	1.02	0.00	
9/22/13 7:00	19.63	20.60	20.90	20.40	17.36	–	0.99	0.53	
9/23/13 7:00	19.70	20.60	21.36	20.47	17.39	–	0.96	0.11	
9/24/13 7:00	19.76	20.60	21.54	20.60	17.39	18.43	1.00	0.00	
9/25/13 7:00	19.81	20.65	21.40	20.60	17.41	18.48	0.99	0.08	
9/26/13 7:00	19.76	20.59	21.32	20.50	17.42	18.48	0.96	0.00	
9/27/13 7:00	19.79	20.62	21.17	20.51	17.44	18.45	0.97	0.04	
9/28/13 7:00	19.92	20.84	21.35	20.75	17.45	18.49	1.01	1.71	
9/29/13 7:00	20.00	20.93	22.24	21.29	17.55	18.65	0.91	0.66	
9/30/13 7:00	20.07	20.97	22.52	21.50	17.62	18.75	0.94	0.73	
Average/Total	**19.69**	**20.68**	**21.21**	**20.69**	**17.36**	**18.24**	**1.31**	**6.17**	
10/1/13 7:00	20.11	20.89	22.60	21.56	17.68	18.73	1.02	0.31	
10/2/13 7:00	20.12	20.90	22.60	21.55	17.76	18.68	0.99	0.21	
10/3/13 7:00	20.08	20.87	22.59	21.62	17.80	18.66	0.97	0.03	
10/4/13 7:00	20.10	20.86	22.41	21.44	17.82	18.60	1.02	0.00	
10/5/13 7:00	20.17	20.97	22.31	21.43	17.83	18.66	1.02	0.00	
10/6/13 7:00	20.25	21.11	22.23	21.49	17.83	18.66	0.99	0.16	
10/7/13 7:00	20.25	21.16	22.29	21.50	17.86	18.66	1.00	0.02	
10/8/13 7:00	20.24	21.13	22.26	21.44	17.86	18.70	1.02	0.27	
10/9/13 7:00	20.17	21.05	22.27	21.42	17.87	18.67	1.02	0.00	
10/10/13 7:00	20.21	21.16	22.23	21.51	17.85	18.89	0.99	0.04	

Table A-1

Daily Transducer Data
BSB Shallow Aquifer Cleanup Action
Kent, Washington

Date	Average Groundwater Elevation (feet)						Average Groundwater Extraction Rate (gpm)	SeaTac Airport Precipitation (inches)	Comments
	Inside the SBCW		Outside the SBCW		Inside Reactor Vault				
	Shallow P-1	Intermediate P-2	Shallow P-3	Intermediate P-4	Cell 6 P-5	Cell 1 P-6			
10/11/13 7:00	20.22	21.13	22.18	21.40	17.88	18.98	0.96	0.36	
10/12/13 7:00	20.39	21.20	22.30	21.43	17.89	19.10	0.91	0.04	sys down (1hrs), low flow alarm.
10/13/13 7:00	20.37	21.15	22.13	21.30	17.92	19.08	0.96	0.00	
10/14/13 7:00	20.35	21.14	21.99	21.23	17.97	19.10	0.99	0.00	
10/15/13 7:00	20.41	21.18	21.88	21.22	18.01	19.08	0.93	0.00	sys down (1hrs), low flow alarm.
10/16/13 7:00	20.47	21.28	21.84	21.28	18.05	19.10	0.97	0.00	
10/17/13 7:00	20.44	21.22	21.65	21.10	18.08	19.09	1.06	0.00	
10/18/13 7:00	20.46	21.25	21.57	21.05	18.11	19.19	0.96	0.00	
10/19/13 7:00	20.52	21.27	21.47	21.01	18.14	19.30	0.76	0.00	sys down (5hrs), low flow alarm. Swap mag meter piping to fix.
10/20/13 7:00	20.53	21.32	21.43	20.99	18.20	19.33	0.96	0.00	
10/21/13 7:00	20.54	21.33	21.38	20.98	18.23	19.32	0.99	0.00	sys down (14:45), VFD fault
10/22/13 7:00	20.66	21.38	21.33	20.95	18.29	19.65	0.32	0.00	sys down (24 hrs)
10/23/13 7:00	20.78	21.47	21.30	20.95	18.41	19.76	0.27	0.00	sys restarted (6:30)
10/24/13 7:00	20.60	21.39	21.24	20.90	18.55	19.36	1.44	0.00	
10/25/13 7:00	20.44	21.27	21.11	20.78	18.60	19.31	1.00	0.00	
10/26/13 7:00	20.44	21.22	21.04	20.73	18.65	19.28	0.99	0.00	
10/27/13 7:00	20.56	21.37	21.18	20.91	18.67	19.33	0.99	0.07	
10/28/13 7:00	20.57	21.38	21.29	20.90	18.71	19.37	1.00	0.00	
10/29/13 7:00	–	–	–	–	–	–	0.98	0.00	Download error - lost piezometer data
10/30/13 7:00	–	–	–	–	–	–	0.98	0.02	Download error - lost piezometer data
10/31/13 7:00	20.50	21.23	21.02	20.71	18.75	19.35	0.98	0.01	
Average/Total	**20.38**	**21.18**	**21.83**	**21.20**	**18.11**	**19.07**	**0.95**	**1.54**	
11/1/13 7:00	20.43	21.18	21.01	20.66	18.77	19.34	0.98	0.05	
11/2/13 7:00	20.68	21.52	21.62	21.12	18.80	19.38	0.97	0.50	sys down (08:02), VFD fault
11/3/13 7:00	20.65	21.33	21.56	20.89	18.82	19.85	0.05	0.02	sys down (24 hrs)
11/4/13 7:00	20.81	21.36	21.50	20.82	18.86	20.18	0.00	0.00	sys restarted (12:50)
11/5/13 7:00	20.76	21.43	21.52	20.91	18.92	19.80	1.11	0.10	
11/6/13 7:00	20.62	21.29	21.50	20.79	18.98	19.66	0.99	0.15	
11/7/13 7:00	20.77	21.52	21.88	21.16	19.03	19.55	1.20	1.18	
11/8/13 7:00	20.65	21.38	22.07	21.22	19.08	19.60	1.00	0.00	
11/9/13 7:00	20.66	21.37	21.98	21.22	19.09	19.56	1.00	0.07	
11/10/13 7:00	20.67	21.39	22.02	21.24	19.11	19.55	1.00	0.00	

Table A-1

Daily Transducer Data
BSB Shallow Aquifer Cleanup Action
Kent, Washington

Date	Average Groundwater Elevation (feet)						Average Groundwater Extraction Rate (gpm)	SeaTac Airport Precipitation (inches)	Comments
	Inside the SBCW		Outside the SBCW		Inside Reactor Vault				
	Shallow P-1	Intermediate P-2	Shallow P-3	Intermediate P-4	Cell 6 P-5	Cell 1 P-6			
11/11/13 7:00	20.66	21.39	21.88	21.19	19.12	19.56	0.99	0.00	
11/12/13 7:00	20.64	21.39	21.76	21.15	19.14	19.52	0.99	0.16	
11/13/13 7:00	–	–	–	–	–	–	0.99	0.00	PLC programming crash, system remained running but lost piezometer data for part of 11/13
11/14/13 7:00	20.66	21.39	21.82	21.20	19.16	19.47	0.98	0.05	
11/15/13 7:00	20.77	21.50	21.78	21.26	19.17	19.50	1.00	0.12	
11/16/13 7:00	20.82	21.69	22.07	21.46	19.18	19.57	1.03	0.00	
11/17/13 7:00	20.75	21.51	21.86	21.23	19.18	19.61	1.00	0.21	
11/18/13 7:00	20.77	21.53	22.08	21.32	19.20	19.61	1.00	1.03	
11/19/13 7:00	20.81	21.64	22.34	21.56	19.24	19.71	1.08	0.04	
11/20/13 7:00	20.77	21.46	22.13	21.31	19.25	19.68	1.00	0.00	
11/21/13 7:00	20.74	21.36	21.92	21.15	19.27	19.65	1.00	0.00	
11/22/13 7:00	20.78	21.41	21.84	21.18	19.28	19.61	1.00	0.00	
11/23/13 7:00	20.87	21.56	21.82	21.28	19.28	19.60	1.00	0.00	
11/24/13 7:00	20.91	21.65	21.77	21.32	19.30	19.64	1.00	0.00	
11/25/13 7:00	20.88	21.59	21.62	21.21	19.30	19.64	0.99	0.00	
11/26/13 7:00	20.86	21.61	21.58	21.21	19.31	19.66	1.00	0.00	
11/27/13 7:00	20.95	21.70	21.60	21.29	19.32	19.72	1.00	0.00	
11/28/13 7:00	20.89	21.65	21.47	21.19	19.32	19.72	1.00	0.00	
11/29/13 7:00	20.86	21.57	21.38	21.10	19.34	19.72	1.00	0.02	
11/30/13 7:00	20.83	21.53	21.40	21.07	19.35	19.70	1.00	0.09	
Average/Total	**20.76**	**21.48**	**21.75**	**21.16**	**19.14**	**19.63**	**0.94**	**3.79**	
12/1/13 7:00	20.97	21.75	21.80	21.38	19.37	19.72	1.00	0.12	
12/2/13 7:00	20.95	21.75	21.89	21.37	19.39	19.79	1.00	0.18	
12/3/13 7:00	20.83	21.58	21.78	21.18	19.39	19.72	1.02	0.00	
12/4/13 7:00	20.81	21.53	21.69	21.13	19.39	19.65	1.11	0.00	
12/5/13 7:00	20.83	21.54	21.60	21.16	19.40	19.64	1.09	0.00	System down - air stripper fouling (7:51)
12/6/13 7:00	–	–	–	–	–	–	–	0.00	System restarted (8:51)
12/7/13 7:00	20.94	21.63	21.37	21.06	19.43	19.89	–	0.00	
12/8/13 7:00	20.83	21.50	21.29	20.97	19.45	19.73	1.16	0.00	
12/9/13 7:00	20.76	21.45	21.22	20.95	19.46	19.59	1.16	0.00	
12/10/13 7:00	20.75	21.45	21.22	21.01	19.47	19.58	1.07	0.00	System down - 2 hours maintenance
12/11/13 7:00	20.74	21.51	21.20	20.97	19.47	19.62	0.99	0.00	

Table A-1

Daily Transducer Data
BSB Shallow Aquifer Cleanup Action
Kent, Washington

Date	Average Groundwater Elevation (feet)						Average Groundwater Extraction Rate (gpm)	SeaTac Airport Precipitation (inches)	Comments
	Inside the SBCW		Outside the SBCW		Inside Reactor Vault				
	Shallow P-1	Intermediate P-2	Shallow P-3	Intermediate P-4	Cell 6 P-5	Cell 1 P-6			
12/12/13 7:00	20.78	21.59	21.21	21.03	19.48	19.64	1.02	0.27	
12/13/13 7:00	20.68	21.51	21.57	20.98	19.49	19.68	1.02	0.02	
12/14/13 7:00	20.70	21.47	21.56	20.98	19.50	19.64	1.02	0.00	
12/15/13 7:00	20.70	21.50	21.49	21.00	19.51	19.63	1.02	0.05	
12/16/13 7:00	20.67	21.45	21.41	20.93	19.51	19.62	1.02	0.01	
12/17/13 7:00	20.74	21.58	21.44	21.07	19.51	19.62	1.09	0.00	
12/18/13 7:00	20.81	21.61	21.38	20.87	19.52	19.67	1.01	0.05	
12/19/13 7:00	20.80	21.53	21.46	20.73	19.52	19.67	1.01	0.00	
12/20/13 7:00	20.91	21.65	21.52	20.90	19.53	19.71	1.01	0.22	
12/21/13 7:00	20.88	21.67	21.72	20.93	19.55	19.81	1.01	0.22	
12/22/13 7:00	20.93	21.66	21.94	21.00	19.55	19.84	1.00	0.42	
12/23/13 7:00	21.08	21.79	22.17	21.21	19.58	19.90	1.01	0.06	
12/24/13 7:00	21.06	21.71	21.99	20.99	19.58	19.93	1.10	0.00	
12/25/13 7:00	21.20	21.85	21.95	21.09	19.60	19.95	1.01	0.00	
12/26/13 7:00	21.25	21.94	21.86	21.12	19.60	20.00	1.00	0.00	
12/27/13 7:00	21.32	22.05	21.83	21.18	19.62	20.06	1.01	0.01	
12/28/13 7:00	21.20	21.89	21.62	20.95	19.62	20.07	1.01	0.00	
12/29/13 7:00	21.27	21.95	21.59	21.00	19.62	20.09	1.00	0.00	
12/30/13 7:00	21.33	22.04	21.59	21.07	19.64	20.11	1.00	0.01	
12/31/13 7:00	21.31	22.05	21.50	21.03	19.67	20.17	1.01	0.02	
Average/Total	**20.93**	**21.67**	**21.59**	**21.04**	**19.51**	**19.79**	**1.03**	**1.66**	
1/1/14 7:00	21.29	21.98	21.47	20.94	19.69	20.17	1.01	0.00	
1/2/14 7:00	21.38	22.08	21.53	21.05	19.70	20.18	1.01	0.16	
1/3/14 7:00	21.34	22.10	21.83	21.10	19.72	20.22	1.00	0.06	
1/4/14 7:00	21.31	21.99	21.78	21.00	19.74	20.21	1.01	0.00	
1/5/14 7:00	21.31	21.99	21.70	21.01	19.73	20.20	1.00	0.00	
1/6/14 7:00	21.42	22.14	21.69	21.13	19.76	20.22	1.01	0.01	
1/7/14 7:00	21.46	22.19	21.89	21.27	19.78	20.24	1.00	0.48	
1/8/14 7:00	21.52	22.26	22.25	21.50	19.80	20.33	1.00	0.38	
1/9/14 7:00	21.50	22.29	22.37	21.57	19.83	20.43	1.02	0.23	
1/10/14 7:00	21.57	22.34	22.40	21.56	19.87	20.47	1.01	0.17	
1/11/14 7:00	21.78	22.64	22.63	21.83	19.88	20.56	1.00	0.84	
1/12/14 7:00	21.75	22.48	22.57	21.61	19.93	20.66	1.00	0.06	

Table A-1

Daily Transducer Data
BSB Shallow Aquifer Cleanup Action
Kent, Washington

Date	Average Groundwater Elevation (feet)						Average Groundwater Extraction Rate (gpm)	SeaTac Airport Precipitation (inches)	Comments
	Inside the SBCW		Outside the SBCW		Inside Reactor Vault				
	Shallow P-1	Intermediate P-2	Shallow P-3	Intermediate P-4	Cell 6 P-5	Cell 1 P-6			
1/13/14 7:00	21.81	22.42	22.48	21.49	19.96	20.68	1.00	0.00	
1/14/14 7:00	21.80	22.41	22.24	21.35	20.00	20.64	1.01	0.00	
1/15/14 7:00	21.90	22.54	22.20	21.40	20.04	20.68	1.00	0.00	
1/16/14 7:00	21.90	22.60	22.07	21.36	20.08	20.71	1.01	0.00	
1/17/14 7:00	21.95	22.67	22.01	21.39	20.09	20.73	1.00	0.00	
1/18/14 7:00	21.95	22.68	21.89	21.33	20.13	20.76	1.00	0.00	
1/19/14 7:00	21.94	22.67	21.80	21.30	20.18	20.78	1.01	0.00	
1/20/14 7:00	21.85	22.59	21.66	21.17	20.20	20.77	1.01	0.00	
1/21/14 7:00	21.89	22.59	21.60	21.16	20.23	20.75	1.10	0.00	
1/22/14 7:00	21.91	22.54	21.55	21.08	20.28	20.78	1.01	0.02	Raise Cell 1 pumping rate to 1.5 gpm @ 16:48.
1/23/14 7:00	21.78	22.47	21.46	21.02	20.29	20.56	1.31	0.00	
1/24/14 7:00	21.69	22.45	21.45	21.04	20.30	20.36	1.51	0.00	
1/25/14 7:00	21.58	22.39	21.40	21.02	20.29	20.21	1.53	0.00	
1/26/14 7:00	21.52	22.37	21.39	21.06	20.29	20.10	1.51	0.00	
1/27/14 7:00	21.46	22.32	21.36	21.04	20.27	20.02	1.52	0.00	
1/28/14 7:00	21.36	22.22	21.31	20.97	20.26	19.92	1.55	0.35	
1/29/14 7:00	21.48	22.41	22.09	21.43	20.27	19.89	1.50	0.85	
1/30/14 7:00	21.38	22.35	22.48	21.60	20.26	19.93	1.50	0.00	
1/31/14 7:00	21.34	22.25	22.31	21.50	20.27	19.89	1.50	0.09	
Average/Total	**21.62**	**22.37**	**21.90**	**21.27**	**20.04**	**20.39**	**1.15**	**3.70**	
2/1/14 7:00	21.28	22.17	22.25	21.43	20.25	19.79	1.50	0.08	
2/2/14 7:00	21.33	22.23	22.18	21.49	20.23	19.75	1.50	0.00	
2/3/14 7:00	21.25	22.17	22.01	21.39	20.23	19.72	1.50	0.00	
2/4/14 7:00	21.20	22.11	21.84	21.28	20.22	19.68	1.49	0.00	Lost programming, pumping at 1 gpm for 2 hours.
2/5/14 7:00	21.13	22.05	21.71	21.17	20.20	19.65	1.50	0.00	
2/6/14 7:00	21.20	22.14	21.82	21.38	20.18	19.63	1.50	0.00	
2/7/14 7:00	21.18	22.19	21.72	21.35	20.16	19.64	1.41	0.00	Lost programming, pumping at 1 gpm for 4 hours.
2/8/14 7:00	21.05	22.09	21.52	21.20	20.16	19.61	1.49	0.20	
2/9/14 7:00	–	–	–	–	–	–	1.49	0.02	Datalogger down.
2/10/14 7:00	21.10	22.06	21.85	21.26	20.17	19.66	1.49	0.72	Lost programming, continued at 1.5 gpm.
2/11/14 7:00	21.15	22.09	22.25	21.47	20.17	19.68	1.47	0.67	
2/12/14 7:00	21.33	22.37	22.60	21.86	20.19	19.74	1.59	0.18	
2/13/14 7:00	21.39	22.32	22.60	21.78	20.20	19.78	1.50	0.07	

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BSB Shallow Aquifer Cleanup Action
Kent, Washington

Date	Average Groundwater Elevation (feet)						Average Groundwater Extraction Rate (gpm)	SeaTac Airport Precipitation (inches)	Comments
	Inside the SBCW		Outside the SBCW		Inside Reactor Vault				
	Shallow P-1	Intermediate P-2	Shallow P-3	Intermediate P-4	Cell 6 P-5	Cell 1 P-6			
2/14/14 7:00	21.58	22.55	22.79	22.00	20.19	19.85	1.49	0.37	
2/15/14 7:00	21.70	22.60	22.81	22.00	20.18	19.93	1.49	0.46	
2/16/14 7:00	21.70	22.63	22.85	21.99	20.23	20.07	1.50	1.04	
2/17/14 7:00	22.00	22.86	23.26	22.37	20.31	20.25	1.49	0.57	
2/18/14 7:00	22.18	22.95	23.29	22.41	20.33	20.39	1.51	0.60	
2/19/14 7:00	22.21	23.02	23.24	22.38	20.34	20.55	1.51	0.04	
2/20/14 7:00	22.32	23.09	23.21	22.38	20.33	20.60	1.53	0.12	Recalibrate PTs @ 9am
2/21/14 7:00	22.30	23.30	23.06	22.00	20.20	20.64	1.50	0.11	
2/22/14 7:00	22.41	23.40	23.11	22.06	20.20	20.66	1.59	0.10	
2/23/14 7:00	22.47	23.54	23.18	22.16	20.20	20.72	1.51	0.24	
2/24/14 7:00	22.47	23.56	23.19	22.13	20.22	20.79	1.50	0.51	
2/25/14 7:00	22.58	23.64	23.35	22.25	20.22	20.91	1.50	0.01	
2/26/14 7:00	22.75	23.81	23.30	22.31	20.23	20.98	1.50	0.00	
2/27/14 7:00	22.80	23.94	23.22	22.34	20.20	21.10	1.50	0.00	
2/28/14 7:00	22.79	23.88	23.01	22.20	20.22	21.10	1.50	0.00	
Average/Total	**21.81**	**22.77**	**22.64**	**21.85**	**20.22**	**20.18**	**1.50**	**6.11**	
3/1/14 7:00	22.72	23.87	22.87	22.12	20.24	21.15	1.51	0.02	
3/2/14 7:00	22.69	23.79	22.75	22.00	20.27	21.11	1.51	0.75	Power outage, system down @ 22:30
3/3/14 7:00	22.88	23.87	23.30	22.28	20.30	21.51	0.96	0.42	Restarted 11:00
3/4/14 7:00	22.96	23.91	23.33	22.28	20.37	21.51	1.27	0.65	
3/5/14 7:00	23.23	24.23	23.80	22.74	20.51	21.56	1.48	1.84	
3/6/14 7:00	23.32	24.39	23.87	22.89	20.60	21.66	1.50	0.12	
3/7/14 7:00	23.17	24.11	23.45	22.45	20.70	21.65	1.50	0.00	
3/8/14 7:00	23.36	24.05	23.50	22.57	20.90	21.64	1.48	1.27	
3/9/14 7:00	23.42	24.17	23.83	22.83	20.98	21.77	1.51	0.17	
3/10/14 7:00	23.50	24.25	23.84	22.82	21.07	21.88	1.51	0.74	
3/11/14 7:00	23.48	24.10	23.66	22.60	21.13	21.92	1.51	0.00	
3/12/14 7:00	23.67	24.29	23.64	22.69	21.20	21.93	1.51	0.00	
3/13/14 7:00	23.68	24.41	23.53	22.69	21.26	21.97	1.51	0.02	
3/14/14 7:00	23.73	24.50	23.59	22.73	21.31	22.03	1.51	0.27	
3/15/14 7:00	23.61	24.33	23.44	22.49	21.36	21.99	1.51	0.32	
3/16/14 7:00	23.67	24.43	23.60	22.60	21.42	22.05	1.51	1.09	
3/17/14 7:00	23.88	24.62	23.94	22.93	21.50	22.31	1.53	0.01	

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Daily Transducer Data
BSB Shallow Aquifer Cleanup Action
Kent, Washington

Date	Average Groundwater Elevation (feet)						Average Groundwater Extraction Rate (gpm)	SeaTac Airport Precipitation (inches)	Comments
	Inside the SBCW		Outside the SBCW		Inside Reactor Vault				
	Shallow P-1	Intermediate P-2	Shallow P-3	Intermediate P-4	Cell 6 P-5	Cell 1 P-6			
3/18/14 7:00	23.96	24.59	23.76	22.79	21.52	22.37	1.60	0.00	
3/19/14 7:00	24.08	24.75	23.68	22.84	21.58	22.45	1.52	0.02	
3/20/14 7:00	23.91	24.61	23.42	22.57	21.63	22.42	1.51	0.00	
3/21/14 7:00	23.90	24.58	23.29	22.49	21.66	22.38	1.50	0.00	
3/22/14 7:00	23.84	24.56	23.15	22.41	21.69	22.33	1.52	0.00	
3/23/14 7:00	23.77	24.54	23.05	22.36	21.73	22.31	1.50	0.00	
3/24/14 7:00	23.80	24.55	23.04	22.39	21.75	22.25	1.50	0.00	
3/25/14 7:00	23.84	24.70	23.09	22.54	21.78	22.26	1.63	0.16	
3/26/14 7:00	23.85	24.71	23.27	22.56	21.81	22.32	1.51	0.14	
3/27/14 7:00	23.77	24.63	23.21	22.45	21.84	22.31	1.52	0.01	
3/28/14 7:00	23.72	24.53	23.21	22.38	21.86	22.28	1.51	0.87	
3/29/14 7:00	23.80	24.61	23.44	22.55	21.87	22.28	1.52	0.55	
3/30/14 7:00	23.87	24.62	23.52	22.58	21.92	22.33	1.51	0.00	
3/31/14 7:00	23.99	24.69	23.45	22.58	21.93	22.34	1.51	0.00	
Average/Total	**23.58**	**24.39**	**23.44**	**22.55**	**21.28**	**22.01**	**1.49**	**9.44**	
4/1/14 7:00	23.98	24.76	23.31	22.54	21.93	22.40	1.51	0.00	
4/2/14 7:00	23.89	24.65	23.12	22.36	21.95	22.40	1.55	0.00	
4/3/14 7:00	23.88	24.64	23.01	22.28	21.98	22.38	1.52	0.10	
4/4/14 7:00	23.86	24.64	23.07	22.31	21.99	22.38	1.52	0.00	
4/5/14 7:00	23.83	24.59	22.95	22.25	22.01	22.34	1.64	0.18	
4/6/14 7:00	23.72	24.47	22.95	22.15	22.02	22.29	1.51	0.00	
4/7/14 7:00	23.72	24.43	22.90	22.14	22.03	22.24	1.51	0.00	
4/8/14 7:00	23.71	24.46	22.80	22.11	22.02	22.19	1.52	0.18	
4/9/14 7:00	23.65	24.42	22.90	22.07	22.03	22.18	1.51	0.00	
4/10/14 7:00	23.64	24.40	22.81	22.04	22.03	22.14	1.53	0.00	
4/11/14 7:00	23.66	24.42	22.72	22.04	22.04	22.12	1.53	0.00	
4/12/14 7:00	23.58	24.44	22.64	22.03	22.04	22.13	1.52	0.00	
4/13/14 7:00	23.47	24.32	22.46	21.88	22.05	22.10	1.52	0.00	
4/14/14 7:00	23.54	24.36	22.49	21.95	22.06	22.06	1.51	0.00	
4/15/14 7:00	23.43	24.28	22.38	21.87	22.06	22.02	1.49	0.02	
4/16/14 7:00	23.42	24.29	22.46	21.92	22.05	22.01	1.52	0.43	
4/17/14 7:00	23.54	24.40	23.14	22.26	22.09	22.04	1.49	0.73	

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Kent, Washington

Date	Average Groundwater Elevation (feet)						Average Groundwater Extraction Rate (gpm)	SeaTac Airport Precipitation (inches)	Comments
	Inside the SBCW		Outside the SBCW		Inside Reactor Vault				
	Shallow P-1	Intermediate P-2	Shallow P-3	Intermediate P-4	Cell 6 P-5	Cell 1 P-6			
4/18/14 7:00	23.53	24.37	23.29	22.31	22.12	22.08	1.51	0.00	system down 8:30, low blower flow, moisture in sensors - let dry over weekend
4/19/14 7:00	24.09	24.64	23.28	22.43	22.11	22.90	0.00	0.54	
4/20/14 7:00	24.25	24.64	23.31	22.31	22.15	23.50	0.00	0.00	
4/21/14 7:00	24.67	24.94	23.36	22.47	22.28	23.76	0.00	0.20	Restart @ 8:30
4/22/14 7:00	24.46	25.03	23.50	22.54	22.49	23.16	1.55	0.56	
4/23/14 7:00	24.39	25.00	23.59	22.62	22.58	22.91	1.53	0.35	
4/24/14 7:00	24.49	25.17	23.74	22.75	22.64	22.93	1.53	0.49	
4/25/14 7:00	24.43	25.07	23.58	22.61	22.68	22.90	1.52	0.00	
4/26/14 7:00	24.41	25.09	23.43	22.57	22.70	22.88	1.55	0.13	
4/27/14 7:00	24.41	25.12	23.41	22.55	22.73	22.89	1.53	0.27	
4/28/14 7:00	24.19	24.85	23.26	22.31	22.75	22.80	1.51	0.00	
4/29/14 7:00	24.10	24.76	23.10	22.20	22.75	22.71	1.52	0.00	
4/30/14 7:00	24.15	24.82	23.04	22.24	22.75	22.65	1.51	0.00	
Average/Total	**23.94**	**24.65**	**23.07**	**22.27**	**22.24**	**22.52**	**1.37**	**4.18**	
5/1/14 7:00	24.23	24.94	23.00	22.32	22.74	22.65	1.52	0.00	
5/2/14 7:00	24.15	24.93	22.87	22.22	22.75	22.68	1.52	0.00	
5/3/14 7:00	24.19	24.95	22.86	22.24	22.74	22.67	1.53	1.31	
5/4/14 7:00	24.24	25.03	23.33	22.45	22.75	22.73	1.52	0.63	
5/5/14 7:00	24.15	24.92	23.61	22.57	22.78	22.75	1.52	0.20	
5/6/14 7:00	24.23	24.92	23.56	22.56	22.77	22.73	1.51	0.00	
5/7/14 7:00	24.22	24.93	23.34	22.46	22.78	22.71	1.52	0.00	
5/8/14 7:00	24.31	25.05	23.26	22.49	22.79	22.73	1.52	0.54	
5/9/14 7:00	24.27	25.03	23.45	22.56	22.80	22.78	1.51	0.08	
5/10/14 7:00	24.19	24.91	23.40	22.46	22.82	22.75	1.51	0.02	
5/11/14 7:00	24.11	24.81	23.21	22.31	22.80	22.70	1.52	0.00	
5/12/14 7:00	24.10	24.81	23.05	22.26	22.81	22.64	1.52	0.00	
5/13/14 7:00	24.07	24.81	22.89	22.19	22.80	22.60	1.52	0.00	
5/14/14 7:00	24.05	24.81	22.77	22.15	22.80	22.58	1.51	0.00	
5/15/14 7:00	24.12	24.92	22.75	22.23	22.79	22.58	1.52	0.00	
5/16/14 7:00	24.05	24.85	22.63	22.00	22.80	22.61	1.52	0.00	
5/17/14 7:00	24.01	24.82	22.57	21.98	22.79	22.58	1.52	0.00	
5/18/14 7:00	24.06	24.86	22.53	22.01	22.80	22.57	1.51	0.00	

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BSB Shallow Aquifer Cleanup Action
Kent, Washington

Date	Average Groundwater Elevation (feet)						Average Groundwater Extraction Rate (gpm)	SeaTac Airport Precipitation (inches)	Comments
	Inside the SBCW		Outside the SBCW		Inside Reactor Vault				
	Shallow P-1	Intermediate P-2	Shallow P-3	Intermediate P-4	Cell 6 P-5	Cell 1 P-6			
5/19/14 7:00	23.93	24.73	22.38	21.87	22.80	22.54	1.52	0.00	
5/20/14 7:00	23.80	24.59	22.25	21.75	22.79	22.46	1.52	0.00	
5/21/14 7:00	23.69	24.50	22.17	21.68	22.79	22.37	1.51	0.00	
5/22/14 7:00	23.64	24.45	22.14	21.71	22.80	22.20	1.78	0.00	
5/23/14 7:00	23.61	24.45	22.13	21.72	22.78	22.20	1.53	0.15	
5/24/14 7:00	23.46	24.29	22.38	21.64	22.79	22.12	1.53	0.00	
5/25/14 7:00	23.47	24.28	22.29	21.68	22.78	22.07	1.53	0.22	
5/26/14 7:00	23.39	24.26	22.62	21.79	22.79	22.04	1.51	0.00	
5/27/14 7:00	23.34	24.14	22.54	21.77	22.78	21.96	1.52	0.00	
5/28/14 7:00	23.29	24.13	22.40	21.77	22.79	21.90	1.50	0.00	
5/29/14 7:00	23.17	24.03	22.27	21.77	22.78	21.85	1.52	0.00	
5/30/14 7:00	23.20	24.02	22.20	21.66	22.78	21.80	1.51	0.00	
5/31/14 7:00	23.09	24.00	22.07	21.59	22.76	21.74	1.52	0.00	
Average/Total	**23.87**	**24.65**	**22.74**	**22.06**	**22.78**	**22.43**	**1.53**	**3.15**	
6/1/14 7:00	23.04	23.93	21.98	21.52	22.76	21.70	1.52	0.00	
6/2/14 7:00	23.03	23.95	21.96	21.56	22.75	21.64	1.52	0.00	
6/3/14 7:00	22.95	23.89	21.92	21.50	22.74	21.62	1.51	0.00	
6/4/14 7:00	22.87	23.76	21.83	21.39	22.74	21.58	1.52	0.00	
6/5/14 7:00	22.81	23.70	21.76	21.36	22.72	21.50	1.52	0.00	
6/6/14 7:00	22.86	23.70	21.75	21.37	22.72	21.48	1.52	0.00	
6/7/14 7:00	22.76	23.64	21.70	21.32	22.70	21.43	1.52	0.00	
6/8/14 7:00	22.73	23.58	21.64	21.27	22.69	21.37	1.52	0.00	
6/9/14 7:00	22.71	23.58	21.65	21.30	22.66	21.34	1.52	0.00	
6/10/14 7:00	22.70	23.56	21.61	21.30	22.65	21.30	1.52	0.00	Started VTS operation, Raised Cell 1 pumping rate: 2.5 gpm @ 9:40
6/11/14 7:00	22.49	23.47	21.61	21.30	22.61	20.83	2.31	0.00	
6/12/14 7:00	22.33	23.44	21.66	21.41	22.53	20.51	2.51	0.07	
6/13/14 7:00	22.11	23.29	21.97	21.43	22.42	20.29	2.51	0.25	
6/14/14 7:00	21.95	23.07	22.13	21.43	22.28	20.07	2.51	0.00	
6/15/14 7:00	21.91	23.07	22.06	21.54	22.14	19.95	2.52	0.02	
6/16/14 7:00	21.77	22.99	22.04	21.52	21.99	19.83	2.52	0.14	
6/17/14 7:00	21.59	22.81	22.15	21.44	21.85	19.71	2.52	0.05	
6/18/14 7:00	21.50	22.72	22.12	21.45	21.70	19.54	2.52	0.00	

Table A-1

Daily Transducer Data
BSB Shallow Aquifer Cleanup Action
Kent, Washington

Date	Average Groundwater Elevation (feet)						Average Groundwater Extraction Rate (gpm)	SeaTac Airport Precipitation (inches)	Comments
	Inside the SBCW		Outside the SBCW		Inside Reactor Vault				
	Shallow P-1	Intermediate P-2	Shallow P-3	Intermediate P-4	Cell 6 P-5	Cell 1 P-6			
6/19/14 7:00	21.41	22.68	21.97	21.39	21.56	19.45	2.52	0.03	
6/20/14 7:00	21.25	22.56	21.81	21.22	21.42	19.34	2.51	0.01	
6/21/14 7:00	21.19	22.46	21.66	21.15	21.29	19.21	2.53	0.00	
6/22/14 7:00	21.10	22.43	21.58	21.11	21.16	19.13	2.51	0.00	
6/23/14 7:00	21.01	22.38	21.54	21.11	21.03	19.02	2.51	0.00	
6/24/14 7:00	20.93	22.27	21.45	21.02	20.91	18.92	2.52	0.00	
6/25/14 7:00	20.86	22.25	21.43	21.05	20.81	18.83	2.52	0.00	
6/26/14 7:00	20.79	22.25	21.41	21.08	20.69	18.75	2.52	0.00	
6/27/14 7:00	20.74	22.18	21.48	21.08	20.59	18.64	2.52	0.07	
6/28/14 7:00	20.60	22.01	21.39	20.94	20.48	18.55	2.52	0.09	
6/29/14 7:00	20.49	21.89	21.59	20.93	20.39	18.46	2.52	0.00	
6/30/14 7:00	20.41	21.77	21.42	20.92	20.29	18.34	2.53	0.00	
Average/Total	**21.83**	**22.98**	**21.74**	**21.28**	**21.84**	**20.08**	**2.18**	**0.73**	
7/1/14 7:00	20.40	21.86	21.46	21.09	20.19	18.28	2.51	0.00	
7/2/14 7:00	20.30	21.80	21.35	20.99	20.06	18.21	2.52	0.00	
7/3/14 7:00	20.21	21.65	21.22	20.86	19.97	18.12	2.52	0.00	Lowered Cell 1 pumping rate to 2 gpm @ 16:40
7/4/14 7:00	20.19	21.65	21.14	20.89	19.89	18.20	2.18	0.00	
7/5/14 7:00	20.16	21.60	21.05	20.81	19.81	18.27	2.02	0.00	
7/6/14 7:00	20.19	21.60	21.02	20.80	19.80	18.34	2.02	0.00	
7/7/14 7:00	20.17	21.60	21.03	20.81	19.76	18.34	2.01	0.00	
7/8/14 7:00	20.17	21.59	21.00	20.83	19.74	18.33	2.02	0.00	
7/9/14 7:00	20.14	21.59	20.99	20.82	19.71	18.32	2.02	0.00	
7/10/14 7:00	20.14	21.57	20.96	20.80	19.66	18.31	2.02	0.00	
7/11/14 7:00	20.10	21.54	20.93	20.78	19.62	18.26	2.01	0.00	
7/12/14 7:00	20.05	21.47	20.87	20.72	19.61	18.21	2.02	0.00	
7/13/14 7:00	20.03	21.43	20.85	20.69	19.57	18.18	2.03	0.00	
7/14/14 7:00	19.99	21.39	20.82	20.67	19.54	18.16	2.02	0.00	
7/15/14 7:00	19.93	21.34	20.77	20.65	19.49	18.08	2.03	0.00	
7/16/14 7:00	19.93	21.37	20.80	20.70	19.47	18.08	2.02	0.00	
7/17/14 7:00	19.91	21.33	20.75	20.66	19.44	18.05	2.02	0.00	
7/18/14 7:00	19.86	21.25	20.71	20.59	19.39	17.99	2.02	0.00	
7/19/14 7:00	19.84	21.26	20.73	20.63	19.40	17.98	2.02	0.00	
7/20/14 7:00	19.79	21.24	20.74	20.64	19.33	17.93	2.02	0.00	

Table A-1

Daily Transducer Data
BSB Shallow Aquifer Cleanup Action
Kent, Washington

Date	Average Groundwater Elevation (feet)						Average Groundwater Extraction Rate (gpm)	SeaTac Airport Precipitation (inches)	Comments
	Inside the SBCW		Outside the SBCW		Inside Reactor Vault				
	Shallow P-1	Intermediate P-2	Shallow P-3	Intermediate P-4	Cell 6 P-5	Cell 1 P-6			
7/21/14 7:00	19.71	21.15	20.65	20.57	19.32	17.86	2.02	0.00	Lowered Cell 1 pumping rate to 1.75 gpm @ 8:40
7/22/14 7:00	19.79	21.17	20.66	20.57	19.30	18.00	1.75	0.01	
7/23/14 7:00	19.82	21.18	20.95	20.61	19.28	18.03	1.74	0.76	
7/24/14 7:00	19.84	21.17	21.91	20.96	19.30	18.12	1.75	0.00	
7/25/14 7:00	19.87	21.13	21.67	20.93	19.29	18.12	1.77	0.00	
7/26/14 7:00	19.86	21.15	21.46	20.91	19.29	18.12	1.73	0.00	
7/27/14 7:00	19.80	21.10	21.25	20.80	19.25	18.07	1.73	0.00	
7/28/14 7:00	19.85	21.14	21.19	20.83	19.26	18.10	1.73	0.00	
7/29/14 7:00	19.81	21.12	21.10	20.78	19.26	18.09	1.76	0.00	
7/30/14 7:00	19.77	21.09	21.00	20.72	19.23	18.09	1.75	0.00	
7/31/14 7:00	19.77	21.06	20.93	20.69	19.18	18.03	1.74	0.00	
Average/Total	**19.98**	**21.37**	**21.03**	**20.77**	**19.53**	**18.14**	**1.98**	**0.77**	
8/1/14 7:00	19.72	21.05	20.88	20.68	19.17	17.99	1.75	0.00	
8/2/14 7:00	19.75	21.09	20.89	20.73	19.19	18.01	1.75	0.02	
8/3/14 7:00	19.72	21.02	20.81	20.64	19.16	18.00	1.74	0.00	
8/4/14 7:00	19.69	21.04	20.79	20.66	19.14	17.98	1.75	0.00	
8/5/14 7:00	19.64	20.95	20.69	20.55	19.11	17.94	1.76	0.00	
8/6/14 7:00	19.64	20.93	20.68	20.55	19.13	17.94	1.74	0.00	
8/7/14 7:00	19.61	20.92	20.65	20.55	19.10	17.92	1.74	0.00	
8/8/14 7:00	19.57	20.88	20.59	20.51	19.07	17.88	1.74	0.00	
8/9/14 7:00	19.57	20.84	20.56	20.48	19.05	17.84	1.76	0.00	
8/10/14 7:00	19.53	20.83	20.54	20.48	19.03	17.80	1.78	0.00	
8/11/14 7:00	19.60	20.91	20.63	20.60	19.04	17.83	1.75	0.02	
8/12/14 7:00	19.58	20.93	20.63	20.61	19.04	17.85	1.75	0.50	
8/13/14 7:00	19.58	20.92	21.78	20.93	19.06	17.86	1.75	0.85	Lowered Cell 1 pumping rate to 1.60 gpm @ 1422
8/14/14 7:00	19.59	20.87	21.86	21.13	19.05	17.94	1.60	0.00	
8/15/14 7:00	19.56	20.83	21.56	20.99	19.00	17.90	1.60	0.04	
8/16/14 7:00	19.53	20.80	21.33	20.82	18.98	17.93	1.59	0.00	
8/17/14 7:00	19.54	20.78	21.15	20.74	18.97	17.89	1.61	0.00	
8/18/14 7:00	19.57	20.84	21.09	20.76	18.98	17.93	1.63	0.00	
8/19/14 7:00	19.59	20.88	21.03	20.76	18.95	17.90	1.61	0.00	
8/20/14 7:00	19.54	20.79	20.88	20.63	18.94	17.89	1.59	0.00	
8/21/14 7:00	19.54	20.74	20.81	20.56	18.93	17.86	1.60	0.00	

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Daily Transducer Data
BSB Shallow Aquifer Cleanup Action
Kent, Washington

Date	Average Groundwater Elevation (feet)						Average Groundwater Extraction Rate (gpm)	SeaTac Airport Precipitation (inches)	Comments
	Inside the SBCW		Outside the SBCW		Inside Reactor Vault				
	Shallow P-1	Intermediate P-2	Shallow P-3	Intermediate P-4	Cell 6 P-5	Cell 1 P-6			
8/22/14 7:00	19.50	20.71	20.73	20.49	18.92	17.83	1.59	0.00	
8/23/14 7:00	19.47	20.66	20.63	20.42	18.91	17.82	1.60	0.00	
8/24/14 7:00	19.50	20.73	20.65	20.48	18.91	17.80	1.60	0.00	
8/25/14 7:00	19.47	20.68	20.56	20.41	18.90	17.78	1.61	0.00	Lowered Cell 1 pumping rate to 1.5 gpm @ 9:45
8/26/14 7:00	19.44	20.65	20.52	20.36	18.88	17.83	1.48	0.00	
8/27/14 7:00	19.47	20.69	20.53	20.38	18.91	17.88	1.49	0.00	
8/28/14 7:00	19.45	20.62	20.44	20.30	18.88	17.85	1.50	0.00	
8/29/14 7:00	19.47	20.66	20.45	20.35	18.87	17.84	1.50	0.00	
8/30/14 7:00	19.48	20.67	20.45	20.36	18.86	17.85	1.50	0.33	
8/31/14 7:00	19.45	20.62	21.39	20.49	18.87	17.88	1.51	0.05	
Average/Total	**19.56**	**20.82**	**20.84**	**20.59**	**19.00**	**17.89**	**1.64**	**1.81**	
9/1/14 7:00	19.43	20.58	21.32	20.54	18.87	17.86	1.51	0.00	
9/2/14 7:00	19.47	20.64	21.12	20.58	18.86	17.86	1.49	0.12	
9/3/14 7:00	19.43	20.61	21.54	20.63	18.86	17.87	1.50	0.00	
9/4/14 7:00	19.41	20.54	21.34	20.60	18.85	17.84	1.51	0.00	
9/5/14 7:00	19.42	20.54	21.13	20.60	18.84	17.82	1.52	0.00	
9/6/14 7:00	19.43	20.58	21.00	20.62	18.83	17.77	1.49	0.00	
9/7/14 7:00	19.42	20.62	20.96	20.64	18.82	17.82	1.49	0.00	
9/8/14 7:00	19.41	20.58	20.84	20.59	18.82	17.80	1.50	0.00	
9/9/14 7:00	19.38	20.49	20.70	20.46	18.81	17.79	1.50	0.00	Lowered Cell 1 pumping rate to 1.4 gpm @ 8:15 Adjusted PTs per field DTWs
9/10/14 7:00	19.32	20.34	20.54	20.14	18.81	17.67	1.49	0.00	
9/11/14 7:00	19.31	20.32	20.45	20.11	18.79	17.65	1.40	0.00	
9/12/14 7:00	19.36	20.40	20.48	20.20	18.78	17.65	1.40	0.00	
9/13/14 7:00	19.35	20.42	20.47	20.21	18.75	17.69	1.40	0.00	Lowered Cell 1 pumping rate to 1.25 gpm @ 8:30
9/14/14 7:00	19.38	20.44	20.45	20.19	18.75	17.80	1.25	0.00	
9/15/14 7:00	19.41	20.43	20.42	20.17	18.74	17.87	1.25	0.00	
9/16/14 7:00	19.42	20.44	20.39	20.15	18.75	17.89	1.24	0.00	
9/17/14 7:00	19.46	20.47	20.39	20.18	18.72	17.91	1.23	0.02	
9/18/14 7:00	19.49	20.48	20.35	20.17	18.74	17.95	1.25	0.01	
9/19/14 7:00	19.41	20.36	20.27	20.03	18.75	17.95	1.25	0.00	
9/20/14 7:00	19.39	20.32	20.22	20.01	18.74	17.93	1.25	0.00	
9/21/14 7:00	19.46	20.43	20.28	20.12	18.73	17.94	1.25	0.00	

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Daily Transducer Data
BSB Shallow Aquifer Cleanup Action
Kent, Washington

Date	Average Groundwater Elevation (feet)						Average Groundwater Extraction Rate (gpm)	SeaTac Airport Precipitation (inches)	Comments
	Inside the SBCW		Outside the SBCW		Inside Reactor Vault				
	Shallow P-1	Intermediate P-2	Shallow P-3	Intermediate P-4	Cell 6 P-5	Cell 1 P-6			
9/22/14 7:00	19.39	20.35	20.23	20.03	18.73	17.93	1.23	0.01	
9/23/14 7:00	19.44	20.42	20.42	20.13	18.72	17.93	1.24	0.72	
9/24/14 7:00	19.47	20.49	21.32	20.36	18.73	17.98	1.24	0.80	Raised Cell 1 pumping rate to 1.35 @ 9:55
9/25/14 7:00	19.45	20.43	21.62	20.57	18.75	17.94	1.34	0.17	
9/26/14 7:00	19.42	20.38	21.63	20.60	18.76	17.91	1.35	0.35	
9/27/14 7:00	19.40	20.33	21.71	20.65	18.75	17.86	1.35	0.00	
9/28/14 7:00	19.42	20.37	21.50	20.65	18.75	17.82	1.34	0.00	
9/29/14 7:00	19.42	20.40	21.32	20.63	18.76	17.78	1.34	0.03	
9/30/14 7:00	19.35	20.33	21.17	20.53	18.75	17.77	1.35	0.00	
Average/Total	**19.41**	**20.45**	**20.85**	**20.37**	**18.78**	**17.84**	**1.37**	**2.23**	
10/1/14 7:00	19.31	20.24	21.00	20.42	18.74	17.72	1.35	0.00	Lowered Cell 1 pumping rate to 1.25 @ 9:15
10/2/14 7:00	19.30	20.24	20.79	20.37	18.73	17.73	1.25	0.00	
10/3/14 7:00	19.33	20.26	20.76	20.35	18.72	17.78	1.24	0.00	Lowered Cell 1 pumping rate to 1.15 @ 12:15
10/4/14 7:00	19.35	20.30	20.70	20.34	18.72	17.88	1.14	0.00	
10/5/14 7:00	19.38	20.31	20.63	20.32	18.72	17.92	1.15	0.00	
10/6/14 7:00	19.42	20.36	20.62	20.35	18.72	17.98	1.13	0.00	
10/7/14 7:00	19.48	20.41	20.62	20.38	18.72	18.03	1.17	0.00	
10/8/14 7:00	19.42	20.37	20.54	20.31	18.71	18.02	1.15	0.00	
10/9/14 7:00	19.45	20.36	20.51	20.26	18.74	18.05	1.14	0.00	
10/10/14 7:00	19.44	20.34	20.42	20.21	18.72	18.04	1.14	0.01	
10/11/14 7:00	19.44	20.35	20.48	20.21	18.71	18.06	1.15	0.29	
10/12/14 7:00	19.41	20.28	21.06	20.25	18.72	18.08	1.15	0.00	
10/13/14 7:00	19.54	20.47	21.07	20.51	18.72	18.11	1.14	0.30	Raised Cell 1 pumping rate to 1.25 @ 9:15
10/14/14 7:00	19.48	20.46	21.35	20.55	18.72	18.11	1.23	0.28	
10/15/14 7:00	19.58	20.57	21.58	20.78	18.74	18.12	1.24	0.34	Raised Cell 1 pumping rate to 1.35 @ 8:15
10/16/14 7:00	19.42	20.34	21.61	20.65	18.73	18.02	1.35	0.00	
10/17/14 7:00	19.48	20.43	21.50	20.76	18.73	17.95	1.34	0.13	
10/18/14 7:00	19.43	20.38	21.69	20.74	18.74	17.94	1.35	0.59	
10/19/14 7:00	19.50	20.46	21.83	20.94	18.74	17.89	1.35	0.00	
10/20/14 7:00	19.50	20.47	21.78	20.92	18.74	17.89	1.35	0.46	Lowered Cell 1 pumping rate to 1.25 @ 9:15
10/21/14 7:00	19.52	20.44	22.03	21.03	18.76	17.97	1.23	0.04	
10/22/14 7:00	19.60	20.54	22.07	21.13	18.76	17.99	1.24	1.26	
10/23/14 7:00	19.63	20.56	22.38	21.33	18.78	18.09	1.25	0.37	Raised Cell 1 pumping rate to 1.35 @ 8:15

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BSB Shallow Aquifer Cleanup Action
Kent, Washington

Date	Average Groundwater Elevation (feet)						Average Groundwater Extraction Rate (gpm)	SeaTac Airport Precipitation (inches)	Comments
	Inside the SBCW		Outside the SBCW		Inside Reactor Vault				
	Shallow P-1	Intermediate P-2	Shallow P-3	Intermediate P-4	Cell 6 P-5	Cell 1 P-6			
10/24/14 7:00	19.64	20.49	22.42	21.31	18.79	18.05	1.36	0.16	
10/25/14 7:00	19.86	20.81	22.60	21.64	18.80	18.03	1.35	0.24	System down @ 12:10 - low chemical feed
10/26/14 7:00	19.89	20.68	22.34	21.31	18.80	18.60	0.00	0.06	
10/27/14 7:00	20.14	20.73	22.27	21.23	18.81	19.09	0.00	0.03	Restart system at 8:45. Raised Cell 1 pumping rate to 2.0 gpm at 15:45.
10/28/14 7:00	20.20	20.95	22.40	21.47	18.80	18.69	2.00	0.50	
10/29/14 7:00	20.00	20.85	22.47	21.48	18.82	18.32	1.99	0.02	
10/30/14 7:00	20.03	20.93	22.54	21.64	18.82	18.05	2.00	1.00	Lowered Cell 1 pumping rate to 1.75 gpm @ 13:20
10/31/14 7:00	20.02	21.00	22.82	21.78	18.84	18.01	1.74	0.67	
Average/Total	**19.59**	**20.50**	**21.51**	**20.81**	**18.75**	**18.07**	**1.25**	**6.75**	
11/1/14 7:00	20.09	20.96	22.77	21.77	18.86	18.01	1.75	0.00	
11/2/14 7:00	19.96	20.85	22.46	21.53	18.84	17.96	1.75	0.07	
11/3/14 7:00	19.99	20.89	22.53	21.58	18.85	17.91	1.75	0.43	Lowered Cell 1 pumping rate to 1.6 gpm @ 7:20
11/4/14 7:00	20.02	21.00	22.75	21.74	18.86	18.00	1.59	0.16	
11/5/14 7:00	20.15	20.96	22.63	21.65	18.86	18.02	1.59	0.19	
11/6/14 7:00	20.32	21.25	22.94	21.93	18.88	18.15	1.60	0.16	Raised Cell 1 pumping rate to 1.7 gpm @ 7:30
11/7/14 7:00	20.18	21.00	22.68	21.58	18.88	18.17	1.69	0.00	
11/8/14 7:00	20.28	21.11	22.60	21.65	18.87	18.17	1.71	0.00	
11/9/14 7:00	20.40	21.34	22.62	21.84	18.88	18.24	1.69	0.20	
11/10/14 7:00	20.25	21.19	22.59	21.63	18.88	18.27	1.69	0.00	Raised Cell 1 pumping rate to 1.8 gpm @ 9:10
11/11/14 7:00	20.28	21.20	22.47	21.59	18.88	18.19	1.80	0.00	
11/12/14 7:00	20.24	21.15	22.28	21.49	18.88	18.12	1.80	0.00	
11/13/14 7:00	20.30	21.28	22.26	21.63	18.88	18.09	1.80	0.00	
11/14/14 7:00	20.23	21.21	22.05	21.46	18.87	18.08	1.80	0.00	
11/15/14 7:00	20.07	21.01	21.80	21.22	18.88	18.02	1.80	0.00	System down at 8:10 - moisture high in vapor stack
11/16/14 7:00	20.30	21.08	21.74	21.21	18.87	18.77	0.00	0.00	
11/17/14 7:00	20.61	21.27	21.69	21.24	18.89	19.35	0.00	0.00	Restarted at 8:15 Raised Cell 1 pumping rate to 4 gpm @ 10am
11/18/14 7:00	20.25	21.24	21.69	21.32	18.88	17.99	3.96	0.00	Lowered Cell 1 pumping rate to 1.8 gpm @ 8am
11/19/14 7:00	20.14	21.15	21.69	21.35	18.87	18.00	1.83	0.00	
11/20/14 7:00	20.02	21.09	21.87	21.47	18.88	18.00	1.78	0.14	
11/21/14 7:00	20.07	21.13	22.13	21.66	18.87	17.99	1.78	0.60	

Table A-1

Daily Transducer Data
BSB Shallow Aquifer Cleanup Action
Kent, Washington

	Average Groundwater Elevation (feet)						Average Groundwater Extraction Rate (gpm)	SeaTac Airport Precipitation (inches)	Comments
	Inside the SBCW		Outside the SBCW		Inside Reactor Vault				
Date	Shallow P-1	Intermediate P-2	Shallow P-3	Intermediate P-4	Cell 6 P-5	Cell 1 P-6			
11/22/14 7:00	20.03	21.14	22.43	21.74	18.89	18.02	1.79	0.02	
11/23/14 7:00	20.01	20.96	22.43	21.61	18.89	17.94	1.78	0.47	
11/24/14 7:00	20.00	20.92	22.57	21.68	18.89	17.92	1.78	0.05	PLC programming error, reloaded and lost data since 11/17. Manually entered data from daily faxes
11/25/14 7:00	20.10	21.05	22.61	21.78	18.90	17.92	1.81	0.72	
11/26/14 7:00	20.27	21.16	22.90	21.97	18.91	17.96	1.80	0.01	
11/27/14 7:00	20.36	21.34	22.84	22.03	18.91	18.03	1.79	0.13	
11/28/14 7:00	20.49	21.49	22.90	22.14	18.91	18.08	1.79	1.35	Raised Cell 1 pumping rate to 2.5 gpm @ 10:10am Lowered Cell 1 pumping rate to 2 gpm @ 10pm
11/29/14 7:00	20.39	21.41	23.06	22.19	18.92	17.95	2.00	0.14	Lowered Cell 1 pumping rate to 1.8 gpm @ 10am
11/30/14 7:00	20.40	21.23	22.84	21.91	18.92	17.99	1.80	0.00	
Average/Total	**20.21**	**21.14**	**22.43**	**21.65**	**18.88**	**18.11**	**1.72**	**4.84**	
12/1/14 7:00	20.46	21.32	22.72	21.94	18.92	18.02	1.79	0.00	
12/2/14 7:00	20.46	21.29	22.54	21.85	18.92	18.05	1.80	0.00	Raised Cell 1 pumping rate to 1.9 gpm @ 16:30
12/3/14 7:00	20.43	21.45	22.55	21.99	18.91	18.03	1.90	0.00	
12/4/14 7:00	20.33	21.38	22.41	21.90	18.92	18.03	1.89	0.03	Raised Cell 1 pumping rate to 2.0 gpm @ 14:00
12/5/14 7:00	20.25	21.29	22.21	21.79	18.92	17.99	2.00	0.12	
12/6/14 7:00	20.11	21.30	22.59	21.88	18.91	17.98	1.99	0.29	
12/7/14 7:00	20.10	21.20	22.64	21.85	18.90	17.91	2.00	0.00	
12/8/14 7:00	20.15	21.30	22.67	21.98	18.89	17.91	2.00	0.36	
12/9/14 7:00	20.22	21.42	22.92	22.12	18.91	17.92	2.00	0.39	
12/10/14 7:00	20.43	21.60	23.27	22.43	18.92	17.97	1.99	0.51	Raised Cell 1 pumping rate to 2.1 gpm @ 7:15
12/11/14 7:00	20.60	21.72	23.36	22.56	18.92	18.02	2.10	0.27	Raised Cell 1 pumping rate to 2.2 gpm @ 8:00
12/12/14 7:00	20.42	21.52	23.11	22.28	18.93	18.03	2.19	0.00	
12/13/14 7:00	20.35	21.37	22.89	22.06	18.93	17.96	2.20	0.00	
12/14/14 7:00	20.37	21.40	22.81	22.06	18.93	17.86	2.20	0.00	
12/15/14 7:00	20.42	21.50	22.78	22.16	18.92	17.85	2.20	0.00	
12/16/14 7:00	20.32	21.51	22.67	22.14	18.91	17.86	2.20	0.00	
12/17/14 7:00	20.23	21.46	22.58	22.07	18.90	17.82	2.20	0.11	
12/18/14 7:00	20.19	21.38	22.62	22.00	18.89	17.81	2.20	0.51	
12/19/14 7:00	20.18	21.41	22.94	22.17	18.89	17.80	2.19	0.12	
12/20/14 7:00	20.34	21.53	23.16	22.38	18.89	17.80	2.20	0.77	

Table A-1

Daily Transducer Data
BSB Shallow Aquifer Cleanup Action
Kent, Washington

Date	Average Groundwater Elevation (feet)						Average Groundwater Extraction Rate (gpm)	SeaTac Airport Precipitation (inches)	Comments
	Inside the SBCW		Outside the SBCW		Inside Reactor Vault				
	Shallow P-1	Intermediate P-2	Shallow P-3	Intermediate P-4	Cell 6 P-5	Cell 1 P-6			
12/21/14 7:00	20.35	21.49	23.21	22.39	18.92	17.84	2.20	0.00	
12/22/14 7:00	20.27	21.32	22.94	22.14	18.90	17.78	2.20	0.00	
12/23/14 7:00	20.35	21.38	22.91	22.19	18.89	17.75	2.09	0.81	Lowered Cell 1 pumping rate to 2.1 gpm @ 9:15
12/24/14 7:00	20.49	21.62	23.45	22.61	18.91	17.87	2.00	0.21	Lowered Cell 1 pumping rate to 2.0 gpm @ 7:15
12/25/14 7:00	20.49	21.55	23.25	22.47	18.90	17.96	2.00	0.00	
12/26/14 7:00	20.48	21.49	23.05	22.32	18.90	17.96	1.99	0.00	
12/27/14 7:00	20.53	21.62	23.11	22.42	18.88	17.96	1.99	0.13	
12/28/14 7:00	20.45	21.62	23.09	22.38	18.88	17.97	2.00	0.16	
12/29/14 7:00	20.47	21.59	23.11	22.32	18.87	18.03	1.99	0.00	Raised Cell 1 pumping rate to 2.1 gpm @ 7:45
12/30/14 7:00	20.40	21.40	22.88	22.03	18.87	18.01	2.09	0.00	
12/31/14 7:00	20.46	21.52	22.90	22.15	18.87	18.01	2.11	0.00	
Average/Total	**20.36**	**21.45**	**22.88**	**22.16**	**18.90**	**17.93**	**2.06**	**4.79**	
1/1/15 7:00	20.52	21.66	22.84	22.27	18.87	18.05	2.09	0.00	
1/2/15 7:00	20.47	21.67	22.73	22.26	18.86	18.10	2.09	0.06	
1/3/15 7:00	20.36	21.60	22.65	22.15	18.85	18.12	2.08	0.00	
1/4/15 7:00	20.36	21.59	22.75	22.17	18.85	18.10	2.07	0.40	
1/5/15 7:00	20.37	21.64	23.06	22.33	18.87	18.12	2.14	0.32	Raised Cell 1 pumping rate to 2.2 gpm @ 8:15
1/6/15 7:00	20.51	21.62	23.13	22.36	18.88	18.06	2.02	0.00	Raised Cell 1 pumping rate to 2.3 gpm @ 9:30
1/7/15 7:00	20.63	21.65	23.00	22.31	18.87	18.03	2.27	0.00	
1/8/15 7:00	20.56	21.68	22.91	22.31	18.86	17.91	2.21	0.00	Lowered Cell 1 pumping rate to 2.2 gpm @ 800
1/9/15 7:00	20.53	21.68	22.80	22.28	18.86	17.90	2.17	0.01	
1/10/15 7:00	20.47	21.69	22.78	22.28	18.86	17.86	2.17	0.23	
1/11/15 7:00	20.37	21.61	22.95	22.28	18.85	17.81	2.17	0.06	
1/12/15 7:00	20.30	21.54	22.85	22.18	18.84	17.76	2.06	0.00	Lowered Cell 1 pumping rate to 2.0 gpm @ 930
1/13/15 7:00	20.31	21.48	22.69	22.08	18.84	17.77	1.98	0.00	
1/14/15 7:00	20.38	21.59	22.69	22.18	18.84	17.78	1.98	0.00	
1/15/15 7:00	20.39	21.61	22.54	22.18	18.84	17.78	1.98	0.38	
1/16/15 7:00	20.32	21.64	22.77	22.26	18.84	17.84	1.98	0.00	
1/17/15 7:00	20.40	21.63	22.83	22.30	18.82	17.83	1.98	1.03	
1/18/15 7:00	20.36	21.70	23.23	22.59	18.85	17.93	1.98	0.84	
1/19/15 7:00	20.44	21.52	23.31	22.53	18.85	17.92	1.97	0.02	Lost programming - re-uploaded Adjusted K-factors for P1, P3, and P4 @ 1500
1/20/15 7:00	20.42	21.61	23.35	22.36	18.85	17.94	1.98	0.00	

Table A-1

Daily Transducer Data
BSB Shallow Aquifer Cleanup Action
Kent, Washington

Date	Average Groundwater Elevation (feet)						Average Groundwater Extraction Rate (gpm)	SeaTac Airport Precipitation (inches)	Comments
	Inside the SBCW		Outside the SBCW		Inside Reactor Vault				
	Shallow P-1	Intermediate P-2	Shallow P-3	Intermediate P-4	Cell 6 P-5	Cell 1 P-6			
1/21/15 7:00	20.50	21.72	23.26	22.37	18.86	17.99	1.98	0.00	
1/22/15 7:00	20.44	21.74	23.13	22.38	18.85	18.03	2.05	0.03	
1/23/15 7:00	20.35	21.69	23.06	22.26	18.85	17.95	2.08	0.23	
1/24/15 7:00	20.36	21.73	23.34	22.39	18.87	17.92	2.09	0.02	
1/25/15 7:00	20.40	21.78	23.33	22.48	18.86	17.94	0.61	0.00	System down @6:45 - low pressure
1/26/15 7:00	20.84	22.05	23.28	22.53	18.86	19.07	1.58	0.00	Restart system @ 8:45. Raised Cell 1 pumping rate to 2.5 gpm @1030
1/27/15 7:00	20.74	22.03	23.09	22.40	18.85	18.67	2.47	0.03	
1/28/15 7:00	20.56	21.82	22.91	22.13	18.86	18.34	2.47	0.00	
1/29/15 7:00	20.44	21.78	22.82	22.12	18.87	18.07	2.33	0.00	Lowered Cell 1 pumping rate to 2.1 gpm @ 1417
1/30/15 7:00	20.37	21.73	22.72	22.08	18.85	18.02	2.13	0.00	Raised Cell 1 pumping rate to 2.3 gpm between 1043 and 1517; lowered rate to 2.1 gpm for weekend
1/31/15 7:00	20.34	21.72	22.66	22.08	18.86	18.02	2.10	0.00	
Average/Total	**20.45**	**21.68**	**22.95**	**22.29**	**18.86**	**18.02**	**2.04**	**3.66**	
2/1/15 7:00	20.37	21.78	22.68	22.16	18.86	18.04	2.17	0.06	Raised Cell 1 pumping rate to 2.2 gpm @ 900
2/2/15 7:00	20.36	21.79	22.91	22.24	18.85	17.99	2.07	0.29	Raised Cell 1 pumping rate to 2.5 gpm @ 706
2/3/15 7:00	20.27	21.70	23.06	22.24	18.87	17.97	2.41	0.05	Lowered Cell 1 pumping rate to 2.3 gpm @ 1600
2/4/15 7:00	20.25	21.68	23.12	22.27	18.86	17.87	2.28	0.33	
2/5/15 7:00	20.36	21.89	23.49	22.62	18.87	17.90	2.11	1.03	
2/6/15 7:00	20.62	22.08	23.86	22.96	18.93	18.11	2.39	0.68	Raised Cell 1 pumping rate to 2.5 gpm @ 840
2/7/15 7:00	20.77	22.12	23.95	23.04	18.97	18.14	2.53	0.93	Raised Cell 1 pumping rate to 2.8 gpm between 845 and 1345. Lowered rate to 2.5 gpm overnight
2/8/15 7:00	20.76	21.94	23.84	22.83	18.98	18.11	2.63	0.14	Raised Cell 1 pumping rate to 2.8 gpm @ 1015
2/9/15 7:00	20.90	22.22	23.91	23.04	18.96	18.05	2.88	0.24	Raised Cell 1 pumping rate to 3.0 gpm @ 600 Lowered rate to 2.8 gpm @ 2200
2/10/15 7:00	20.67	21.96	23.69	22.72	18.97	17.87	2.64	0.01	Lowered Cell 1 pumping rate to 2.6 gpm @ 745
2/11/15 7:00	20.71	22.01	23.64	22.74	18.97	17.84	2.41	0.00	Lowered Cell 1 pumping rate to 2.4 gpm @ 830
2/12/15 7:00	20.72	22.05	23.55	22.70	18.97	17.96	2.58	0.04	Raised Cell 1 pumping rate to 2.5 gpm @ 810. System down for maintenance 2 hr, then raise pumping rate to 3 gpm @ 1115
2/13/15 7:00	20.55	21.99	23.40	22.62	18.91	17.67	2.57	0.00	Lower Cell 1 pumping rate to 2.0 gpm @ 800. Raise pumping rate to 2.5 gpm @ 1045

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Daily Transducer Data
BSB Shallow Aquifer Cleanup Action
Kent, Washington

Date	Average Groundwater Elevation (feet)						Average Groundwater Extraction Rate (gpm)	SeaTac Airport Precipitation (inches)	Comments
	Inside the SBCW		Outside the SBCW		Inside Reactor Vault				
	Shallow P-1	Intermediate P-2	Shallow P-3	Intermediate P-4	Cell 6 P-5	Cell 1 P-6			
2/14/15 7:00	20.51	21.88	23.19	22.47	18.93	17.72	2.48	0.01	
2/15/15 7:00	20.40	21.79	23.14	22.38	18.89	17.65	2.36	0.00	Lowered Cell 1 pumping rate to 2.3 gpm @ 1045
2/16/15 7:00	20.39	21.85	23.07	22.43	18.88	17.71	2.28	0.00	
2/17/15 7:00	20.39	21.88	23.04	22.45	18.89	17.77	2.26	0.00	
2/18/15 7:00	20.27	21.81	22.89	22.34	18.86	17.78	2.27	0.00	
2/19/15 7:00	20.23	21.73	22.80	22.28	18.86	17.75	2.27	0.18	
2/20/15 7:00	20.18	21.71	22.99	22.31	18.85	17.78	2.28	0.03	
2/21/15 7:00	20.16	21.67	22.94	22.27	18.83	17.79	2.25	0.00	
2/22/15 7:00	20.12	21.58	22.74	22.13	18.81	17.73	2.27	0.00	
2/23/15 7:00	20.12	21.57	22.66	22.12	18.81	17.72	2.24	0.00	
2/24/15 7:00	20.09	21.56	22.62	22.12	18.79	17.69	2.16	0.00	Lowered Cell 1 pumping rate to 2.15 gpm @ 830
2/25/15 7:00	20.06	21.51	22.53	22.02	18.77	17.76	2.10	0.16	
2/26/15 7:00	20.10	21.62	22.88	22.18	18.77	17.80	2.11	0.37	
2/27/15 7:00	20.28	21.84	23.40	22.58	18.79	17.89	2.11	0.72	
2/28/15 7:00	20.23	21.63	23.28	22.38	18.78	17.89	2.12	0.00	
Average/Total	**20.39**	**21.82**	**23.19**	**22.45**	**18.87**	**17.86**	**2.33**	**5.27**	
3/1/15 7:00	20.28	21.59	23.14	22.28	18.77	17.85	2.15	0.00	
3/2/15 7:00	20.30	21.70	23.09	22.36	18.75	17.88	2.15	0.00	
3/3/15 7:00	20.29	21.61	22.84	22.14	18.73	17.97	2.18	0.00	
3/4/15 7:00	20.30	21.60	22.73	22.06	18.73	18.05	2.16	0.00	Raised Cell 1 pumping rate to 2.3 gpm @ 830
3/5/15 7:00	20.22	21.59	22.63	22.03	18.69	18.02	2.29	0.00	Raised Cell 1 pumping rate to 2.5 gpm @ 1630
3/6/15 7:00	20.18	21.53	22.52	21.96	18.71	17.93	2.50	0.00	
3/7/15 7:00	20.12	21.52	22.47	21.95	18.68	17.82	2.48	0.00	
3/8/15 7:00	20.11	21.52	22.42	21.97	18.68	17.75	2.50	0.00	Lowered Cell 1 pumping rate to 2.4 gpm @ 945
3/9/15 7:00	20.06	21.53	22.42	22.00	18.67	17.76	2.41	0.00	
3/10/15 7:00	20.05	21.54	22.43	22.05	18.65	17.74	2.40	0.03	
3/11/15 7:00	19.96	21.50	22.40	22.00	18.63	17.75	2.41	0.10	
3/12/15 7:00	19.86	21.29	22.45	21.79	18.62	17.72	2.40	0.00	Lowered Cell 1 rate to 2.3 gpm @ 825
3/13/15 7:00	19.93	21.35	22.49	21.91	18.60	17.70	2.29	0.08	
3/14/15 7:00	19.99	21.55	22.90	22.15	18.60	17.78	2.30	0.67	Raised Cell 1 rate to 2.4 gpm @ 1415
3/15/15 7:00	20.03	21.53	23.22	22.27	18.60	17.80	2.41	2.20	Raised Cell 1 rate to 2.5 gpm @ 915, amd raised again to 2.7 gpm @ 1145
3/16/15 7:00	20.08	21.40	23.65	22.52	18.64	17.81	2.71	0.04	

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Daily Transducer Data
BSB Shallow Aquifer Cleanup Action
Kent, Washington

Date	Average Groundwater Elevation (feet)						Average Groundwater Extraction Rate (gpm)	SeaTac Airport Precipitation (inches)	Comments
	Inside the SBCW		Outside the SBCW		Inside Reactor Vault				
	Shallow P-1	Intermediate P-2	Shallow P-3	Intermediate P-4	Cell 6 P-5	Cell 1 P-6			
3/17/15 7:00	20.32	21.59	23.60	22.62	18.62	17.90	2.69	0.03	
3/18/15 7:00	20.32	21.57	23.31	22.42	18.60	17.94	2.70	0.00	Raised to 2.8 gpm @ 700, and Raised to 3.0 gpm @ 1800
3/19/15 7:00	20.31	21.66	23.27	22.47	18.60	17.76	2.90	0.00	Lowered Cell 1 pumping rate to 2.7 gpm @ 730
3/20/15 7:00	20.24	21.71	23.18	22.49	18.56	17.65	2.68	0.16	Lowered Cell 1 pumping rate to 2.2 gpm @ 800 Raised Cell 1 pumping rate to 2.5 gpm @ 1330 Pump went down @ 1815
3/21/15 7:00	20.41	21.76	23.15	22.42	18.56	18.39	0.00	0.15	System off - Troubleshooting - motor burned out
3/22/15 7:00	20.90	21.97	23.25	22.42	18.56	19.31	0.00	0.04	System off
3/23/15 7:00	21.29	22.21	23.31	22.47	18.58	19.99	0.00	0.32	Replace pump, restart @ 840, raise rate to 5 gpm Lower pumping rate to 4 gpm @1520
3/24/15 7:00	20.83	22.10	23.39	22.46	18.64	18.61	4.00	0.30	Raise Cell 1 pumping rate to 5 gpm @ 930 Lower pumping rate to 2.6 gpm @ 630
3/25/15 7:00	20.57	21.91	23.49	22.50	18.63	17.94	2.59	0.20	Raise Cell 1 pumping rate to 2.8 gpm @ 855
3/26/15 7:00	20.58	21.89	23.59	22.57	18.63	17.88	2.80	0.00	
3/27/15 7:00	20.67	22.02	23.55	22.66	18.62	17.84	2.80	0.04	
3/28/15 7:00	20.53	21.94	23.41	22.50	18.61	17.80	2.82	0.00	Lower pumping rate to 2.6 @ 1610
3/29/15 7:00	20.52	21.91	23.35	22.46	18.60	17.79	2.59	0.00	
3/30/15 7:00	20.55	21.99	23.26	22.51	18.60	17.81	2.59	0.07	
3/31/15 7:00	20.45	21.98	23.19	22.45	18.58	17.84	2.61	0.04	
Average/Total	**20.33**	**21.70**	**23.04**	**22.29**	**18.64**	**17.99**	**2.31**	**4.47**	
4/1/15 7:00	20.34	21.80	23.04	22.26	18.56	17.78	2.60	0.20	Lowered pumping rate to 2.5 gpm @ 740
4/2/15 7:00	20.27	21.75	23.06	22.22	18.55	17.76	2.49	0.00	Lowered pumping rate to 2.4 gpm @ 815
4/3/15 7:00	20.40	21.87	23.06	22.32	18.53	17.91	2.40	0.06	
4/4/15 7:00	20.40	21.88	23.10	22.31	18.53	18.00	2.52	0.00	Raised pumping rate to 2.5 gpm @ 1645
4/5/15 7:00	20.45	21.98	23.04	22.41	18.52	18.01	2.49	0.00	
4/6/15 7:00	20.38	21.95	22.86	22.32	18.50	18.07	2.50	0.04	Raised pumping rate to 2.6 gpm @ 1115
4/7/15 7:00	20.22	21.74	22.69	22.10	18.49	17.99	2.60	0.02	
4/8/15 7:00	20.14	21.66	22.55	22.01	18.47	17.90	2.59	0.00	
4/9/15 7:00	20.19	21.74	22.59	22.13	18.45	17.85	2.60	0.00	
4/10/15 7:00	20.15	21.71	22.92	22.19	18.47	17.87	2.60	0.43	
4/11/15 7:00	20.02	21.52	22.81	22.03	18.46	17.79	2.60	0.00	
4/12/15 7:00	20.07	21.64	22.82	22.20	18.43	17.74	2.61	0.00	

Table A-1

Daily Transducer Data
BSB Shallow Aquifer Cleanup Action
Kent, Washington

Date	Average Groundwater Elevation (feet)						Average Groundwater Extraction Rate (gpm)	SeaTac Airport Precipitation (inches)	Comments
	Inside the SBCW		Outside the SBCW		Inside Reactor Vault				
	Shallow P-1	Intermediate P-2	Shallow P-3	Intermediate P-4	Cell 6 P-5	Cell 1 P-6			
4/13/15 7:00	19.95	21.50	23.06	22.16	18.43	17.72	2.60	0.55	
4/14/15 7:00	19.91	21.35	23.05	22.08	18.42	17.67	2.45	0.13	Lowered Cell 1 pumping rate to 2.5 gpm @ 0900 Lowered pumping rate to 2.45 gpm @ 1640
4/15/15 7:00	20.02	21.43	22.97	22.14	18.40	17.72	2.31	0.00	Lowered Cell 1 pumping rate to 2.3 gpm @ 900
4/16/15 7:00	20.07	21.54	22.89	22.20	18.40	17.86	2.19	0.00	Lowered Cell 1 pumping rate to 2.2 gpm @ 900
4/17/15 7:00	20.04	21.51	22.70	22.08	18.37	17.91	2.20	0.00	
4/18/15 7:00	20.12	21.58	22.65	22.13	18.37	17.95	2.20	0.00	
4/19/15 7:00	20.18	21.69	22.65	22.21	18.36	17.99	2.20	0.00	
4/20/15 7:00	20.13	21.67	22.53	22.10	18.34	18.00	2.24	0.00	Raised Cell 1 pumping rate to 2.25 gpm @ 900
4/21/15 7:00	20.13	21.67	22.53	22.10	18.34	18.00	2.24	0.22	Raised Cell 1 pumping rate to 2.4 gpm @ 1300
4/22/15 7:00	19.96	21.50	22.62	21.92	18.35	17.81	2.39	0.00	
4/23/15 7:00	19.99	21.56	22.66	22.04	18.33	17.80	2.40	0.12	
4/24/15 7:00	20.03	21.62	22.91	22.14	18.34	17.84	2.40	0.13	
4/25/15 7:00	19.94	21.50	22.85	22.04	18.31	17.82	2.40	0.05	
4/26/15 7:00	19.86	21.36	22.55	21.84	18.30	17.72	2.39	0.00	
4/27/15 7:00	19.82	21.33	22.41	21.81	18.29	17.69	2.41	0.01	Lowered Cell 1 pumping rate to 2.3 gpm @ 900
4/28/15 7:00	19.82	21.41	22.41	21.88	18.28	17.73	2.30	0.07	
4/29/15 7:00	19.76	21.29	22.32	21.74	18.27	17.71	2.30	0.00	Lowered Cell 1 pumping rate to 2.1 gpm @ 830
4/30/15 7:00	19.73	21.25	22.19	21.64	18.25	17.76	2.09	0.00	Lowered Cell 1 pumping rate to 2.0 gpm @ 800
Average/Total	**20.08**	**21.60**	**22.75**	**22.09**	**18.40**	**17.85**	**2.41**	**2.03**	
5/1/15 7:00	19.88	21.37	22.21	21.75	18.25	17.85	1.99	0.00	
5/2/15 7:00	19.86	21.35	22.04	21.66	18.24	17.94	2.01	0.00	
5/3/15 7:00	19.90	21.37	22.02	21.71	18.25	18.00	2.00	0.00	System down at 20:45 - lost power temporarily
5/4/15 7:00	20.07	21.45	22.03	21.79	18.25	18.45	0.00	0.00	Restarted @ 10:45, raised pumping rate to 4.0 gpm
5/5/15 7:00	19.83	21.36	21.96	21.72	18.24	17.82	3.27	0.24	Lowered Cell 1 pumping rate to 2.1 gpm @ 445
5/6/15 7:00	19.75	21.25	22.18	21.63	18.24	17.84	2.08	0.00	
5/7/15 7:00	19.76	21.21	22.09	21.58	18.24	17.86	2.09	0.00	
5/8/15 7:00	19.76	21.24	21.99	21.60	18.23	17.88	2.10	0.00	
5/9/15 7:00	19.72	21.20	21.87	21.52	18.23	17.87	2.10	0.00	
5/10/15 7:00	19.72	21.21	21.83	21.53	18.22	17.88	2.11	0.00	
5/11/15 7:00	19.71	21.19	21.79	21.52	18.22	17.85	2.09	0.00	
5/12/15 7:00	19.76	21.26	21.95	21.62	18.20	17.88	2.09	0.17	
5/13/15 7:00	19.72	21.22	22.17	21.74	18.19	17.87	2.09	0.16	

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Daily Transducer Data
BSB Shallow Aquifer Cleanup Action
Kent, Washington

Date	Average Groundwater Elevation (feet)						Average Groundwater Extraction Rate (gpm)	SeaTac Airport Precipitation (inches)	Comments
	Inside the SBCW		Outside the SBCW		Inside Reactor Vault				
	Shallow P-1	Intermediate P-2	Shallow P-3	Intermediate P-4	Cell 6 P-5	Cell 1 P-6			
5/14/15 7:00	19.70	21.18	22.47	21.78	18.20	17.86	2.09	0.01	
5/15/15 7:00	19.67	21.16	22.37	21.69	18.19	17.83	2.10	0.00	
5/16/15 7:00	19.62	21.09	22.13	21.55	18.18	17.78	2.10	0.00	
5/17/15 7:00	19.59	21.03	21.93	21.44	18.17	17.72	2.10	0.00	
5/18/15 7:00	19.54	21.01	21.85	21.42	18.16	17.69	2.10	0.00	Lowered Cell 1 pumping rate to 1.9 gpm @ 835
5/19/15 7:00	19.52	20.98	21.73	21.36	18.15	17.72	1.89	0.00	
5/20/15 7:00	19.54	21.01	21.71	21.38	18.15	17.75	1.89	0.00	
5/21/15 7:00	19.57	21.07	21.72	21.43	18.14	17.80	1.90	0.00	
5/22/15 7:00	19.55	21.00	21.65	21.42	18.13	17.78	1.90	0.00	Lowered Cell 1 pumping rate to 1.85 gpm @ 720
5/23/15 7:00	19.51	20.91	21.53	21.25	18.12	17.80	1.84	0.00	
5/24/15 7:00	19.53	20.91	21.51	21.26	18.11	17.80	1.85	0.00	
5/25/15 7:00	19.58	20.96	21.52	21.31	18.11	17.82	1.85	0.00	
5/26/15 7:00	19.53	20.93	21.46	21.25	18.11	17.83	1.86	0.00	
5/27/15 7:00	19.54	20.90	21.42	21.24	18.11	17.82	1.85	0.00	
5/28/15 7:00	19.49	20.88	21.38	21.19	18.10	17.76	1.85	0.00	Lowered Cell 1 pumping rate to 1.75 gpm @ 750
5/29/15 7:00	19.50	20.90	21.38	21.22	18.09	17.80	1.74	0.00	
5/30/15 7:00	19.51	20.90	21.35	21.20	18.08	17.85	1.74	0.00	
5/31/15 7:00	19.55	20.93	21.34	21.21	18.08	17.89	1.75	0.00	
Average/Total	**19.66**	**21.11**	**21.82**	**21.48**	**18.17**	**17.85**	**1.95**	**0.58**	
6/1/15 7:00	19.56	20.91	21.29	21.16	18.08	17.92	1.75	0.18	Raised Cell 1 pumping rate to 1.8 gpm @ 830
6/2/15 7:00	19.55	20.87	21.71	21.20	18.08	17.92	1.80	0.02	Raised Cell 1 pumping rate to 1.9 gpm @ 920
6/3/15 7:00	19.53	20.83	21.54	21.16	18.08	17.89	1.89	0.00	
6/4/15 7:00	19.45	20.79	21.39	21.11	18.07	17.83	1.90	0.00	Lowered Cell 1 pumping rate to 1.85 gpm @ 800
6/5/15 7:00	19.47	20.77	21.33	21.08	18.07	17.82	1.85	0.00	
6/6/15 7:00	19.45	20.79	21.32	21.07	18.07	17.76	1.85	0.00	
6/7/15 7:00	19.45	20.77	21.30	21.05	18.07	17.77	1.85	0.00	
6/8/15 7:00	19.44	20.78	21.27	21.07	18.06	17.74	1.85	0.00	Lowered Cell 1 pumping rate to 1.8 gpm @ 830
6/9/15 7:00	19.44	20.77	21.25	21.04	18.06	17.75	1.80	0.00	Lowered Cell 1 pumping rate to 1.75 gpm @ 730
6/10/15 7:00	19.44	20.75	21.20	21.00	18.05	17.77	1.75	0.00	
6/11/15 7:00	19.37	20.67	21.10	20.90	18.05	17.76	1.75	0.00	Lowered Cell 1 pumping rate to 1.70 gpm @ 830
6/12/15 7:00	19.38	20.64	21.07	20.88	18.04	17.77	1.70	0.00	
6/13/15 7:00	19.40	20.67	21.08	20.92	18.02	17.78	1.70	0.00	
6/14/15 7:00	19.41	20.70	21.10	20.94	18.03	17.79	1.70	0.00	

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Daily Transducer Data
BSB Shallow Aquifer Cleanup Action
Kent, Washington

Date	Average Groundwater Elevation (feet)						Average Groundwater Extraction Rate (gpm)	SeaTac Airport Precipitation (inches)	Comments
	Inside the SBCW		Outside the SBCW		Inside Reactor Vault				
	Shallow P-1	Intermediate P-2	Shallow P-3	Intermediate P-4	Cell 6 P-5	Cell 1 P-6			
6/15/15 7:00	19.42	20.72	21.09	20.96	18.02	17.79	1.71	0.00	
6/16/15 7:00	19.36	20.63	20.97	20.83	18.01	17.79	1.70	0.00	
6/17/15 7:00	19.37	20.62	20.95	20.84	18.01	17.75	1.70	0.00	
6/18/15 7:00	19.40	20.66	20.99	20.90	18.00	17.75	1.70	0.00	
6/19/15 7:00	19.40	20.61	20.91	20.79	18.02	17.97	1.29	0.02	System down @ 1:20. Power glitch.
6/20/15 7:00	19.72	20.71	20.86	20.77	18.02	18.58	0.00	0.00	Restarted at 9:20 @ 1.7 gpm. Raised pumping rate to 3 gpm @ 1340
6/21/15 7:00	19.59	20.81	20.94	20.87	18.01	17.95	2.49	0.00	Lowered pumping rate to 1.75 gpm @ 715
6/22/15 7:00	19.42	20.65	20.82	20.72	17.99	17.88	1.76	0.00	
6/23/15 7:00	19.37	20.59	20.78	20.68	18.01	17.78	1.74	0.00	
6/24/15 7:00	19.35	20.61	20.80	20.74	17.99	17.72	1.75	0.00	Lowered pumping rate to 1.7 gpm @ 915
6/25/15 7:00	19.30	20.55	20.76	20.68	17.99	17.71	1.70	0.00	Lowered pumping rate to 1.65 gpm @ 930
6/26/15 7:00	19.31	20.55	20.74	20.69	18.00	17.68	1.66	0.00	Lowered pumping rate to 1.60 gpm @ 900
6/27/15 7:00	19.33	20.60	20.77	20.73	18.00	17.70	1.60	0.00	System down @ 2030 - unknown
6/28/15 7:00	19.42	20.62	20.75	20.72	17.99	18.09	0.88	0.01	Restart system @ 1215, raised rate to 2.5 gpm Lowered pumping rate to 2.0 gpm @ 2230
6/29/15 7:00	19.41	20.60	20.72	20.68	17.99	17.84	1.78	0.00	Lowered pumping rate to 1.7 gpm @ 730
6/30/15 7:00	19.28	20.50	20.65	20.58	17.99	17.75	1.70	0.00	Lowered pumping rate to 1.65 gpm @ 815
Average/Total	**19.43**	**20.69**	**21.05**	**20.89**	**18.03**	**17.83**	**1.68**	**0.23**	
7/1/15 7:00	19.27	20.51	20.66	20.63	17.99	17.72	1.66	0.00	Lowered pumping rate to 1.6 gpm @ 845
7/2/15 7:00	19.28	20.52	20.66	20.63	17.99	17.73	1.60	0.00	Lowered pumping rate to 1.55 gpm @ 1330 Adjusted K factors on P1 and P4
7/3/15 7:00	19.34	20.52	20.67	20.51	17.98	17.75	1.55	0.00	
7/4/15 7:00	19.37	20.53	20.63	20.51	17.98	17.71	1.55	0.00	
7/5/15 7:00	19.36	20.54	20.64	20.51	17.98	17.75	1.55	0.00	
7/6/15 7:00	19.32	20.44	20.55	20.41	17.98	17.72	1.54	0.00	Lower pumping rate to 1.45 gpm @ 915
7/7/15 7:00	19.31	20.40	20.53	20.39	17.97	17.72	1.46	0.00	
7/8/15 7:00	19.31	20.47	20.59	20.51	17.95	17.77	1.45	0.00	
7/9/15 7:00	19.39	20.52	20.60	20.50	17.98	17.80	1.45	0.00	Raise pumping rate to 1.50 gpm @ 840
7/10/15 7:00	19.34	20.48	20.56	20.42	17.97	17.82	1.49	0.00	
7/11/15 7:00	19.35	20.44	20.51	20.38	17.96	17.79	1.50	0.00	
7/12/15 7:00	19.31	20.38	20.44	20.33	17.98	17.75	1.50	0.00	
7/13/15 7:00	19.29	20.33	20.43	20.29	17.97	17.76	1.50	0.00	

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BSB Shallow Aquifer Cleanup Action
Kent, Washington

Date	Average Groundwater Elevation (feet)						Average Groundwater Extraction Rate (gpm)	SeaTac Airport Precipitation (inches)	Comments
	Inside the SBCW		Outside the SBCW		Inside Reactor Vault				
	Shallow P-1	Intermediate P-2	Shallow P-3	Intermediate P-4	Cell 6 P-5	Cell 1 P-6			
7/14/15 7:00	19.27	20.33	20.40	20.29	17.95	17.72	1.49	0.00	
7/15/15 7:00	19.23	20.31	20.38	20.27	17.96	17.69	1.50	0.00	Lower pumping rate to 1.4 gpm @ 830
7/16/15 7:00	19.23	20.29	20.35	20.24	17.96	17.72	1.40	0.00	
7/17/15 7:00	19.23	20.28	20.34	20.22	17.95	17.72	1.40	0.00	Lower pumping rate to 1.3gpm @ 730
7/18/15 7:00	19.26	20.33	20.35	20.26	17.96	17.81	1.30	0.00	
7/19/15 7:00	19.32	20.36	20.34	20.26	17.96	17.84	1.30	0.00	
7/20/15 7:00	19.31	20.33	20.29	20.20	17.95	17.87	1.30	0.00	Raise pumping rate to 1.4 gpm @ 1300
7/21/15 7:00	19.32	20.34	20.28	20.19	17.96	17.86	1.37	0.00	
7/22/15 7:00	19.28	20.33	20.27	20.16	17.94	17.83	1.40	0.00	
7/23/15 7:00	19.30	20.32	20.21	20.11	17.96	17.81	1.40	0.00	
7/24/15 7:00	19.24	20.25	20.17	20.04	17.95	17.79	1.39	0.01	
7/25/15 7:00	19.32	20.26	20.15	20.05	17.97	17.96	1.00	0.00	System down @ 0030 - unknown. Blower off. Restarted system @ 1540
7/26/15 7:00	19.38	20.32	20.14	20.05	17.95	18.09	0.90	0.08	Raised pumping rate to 1.6 gpm @ 1015
7/27/15 7:00	19.30	20.24	20.12	19.99	17.95	17.89	1.57	0.00	
7/28/15 7:00	19.22	20.17	20.08	19.97	17.95	17.70	1.60	0.00	Lower pumping rate to 1.45 gpm @ 845
7/29/15 7:00	19.18	20.19	20.10	20.01	17.94	17.67	1.46	0.00	Lower pumping rate to 1.35 gpm @ 830
7/30/15 7:00	19.21	20.20	20.07	20.03	17.95	17.66	1.35	0.00	Lower pumping rate to 1.2 gpm @ 830 Raise pumping rate to 1.3 gpm @ 1530
7/31/15 7:00	19.16	20.20	20.07	20.01	17.94	17.73	1.27	0.00	Lower pumping rate to 1.25 gpm @ 800
Average/Total	**19.29**	**20.36**	**20.37**	**20.27**	**17.96**	**17.78**	**1.43**	**0.09**	
8/1/15 7:00	19.17	20.22	20.08	20.01	17.95	17.77	1.25	0.00	
8/2/15 7:00	19.23	20.24	20.07	20.03	17.95	17.79	1.24	0.00	
8/3/15 7:00	19.23	20.24	20.08	20.03	17.95	17.85	1.24	0.00	Raise pumping rate to 1.3 gpm @ 1425
8/4/15 7:00	19.20	20.17	19.98	19.94	17.95	17.80	1.23	0.00	
8/5/15 7:00	19.17	20.12	19.95	19.90	17.94	17.75	1.30	0.00	
8/6/15 7:00	19.15	20.09	19.94	19.89	17.95	17.74	1.30	0.00	
8/7/15 7:00	19.15	20.15	19.96	19.96	17.94	17.71	1.30	0.00	Lower pumping rate to 1.25 gpm @ 900
8/8/15 7:00	19.17	20.18	19.98	19.98	17.95	17.72	1.25	0.00	
8/9/15 7:00	19.16	20.10	19.89	19.89	17.94	17.72	1.24	0.00	
8/10/15 7:00	19.15	20.12	19.91	19.93	17.93	17.73	1.25	0.00	
8/11/15 7:00	19.14	20.10	19.89	19.90	17.94	17.72	1.25	0.00	
8/12/15 7:00	19.12	20.11	19.90	19.91	17.95	17.74	1.25	0.30	

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Daily Transducer Data
BSB Shallow Aquifer Cleanup Action
Kent, Washington

Date	Average Groundwater Elevation (feet)						Average Groundwater Extraction Rate (gpm)	SeaTac Airport Precipitation (inches)	Comments
	Inside the SBCW		Outside the SBCW		Inside Reactor Vault				
	Shallow P-1	Intermediate P-2	Shallow P-3	Intermediate P-4	Cell 6 P-5	Cell 1 P-6			
8/13/15 7:00	19.12	20.05	19.83	19.85	17.95	17.71	1.24	0.00	Lower pumping rate to 1.20 gpm @ 850
8/14/15 7:00	19.12	20.08	19.87	19.88	17.94	17.74	1.20	1.20	
8/15/15 7:00	19.10	19.99	20.85	20.03	17.97	17.74	1.20	0.00	
8/16/15 7:00	19.10	19.97	20.56	20.03	17.97	17.72	1.20	0.00	
8/17/15 7:00	19.11	20.03	20.41	20.07	17.97	17.74	1.20	0.00	
8/18/15 7:00	19.12	20.07	20.31	20.08	17.96	17.75	1.20	0.00	
8/19/15 7:00	19.17	20.11	20.27	20.11	17.97	17.76	1.20	0.00	
8/20/15 7:00	19.16	20.10	20.18	20.05	17.95	17.77	1.19	0.08	
8/21/15 7:00	19.14	20.06	20.10	20.00	17.95	17.74	1.20	0.00	
8/22/15 7:00	19.09	19.97	20.00	19.88	17.96	17.74	1.20	0.00	
8/23/15 7:00	19.10	20.02	20.00	19.94	17.95	17.71	1.20	0.00	
8/24/15 7:00	19.08	19.97	19.95	19.87	17.95	17.71	1.20	0.00	Lowered pumping rate to 1.15 gpm @ 1412
8/25/15 7:00	19.06	19.95	19.91	19.84	17.95	17.73	1.16	0.00	System down for approx. 3 hrs to repair leak. Raised pumping rate to 1.2 gpm @ 1650
8/26/15 7:00	19.12	20.00	19.92	19.88	17.97	17.79	1.03	0.00	
8/27/15 7:00	19.10	19.98	19.90	19.85	17.98	17.76	1.19	0.00	
8/28/15 7:00	19.11	20.01	19.93	19.90	17.99	17.73	1.20	0.02	Lowered pumping rate to 1.1 gpm @ 852
8/29/15 7:00	19.19	20.20	20.11	20.09	17.99	17.78	1.11	1.28	
8/30/15 7:00	19.18	20.10	21.26	20.24	18.04	17.85	1.10	0.40	
8/31/15 7:00	19.17	20.04	21.27	20.40	18.02	17.88	1.10	0.00	
Average/Total	**19.14**	**20.08**	**20.14**	**19.98**	**17.96**	**17.76**	**1.21**	**3.28**	
9/1/15 7:00	19.20	20.09	21.03	20.41	18.02	17.87	1.10	0.23	
9/2/15 7:00	19.20	20.06	21.27	20.43	18.03	17.88	1.09	0.00	
9/3/15 7:00	19.16	19.97	21.02	20.32	18.00	17.84	1.08	0.00	
9/4/15 7:00	19.16	19.99	20.83	20.28	17.99	17.84	1.09	0.00	
9/5/15 7:00	19.15	19.95	20.62	20.19	18.00	17.84	1.10	0.01	
9/6/15 7:00	19.15	19.96	20.51	20.17	18.00	17.84	1.10	0.21	
9/7/15 7:00	19.12	19.92	20.86	20.19	18.00	17.82	1.10	0.01	
9/8/15 7:00	19.10	19.96	20.73	20.22	18.00	17.84	1.10	0.00	
9/9/15 7:00	19.12	19.98	20.60	20.21	18.00	17.85	1.10	0.00	
9/10/15 7:00	19.10	19.95	20.46	20.16	18.00	17.84	1.10	0.00	
9/11/15 7:00	19.11	19.96	20.40	20.15	18.00	17.83	1.10	0.00	
9/12/15 7:00	19.12	19.97	20.35	20.14	18.00	17.84	1.10	0.00	

Table A-1

Daily Transducer Data
BSB Shallow Aquifer Cleanup Action
Kent, Washington

Date	Average Groundwater Elevation (feet)						Average Groundwater Extraction Rate (gpm)	SeaTac Airport Precipitation (inches)	Comments
	Inside the SBCW		Outside the SBCW		Inside Reactor Vault				
	Shallow P-1	Intermediate P-2	Shallow P-3	Intermediate P-4	Cell 6 P-5	Cell 1 P-6			
9/13/15 7:00	19.16	20.02	20.34	20.17	18.05	17.87	1.10	0.02	
9/14/15 7:00	19.13	20.00	20.41	20.20	17.99	17.81	1.10	0.00	
9/15/15 7:00	19.09	19.99	20.33	20.16	17.99	17.82	1.10	0.00	
9/16/15 7:00	19.09	19.96	20.27	20.12	18.00	17.82	1.10	0.04	
9/17/15 7:00	19.11	19.98	20.72	20.17	18.02	17.84	1.11	0.07	Raised pumping rate to 1.15 @ 1227
9/18/15 7:00	19.05	19.85	20.69	20.08	18.02	17.77	1.14	0.00	
9/19/15 7:00	19.05	19.88	20.55	20.13	18.01	17.73	1.15	0.00	
9/20/15 7:00	19.04	19.93	20.47	20.16	18.01	17.73	1.15	0.16	
9/21/15 7:00	19.01	19.85	20.86	20.13	18.01	17.70	1.15	0.00	
9/22/15 7:00	19.02	19.87	20.76	20.19	18.02	17.68	1.15	0.00	Lowered pumping rate to 1.1 gpm @ 830
9/23/15 7:00	19.01	19.83	20.55	20.13	18.01	17.65	1.10	0.00	Lowered pumping rate to 1.05 gpm @ 805
9/24/15 7:00	18.99	19.87	20.47	20.17	18.00	17.71	1.05	0.00	
9/25/15 7:00	19.01	19.86	20.55	20.14	18.01	17.74	1.04	0.08	
9/26/15 7:00	18.97	19.81	20.80	20.15	18.02	17.73	1.05	0.00	
9/27/15 7:00	18.97	19.78	20.58	20.09	18.01	17.70	1.06	0.00	
9/28/15 7:00	18.97	19.85	20.51	20.16	18.02	17.71	1.04	0.00	
9/29/15 7:00	19.01	19.88	20.43	20.16	18.02	17.71	1.05	0.00	
9/30/15 7:00	18.96	19.82	20.30	20.09	18.01	17.71	1.05	0.00	
Average/Total	**19.08**	**19.93**	**20.61**	**20.18**	**18.01**	**17.78**	**1.09**	**0.83**	
10/1/15 7:00	18.96	19.80	20.22	20.06	18.01	17.66	1.05	0.00	
10/2/15 7:00	19.00	19.72	20.14	19.97	18.02	17.70	1.04	0.00	
10/3/15 7:00	19.01	19.80	20.17	20.05	18.01	17.71	1.05	0.00	
10/4/15 7:00	19.03	19.82	20.14	20.06	18.01	17.70	1.04	0.00	
10/5/15 7:00	19.04	19.83	20.13	20.07	18.01	17.73	1.05	0.00	
10/6/15 7:00	19.00	19.79	20.09	20.03	18.03	17.72	1.05	0.00	
10/7/15 7:00	19.02	19.75	20.07	19.99	18.02	17.73	1.05	0.39	
10/8/15 7:00	18.97	19.76	20.97	20.08	18.02	17.71	1.05	0.00	
10/9/15 7:00	19.02	19.85	20.81	20.19	18.02	17.70	1.05	0.01	
10/10/15 7:00	19.01	19.88	20.71	20.22	18.00	17.69	1.05	1.13	
10/11/15 7:00	18.98	19.71	21.49	20.37	18.04	17.72	1.05	0.00	
10/12/15 7:00	19.00	19.78	21.39	20.52	18.04	17.69	1.05	0.18	
10/13/15 7:00	18.96	19.74	21.48	20.48	18.05	17.65	1.05	0.05	Lowered pumping rate to 1.0 gpm @ 800
10/14/15 7:00	18.97	19.73	21.39	20.49	18.05	17.63	1.00	0.00	Lowered pumping rate to 0.9 gpm @ 800

Table A-1

Daily Transducer Data
BSB Shallow Aquifer Cleanup Action
Kent, Washington

Date	Average Groundwater Elevation (feet)						Average Groundwater Extraction Rate (gpm)	SeaTac Airport Precipitation (inches)	Comments
	Inside the SBCW		Outside the SBCW		Inside Reactor Vault				
	Shallow P-1	Intermediate P-2	Shallow P-3	Intermediate P-4	Cell 6 P-5	Cell 1 P-6			
10/15/15 7:00	19.03	19.82	21.27	20.55	18.05	17.71	0.90	0.00	
10/16/15 7:00	19.07	19.87	21.13	20.54	18.04	17.75	0.91	0.00	Raised pumping rate to 0.95 gpm @ 1205
10/17/15 7:00	19.04	19.90	20.97	20.52	18.05	17.78	0.93	0.01	
10/18/15 7:00	19.00	19.84	20.86	20.42	18.04	17.79	0.95	0.15	
10/19/15 7:00	19.03	19.88	21.44	20.59	18.06	17.79	0.95	0.01	
10/20/15 7:00	18.96	19.73	21.22	20.42	18.06	17.77	0.95	0.00	
10/21/15 7:00	18.98	19.80	21.08	20.46	18.06	17.74	0.94	0.00	Lowered pumping rate to 0.9 gpm @ 1015
10/22/15 7:00	18.98	19.75	21.00	20.37	18.06	17.78	0.90	0.00	Raised pumping rate to 0.95 gpm @ 1700
10/23/15 7:00	19.02	19.81	20.89	20.40	18.06	17.80	0.92	0.00	
10/24/15 7:00	19.05	19.92	20.89	20.49	18.05	17.85	0.95	0.00	
10/25/15 7:00	19.11	20.00	20.87	20.54	18.05	17.87	0.95	0.35	
10/26/15 7:00	19.09	19.92	21.35	20.51	18.06	17.92	0.96	0.27	Raised pumping rate to 1.05 gpm @ 1000
10/27/15 7:00	19.09	19.89	21.49	20.61	18.07	17.88	1.04	0.00	
10/28/15 7:00	19.09	19.94	21.32	20.64	18.07	17.85	1.05	0.13	
10/29/15 7:00	19.05	19.89	21.48	20.61	18.08	17.83	1.05	0.07	
10/30/15 7:00	19.15	20.09	21.79	20.90	18.08	17.85	1.04	0.76	Raised pumping rate to 1.15 gpm @ 810
10/31/15 7:00	19.17	20.12	22.01	21.06	18.11	17.86	1.15	1.30	Raised pumping rate to 1.20 gpm @ 645
Average/Total	**19.03**	**19.84**	**20.98**	**20.39**	**18.04**	**17.76**	**1.01**	**4.81**	
11/1/15 7:00	19.19	20.07	22.25	21.23	18.14	17.87	1.20	1.03	Raised pumping rate to 1.30 gpm @ 1545
11/2/15 7:00	19.17	20.02	22.23	21.24	18.15	17.81	1.27	0.01	Lowered pumping rate to 1.25 gpm @ 1115
11/3/15 7:00	19.25	19.98	22.19	21.19	18.15	17.76	1.24	0.03	Lowered pumping rate to 1.20 gpm @ 920
11/4/15 7:00	19.21	19.94	22.01	21.09	18.16	17.73	1.20	0.00	
11/5/15 7:00	19.20	19.98	21.89	21.10	18.15	17.73	1.20	0.05	
11/6/15 7:00	19.20	19.91	21.87	20.99	18.17	17.72	1.20	0.00	Lowered pumping rate to 1.15 gpm @ 800
11/7/15 7:00	19.22	20.11	21.82	21.18	18.16	17.75	1.15	0.50	System down 11:07 - power outage?
11/8/15 7:00	19.28	20.19	22.21	21.32	18.17	18.01	0.77	0.26	Restart @ 920, rate = 2.3 gpm, lower to 1.15 gpm @ 1630, raise to 1.2 gpm @ 2105
11/9/15 7:00	19.25	20.15	22.21	21.31	18.18	17.81	1.39	0.13	
11/10/15 7:00	19.19	20.02	22.15	21.19	18.18	17.78	1.20	0.05	
11/11/15 7:00	19.21	20.06	22.11	21.21	18.19	17.78	1.20	0.06	
11/12/15 7:00	19.15	20.05	22.00	21.18	18.18	17.73	1.19	0.39	
11/13/15 7:00	19.22	20.28	22.39	21.48	18.19	17.74	1.20	1.32	

Table A-1

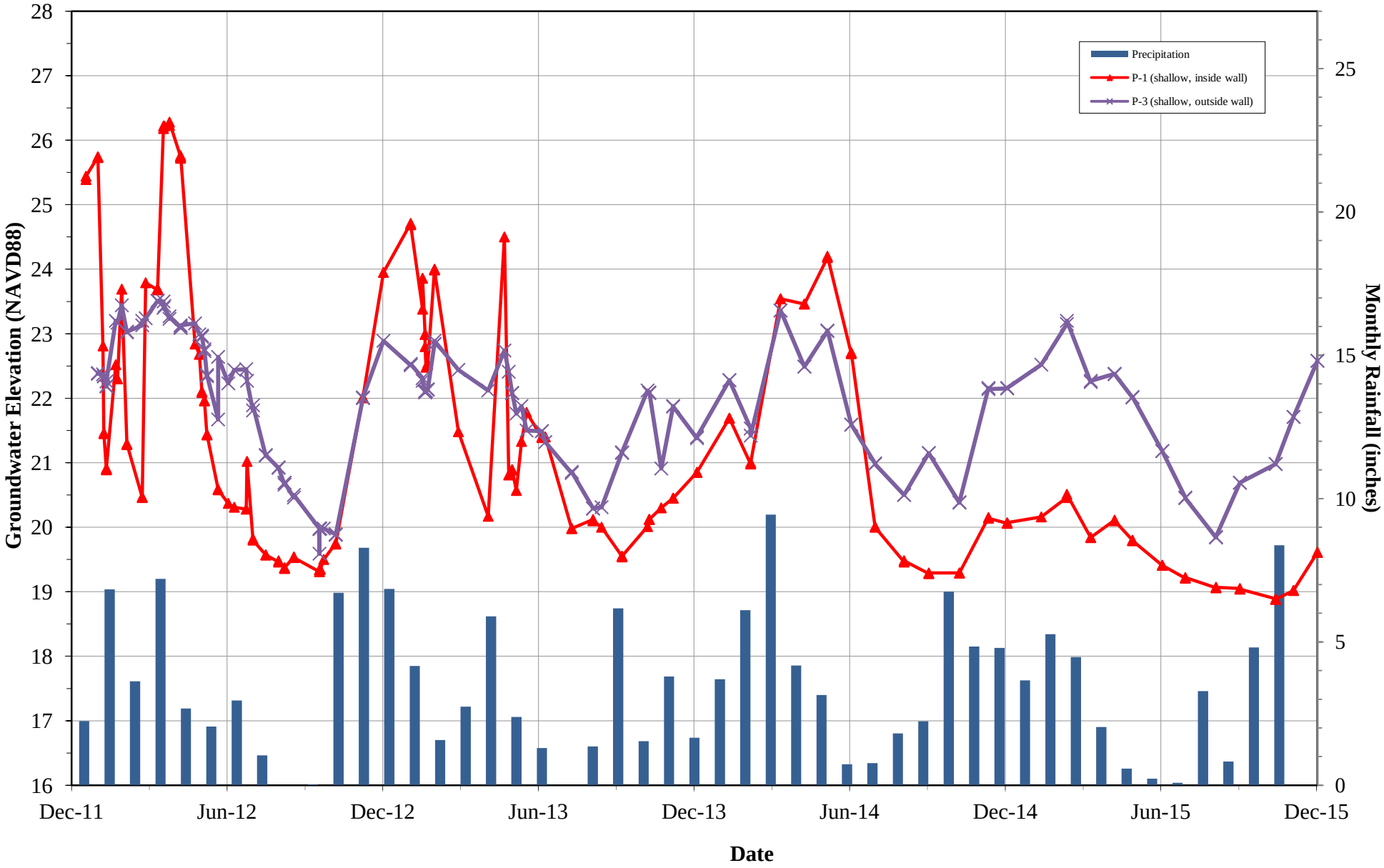
Daily Transducer Data
BSB Shallow Aquifer Cleanup Action
Kent, Washington

Date	Average Groundwater Elevation (feet)						Average Groundwater Extraction Rate (gpm)	SeaTac Airport Precipitation (inches)	Comments
	Inside the SBCW		Outside the SBCW		Inside Reactor Vault				
	Shallow P-1	Intermediate P-2	Shallow P-3	Intermediate P-4	Cell 6 P-5	Cell 1 P-6			
11/14/15 7:00	19.37	20.33	22.77	21.75	18.24	17.81	1.20	1.86	Raised pumping rate at 1.25 gpm @ 630, and to 1.4 gpm at 2300
11/15/15 7:00	19.64	20.49	23.08	22.13	18.27	18.04	1.30	0.88	Raised pumping rate at 1.6 gpm @ 1030. and 1.7 gpm at 2000
11/16/15 7:00	19.85	20.39	22.85	21.89	18.27	18.00	1.61	0.08	
11/17/15 7:00	19.87	20.62	23.04	22.12	18.29	17.89	1.70	1.16	
11/18/15 7:00	19.87	20.44	22.97	22.01	18.33	17.85	1.70	0.06	Lowered pumping rate to 1.6 gpm @ 1440
11/19/15 7:00	19.87	20.58	23.03	22.12	18.33	17.76	1.63	0.08	
11/20/15 7:00	19.73	20.40	22.73	21.84	18.32	17.69	1.60	0.00	Lowered pumping rate to 1.40 gpm @ 1030, raised to 1.45 gpm @ 1415
11/21/15 7:00	19.70	20.52	22.66	21.93	18.31	17.71	1.46	0.00	
11/22/15 7:00	19.68	20.62	22.57	21.95	18.34	17.73	1.45	0.00	
11/23/15 7:00	19.68	20.71	22.52	22.00	18.32	17.80	1.45	0.12	
11/24/15 7:00	19.69	20.74	22.68	22.01	18.34	17.84	1.45	0.28	Raised pumping rate to 1.55 gpm @ 750
11/25/15 7:00	19.67	20.56	22.56	21.79	18.33	17.80	1.55	0.00	
11/26/15 7:00	19.62	20.51	22.40	21.69	18.34	17.76	1.55	0.00	
11/27/15 7:00	19.62	20.53	22.30	21.70	18.33	17.70	1.55	0.00	
11/28/15 7:00	19.58	20.56	22.21	21.70	18.34	17.67	1.55	0.00	Lowered pumping rate to 1.45 gpm @ 1425
11/29/15 7:00	19.51	20.58	22.16	21.71	18.33	17.71	1.48	0.00	
11/30/15 7:00	19.54	20.62	22.10	21.71	18.33	17.73	1.45	0.02	Lowered pumping rate to 1.35 gpm @ 910
Average/Total	**19.47**	**20.33**	**22.40**	**21.59**	**18.25**	**17.79**	**1.37**	**8.37**	

Notes: 1. Elevations in feet relative to the National Geodetic Vertical Datum of 1988 (NAVD 88).
2. SBCW = soil-bentonite cutoff wall.
3. gpm = gallons per minute.
4. Groundwater extracted from Cell 6 through 2/12/13, from Cells 1 and 6 from 2/13/13 through 7/20/13, and from Cell 1 after 7/20/13.

ATTACHMENT B
Hydrographs and Groundwater Elevation Table

Hydrograph -- Piezometers P-1 and P-3
BSB Property, Kent, Washington



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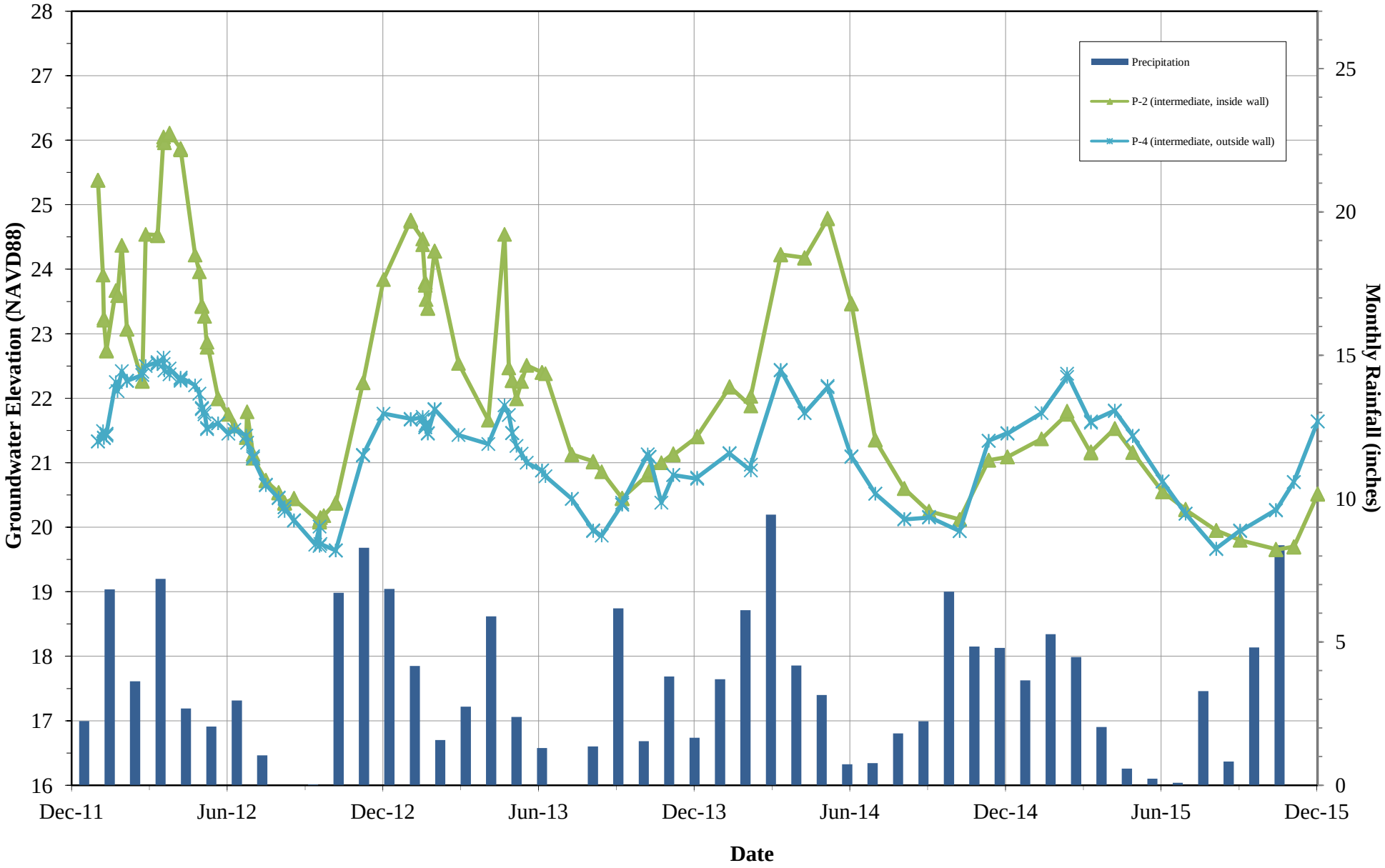
Hydrograph -- Piezometers P-2 and P-4
BSB Property, Kent, Washington



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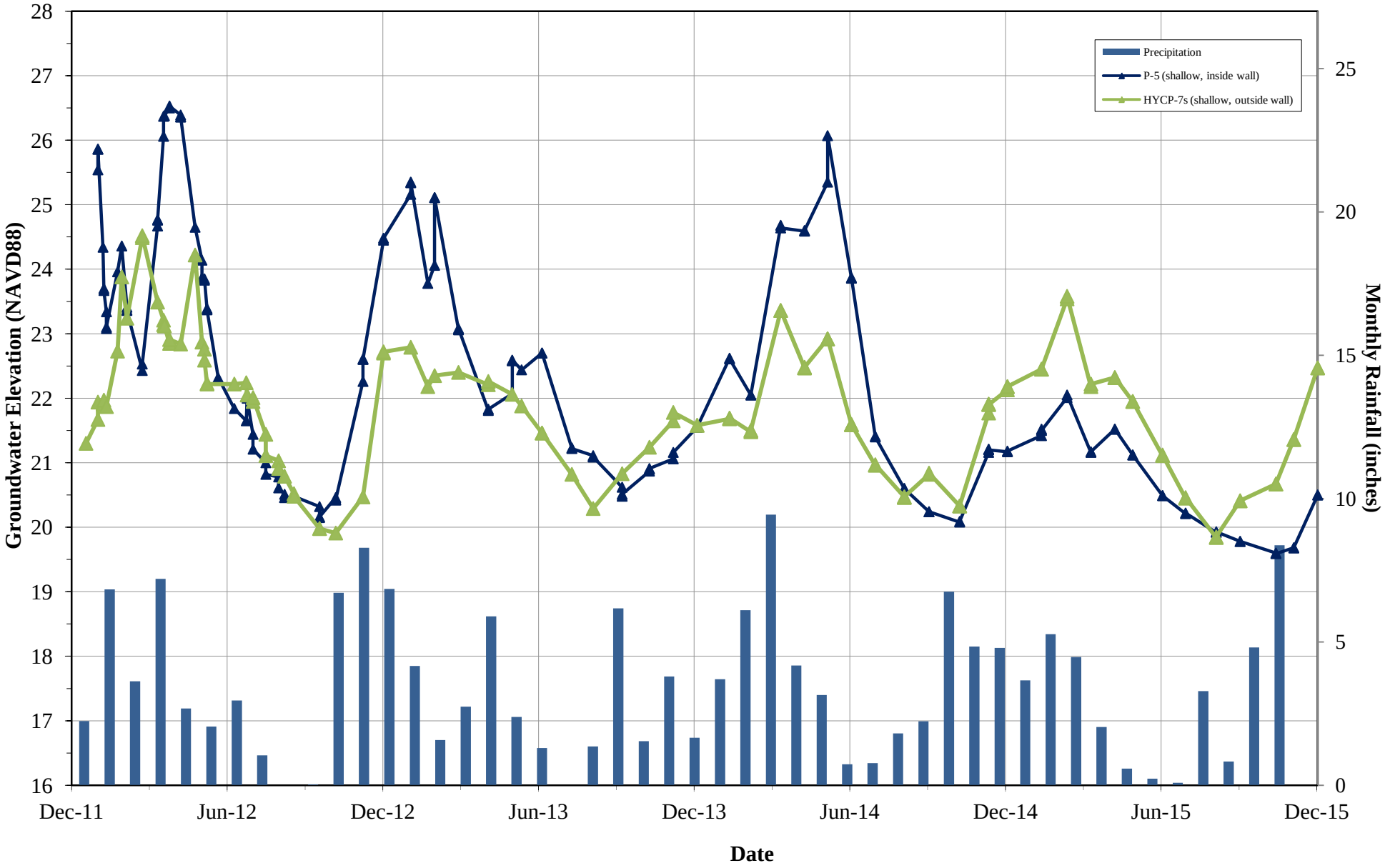
Hydrograph -- Piezometer P-5 and Well HYCP-7s
BSB Property, Kent, Washington



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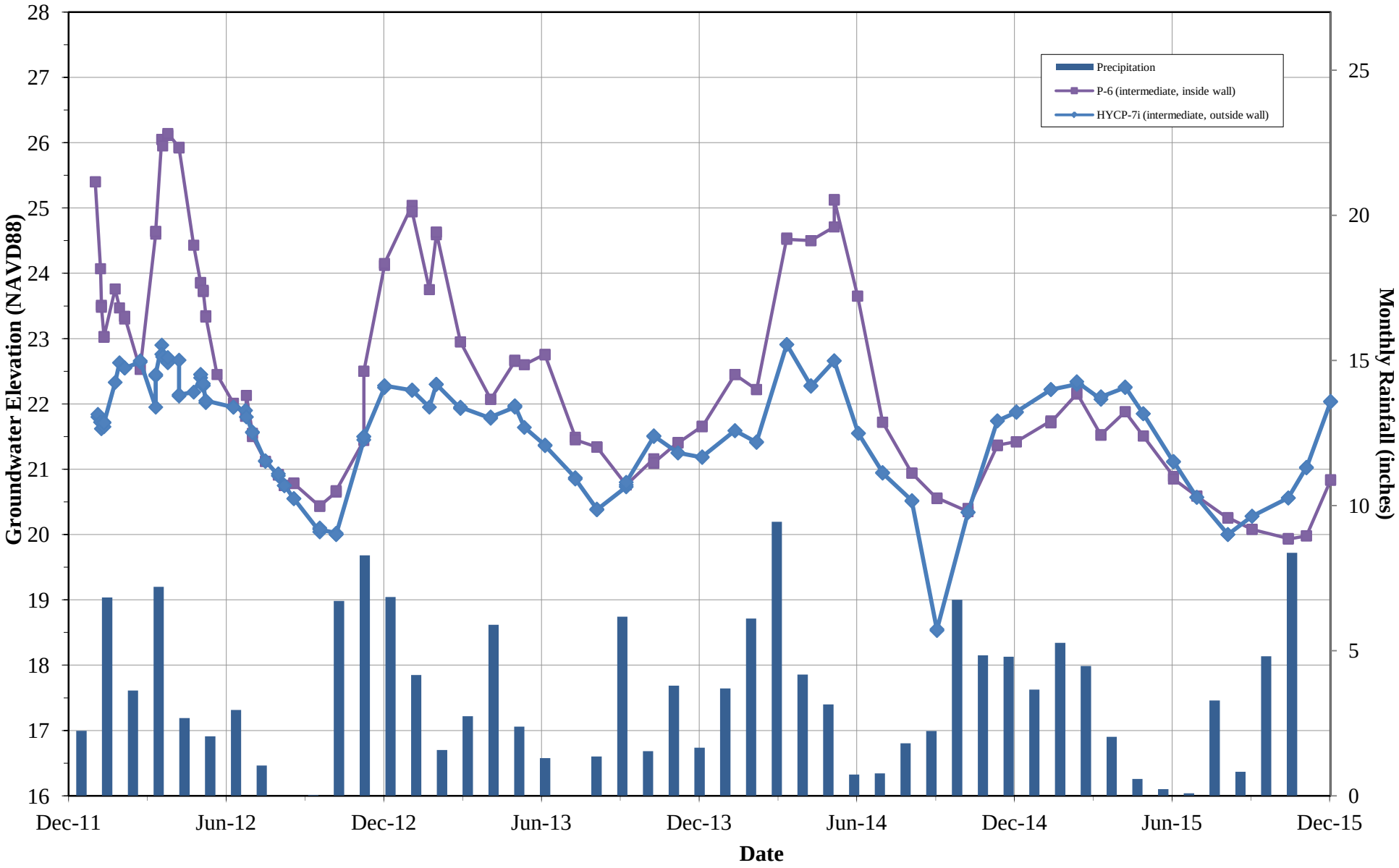
Hydrograph -- Piezometer P-6 and Well HYCP-7i
BSB Property, Kent, Washington



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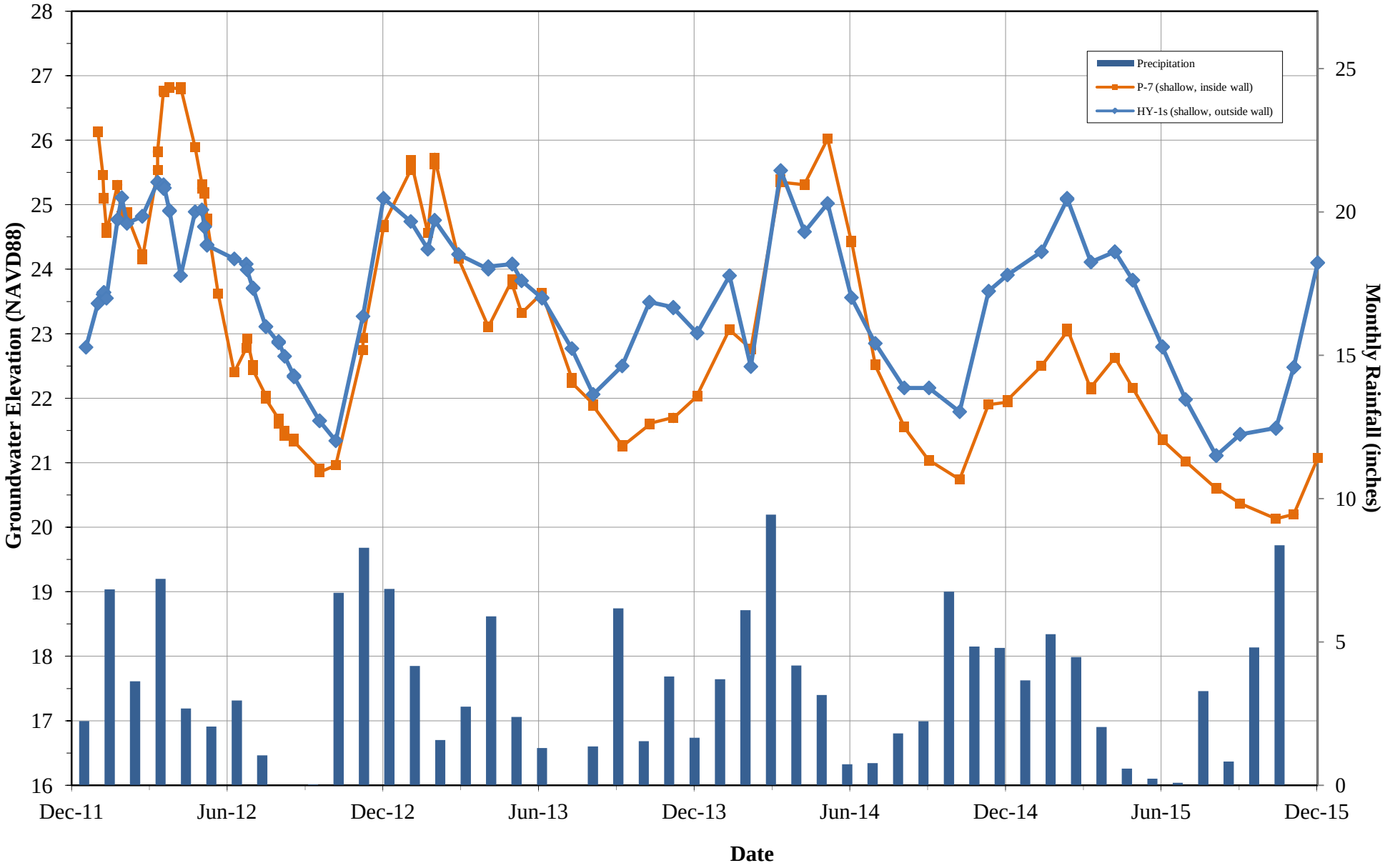
Hydrograph -- Piezometer P-7 and Well HY-1s
BSB Property, Kent, Washington



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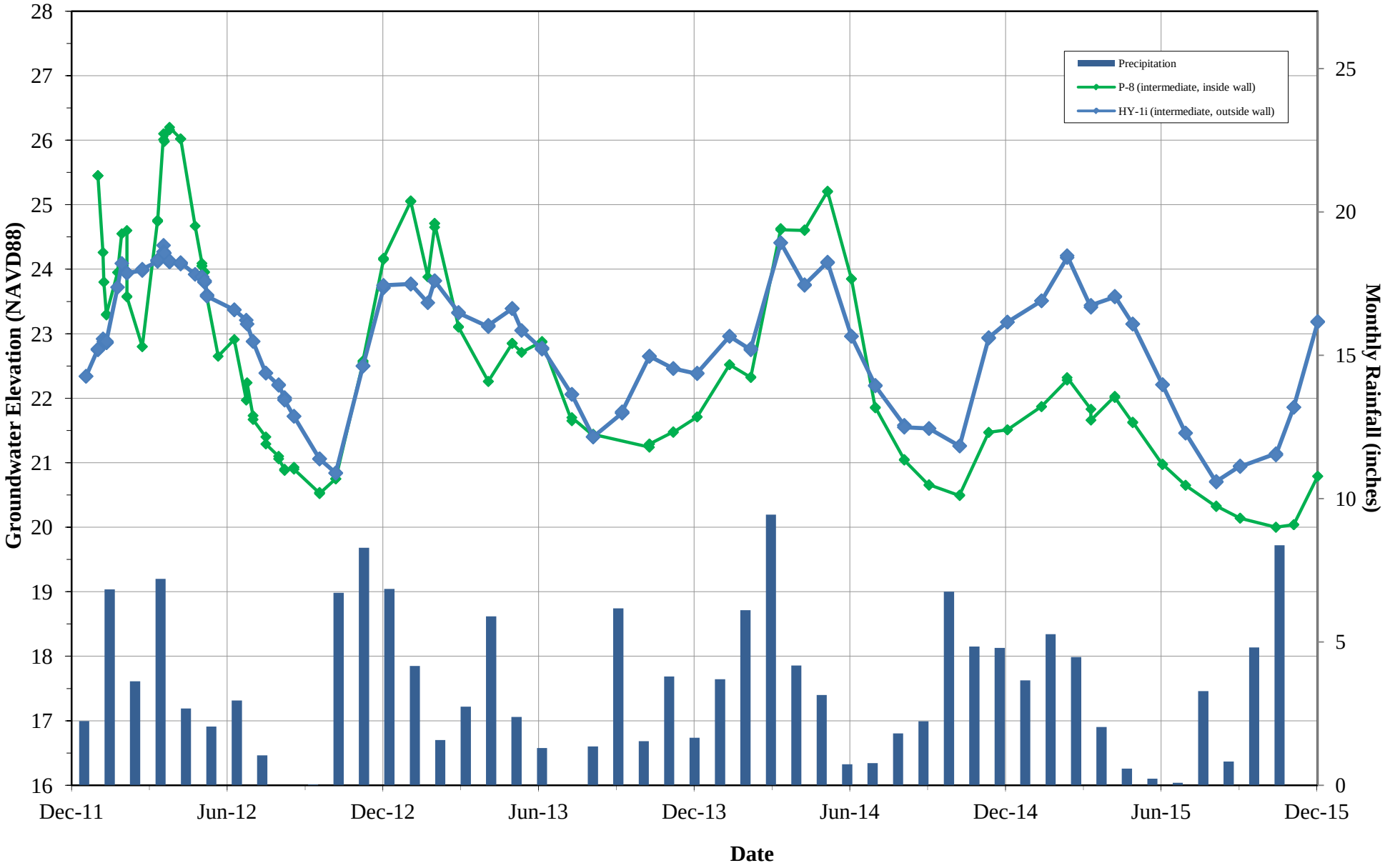
Hydrograph -- Piezometer P-8 and Well HY-1i
BSB Property, Kent, Washington



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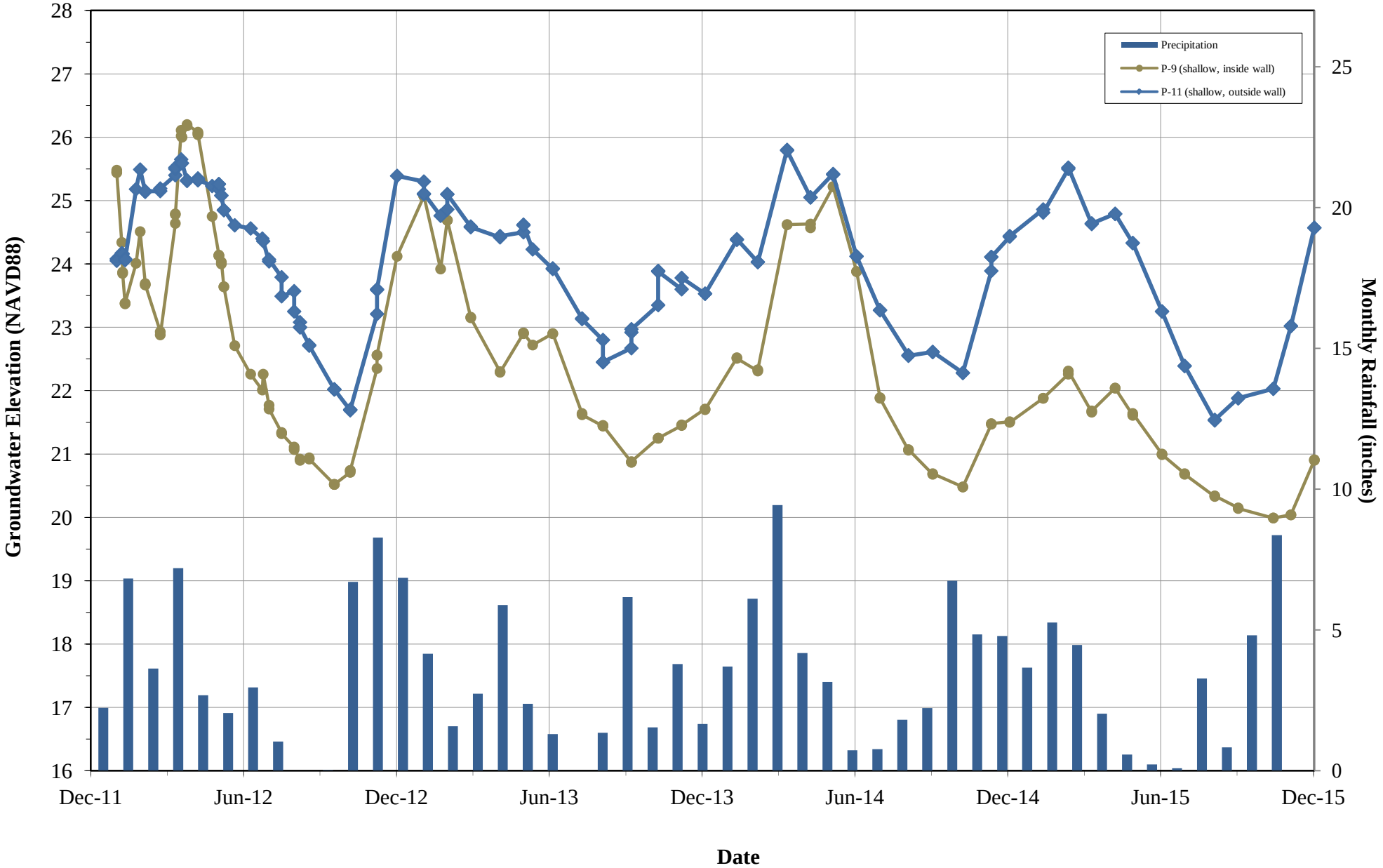
Hydrograph -- Piezometers P-9 and P-11
BSB Property, Kent, Washington



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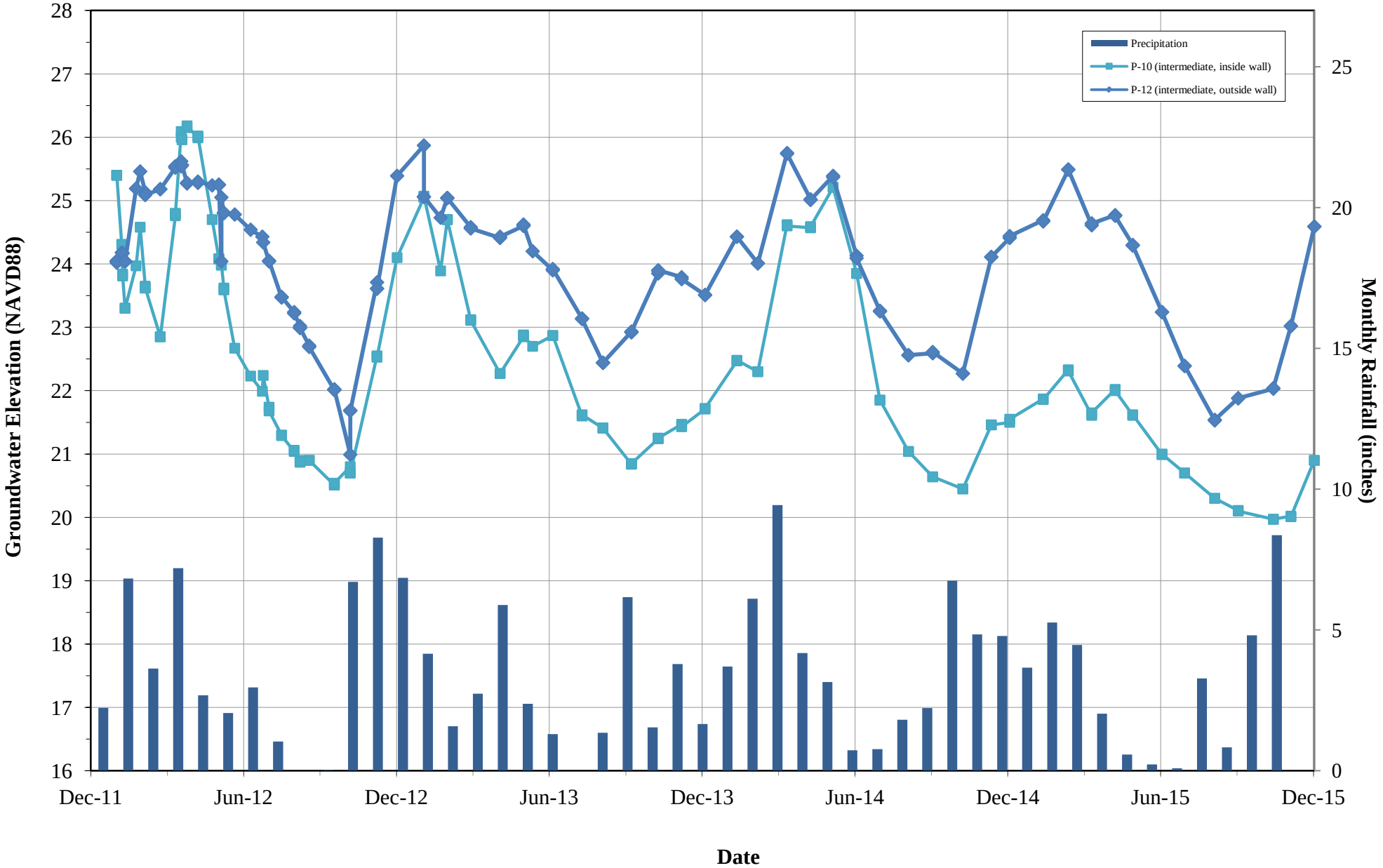
Hydrograph -- Piezometers P-10 and P-12
BSB Property, Kent, Washington



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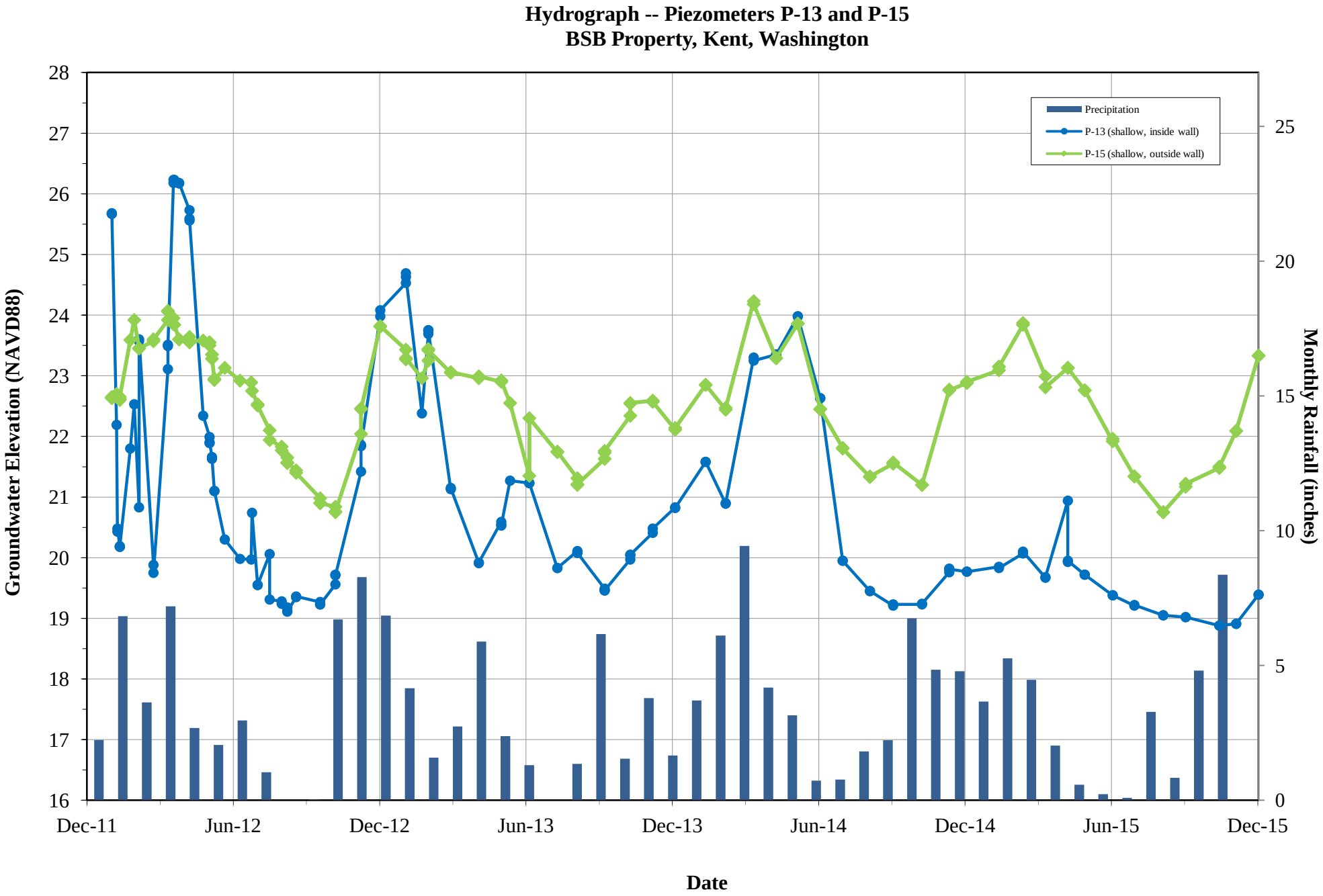

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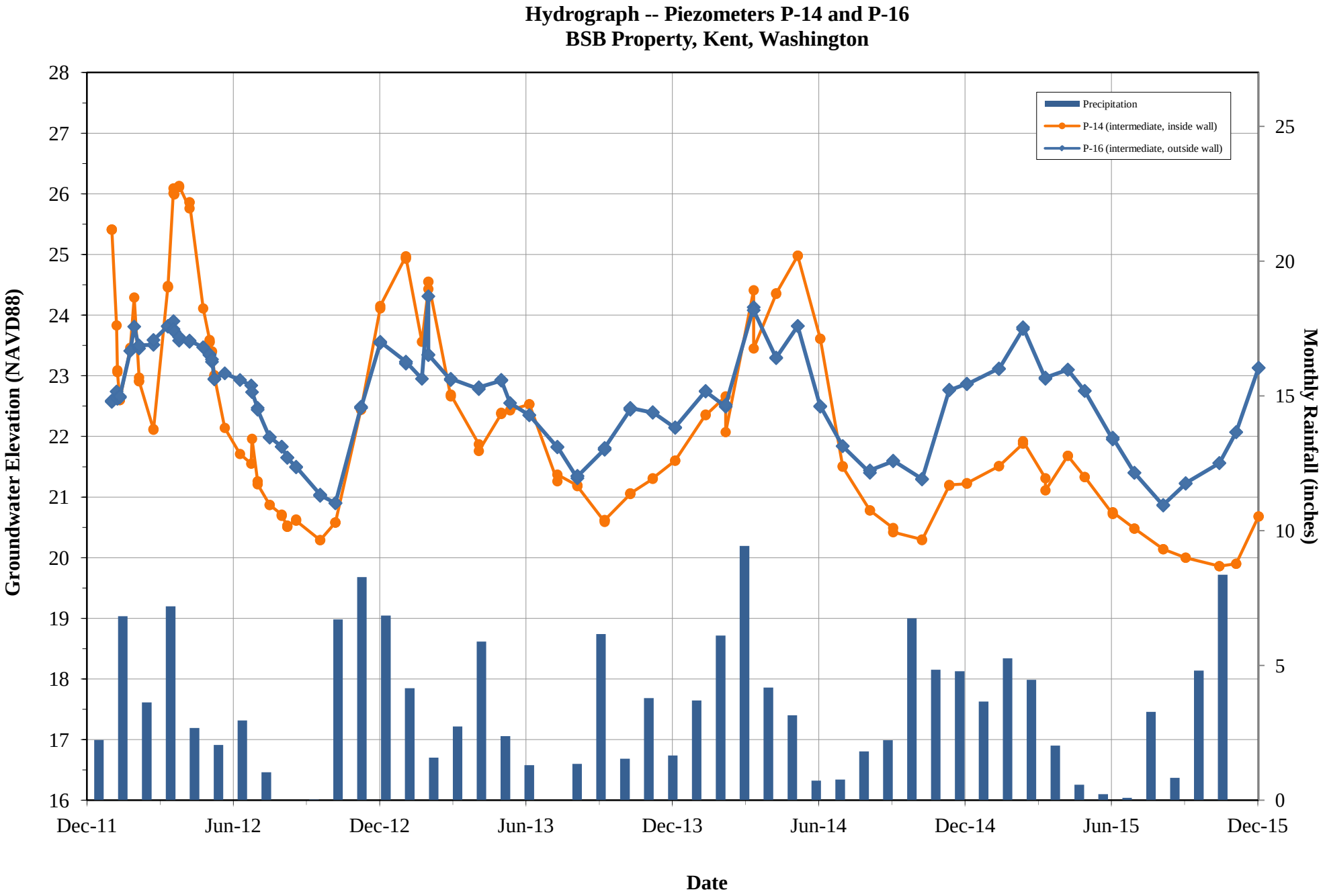

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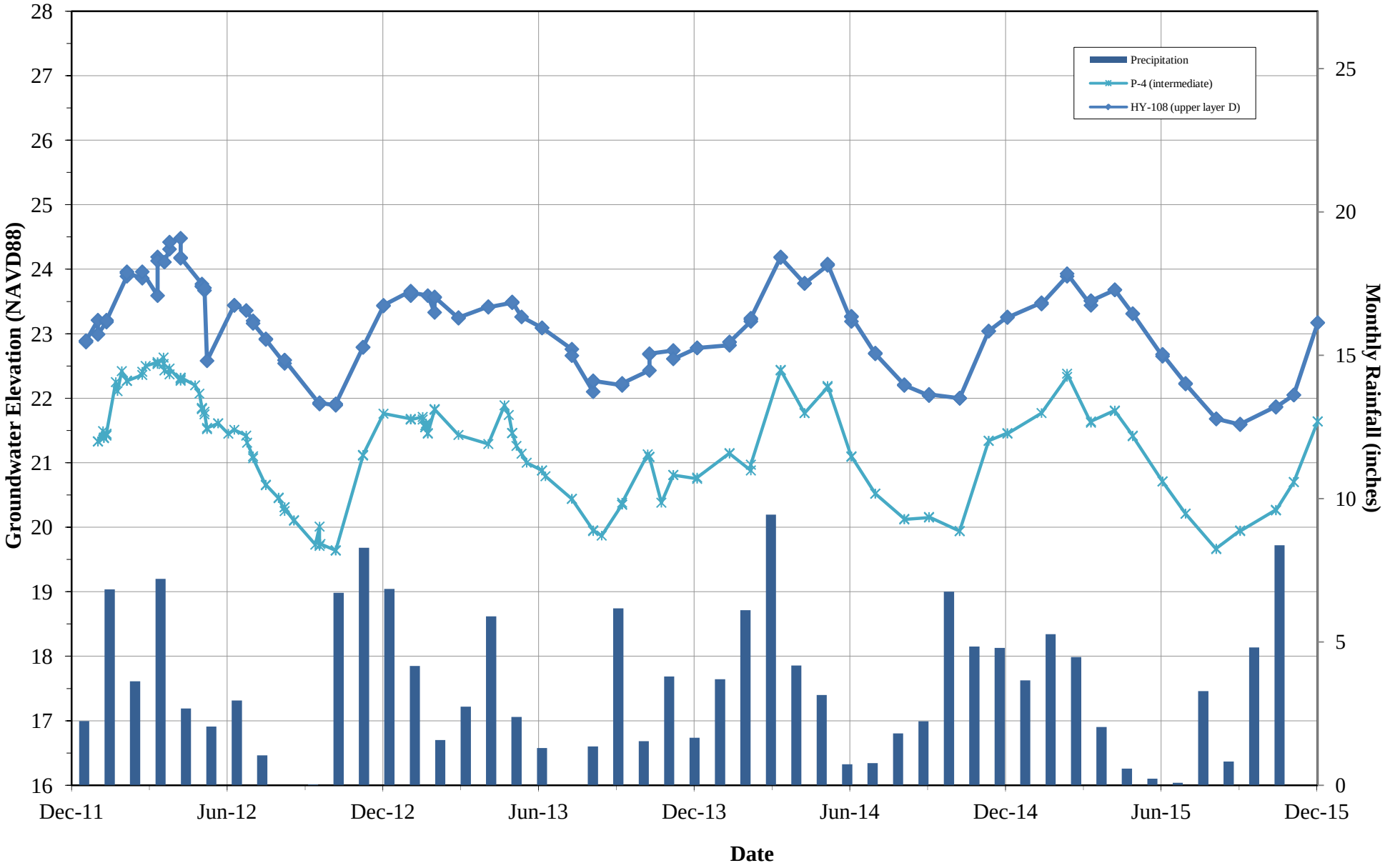
Hydrograph -- Piezometer P-4 and Well HY-108
BSB Property, Kent, Washington



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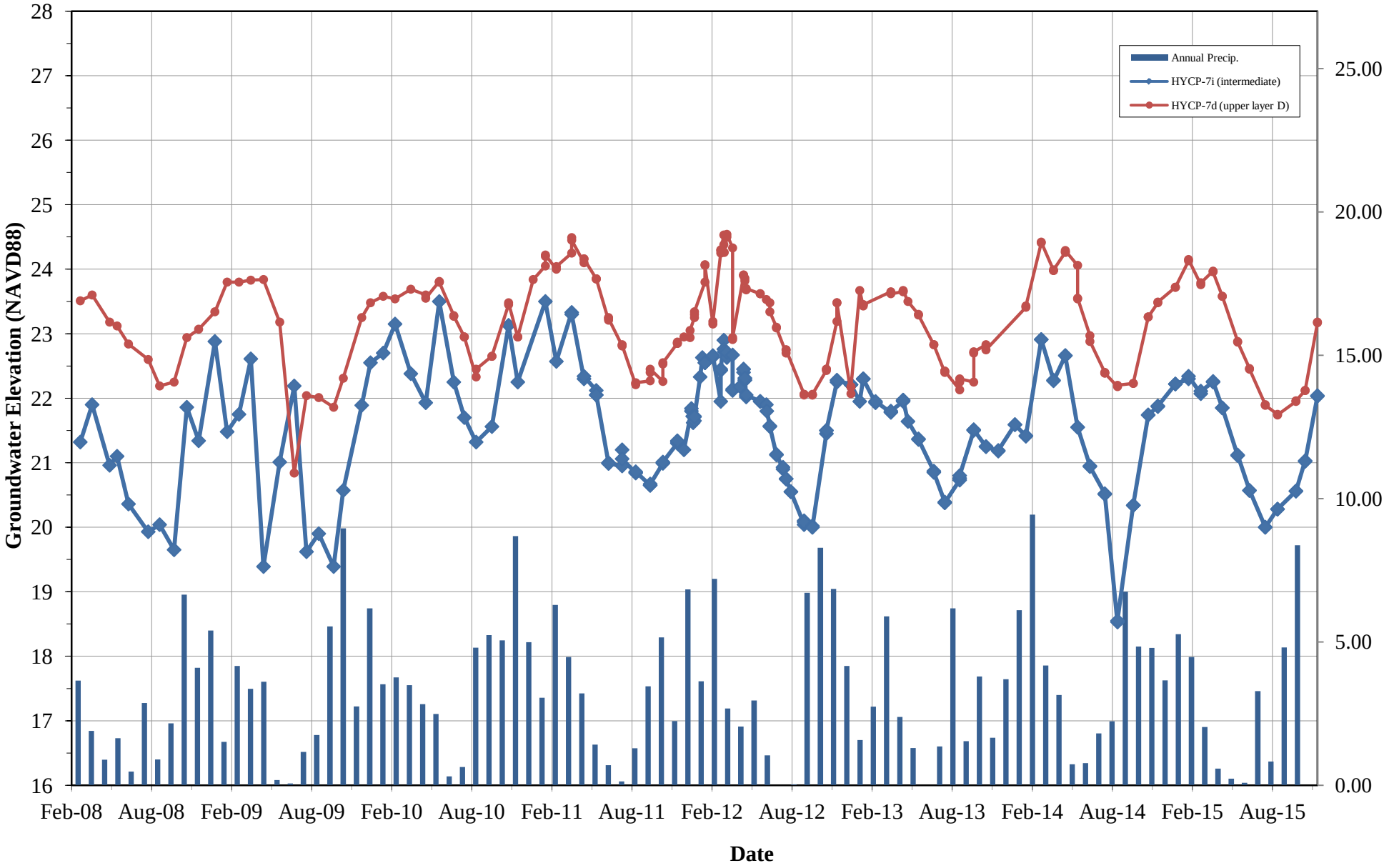
Hydrograph -- Wells HYCP-7i and HYCP-7d
BSB Property, Kent, Washington



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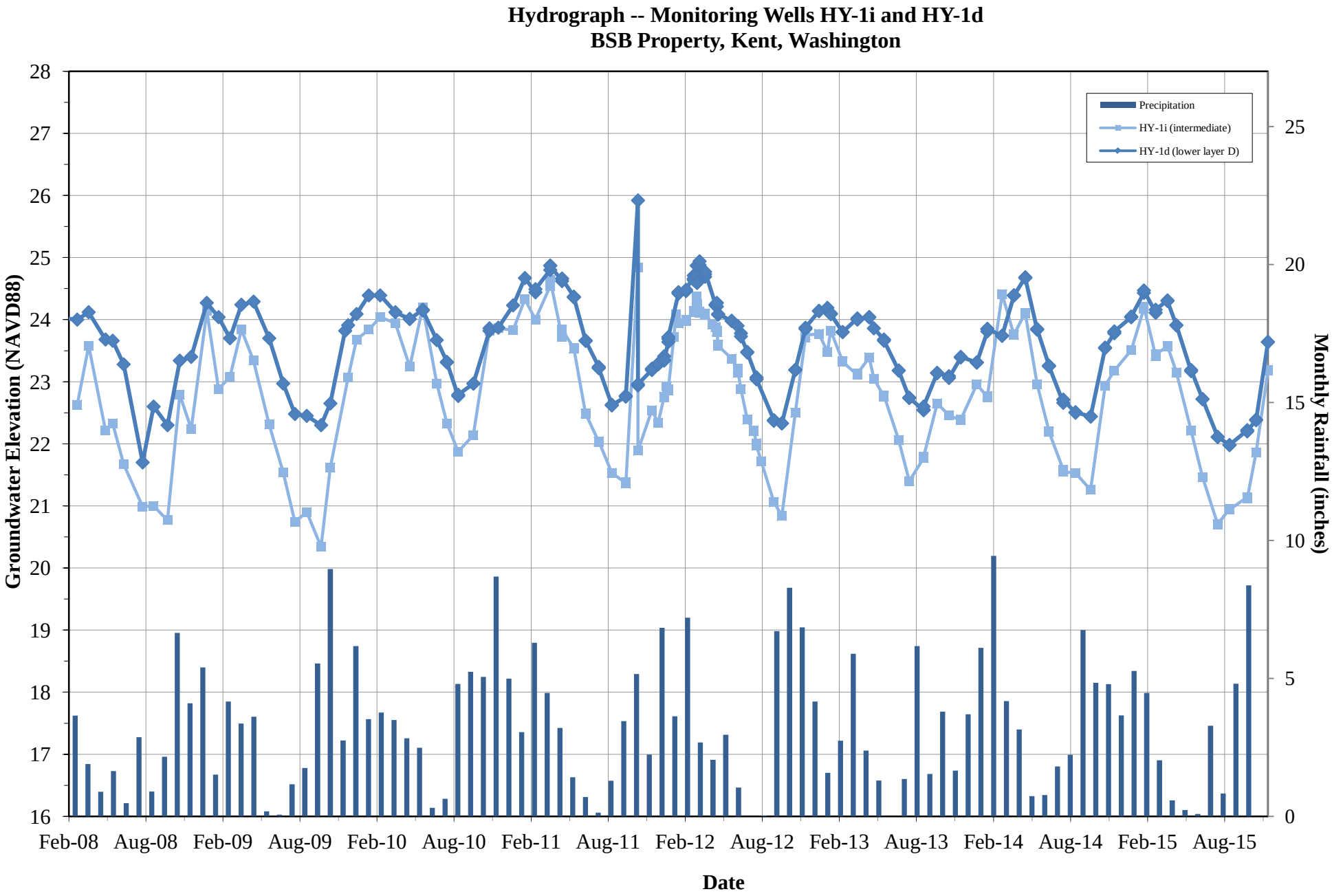

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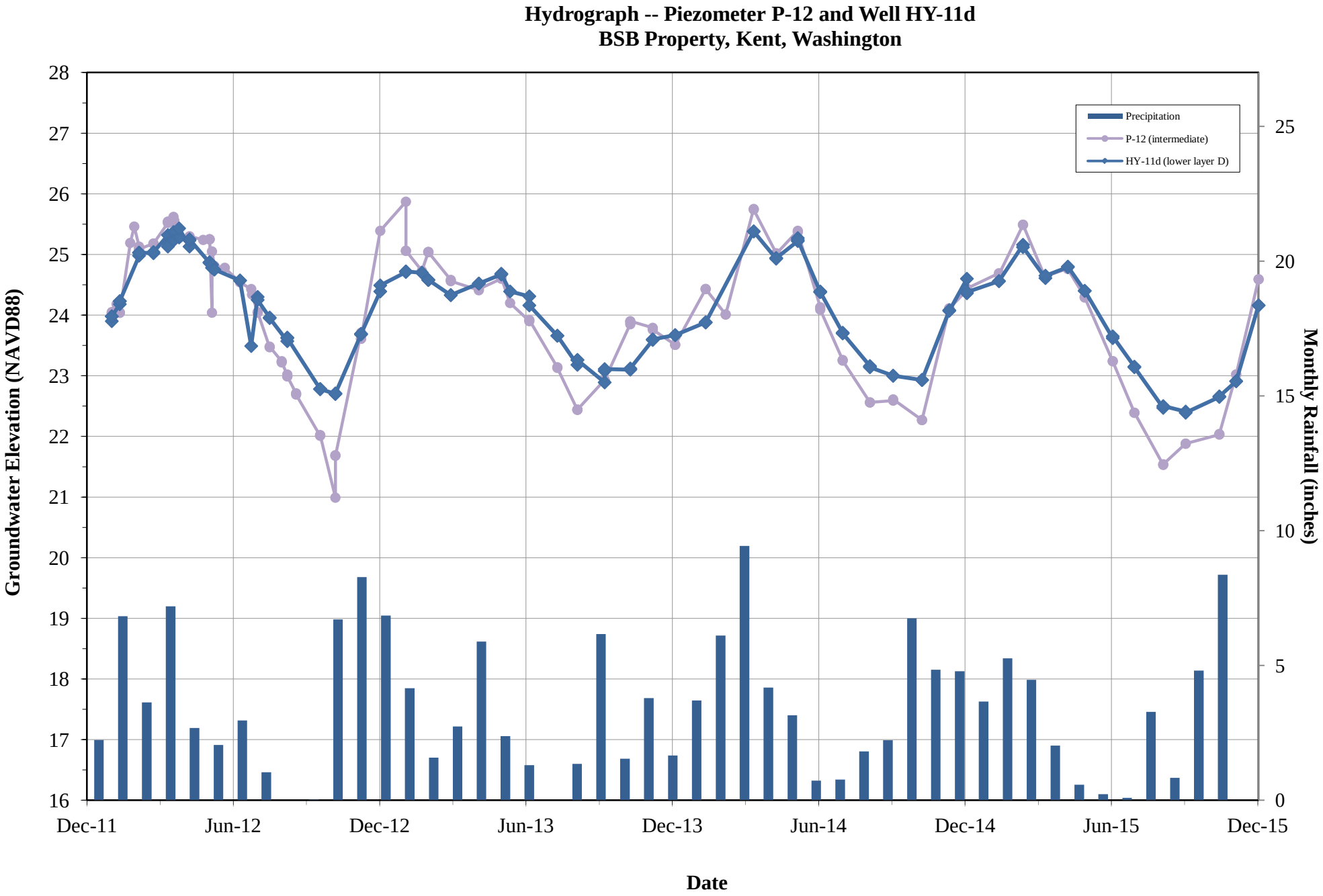

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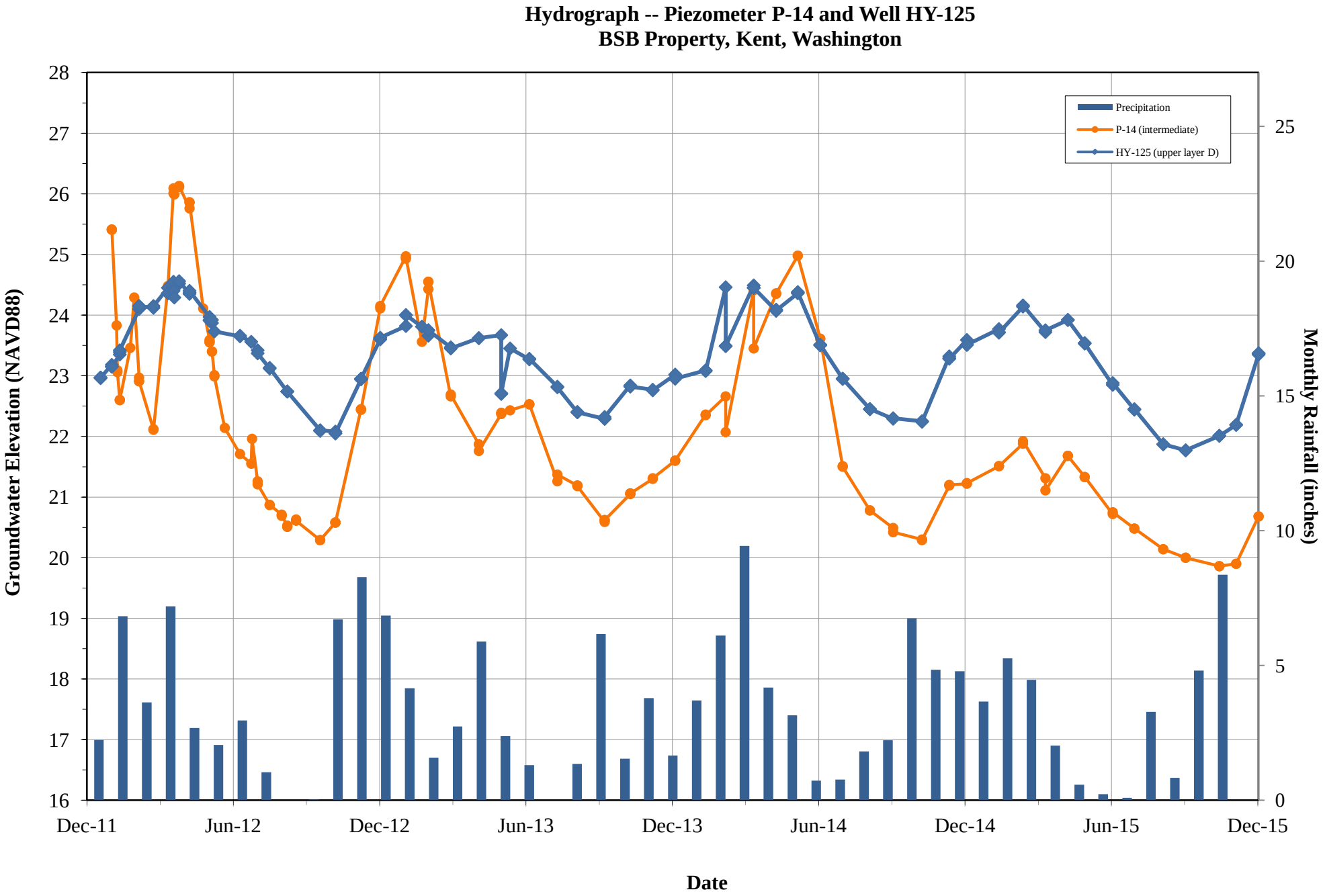

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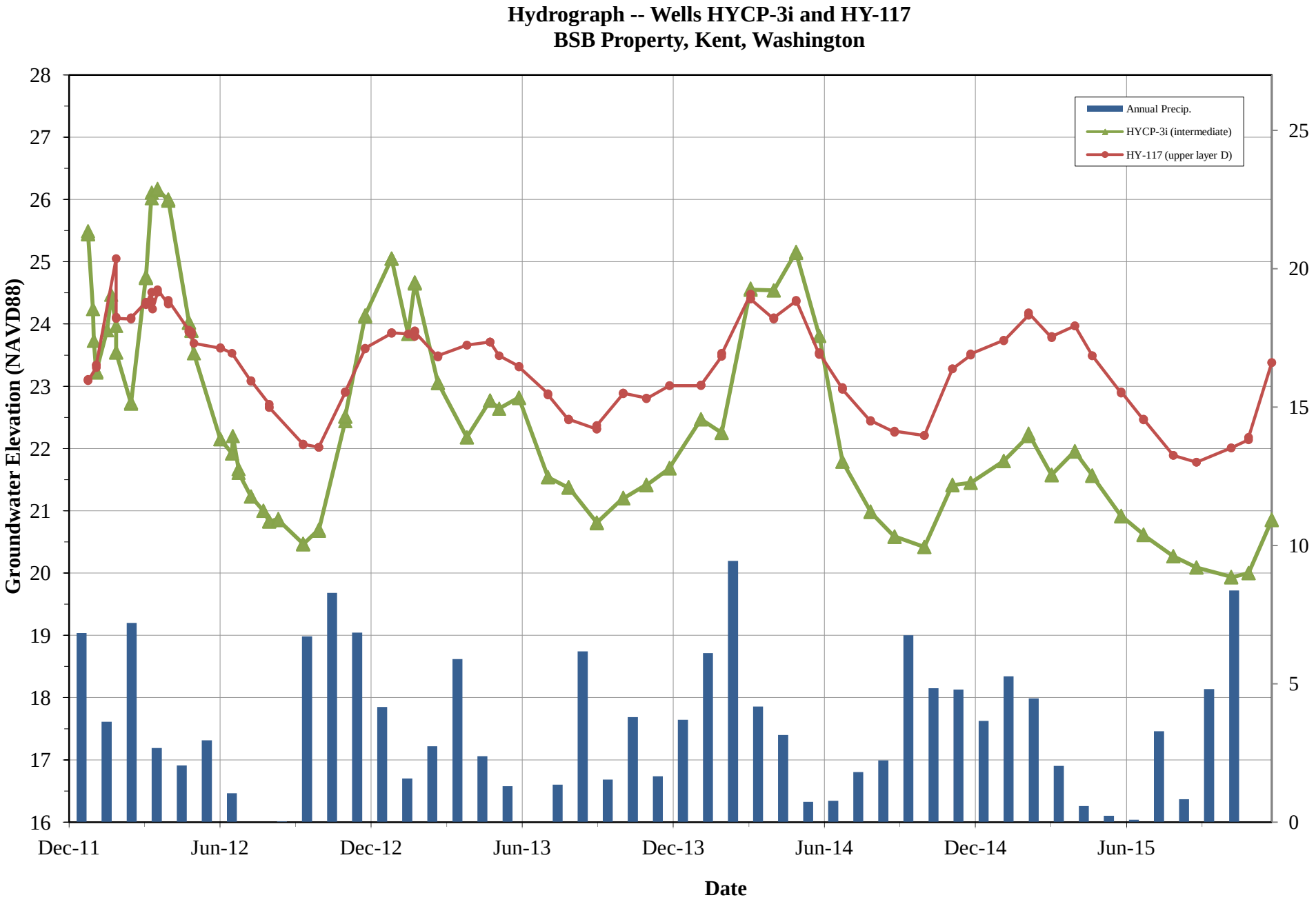

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ATTACHMENT C
Groundwater Chemistry Data and HVOC Time Trend Plots

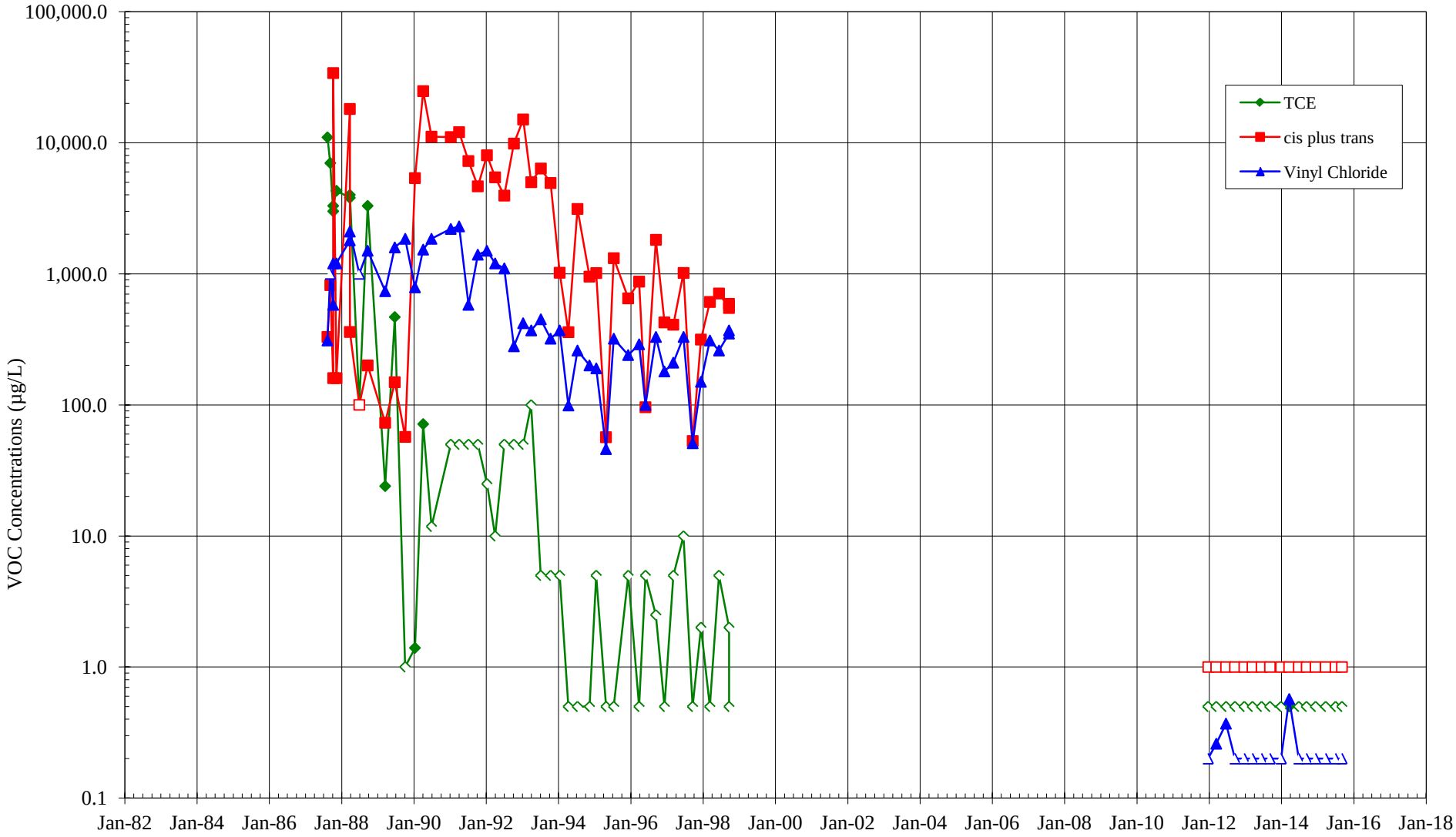
Groundwater Chemistry Data
Well Gs
BSB Property, Kent, Washington

Site	Date	Note	Vinyl Chloride µg/L	Methylene Chloride µg/L	trans-1,2-Dichloro-ethene µg/L	cis+trans	cis-1,2-Dichloro-ethene µg/L	1,1-Di-chloro-ethene µg/L	1,1-Di-chloro-ethane µg/L	1,2-Di-chloro-ethane µg/L	1,1,1-Tri-chloro-ethane µg/L	Tri-Chloro-ethene µg/L	Tetra-chloro-ethene µg/L	Toluene µg/L	Ethyl-benzene µg/L	total Xylenes µg/L	Benzene µg/L	total VOCs µg/L	dissolved Arsenic mg/L	total Cyanide mg/L
Gs	08/11/87		310	5 U	330	330		290	4	1 U	1 U	11000	1 U	1 U	1 U	1 U		11,934	0.01	0.005 U
Gs	09/09/87		1000 U	500 U	820	820		100 U	100 U	100 U	100 U	7000	100 U	100 U	100 U	100 U		7,820	0.005	0.005 U
Gs	10/08/87		580	5 U	160	160		86	4	1 U	1 U	3000	1 U	10	1	4	1 U	3,845	0.005 U	0.005 U
Gs	10/08/87	Split	1200	3.3 U	34000	34000		90	2 U	2.3 U	1.6 U	3300	1.2 U	12	1.5 J	5.7	1.7 U	38,609		
Gs	11/10/87		1200	8	160	160		120	3	1 U	1 U	4300	1 U	9	1 U	1	1 U	5,801	0.006	0.005 U
Gs	03/24/88		1800	500 U	100	18100	18000	100 U	100 U	100 U	100 U	3800	100 U	100 U	100 U	100 U		23,700	0.005 U	0.005 U
Gs	03/24/88	Dupl	2100	500 U	180	360	180	100 U	100 U	100 U	100 U	4000	100 U	100 U	100 U	100 U		6,460	0.005 U	0.005 U
Gs	06/28/88		1000 U	500 U	100 U	100		100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U		ND	0.005 U	0.008
Gs	09/20/88		1500	5 U	200	200		340	4	17	1 U	3300	360	10	1	2		5,734	0.005 U	0.005 U
Gs	03/16/89		737	1 U	73	73		71	1 U	1 U	1 U	24	1 U	1 U	1 U	2 U		905	0.005 U	0.01 U
Gs	06/21/89		1590		149	149		127	1 U	1 U	1 U	468	2 U	6.8	1 U	2 U	1 U	2,341	0.005 U	0.01 U
Gs	10/05/89		1850	1 U	57	57		67	1.3	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1,975	0.005 U	0.01 U
Gs	01/11/90		788	1 U	43	5373	5330	43	1 U	1 U	1 U	1.4	1 U	1 U	1 U	1 U	1 U	6,205	0.005	0.01 U
Gs	04/04/90		1530	2 U	153	24753	24600	105	0.8	0.5 U	0.5 U	71.4	0.5 U	1.7	0.5 U	1 U	0.5 U	26,462	0.005 U	0.01 U
Gs	06/27/90		1850	2 U	125	11125	11000	114	0.6	1 U	7.2	11.8 U	0.5 U	1.9	0.5 U	1 U	0.5 U	13,099	0.005 U	0.01 U
Gs	01/08/91		2200	100 U	50 U	11050	11000	25 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	13,200	0.005 U	0.01 U
Gs	04/02/91		2300	200 U	50 U	12050	12000	50 U	50 U	50 U	50 U	50 U	50 U	100 U	100 U	100 U	50 U	14,300	0.005 U	0.01 U
Gs	07/05/91		580	200 U	50 U	7250	7200	50 U	50 U	50 U	50 U	50 U	50 U	100 U	100 U	100 U	50 U	7,780	0.005 U	0.01 U
Gs	10/08/91		1400	200 U	50 U	4650	4600	50 U	50 U	50 U	50 U	50 U	50 U	100 U	100 U	100 U	50 U	6,000	0.005 U	0.01 U
Gs	01/08/92		1500	50 U	25 U	8025	8000	25 U	25 U	25 U	25 U	25 U	25 U	50 U	50 U	50 U	25 U	9,500	0.005 U	0.01 U
Gs	03/31/92		1200	100 U	45	5445	5400	23	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	6,668	0.005 U	0.01 U
Gs	07/02/92		1100	500 U	50 U	3950	3900	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	5,000	0.005 U	0.01 U
Gs	10/07/92		280	200 U	50 U	9850	9800	50 U	50 U	50 U	50 U	50 U	50 U					10,080	0.007	0.01 U
Gs	01/08/93		420	200 U	50 U	15050	15000	50 U	50 U	50 U	50 U	50 U	50 U	100 U	100 U	100 U	50 U	15,420	0.006	0.01 U
Gs	03/31/93		370	400 U	100 U	5000	4900	100 U	100 U	100 U	100 U	100 U	100 U	200 U	200 U	200 U	100 U	5,270	0.007	0.01 U
Gs	07/06/93		450	50 U	55	6355	6300	15	6	5 U	5 U	5 U	5 U	10 U	10 U	10 U	5 U	6,826	0.009	0.01 U
Gs	10/12/93		320	50 U	31	4931	4900	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U	10 U	5 U	5,251	0.006	0.01 U
Gs	01/12/94		370	20 U	19	1019	1000	6.1	5 U	5 U	5 U	5 U	5 U	10 U	10 U	10 U	5 U	1,395	0.005 U	0.01 U
Gs	04/11/94		99	2 U	3.9	358.9	355	0.8	1	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	460	0.007	0.01 U
Gs	07/11/94		260	2 U	24.4	3124.4	3100	5	2.2	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	3,392	0.007	0.01 U
Gs	11/09/94		200	2 U	12	952	940	3.2	2.1	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	1,157	0.006	0.01 U
Gs	01/17/95		190	20 U	13	1013	1000	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U	10 U	5 U	1,203	0.006	0.01 U
Gs	04/25/95		46	2 U	0.7	56.7	56	0.5 U	1.2	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	104	0.005	0.01 U
Gs	07/13/95		320	5 U	16	1316	1300	4.2	3	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	1,639	0.007	0.01 U
Gs	12/05/95		240	20 U	9.7	649.7	640	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U	10 U	5 U	890	0.008	0.01 U
Gs	03/25/96		290	2 U	12	872	860	3.5	3.1	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	1,169	0.006	0.01 U
Gs	05/28/96		100	20 U	5 U	96	91	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U	10 U	5 U	191	0.006	0.01 U
Gs	09/11/96		330	10 U	17	1817	1800	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U	5 U	5 U	2.5 U	2,152	0.006	0.01 U
Gs	12/05/96		180	2 U	5.7	425.7	420	1.4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	607	0.009	0.01 U
Gs	03/05/97		210	20 U	9	409	400	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U	10 U	5 U	619	0.009	0.01 U
Gs	06/17/97		330	40 U	15	1015	1000	10 U	10 U	10 U	10 U	10 U	10 U	1 U	1 U	1 U	0.5 U	1,345	0.006	0.01 U
Gs	09/17/97		51	5 U	1	53	52	0.5 U	0.7	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	105	0.008	0.01 U
Gs	12/09/97		150	25 U	5	315	310	2 U	2 U	2 U	2 U	2 U	2 U	5 U	5 U	5 U	2 U	465	0.009	0.01 U
Gs	03/10/98		310	5 U	9.8	609.8	600	2.2	3	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	925	0.01	0.01 U
Gs	06/10/98		260	50 U	7.8	707.8	700	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U	10 U	5 U	968	0.008	0.01 U
Gs	09/19/98		350	25 U	8.6	548.6	540	2 U	2.5	2 U	2 U	2 U	2 U	5 U	5 U	5 U	2 U	901	0.007	0.01 U
Gs	09/19/98	Dupl	370	5 U	9.8	589.8	580	2.1	2.6	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	965	0.008	0.01 U
Gs	12/21/11		0.2 U	1.0 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	ND	NA	NA
Gs	03/12/12		0.260	1.0 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	0.260	NA	NA
Gs	06/18/12		0.370	1.0 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	0.370	NA	NA
Gs	09/17/12		0.2 U	1.0 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	ND	NA	NA
Gs	12/21/12		0.2 U	1.0 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	ND	NA	NA
Gs	03/13/13		0.2 U	1.0 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	ND	NA	NA
Gs	06/12/13		0.2 U	1.0 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	ND	NA	NA
Gs	09/06/13		0.2 U	1.0 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	ND	NA	NA

Groundwater Chemistry Data
Well Gs
BSB Property, Kent, Washington

Site	Date	Note	Vinyl Chloride µg/L	Methylene Chloride µg/L	trans-1,2-Dichloro-ethene µg/L	cis+trans	cis-1,2-Dichloro-ethene µg/L	1,1-Di-chloro-ethene µg/L	1,1-Di-chloro-ethane µg/L	1,2-Di-chloro-ethane µg/L	1,1,1-Tri-chloro-ethane µg/L	Tri-Chloro-ethene µg/L	Tetra-chloro-ethene µg/L	Toluene µg/L	Ethyl-benzene µg/L	total Xylenes µg/L	Benzene µg/L	total VOCs µg/L	dissolved Arsenic mg/L	total Cyanide mg/L
Gs	12/26/13		0.2 U	1.0 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	ND	NA	NA
Gs	03/19/14		0.570	1.0 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	0.570	NA	NA
Gs	06/24/14		0.2 U	1.0 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	ND	NA	NA
Gs	09/10/14		0.2 U	1.0 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	ND	NA	NA
Gs	12/10/14		0.2 U	1.0 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	ND	NA	NA
Gs	03/23/15		0.2 U	1.0 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	ND	NA	NA
Gs	06/29/15		0.2 U	1.0 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	ND	NA	NA
Gs	09/02/15		0.2 U	1.0 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	ND	NA	NA

Groundwater Chemistry - Well Gs
BSB Property, Kent, Washington



Notes: 1. All results detected below the MRLs are shown as hollow data points .
2. Site Cleanup Levels: TCE = 30 µg/L, cDCE = 70 µg/L, and Vinyl Chloride = 0.2 µg/L.
3. The original CMS (activated in August 1992) was replaced with a soil-bentonite cutoff wall in October 2011.

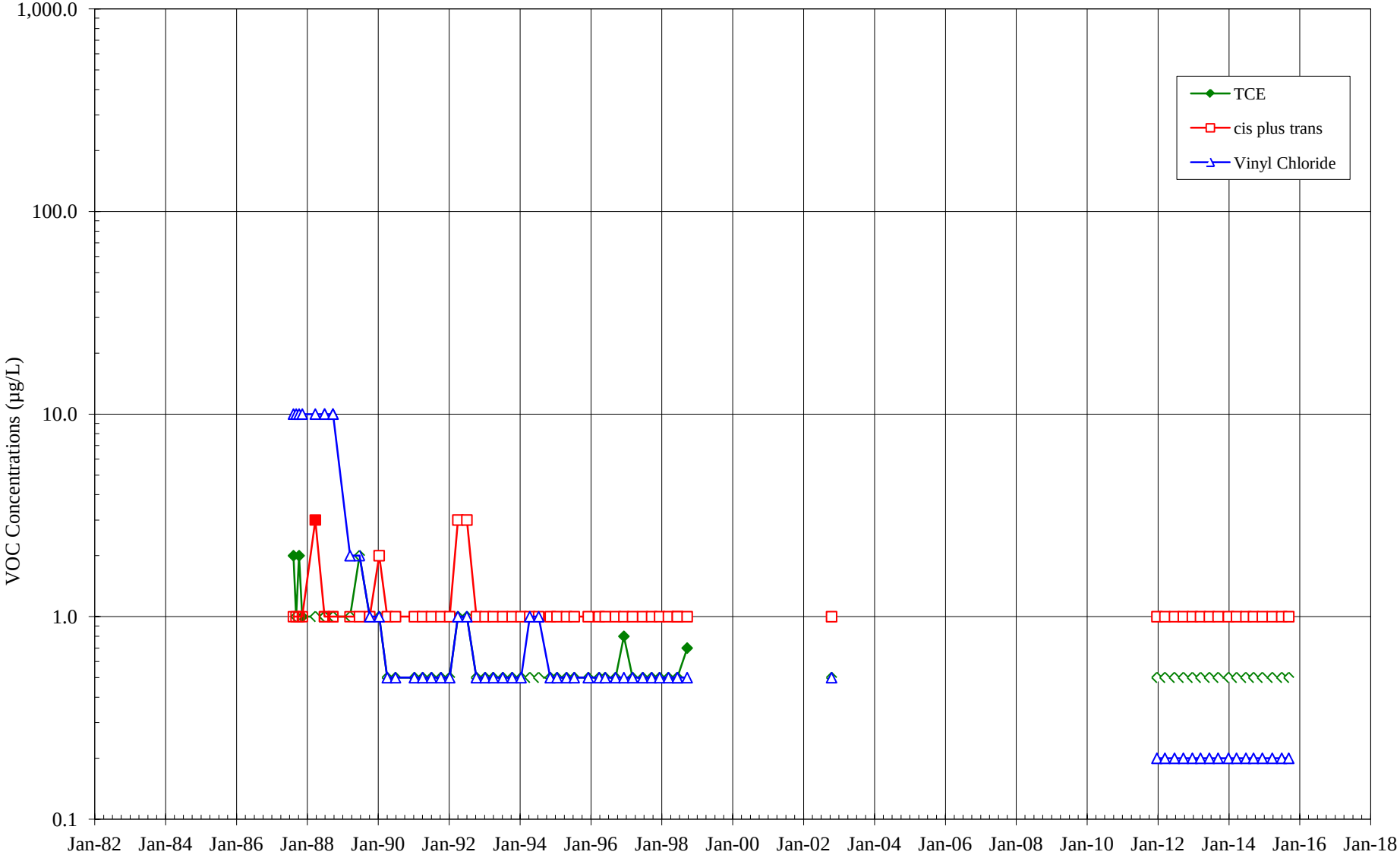
Groundwater Chemistry Data
Well Hs
BSB Property, Kent, Washington

Site	Date	Note	Vinyl Chloride µg/L	Methylene Chloride µg/L	trans-1,2-Dichloro-ethene µg/L	cis+trans	cis-1,2-Dichloro-ethene µg/L	1,1-Di-chloro-ethene µg/L	1,1-Di-chloro-ethane µg/L	1,2-Di-chloro-ethane µg/L	1,1,1-Tri-chloro-ethane µg/L	Tri-chloro-ethene µg/L	Tetra-chloro-ethene µg/L	Toluene µg/L	Ethyl-benzene µg/L	total Xylenes µg/L	Benzene µg/L	total VOCs µg/L	dissolved Arsenic mg/L	total Cyanide mg/L
Hs	08/11/87		10 U	5 U	1 U	1		1 U	16	1 U	1 U	2	1 U	1 U	1 U	1 U		18.0	0.005 U	0.005 U
Hs	09/08/87		10 U	5 U	1 U	1		1 U	13	1 U	1 U	1 U	1 U	1 U	1 U	1 U		13.0	0.005 U	0.005 U
Hs	10/08/87		10 U	5 U	1 U	1		1 U	13	1 U	1 U	2	1 U	1 U	1 U	1 U	1 U	15.0	0.005 U	0.005 U
Hs	11/10/87		10 U	5 U	1 U	1		1 U	12	1 U	1 U	1	1 U	1 U	1 U	1 U		13.0	0.005 U	0.005 U
Hs	03/23/88		10 U	5 U	1 U	3	2	1 U	10	1 U	1 U	1 U	1 U	1 U	1 U	1 U		12.0	0.005 U	0.005 U
Hs	06/27/88		10 U	5 U	1 U	1		1 U	16	1 U	1 U	1 U	1 U	1 U	1 U	1 U		16.0	0.005 U	0.005 U
Hs	06/27/88	Dupl	10 U	5 U	1 U	1		1 U	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U		5.00		
Hs	09/21/88		10 U	5 U	1 U	1		1 U	20	1 U	1 U	1 U	1 U	1 U	1 U	1 U		20.0	0.005 U	0.005 U
Hs	09/21/88	Dupl	10 U	5	1 U	1		5 U	8	1 U	1 U	1 U	1 U	1 U	1 U	1 U		13.0	0.005 U	0.005 U
Hs	03/16/89		2 U	1 U	1 U	1		1 U	1.8	1 U	4.1	1 U	1 U	1 U	1 U	2 U		5.90	0.005 U	0.01 U
Hs	06/22/89		2 U		1 U	1		1 U	1 U	1 U	1 U	2 U	2 U	1 U	1 U	2 U	1 U	ND	0.005 U	0.01 U
Hs	10/05/89		1 U	1 U	1 U	1		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	ND	0.005 U	0.01 U
Hs	01/10/90		1 U	1 U	1 U	2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	ND	0.005 U	0.01 U
Hs	04/04/90		0.5 U	2 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	ND	0.005 U	0.01 U
Hs	06/27/90		0.5 U	2 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	ND	0.005 U	0.01 U
Hs	01/08/91		0.5 U	2 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	ND	0.005 U	0.01 U
Hs	04/03/91		0.5 U	2 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4	1 U	1 U	2.8	0.5 U	6.80	0.005 U	0.01 U
Hs	07/03/91		0.5 U	2 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	ND	0.005 U	0.01 U
Hs	10/09/91		0.5 U	2 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	ND	0.005 U	0.01 U
Hs	01/07/92		0.5 U	2 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	ND	0.005 U	0.01 U
Hs	03/31/92		1 U	10 U	1 U	3	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	ND	0.005 U	0.01 U
Hs	07/02/92		1 U	10 U	1 U	3	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	ND	0.005 U	0.01 U
Hs	10/08/92		0.5 U	2 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U					ND	0.005 U	0.01 U
Hs	01/06/93		0.5 U	2 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	ND	0.005 U	0.01 U
Hs	03/31/93		0.5 U	3	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	3.00	0.005 U	0.01 U
Hs	07/07/93		0.5 U	9	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1	1 U	1 U	0.5 U	10	0.005 U	0.01 U
Hs	10/12/93		0.5 U	2 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	ND	0.005 U	0.01 U
Hs	01/11/94		0.5 U	2 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	ND	0.005 U	0.01 U
Hs	04/11/94		1 U	2 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	ND	0.005 U	0.01 U
Hs	07/12/94		1 U	2 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1	1 U	1 U	0.5 U	1.00	0.005 U	0.01 U
Hs	11/08/94		0.5 U	2 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	ND	0.005 U	0.01 U
Hs	01/17/95		0.5 U	2 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	ND	0.005 U	0.01 U
Hs	04/25/95		0.5 U	2 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	ND	0.005 U	0.01 U
Hs	07/13/95		0.5 U	5 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	ND	0.005 U	0.01 U
Hs	12/05/95		0.5 U	2 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	ND	0.005 U	0.01 U
Hs	03/26/96		0.5 U	2 U	0.5 U	1	0.5 U	0.5 U	3.5	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	3.50	0.005 U	0.01 U
Hs	05/28/96		0.5 U	2 U	0.5 U	1	0.5 U	0.5 U	0.6	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	0.60	0.005 U	0.01 U
Hs	09/11/96		0.5 U	2 U	0.5 U	1	0.5 U	0.5 U	1.7	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	1.70	0.005 U	0.01 U
Hs	12/06/96		0.5 U	2 U	0.5 U	1	0.5 U	0.5 U	2.3	0.5 U	0.5 U	0.8	0.5 U	1 U	1 U	1 U	0.5 U	3.10	0.005 U	0.01 U
Hs	03/05/97		0.5 U	2 U	0.5 U	1	0.5 U	0.5 U	1.7	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	1.70	0.005 U	0.01 U
Hs	06/18/97		0.5 U	2 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	ND	0.005 U	0.01 U
Hs	09/18/97		0.5 U	5 U	0.5 U	1	0.5 U	0.5 U	1.1	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	1.10	0.005 U	0.01 U
Hs	12/09/97		0.5 U	5 U	0.5 U	1	0.5 U	0.5 U	1.5	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	1.50	0.005 U	0.01 U
Hs	03/10/98		0.5 U	5 U	0.5 U	1	0.5 U	0.5 U	1.8	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	1.80	0.005 U	0.01 U
Hs	06/10/98		0.5 U	5 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	ND	0.005 U	0.01 U
Hs	06/10/98	Dupl	0.5 U	5 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	ND	0.005 U	0.01 U
Hs	09/19/98		0.5 U	5 U	0.5 U	1	0.5 U	0.5 U	1.1	0.5 U	0.5 U	0.7	0.5 U	1 U	1 U	1 U	0.5 U	1.80	0.005 U	0.01
Hs	10/16/02		0.5 U	2 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	ND	0.005 U	0.01 U
Hs	12/21/11		0.2 U	1 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	ND	NA	NA
Hs	03/12/12		0.2 U	1 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	ND	NA	NA
Hs	06/19/12		0.2 U	1 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	ND	NA	NA
Hs	09/18/12		0.2 U	1 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	ND	NA	NA
Hs	12/20/12		0.2 U	1 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	ND	NA	NA
Hs	03/14/13		0.2 U	1 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	ND	NA	NA

Groundwater Chemistry Data
Well Hs
BSB Property, Kent, Washington

Site	Date	Note	Vinyl Chloride µg/L	Methylene Chloride µg/L	trans-1,2-Dichloro-ethene µg/L	cis+trans	cis-1,2-Dichloro-ethene µg/L	1,1-Di-chloro-ethene µg/L	1,1-Di-chloro-ethane µg/L	1,2-Di-chloro-ethane µg/L	1,1,1-Tri-chloro-ethane µg/L	Tri-chloro-ethene µg/L	Tetra-chloro-ethene µg/L	Toluene µg/L	Ethyl-benzene µg/L	total Xylenes µg/L	Benzene µg/L	total VOCs µg/L	dissolved Arsenic mg/L	total Cyanide mg/L
Hs	06/13/13		0.2 U	1 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	ND	NA	NA
Hs	09/11/13		0.2 U	1 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	ND	NA	NA
Hs	12/27/13		0.2 U	1 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	ND	NA	NA
Hs	03/20/14		0.2 U	1 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	ND	NA	NA
Hs	06/25/14		0.2 U	1 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	ND	NA	NA
Hs	09/11/14		0.2 U	1 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	ND	NA	NA
Hs	12/11/14		0.2 U	1 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	ND	NA	NA
Hs	03/23/15		0.2 U	1 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	ND	NA	NA
Hs	06/29/15		0.2 U	1 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	ND	NA	NA
Hs	09/09/15		0.2 U	1 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	ND	NA	NA

Groundwater Chemistry - Well Hs
BSB Property, Kent, Washington



Notes: 1. All results detected below the MRLs are shown as hollow data points .
2. Site Cleanup Levels: TCE = 30 µg/L, cDCE = 70 µg/L, and Vinyl Chloride = 0.2 µg/L.
3. The original CMS (activated in August 1992) was replaced with a soil-bentonite cutoff wall in October 2011.

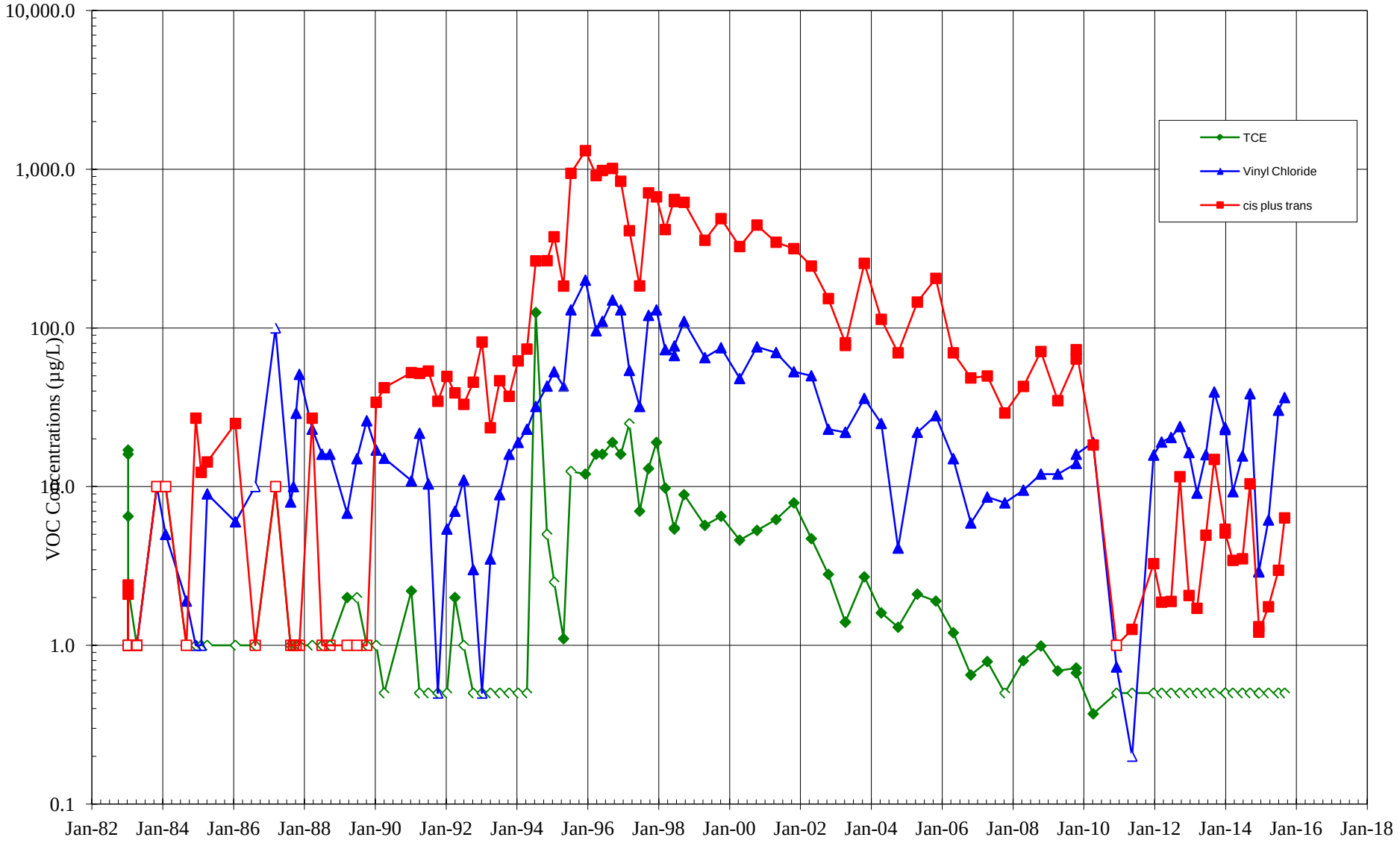
Groundwater Chemistry Data
Well HY-1s
BSB Property, Kent, Washington

Site	Date	Note	Vinyl Chloride µg/L	Methylene Chloride µg/L	trans-1,2-Dichloro-ethene µg/L	cis+trans	cis-1,2-Dichloro-ethene µg/L	1,1-Di-chloro-ethene µg/L	1,1-Di-chloro-ethane µg/L	1,2-Di-chloro-ethane µg/L	1,1,1-Tri-chloro-ethane µg/L	Tri-chloro-ethene µg/L	Tetra-chloro-ethene µg/L	Toluene µg/L	Ethyl-benzene µg/L	total Xylenes µg/L	Benzene µg/L	total VOCs µg/L	dissolved Arsenic mg/L	total Cyanide mg/L
HY-1s	01/10/83	A-repl.	1 U	6.1	1 U	1		31				17						54.1		
HY-1s	01/10/83	B-repl	1 U	5.6	2.4	2.4		21				16						45.0		
HY-1s	01/10/83	C-repl	1 U	4.9	2.1	2.1		21				6.5						34.5		
HY-1s	01/10/83	D-repl	1 U	3.5	1 U	1		18				2.3						23.8		
HY-1s	04/08/83	A-repl.	1 U	11	1 U	1		10				1 U						21.0		
HY-1s	04/08/83	B-repl	1 U	12	1 U	1		9				1 U						21.0		
HY-1s	04/08/83	C-repl	1 U	15	1 U	1		11				1 U						26.0		
HY-1s	04/08/83	D-repl	1 U	54	1 U	1		10				1 U						64.0		
HY-1s	11/02/83		10 U	10 U	10 U	10		10 U	10 U		10 U	10 U	10 U	1 U	1 U	1 U		ND		
HY-1s	01/31/84		5	10 U	10 U	10		10 U	10 U		10 U	10 U	10 U	1 U	1 U	1 U		5.00		
HY-1s	09/01/84		1.9	5 U	1 U	1		1 U	1 U		1 U	1 U	10 U	1 U	1 U	1 U		1.90		
HY-1s	12/08/84		1 U	5 U	27	27		1.5	1 U		1 U	1 U	1 U	1 U	1 U	1 U		28.5		
HY-1s	02/01/85		1 U	5 U	12.3	12.3		1 U	1 U		1 U	1 U	1 U	1 U	1 U	1 U		12.3		
HY-1s	04/05/85		9	5 U	14.3	14.3		1 U	1 U		1 U	1 U	1 U					23.3		
HY-1s	01/20/86		6	10 U	25	25		1 U	1 U		1 U	1 U	1 U	2	1 U	1 U		33.0		
HY-1s	08/11/86		10 U	1 U	1 U	1		1 U	1 U		1 U	1 U	1 U	1 U	1 U	1 U		ND		
HY-1s	03/10/87		100 U	50 U	10 U	10		10 U	10 U		10 U	10 U	10 U	10 U	10 U	10 U		ND		
HY-1s	08/12/87		8	5 U	1 U	1		1 U	1 U	5	1 U	1 U	1 U	1 U	1 U	1 U		13.0	0.009	0.006
HY-1s	09/10/87		10	5 U	1 U	1		1 U	1 U	3	1 U	1 U	1 U	1 U	1 U	1 U		13.0	0.013	0.005 U
HY-1s	10/08/87		29	5 U	1 U	1		1 U	1 U	4	1 U	1 U	1 U	1 U	1 U	1 U		33.0	0.012	0.005 U
HY-1s	11/10/87		51	5 U	1 U	1		11	2	5	12	1 U	1 U	1 U	1 U	1 U		81.0		
HY-1s	03/21/88		23	5 U	1 U	27	26	1 U	1 U	4	1 U	1 U	1 U	1 U	1 U	1 U		53.0	0.008	0.008
HY-1s	06/30/88		16	6	1 U	1		1 U	1 U	2	1 U	1 U	1 U	1 U	1 U	1 U		24.0	0.012	0.008
HY-1s	09/20/88		16	17	1 U	1		1 U	1.0	1.0	1 U	1 U	1 U	1 U	1 U	1 U		35.0	0.012	0.005 U
HY-1s	03/17/89		6.8	1 U	1 U	1		1 U	1 U	1 U	1 U	2	1 U	1 U	1 U	2 U		8.80	0.013	0.01 U
HY-1s	06/26/89		15		1 U	1		1 U	2.5	1 U	1 U	2 U	2 U	1 U	1 U	2 U	1 U	17.5	0.011	0.01 U
HY-1s	10/05/89		26	1 U	1 U	1		1 U	3.2	1.8	1 U	1 U	1 U	1 U	1 U	1 U	1 U	31.0	0.01	0.01 U
HY-1s	01/10/90		17	1 U	1 U	34	33	1 U	1 U	2.4	1 U	1 U	1 U	1.2	1 U	1	1 U	54.6	0.011	0.01 U
HY-1s	04/03/90		15.1	2 U	0.5 U	42	41.5	0.5 U	1	2.5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	60.1	0.011	0.01 U
HY-1s	01/08/91		10.9	2 U	0.5 U	52.3	51.8	0.5 U	1.6	3.1	0.5 U	2.2	0.5 U	1 U	1 U	1 U	0.5 U	69.6	0.012	0.01 U
HY-1s	04/02/91		21.7	2 U	0.5 U	51.7	51.2	0.5 U	2.8	1.9	0.5 U	0.5 U	0.5 U	1 U	1 U	2.4	0.5 U	80.0	0.012	0.02
HY-1s	07/02/91		10.4	2 U	0.5 U	53.5	53	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	3.7	1 U	1 U	0.5 U	67.1	0.007	0.01 U
HY-1s	10/08/91		0.5 U	2 U	0.5 U	34.5	34	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	34.0	0.005 U	0.01 U
HY-1s	01/09/92		5.4	2 U	0.5 U	49.5	49	0.5 U	3.2	2.8	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	60.4	0.01	0.01 U
HY-1s	04/01/92		7	10 U	1 U	39	38	1 U	3	3	1 U	2	1 U	1 U	1 U	1 U	1 U	53.0	0.01	0.01 U
HY-1s	07/01/92		11	10 U	1 U	33	32	1 U	2	3	1 U	1 U	1 U	1 U	1 U	1 U	1 U	48.0	0.008	0.01 U
HY-1s	10/07/92		3	2 U	0.5 U	45.5	45	0.5 U	2	0.5 U	0.5 U	0.5 U	0.5 U					50.0	0.008	0.01 U
HY-1s	01/06/93		0.5 U	2 U	0.5 U	81.5	81	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	81.0	0.009	0.01 U
HY-1s	04/01/93		3.5	2	0.5	23.5	23	0.5 U	2.4	1.6	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	33.0	0.008	0.01 U
HY-1s	07/06/93		8.9	8	1.5	46.5	45	0.5 U	5.9	1.8	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.7	71.8	0.008	0.01 U
HY-1s	10/12/93		16	2 U	1.1	37.1	36	0.5 U	4.8	1.7	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	59.6	0.007	0.01 U
HY-1s	01/13/94		19	2 U	2	62	60	1.1	6.4	2.1	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	90.6	0.008	0.01 U
HY-1s	04/13/94		23	2 U	1.4	73.6	72.2	0.5 U	4	1.6	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	102	0.007	0.01 U
HY-1s	07/14/94		32	2 U	1.5	264.5	263	0.5 U	3.6	1.4	0.5 U	125	0.5 U	1 U	1 U	1 U	0.5 U	427	0.007	0.01 U
HY-1s	11/07/94		43	20 U	5.4	265.4	260	0.5 U	12	5 U	5 U	5 U	5 U	10 U	10 U	10 U	5 U	320	0.007	0.01 U
HY-1s	01/18/95		53	10 U	5.3	375.3	370	2.5 U	8	2.5 U	2.5 U	2.5 U	2.5 U	5 U	5 U	5 U	2.5 U	436	0.008	0.01 U
HY-1s	04/26/95		43	2 U	3.6	183.6	180	1.3	8	2.4	2.5 U	1.1	0.5 U	1 U	1 U	1 U	0.5 U	239	0.01	0.01 U
HY-1s	07/11/95		130	50 U	12.5 U	942.5	930	12.5 U	16	12.5 U	12.5 U	12.5 U	12.5 U	25 U	25 U	25 U	12.5 U	1,076	0.012	0.01 U
HY-1s	12/07/95		200	40 U	10 U	1310	1300	10 U	18	10 U	10 U	12	10 U	20 U	20 U	20 U	10 U	1,530	0.009	0.01 U
HY-1s	03/27/96		96	20 U	12	912	900	5 U	11	5 U	5 U	16	5 U	10 U	10 U	10 U	5 U	1,035	0.007	0.01 U
HY-1s	05/30/96		110	2 U	12	982	970	8.9	10	1.6	0.5 U	16	0.5 U	1 U	1 U	1 U	0.5 U	1,129	0.007	0.01 U
HY-1s	09/11/96		150	20 U	12	1012	1000	7	14	5 U	5 U	19	5 U	10 U	10 U	10 U	5 U	1,202	0.008	0.01 U
HY-1s	12/05/96		130	20 U	10	840	830	6	13	5 U	5 U	16	5 U	10 U	10 U	10 U	5 U	1,005	0.01	0.01 U
HY-1s	03/04/97		54	100 U	25 U	410	410	25 U	25 U	25 U	25 U	25 U	25 U	50 U	50 U	50 U	25 U	464	0.008	0.01 U
HY-1s	06/18/97		32	4 U	4	184	180	2	3	1 U	1 U	7	1 U	2 U	2 U	2 U	1 U	228	0.007	0.01 U
HY-1s	09/18/97		120	5 U	10	710	700	5.4	12	1.8	0.5 U	13	0.5 U	1 U	1 U	1 U	0.5 U	862	0.01	0.01 U

Groundwater Chemistry Data
Well HY-1s
BSB Property, Kent, Washington

Site	Date	Note	Vinyl Chloride µg/L	Methylene Chloride µg/L	trans-1,2-Dichloro-ethene µg/L	cis+trans	cis-1,2-Dichloro-ethene µg/L	1,1-Di-chloro-ethene µg/L	1,1-Di-chloro-ethane µg/L	1,2-Di-chloro-ethane µg/L	1,1,1-Tri-chloro-ethane µg/L	Tri-chloro-ethene µg/L	Tetra-chloro-ethene µg/L	Toluene µg/L	Ethyl-benzene µg/L	total Xylenes µg/L	Benzene µg/L	total VOCs µg/L	dissolved Arsenic mg/L	total Cyanide mg/L
HY-1s	12/09/97		130	50 U	10	670	660	5 U	9	5 U	5 U	19	5 U	10 U	10 U	10 U	5 U	828	0.01	0.01 U
HY-1s	03/09/98		73	5 U	6.9	417	410	2.7	6.6	1.3	0.5 U	9.8	0.5 U	1 U	1 U	1 U	0.5 U	510	0.016	0.01 U
HY-1s	06/11/98		67	50 U	5.4	645	640	5 U	5.3	5 U	5 U	5.4	5 U	10 U	10 U	10 U	5 U	723	0.009	0.01 U
HY-1s	06/11/98	Dup	77	50 U	5.7	626	620	5 U	5.8	5 U	5 U	5.5	5 U	10 U	10 U	10 U	5 U	714	0.009	0.01 U
HY-1s	09/19/98		110	50 U	8.5	619	610	5 U	8.8	5 U	5 U	8.9	5 U	10 U	10 U	10 U	5 U	746	0.009	0.01 U
HY-1s	04/22/99		65	5 U	6.8	357	350	2.5	5.6	0.8	0.5 U	5.7	0.5 U	1 U	1 U	1 U	0.5 U	436	0.009	0.01 U
HY-1s	10/05/99		75	5 U	8.4	488	480	3.2	6.5	0.8	0.5 U	6.5	0.5 U	1 U	1 U	1 U	0.5 U	580	0.01	0.01 U
HY-1s	04/14/00		48	5 U	5.8	326	320	2	4.6	0.5 U	0.5 U	4.6	0.5 U	1 U	1 U	1	0.5 U	386	0.01	0.01 U
HY-1s	10/10/00		76	1 U	15	445	430	3	6.9	0.71	0.5 U	5.3	0.5 U	0.5 U	0.5 U	1 U	0.5 U	537	0.012	0.01
HY-1s	04/25/01		70	1 U	6.8	347	340	2	5.9	0.78	0.5 U	6.2	0.5 U	0.5 U	0.5 U	1 U	0.5 U	432	0.0155	0.01
HY-1s	10/25/01		53	7.3	6	316	310	2.5 U	5.1	2.5 U	2.5 U	7.9	2.5 U	2.5 U	2.5 U	5 U	2.5 U	389	0.0086	0.01 U
HY-1s	04/23/02		50	2 U	5.5	246	240	1.3	4.9	1 U	0.5 U	4.7	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	306	0.01	0.02
HY-1s	10/16/02		23	2 U	3.1	153	150	0.86	3.2	0.66	0.5 U	2.8	0.5 U	0.5 U	0.5 U	1 U	0.5 U	184	0.0097	0.01 U
HY-1s	04/09/03		22	0.2 U	2.6	80.6	78	0.54	1.2	0.28 J	0.12 U	1.4	0.11 U	0.14 J	0.13 U	0.299 U	0.11 U	106	0.01	0.01
HY-1s	04/09/03	Dup	22	0.2 U	2.7	77.6	75	0.53	0.99	0.29 J	0.12 U	1.4	0.11 U	0.1 J	0.13 U	0.299 U	0.11 U	103	0.01	0.01
HY-1s	10/21/03		36 J	2 UJ	5.4 J	255	250 J	1.3 J	4.4 J	0.63 J	0.5 UJ	2.7 J	0.5 UJ	0.5 UJ	0.5 UJ	1 UJ	0.5 UJ	300	0.0101	0.01
HY-1s	04/13/04		25	2 U	3.3 J	113	110 J	0.63	2.3	0.5 U	0.5 U	1.6	0.5 U	0.5 U	0.5 U	1 U	0.5 U	143	0.0079	0.01 U
HY-1s	10/04/04		4.1	2 U	1.7	69.7	68	0.5 U	1.4	0.5 U	0.5 U	1.3	0.5 U	0.5 U	0.5 U	1 U	0.5 U	76.5	0.0108	0.01
HY-1s	04/20/05		22	0.2 U	4.5	146	140	0.85	3.1	0.99	0.12 U	2.1	0.13 U	0.49 JB	0.13 U	0.33 U	0.14 U	174	0.0131	0.01
HY-1s	10/28/05		28	2 U	5.3	205	200	1	4.4	0.88	0.5 U	1.9	0.5 U	0.5 U	0.5 U	1 U	0.5 U	241	0.0109	0.02
HY-1s	04/26/06		15	2 U	2.7	69.7	67	0.5 U	1.5	0.5 U	0.5 U	1.2	0.5 U	NA	NA	NA	NA	87.4	0.012	0.01
HY-1s	10/23/06		5.9	2 U	1.4	48.4	47	0.5 U	0.86	0.5 U	0.5 U	0.65	0.5 U	NA	NA	NA	NA	55.8	0.0159	0.01 U
HY-1s	04/11/07		8.6	2 U	1.8	49.8	48	0.5 U	0.86	0.5 U	0.5 U	0.79	0.5 U	NA	NA	NA	NA	60.1	0.0137	0.007 J
HY-1s	10/09/07		7.9	2 U	1.1	29.1	28	0.5 U	0.56	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	37.6	0.0145	0.01 U
HY-1s	04/17/08		9.5	0.20 U	1.8	42.8	41	0.23 J	0.77	0.36 J	0.12 U	0.80	0.13 U	NA	NA	NA	NA	54.5	0.0122	0.009 J
HY-1s	10/15/08		12	0.23 U	3.0	71.0	68	0.34 J	1.1	0.34 J	0.050 U	0.99	0.077 U	NA	NA	NA	NA	85.8	0.011	0.002 J
HY-1s	04/07/09		12	0.23 U	1.8	34.8	33	0.20 J	0.65	0.23 J	0.050 U	0.69	0.077 U	NA	NA	NA	NA	48.6	0.0144	0.005 J
HY-1s	10/14/09		14	0.17 U	2.7	63.7	61	0.39 J	1.4	0.30 J	0.075 U	0.72	0.066 U	NA	NA	NA	NA	80.5	0.0098	0.003 U
HY-1s	10/14/09	Dup	16	0.17 U	2.9	72.9	70	0.37 J	1.7	0.28 J	0.075 U	0.67	0.066 U	NA	NA	NA	NA	91.9	0.009	0.003 U
HY-1s	04/07/10		19	0.17 U	1.3	18.3	17	0.18 J	0.48 J	0.15 J	0.075 U	0.37 J	0.066 U	NA	NA	NA	NA	38.5	0.017	0.003 U
HY-1s	12/03/10		0.730	1.0 U	0.5 U	1.0	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	0.730	0.0325	0.05 U
HY-1s	05/12/11		0.2 U	1.0 U	0.5 U	1.3	0.76	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	0.760	0.0175	0.05 U
HY-1s	12/21/11		15.8	1.0 U	0.5 U	3.3	2.77	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	18.6	NA	NA
HY-1s	03/12/12		19.1	1.0 U	0.5 U	1.9	1.37	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	20.5	NA	NA
HY-1s	06/18/12		20.4	1.0 U	0.5 U	1.9	1.39	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	21.8	NA	NA
HY-1s	09/17/12		23.9	1.0 U	1.25	11.6	10.3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	35.5	NA	NA
HY-1s	12/20/12		16.4	1.0 U	0.5 U	2.1	1.56	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	18.0	NA	NA
HY-1s	03/12/13		9.1	1.0 U	0.5 U	1.7	1.21	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	10.3	NA	NA
HY-1s	06/12/13		15.9	1.0 U	0.550	4.94	4.39 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	20.8	NA	NA
HY-1s	09/06/13		39.5	1.0 U	1.14	14.84	13.7	0.5 U	0.73	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	55.1	NA	NA
HY-1s	12/27/13		22.9	1.0 U	0.5 U	5.39	4.89	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	27.8	NA	NA
HY-1s	12/27/13	Dup	23.6	1.0 U	0.5 U	5.10	4.6	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	28.2	NA	NA
HY-1s	03/18/14		9.29	1.0 U	0.5 U	3.43	2.93	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	12.2	NA	NA
HY-1s	06/24/14		15.6	1.0 U	0.5 U	3.51	3.01	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	18.6	NA	NA
HY-1s	09/10/14		38.5	1.0 U	1.16	10.42	9.26	0.5 U	0.72	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	49.6	NA	NA
HY-1s	12/09/14		2.90	1.0 U	0.5 U	1.31	0.810	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	3.7	NA	NA
HY-1s	12/09/14	Dup	2.92	1.0 U	0.5 U	1.21	0.710	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	3.6	NA	NA
HY-1s	03/19/15		6.16	1.0 U	0.5 U	1.75	1.25	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	7.4	NA	NA
HY-1s	06/30/15		30.3	1.0 U	0.5 U	2.97	2.47	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	32.8	NA	NA
HY-1s	09/01/15		36.4	1.0 U	0.610	6.35	5.74	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	42.8	NA	NA

Groundwater Chemistry - Well HY-1s
BSB Property, Kent, Washington



Notes: 1. All results detected below the MRLs are shown as hollow data points .
2. Site Cleanup Levels: TCE = 30 µg/L, cDCE = 70 µg/L, and Vinyl Chloride = 0.2 µg/L.
3. The original CMS (activated in August 1992) was replaced with a soil-bentonite cutoff wall in October 2011.

Groundwater Chemistry Data
Well HY-11s
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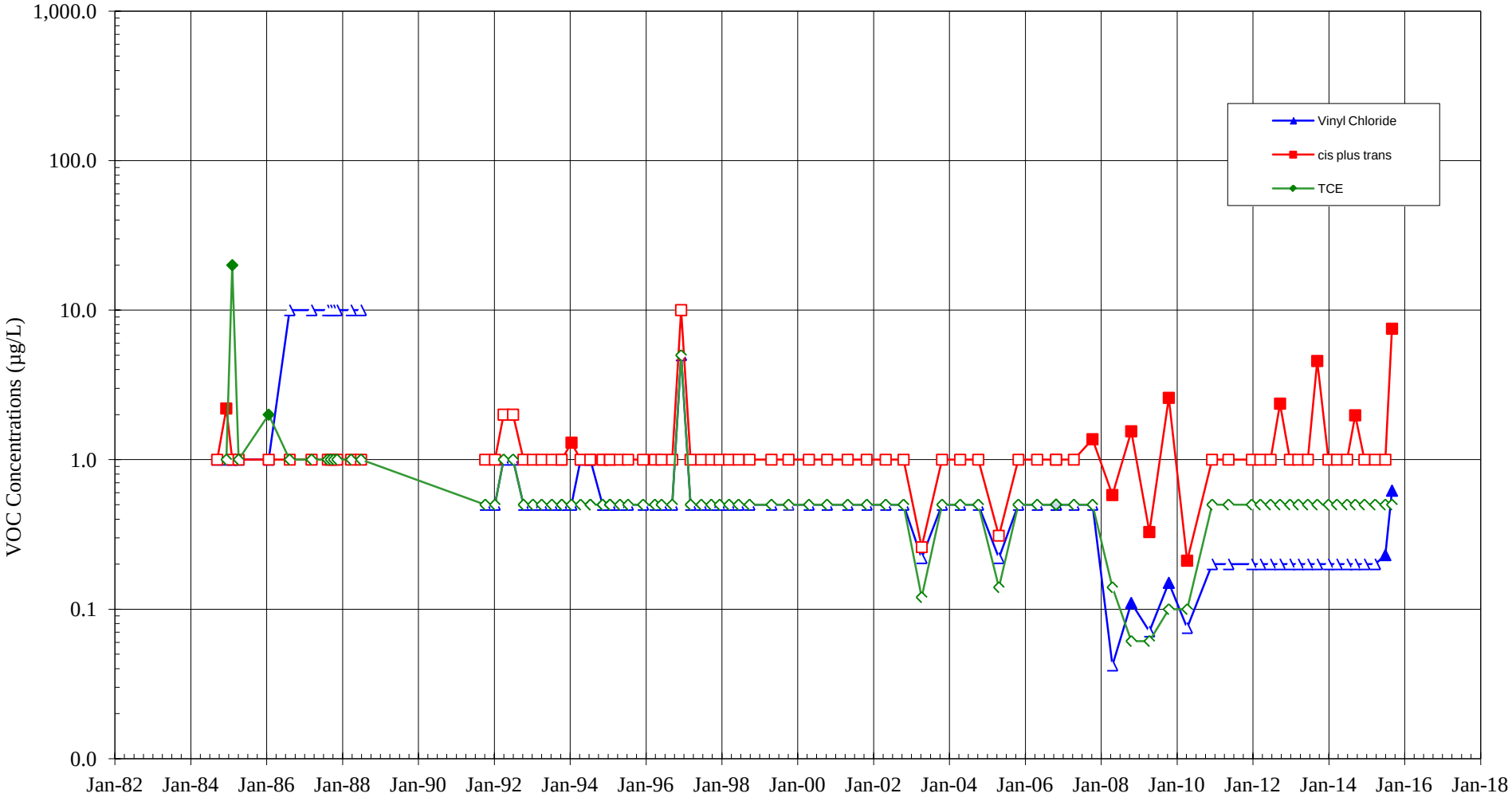
Site	Date	Note	Vinyl Chloride µg/L	Methylene Chloride µg/L	trans-1,2-Dichloro-ethene µg/L	cis+trans	cis-1,2-Dichloro-ethene µg/L	1,1-Di-chloro-ethene µg/L	1,1-Di-chloro-ethane µg/L	1,2-Di-chloro-ethane µg/L	1,1,1-Tri-chloro-ethane µg/L	Tri-chloro-ethene µg/L	Tetra-chloro-ethene µg/L	Toluene µg/L	Ethyl-benzene µg/L	total Xylenes µg/L	Benzene µg/L	total VOCs µg/L	dissolved Arsenic mg/L	total Cyanide mg/L
HY-11s	09/11/84		1 U	5 U	1 U	1		1 U	3									3		
HY-11s	12/08/84		1 U	5 U	2.2	2.2		1 U	1.4		1 U	1 U	1 U	1 U	1 U	1 U		3.6		
HY-11s	02/04/85		1 U	5 U	1 U	1		2.8	1 U		1 U	20	1 U	1 U	1 U	1 U		22.8		
HY-11s	04/05/85		1 U	5 U	1 U	1		1 U	1 U		1 U	1 U	1 U					ND		
HY-11s	01/20/86		1 U	10 U	1 U	1		1 U	1 U		1 U	2	1 U	1 U	1 U	1 U		2		
HY-11s	08/11/86		10 U	1 U	1 U	1		1 U	1 U		1 U	1 U	1 U	1 U	1 U	1 U		ND		
HY-11s	03/09/87		10 U	4	1 U	1		1 U	1 U		1 U	1 U	1 U	1 U	1 U	1 U		4		
HY-11s	08/12/87		10 U	5 U	1 U	1		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U		ND	0.005 U	0.005 U
HY-11s	09/10/87		10 U	5 U	1 U	1		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U		ND	0.005 U	0.005 U
HY-11s	10/08/87		10 U	5 U	1 U	1		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U		ND	0.005 U	0.005 U
HY-11s	11/09/87		10 U	5 U	1 U	1		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U		ND	0.005 U	0.005 U
HY-11s	03/23/88		10 U	5 U	1 U	1		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U		ND	0.005 U	0.005 U
HY-11s	06/27/88		10 U	7	1 U	1		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U		7	0.005 U	0.005 U
HY-11s	10/07/91		0.5 U	2 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	ND	0.005 U	0.01 U
HY-11s	01/07/92		0.5 U	2 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	ND	0.005 U	0.01 U
HY-11s	04/01/92		1 U	10 U	1 U	2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	ND	0.005 U	0.01 U
HY-11s	06/30/92		1 U	10 U	1 U	2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	ND	0.005	0.01 U
HY-11s	10/08/92		0.5 U	2 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U					ND	0.006	0.01 U
HY-11s	01/08/93		0.5 U	2 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	ND	0.006	0.01 U
HY-11s	04/01/93		0.5 U	6	0.5 U	1	0.5 U	0.5 U	0.6	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	6.6	0.011	0.01 U
HY-11s	07/08/93		0.5 U	9	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	9	0.005 U	0.01 U
HY-11s	10/11/93		0.5 U	5 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	ND	0.014	0.01 U
HY-11s	10/11/93	Dupl	0.5 U	5 U	0.5 U	1	0.5 U	0.5 U	1.1	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	1.1	0.014	0.01 U
HY-11s	01/14/94		0.5 U	2 U	0.5 U	1.3	0.8	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	0.8	0.026	0.01 U
HY-11s	04/11/94		1 U	2 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	ND	0.037	0.01 U
HY-11s	07/13/94		1 U	6	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	6	0.016	0.01 U
HY-11s	07/13/94	Dupl	1 U	9	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	0.5 U	9	0.024	0.01 U
HY-11s	11/08/94		0.5 U	2 U	0.5 U	1	0.5 U	0.5 U	0.9	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	0.9	0.022	0.01 U
HY-11s	11/08/94	Dupl	0.5 U	2 U	0.5 U	1	0.5 U	0.5 U	0.8	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	0.8	0.034	0.01 U
HY-11s	01/19/95		0.5 U	2 U	0.5 U	1	0.5 U	0.5 U	0.6	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	0.6	0.008	0.01 U
HY-11s	01/19/95	Dupl	0.5 U	2 U	0.5 U	1	0.5 U	0.5 U	0.6	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	0.6	0.013	0.01 U
HY-11s	04/25/95		0.5 U	2 U	0.5 U	1	0.5 U	0.5 U	0.5	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	0.5	0.018	0.01 U
HY-11s	07/12/95		0.5 U	5 U	0.5 U	1	0.5 U	0.5 U	0.7	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	0.7	0.009	0.01 U
HY-11s	12/05/95		0.5 U	2 U	0.5 U	1	0.5 U	0.5 U	0.7	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	0.7	0.034	0.01 U
HY-11s	03/26/96		0.5 U	2 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	ND	0.009	0.01 U
HY-11s	05/30/96		0.5 U	2 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	ND	0.012	0.01 U
HY-11s	09/10/96		0.5 U	2 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	ND	0.01	0.01 U
HY-11s	12/05/96		5 U	20 U	5 U	10	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U	10 U	5 U	ND	0.007	0.01 U
HY-11s	03/05/97		0.5 U	2 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	ND	0.013	0.01 U
HY-11s	06/16/97		0.5 U	2 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	ND	0.006	0.01 U
HY-11s	09/19/97		0.5 U	5 U	0.5 U	1	0.5 U	0.5 U	0.5	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	0.5	0.005 U	0.01 U
HY-11s	12/10/97		0.5 U	5 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	ND	0.014	0.01 U
HY-11s	03/11/98		0.5 U	5 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	ND	0.01	0.01 U
HY-11s	06/11/98		0.5 U	5 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	ND	0.014	0.01 U
HY-11s	09/24/98		0.5 U	5 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	ND	0.018	0.01 U
HY-11s	04/23/99		0.5 U	5 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	ND	0.007	0.01 U
HY-11s	10/05/99		0.5 U	5 U	0.5 U	1	0.5 U	0.5 U	0.7	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	0.7	0.011	0.01 U
HY-11s	04/17/00		0.5 U	5 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	ND	0.006	0.02
HY-11s	10/10/00		0.5 U	1 U	0.5 U	1	0.5 U	0.5 U	0.76	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.76	0.009	0.01 U

Groundwater Chemistry Data
Well HY-11s
BSB Property, Kent, Washington

Site	Date	Note	Vinyl Chloride µg/L	Methylene Chloride µg/L	trans-1,2-Dichloro-ethene µg/L	cis+trans	cis-1,2-Dichloro-ethene µg/L	1,1-Di-chloro-ethene µg/L	1,1-Di-chloro-ethane µg/L	1,2-Di-chloro-ethane µg/L	1,1,1-Tri-chloro-ethane µg/L	Tri-chloro-ethene µg/L	Tetra-chloro-ethene µg/L	Toluene µg/L	Ethyl-benzene µg/L	total Xylenes µg/L	Benzene µg/L	total VOCs µg/L	dissolved Arsenic mg/L	total Cyanide mg/L
HY-11s	04/26/01		0.5 U	1 U	0.5 U	1	0.5 U	0.5 U	0.74	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.74	0.0125	0.01 U
HY-11s	10/26/01		0.5 U	1 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	ND	0.0106	0.01 U
HY-11s	04/27/02		0.5 U	1 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	ND	0.01 U	0.01 U
HY-11s	10/16/02		0.5 U	2 U	0.5 U	1	0.5 U	0.50 U	1.2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	1.20	0.0146	0.01 U
HY-11s	04/09/03		0.22 U	0.2 U	0.14 U	0.26	0.12 U	0.12 U	0.12 J	0.12 U	0.12 U	0.12 U	0.11 J	0.098 U	0.13 U	0.299 U	0.11 U	0.230	0.005 U	0.01 U
HY-11s	10/21/03		0.5 U	0.5 U	0.5 U	1	0.5 U	0.50 U	2.7	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	2.70	0.0118	0.01 U
HY-11s	04/13/04		0.5 U	0.5 U	0.5 U	1	0.5 U	0.50 U	0.5 J	0.5 U	0.5 U	0.5 U	0.5 J	0.5 U	0.5 U	1 U	0.5 U	1.00	0.005 U	0.01 U
HY-11s	10/04/04		0.5 U	0.5 U	0.5 U	1	0.5 U	0.50 U	0.64	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.640	0.0139	0.01 U
HY-11s	04/20/05		0.22 U	0.2 U	0.15 U	0.31	0.16 J	0.13 U	0.6	0.12 U	0.12 U	0.14 U	0.13 U	1 B	0.13 U	0.33 U	0.14 U	1.76	0.0034 J	0.06
HY-11s	10/26/05		0.5 U	0.5 U	0.5 U	1	0.5 U	0.50 U	0.97	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.970	0.0106	0.01 U
HY-11s	04/25/06		0.5 U	0.5 U	0.5 U	1	0.5 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	ND	0.005	0.01 U
HY-11s	10/23/06		0.5 U	0.5 U	0.5 U	1	0.5 U	0.50 U	0.59	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	0.590	0.0139	0.01 U
HY-11s	10/23/06	Dupl	0.5 U	0.5 U	0.5 U	1	0.5 U	0.50 U	0.67	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	0.670	0.0147	0.01 U
HY-11s	04/12/07		0.5 U	2 U	0.5 U	1	0.5 U	0.50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	ND	0.0033	0.01 U
HY-11s	10/09/07		0.5 U	2 U	0.5 U	1.37	0.87	0.50 U	0.82	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	1.69	0.0058	0.01 U
HY-11s	04/17/08		0.042 U	0.2 U	0.15 U	0.58	0.43 J	0.13 U	0.21 J	0.12 U	0.12 U	0.14 U	0.13 U	NA	NA	NA	NA	0.640	0.00166	0.002 U
HY-11s	10/16/08		0.11 J	0.23 U	0.048 U	1.548	1.5	0.14 J	0.86	0.073 U	0.05 U	0.061 U	0.077 U	NA	NA	NA	NA	2.61	0.0021	0.002 U
HY-11s	04/08/09		0.071 U	0.23 U	0.048 U	0.328	0.28 J	0.10 U	0.12 J	0.073 U	0.05 U	0.061 U	0.09 J	NA	NA	NA	NA	0.490	0.0012	0.003 U
HY-11s	10/13/09		0.15 J	0.17 U	0.091 U	2.591	2.5	0.20 J	1.1	0.08 U	0.075 U	0.1 U	0.066 U	NA	NA	NA	NA	3.95	0.002	0.003 U
HY-11s	04/07/10		0.075 U	0.17 U	0.091 U	0.211	0.12 J	0.07 U	0.077 U	0.08 U	0.075 U	0.1 U	0.1 J	NA	NA	NA	NA	0.220	0.0013	0.003 U
HY-11s	12/03/10		0.2 U	1.0 U	0.5 U	1.0	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	ND	0.001 U	0.05 U
HY-11s	05/10/11		0.2 U	1.0 U	0.5 U	1.0	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	ND	0.001 U	0.05 U
HY-11s	12/21/11		0.2 U	1.0 U	0.5 U	1.0	0.5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	0.500	NA	NA
HY-11s	03/13/12		0.2 U	1.0 U	0.5 U	1.0	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	ND	NA	NA
HY-11s	06/19/12		0.2 U	1.0 U	0.5 U	1.0	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	ND	NA	NA
HY-11s	09/18/12		0.2 U	1.0 U	0.5 U	2.4	1.87	0.5 U	0.620	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	2.49	NA	NA
HY-11s	12/21/12		0.2 U	1.0 U	0.5 U	1.0	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	ND	NA	NA
HY-11s	03/14/13		0.2 U	1.0 U	0.5 U	1.0	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	ND	NA	NA
HY-11s	06/13/13		0.2 U	1.0 U	0.5 U	1.0	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	ND	NA	NA
HY-11s	09/11/13		0.2 U	1.0 U	0.5 U	4.6	4.07	0.5 U	0.960	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	5.03	NA	NA
HY-11s	12/27/13		0.2 U	1.0 U	0.5 U	1.0	0.5 U	0.5 U	0.960	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	0.960	NA	NA
HY-11s	03/20/14		0.2 U	1.0 U	0.5 U	1.0	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	ND	NA	NA
HY-11s	06/25/14		0.2 U	1.0 U	0.5 U	1.0	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	ND	NA	NA
HY-11s	09/11/14		0.2 U	1.0 U	0.5 U	2.0	1.48	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	1.48	NA	NA
HY-11s	12/10/14		0.2 U	1.0 U	0.5 U	1.0	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	ND	NA	NA
HY-11s	03/23/15		0.2 U	1.0 U	0.5 U	1.0	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	ND	NA	NA
HY-11s	06/29/15		0.230	1.0 U	0.5 U	1.0	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	0.230	NA	NA
HY-11s	09/01/15		0.620	1.0 U	0.5 U	7.5	7.01	0.5 U	0.860	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	8.490	NA	NA

Groundwater Chemistry - Well HY-11s (Background)
BSB Property, Kent, Washington



Notes: 1. All results detected below the MRLs are shown as hollow data points .
2. Site Cleanup Levels: TCE = 30 µg/L, cDCE = 70 µg/L, and Vinyl Chloride = 0.2 µg/L.
3. The original CMS (activated in August 1992) was replaced with a soil-bentonite cutoff wall in October 2011.

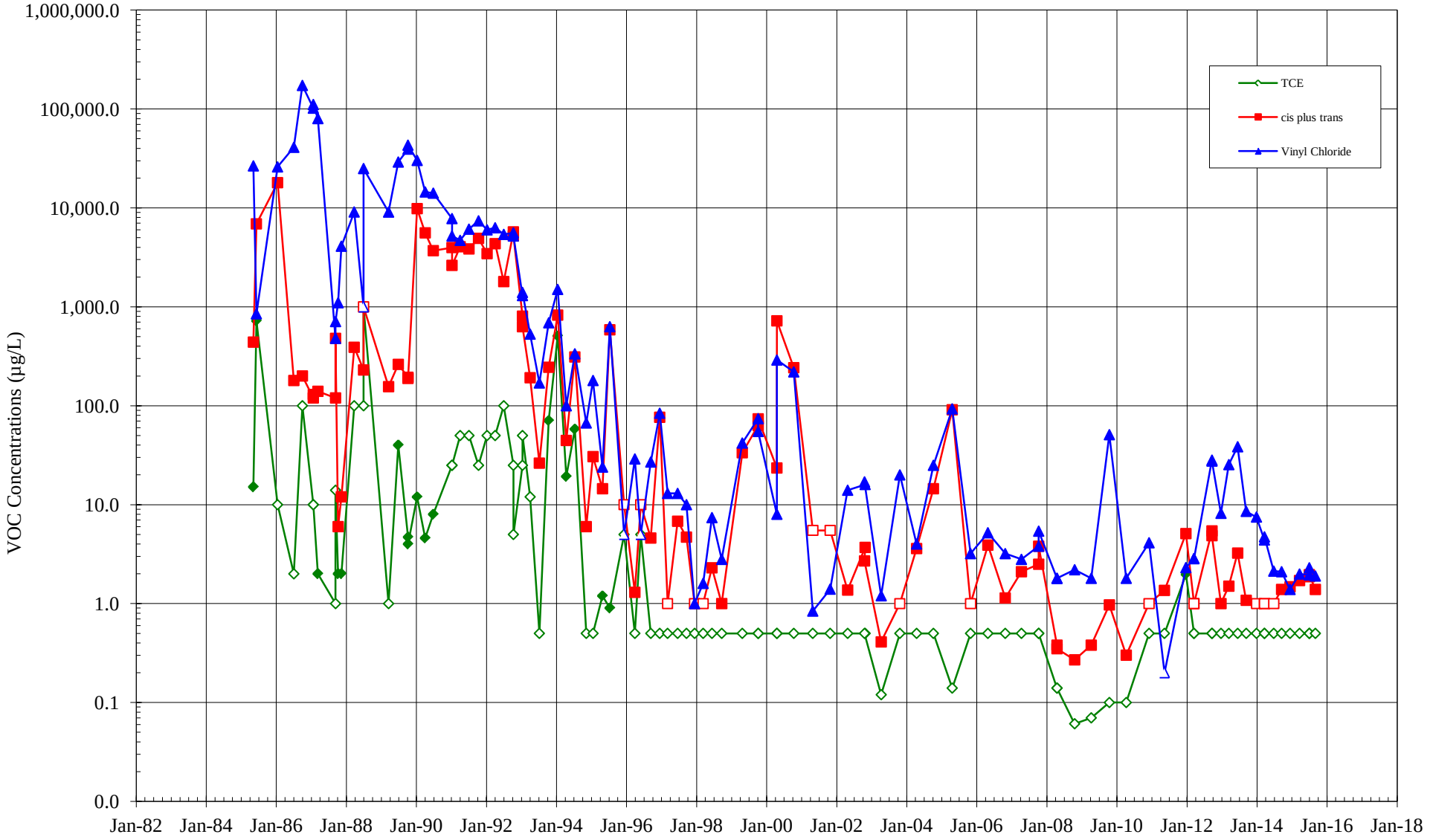
Groundwater Chemistry Data
Well HYCP-2
BSB Property, Kent, Washington

Site	Date	Note	Vinyl Chloride µg/L	Methylene Chloride µg/L	trans-1,2-Dichloro-ethene µg/L	cis+trans	cis-1,2-Dichloro-ethene µg/L	1,1-Di-chloro-ethene µg/L	1,1-Di-chloro-ethane µg/L	1,2-Di-chloro-ethane µg/L	1,1,1-Tri-chloro-ethane µg/L	Tri-chloro-ethene µg/L	Tetra-chloro-ethene µg/L	Toluene µg/L	Ethyl-benzene µg/L	total Xylenes µg/L	Benzene µg/L	total VOCs µg/L	dissolved Arsenic mg/L	total Cyanide mg/L
HYCP-2	05/07/85		26600	1 U	440	440		7.3	500		232	15.1	1 U	135	15	39		27,983		
HYCP-2	06/07/85		850	18	6900	6900		400	10 U		11	720	10 U	125	12	29		9,065		
HYCP-2	01/14/86		26000	23	18000	18000		60	270		130	10 U	1 U	46	2	7	3	44,541		
HYCP-2	07/03/86		41000	6400	180	180		54	160		200	2 U	25	13	1 U	2		48,034		
HYCP-2	09/30/86		173000	1 U	200	200		100 U	700		100	100 U	100 U	200	100 U	100 U		174,200		
HYCP-2	01/22/87		102000	50 U	120	120		310	280		89	10 U	10 U	19	10 U	10 U		102,818		
HYCP-2	01/22/87		111000	50 U	130	130		290	300		92	10 U	10 U	17	10 U	10 U		111,829		
HYCP-2	03/11/87		80000	10 U	140	140		21	220		44	2	1 U	1 U	1 U	1 U		80,427		
HYCP-2	09/11/87		480	5 U	120	120		10 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U		600	0.005 U	0.005 U
HYCP-2	09/11/87	Split	710	9 J	480	480		45 U	20 U	23 U	16 U	14 U	12 U	5 M	21 U	24 U	17 U	1,204		
HYCP-2	10/08/87		1100	5 U	6	6		1 U	4	1 U	1 U	2	1 U	1 U	1 U	1		1,113	0.005 U	0.005 U
HYCP-2	11/10/87		4100	7	12	12		8	9	1 U	1 U	2	1 U	1 U	1 U	1 U		4,138	0.005 U	0.005 U
HYCP-2	03/23/88		9100	500 U	100 U	390	290	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U		9,390	0.005 U	0.026
HYCP-2	06/29/88		1000 U	630	230	230		800	1900	100 U	100 U	100 U	100 U	100 U	100 U	100 U		3,560	0.005 U	0.025
HYCP-2	06/29/88	Dupl	25000	5700	1000 U	1000		1000 U	1400	1000 U	1000 U	1000 U	1000 U	1000 U	1000 U	1000 U		32,100	0.005 U	0.04
HYCP-2	03/17/89		9080	1 U	156	156		107	489	1 U	1 U	1 U	1 U	113	6.4	24		9,975	0.005	0.03
HYCP-2	06/26/89		29100		262	262		214	2240	42	118	40	2 U	82	1 U	2 U	4.8	32,103	0.005 U	0.01
HYCP-2	10/05/89		39300	2.4	194	194		121	2490	31	40	4.7	1 U	103	3.6	13	3.4	42,306	0.005	0.05
HYCP-2	10/05/89	Dupl	43100	1.9	189	189		120	2860	33	39	4	1 U	102	3.4	12	3.3	46,468	0.006	0.05
HYCP-2	01/09/90		30200	2	106	9836	9730	102	1820	32	23	12	1 U	76	4.8	19	14	42,141	0.005 U	0.01
HYCP-2	04/03/90		14500	2 U	74.7	5594.7	5520	27	701	12.6	0.5 U	4.6	4.6	44.6	1 U	2 U	4.8	20,894	0.007	0.1
HYCP-2	06/26/90		14100	2 U	86.8	3696.8	3610	28.2	620	18.2	1.1	8	0.5 U	82	5.3	19.8	6.6	18,586	0.006	0.01
HYCP-2	01/07/91		7800	100 U	75	3975	3900	25 U	470	25 U	25 U	25 U	25 U	50 U	50 U	50 U	25 U	12,245	0.012	0.01 U
HYCP-2	01/07/91	Dupl	5200	100 U	25 U	2625	2600	25 U	500	25 U	25 U	25 U	25 U	50 U	50 U	50 U	25 U	8,300	0.012	0.01 U
HYCP-2	04/02/91		4700	200 U	50 U	4050	4000	50 U	50 U	50 U	50 U	50 U	50 U	100 U	100 U	100 U	50 U	8,700	0.011	0.02
HYCP-2	07/03/91		6100	200 U	50 U	3850	3800	50 U	250	50 U	120	50 U	50 U	100 U	100 U	100 U	50 U	10,270	0.006	0.02
HYCP-2	10/11/91		7400	100 U	25 U	4925	4900	25 U	260	25 U	25 U	25 U	25 U	50 U	50 U	50 U	25 U	12,560	0.007	0.01
HYCP-2	01/08/92		6000	200 U	50 U	3450	3400	50 U	50 U	50 U	50 U	50 U	50 U	100 U	100 U	100 U	50 U	9,400	0.008	
HYCP-2	04/01/92		6300	500 U	50 U	4350	4300	50 U	340	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	10,940	0.009	0.01 U
HYCP-2	06/30/92		5400	1000 U	100 U	1800	1700	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	7100	0.009	0.01
HYCP-2	10/08/92		5600	100 U	25 U	5725	5700	25 U	150	25 U	25 U	25 U	25 U					11450	0.005 U	0.01 U
HYCP-2	10/08/92	Dupl	5200	20 U	18	5218	5200	5 U	210	5 U	5 U	5 U	5 U					10628	0.005 U	0.01 U
HYCP-2	01/11/93		1300	25 U	25 U	805	780	25 U	120	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	2,200	0.01	0.01
HYCP-2	01/11/93	Dupl	1400	50 U	50 U	630	580	50 U	98	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	2,078	0.011	0.01
HYCP-2	04/01/93		530	50 U	12 U	192	180	12 U	42	12 U	12 U	12 U	12 U	25 U	25 U	25 U	12 U	752	0.012	0.01 U
HYCP-2	07/06/93		170	9	1.3	26.3	25	0.5 U	30	0.5 U	0.5 U	0.5 U	0.5 U	2	2	1 U	0.7	240	0.018	0.01 U
HYCP-2	10/12/93		690	20 U	5 U	245	240	5 U	44	5 U	5 U	71	5 U	10 U	10 U	10 U	0.5 U	1,045	0.019	0.01 U
HYCP-2	01/13/94		1500	5 U	5 U	825	820	5 U	110	5 U	5 U	510	5 U	9	5 U	5 U	5 U	2,949	0.018	0.01 U
HYCP-2	04/13/94		100	2 U	0.7	44.6	43.9	1.9	36.2	0.5 U	0.5 U	19.3	0.5 U	1 U	1 U	1 U	0.5 U	202	0.018	0.01 U
HYCP-2	07/11/94		335	2 U	1.4	311.4	310	6.6	71.6	0.5 U	0.5 U	58	0.5 U	3	1 U	2	0.5 U	788	0.017	0.01 U
HYCP-2	11/07/94		67	2 U	0.5 U	6	5.5	0.5 U	19	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	91.5	0.017	0.01 U
HYCP-2	01/17/95		180	1 U	0.6	30.6	30	0.5	18	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	229	0.015	0.01 U
HYCP-2	04/26/95		24	2 U	0.5 U	14.5	14	0.5 U	3.2	0.5 U	0.5 U	1.2	0.5 U	1 U	1 U	1 U	0.5 U	42.4	0.017	0.01 U
HYCP-2	07/11/95		630	2 U	6.1	586.1	580	3.3	30	0.5 U	0.5 U	0.9	0.5 U	1 U	1 U	1 U	0.5 U	1,250	0.014	0.01 U
HYCP-2	12/06/95		5 U	20 U	5 U	10	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U	10 U	5 U	ND	0.02	0.01 U
HYCP-2	03/28/96		29	2	0.5 U	1.3	0.8	0.5 U	4	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	35.8	0.016	0.01 U
HYCP-2	05/29/96		5 U	20 U	5 U	10	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U	10 U	5 U	ND	0.021	0.01 U
HYCP-2	09/10/96		27	2 U	0.5 U	4.6	4.1	0.5 U	6.3	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	37.4	0.017	0.01 U
HYCP-2	12/12/96		84	3	0.5	76.5	76	0.5 U	9.6	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	173	0.022	0.01 U
HYCP-2	03/04/97		13	1 U	0.5 U	1	0.5 U	0.5 U	3.1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	16.1	0.021	0.01 U
HYCP-2	06/17/97		13	2 U	0.5 U	6.8	6.3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	19.3	0.016	0.02 U
HYCP-2	09/17/97		10	5 U	0.5 U	4.7	4.2	0.5 U	2.7	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	16.9	0.022	0.01 U
HYCP-2	12/11/97		1	5 U	0.5 U	1	0.5 U	0.5 U	1.5	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	2.50	0.022	0.01 U

Groundwater Chemistry Data
Well HYCP-2
BSB Property, Kent, Washington

Site	Date	Note	Vinyl Chloride µg/L	Methylene Chloride µg/L	trans-1,2-Dichloro-ethene µg/L	cis+trans	cis-1,2-Dichloro-ethene µg/L	1,1-Di-chloro-ethene µg/L	1,1-Di-chloro-ethane µg/L	1,2-Di-chloro-ethane µg/L	1,1,1-Tri-chloro-ethane µg/L	Tri-chloro-ethene µg/L	Tetra-chloro-ethene µg/L	Toluene µg/L	Ethyl-benzene µg/L	total Xylenes µg/L	Benzene µg/L	total VOCs µg/L	dissolved Arsenic mg/L	total Cyanide mg/L
HYCP-2	03/10/98		1.6	1 U	0.5 U	1	0.5 U	0.5 U	2.1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	3.70	0.021	0.01 U
HYCP-2	06/10/98		7.4	5 U	0.5 U	2.3	1.8	0.5 U	10	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	19.2	0.019	0.01 U
HYCP-2	09/20/98		2.8	5 U	0.5 U	1	0.5	0.5 U	2.4	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	5.70	0.016	0.01 U
HYCP-2	04/22/99		42 J	1 U	0.5 U	33.5	33	0.5 U	7.9	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	82.9	0.014	0.01 U
HYCP-2	10/05/99		74	1 U	1	63	62 J	0.6	6.6	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	144	0.027	0.01 U
HYCP-2	10/05/99	Dupl	55	1 U	0.7	73.7	73	0.5 U	5.7	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	134	0.028	0.01 U
HYCP-2	04/17/00		8	5 U	0.5 U	23.5	23	0.5 U	2	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	33.0	0.024	0.01 U
HYCP-2	04/17/00	Dupl	290 J	1 U	2	722	720 J	2	10 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	1,024	0.024	0.01 U
HYCP-2	10/10/00		220	1 U	2.5	242.5	240	1.3	11	0.5 U	0.5 U	0.5 U	0.5 U	0.78	0.5 U	1 U	0.5 U	476	0.02	0.01 U
HYCP-2	04/26/01		0.84	1 U	0.5 U	5.5	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.840	0.027	0.01 U
HYCP-2	10/24/01		1.4	1 U	0.5 U	5.5	5 U	0.5 U	0.84	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	2.24	0.023	0.01 U
HYCP-2	04/25/02		14	1 U	0.5 U	1.37	0.87	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	15.9	0.0217	0.01 U
HYCP-2	10/24/02		16	2 U	0.5 U	3.7	3.2	0.5 U	1.1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	20.3	0.0176	0.01 U
HYCP-2	10/18/02	Dupl	17	2 U	0.5 U	2.7	2.5	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	20.5	0.017	0.01 U
HYCP-2	04/10/03		1.2	0.2 U	0.14 U	0.41	0.27 J	0.12 U	0.49 J	0.12 U	0.12 U	0.12 U	0.11 U	0.12 J	0.13 U	0.299 U	0.11 U	2.08	0.0207	0.01 U
HYCP-2	10/21/03		20	2 U	0.5 U	1	0.5 U	0.5 U	0.62	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	20.6	0.0274	0.01 U
HYCP-2	04/13/04		4	2 U	0.5 U	3.6	3.1	0.5 U	0.74	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	7.84	0.017	0.01 U
HYCP-2	10/05/04		25	2 U	0.5 U	14.5	14	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	40.0	0.0109	0.01 U
HYCP-2	04/19/05		93	0.2 U	1.1	91.1	90	0.43 J	6.2	0.12 U	0.12 U	0.14 U	0.13 U	0.63 B	0.13 U	0.33 U	0.14 U	191	0.0129	0.003 U
HYCP-2	10/27/05		3.2	2 U	0.5 U	1	0.5 U	0.5 U	1.1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	4.30	0.0237	0.01 U
HYCP-2	04/26/06		5.2	2 U	0.5 U	3.9	3.4	0.5 U	0.78	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	9.38	0.0172	0.01 U
HYCP-2	10/24/06		3.2	2 U	0.5 U	1.14	0.64	0.5 U	0.66	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	4.50	0.0318	0.01 U
HYCP-2	04/11/07		2.8	0.5 U	0.5 U	2.1	1.6	0.5 U	0.83	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	5.23	0.0173	0.003 J
HYCP-2	10/08/07		3.8	0.5 U	0.5 U	2.5	2	0.5 U	0.73	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	6.53	0.00227	0.01 U
HYCP-2	10/08/07	Dupl	5.4	0.5 U	0.5 U	3.8	3.3	0.5 U	1.2	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	9.90	0.00229	0.01 U
HYCP-2	04/16/08		1.8	0.20 U	0.15 U	0.38	0.23 J	0.13 U	1.3	0.12 U	0.14 U	0.14 U	0.13 U	NA	NA	NA	NA	3.33	0.0203	0.003 J
HYCP-2	04/16/08	Dupl	1.8	0.20 U	0.15 U	0.35	0.20 J	0.13 U	1.2	0.12 U	0.12 U	0.14 U	0.13 U	NA	NA	NA	NA	3.20	NA	NA
HYCP-2	10/17/08		2.2	0.23 U	0.06 J	0.27	0.21 J	0.10 U	1.1	0.073 U	0.050 U	0.061 U	0.077 U	NA	NA	NA	NA	3.57	0.0256	0.002 J
HYCP-2	04/08/09		1.8	0.23 U	0.09 J	0.38	0.29 J	0.10 U	1.4	0.073 U	0.050 U	0.070 J	0.077 U	NA	NA	NA	NA	3.65	0.0228	0.003 J
HYCP-2	10/14/09		51	0.17 U	0.15 J	0.97	0.82	0.13 J	1.0	0.08 U	0.075 U	0.1 U	0.066 U	NA	NA	NA	NA	53.1	0.0026	0.003 U
HYCP-2	04/08/10		1.8	0.17 U	0.09 U	0.301	0.21 J	0.13 J	1.0	0.08 U	0.075 U	0.1 U	0.066 U	NA	NA	NA	NA	3.14	0.0226	0.003 U
HYCP-2	12/02/10		4.12	0.5 U	0.5 U	1.0	0.5 U	0.5 U	0.82	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	4.94	0.0203	0.05 U
HYCP-2	05/11/11		0.2 U	0.5 U	0.5 U	1.4	0.86	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	0.860	0.0197	0.05 U
HYCP-2	12/21/11		2.31	1.0 U	0.5 U	5.1	4.60	0.5 U	0.750	0.5 U	0.5 U	1.97	0.5 U	NA	NA	NA	NA	9.63	NA	NA
HYCP-2	03/14/12		2.85	1.0 U	0.5 U	1.0	0.5 U	0.5 U	0.990	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	3.84	NA	NA
HYCP-2	03/14/12	Dupl	2.85	1.0 U	0.5 U	1.0	0.5 U	0.5 U	0.990	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	3.84	NA	NA
HYCP-2	09/18/12		28.2	1.0 U	0.5 U	5.4	4.93	0.5 U	1.93	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	35.1	NA	NA
HYCP-2	09/18/12	Dupl	27.6	1.0 U	0.54	4.9	4.32	0.5 U	1.98	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	33.9	NA	NA
HYCP-2	12/21/12		8.18	1.0 U	0.5 U	1.0	0.5 U	0.5 U	1.18	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	9.36	NA	NA
HYCP-2	03/13/13		25.4	1.0 U	0.5 U	1.5	1.00	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	26.4	NA	NA
HYCP-2	06/13/13		38.5	1.0 U	0.5 U	3.2	2.74 J	0.5 U	2.58	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	43.8	NA	NA
HYCP-2	09/10/13		8.56	1.0 U	0.5 U	1.1	0.580	0.5 U	0.790	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	9.93	NA	NA
HYCP-2	12/26/13		7.50	1.0 U	0.5 U	1.0	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	7.50	NA	NA
HYCP-2	03/19/14		4.40	1.0 U	0.5 U	1.0	0.5 U	0.5 U	1.04	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	5.44	NA	NA
HYCP-2	03/19/14	Dupl	4.73	1.0 U	0.5 U	1.0	0.5 U	0.5 U	1.06	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	5.79	NA	NA
HYCP-2	06/24/14		2.13	1.0 U	0.5 U	1.0	0.5 U	0.5 U	1.27	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	3.40	NA	NA
HYCP-2	09/14/14		2.10	1.0 U	0.5 U	1.4	0.890	0.5 U	1.34	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	4.33	NA	NA
HYCP-2	12/11/14		1.39	1.0 U	0.5 U	1.5	0.980	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	2.37	NA	NA
HYCP-2	03/20/15		1.99	1.0 U	0.5 U	1.7	1.21	0.5 U	0.580	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	3.20	NA	NA
HYCP-2	06/30/15		1.95	1.0 U	0.5 U	1.9	1.37	0.5 U	1.21	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	4.53	NA	NA
HYCP-2	06/30/15	Dupl	2.30	1.0 U	0.5 U	2.0	1.46	0.5 U	1.20	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	4.96	NA	NA
HYCP-2	09/01/15		1.90	1.0 U	0.5 U	1.4	0.890	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	2.79	NA	NA

Groundwater Chemistry - Well HYCP-2
BSB Property, Kent, Washington

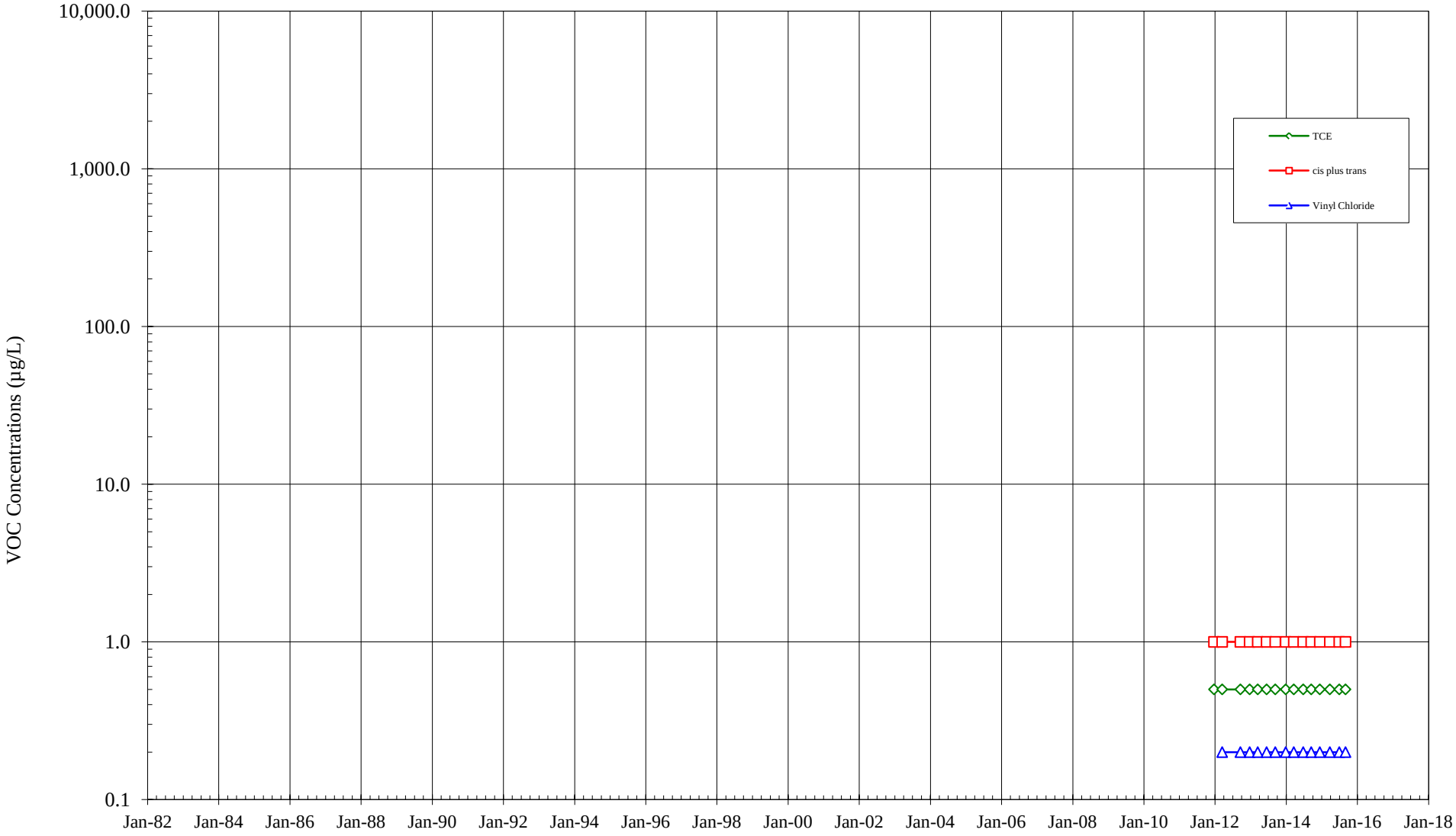


Notes: 1. All results detected below the MRLs are shown as hollow data points .
2. Site Cleanup Levels: TCE = 30 µg/L, cDCE = 70 µg/L, and Vinyl Chloride = 0.2 µg/L.
3. The original CMS (activated in August 1992) was replaced with a soil-bentonite cutoff wall in October 2011.

Groundwater Chemistry Data
Well HYCP-7s
BSB Property, Kent, Washington

Site	Date	Note	Vinyl Chloride µg/L	Methylene Chloride µg/L	trans-1,2-Dichloro-ethene µg/L	cis+trans	cis-1,2-Dichloro-ethene µg/L	1,1-Di-chloro-ethene µg/L	1,1-Di-chloro-ethane µg/L	1,2-Di-chloro-ethane µg/L	1,1,1-Tri-chloro-ethane µg/L	Tri-chloro-ethene µg/L	Tetra-chloro-ethene µg/L	Toluene µg/L	Ethyl-benzene µg/L	total Xylenes µg/L	Benzene µg/L	total VOCs µg/L	dissolved Arsenic mg/L	total Cyanide mg/L
HYCP-7s	12/21/11		0.2 U	1.0 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	ND	NA	NA
HYCP-7s	03/14/12		0.2 U	1.0 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	ND	NA	NA
HYCP-7s	09/17/12		0.2 U	1.0 U	0.5 U	1	0.5 U	0.5 U	0.920	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	0.920	NA	NA
HYCP-7s	12/21/12		0.2 U	1.0 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	ND	NA	NA
HYCP-7s	03/14/13		0.2 U	1.0 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	ND	NA	NA
HYCP-7s	06/13/13		0.2 U	1.0 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	ND	NA	NA
HYCP-7s	09/10/13		0.2 U	1.0 U	0.5 U	1	0.5 U	0.5 U	0.530	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	0.530	NA	NA
HYCP-7s	12/26/13		0.2 U	1.0 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	ND	NA	NA
HYCP-7s	03/19/14		0.2 U	1.0 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	ND	NA	NA
HYCP-7s	06/24/14		0.2 U	1.0 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	ND	NA	NA
HYCP-7s	09/14/14		0.2 U	1.0 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	ND	NA	NA
HYCP-7s	12/11/14		0.2 U	1.0 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	ND	NA	NA
HYCP-7s	03/24/15		0.2 U	1.0 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	ND	NA	NA
HYCP-7s	06/29/15		0.2 U	1.0 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	ND	NA	NA
HYCP-7s	09/01/15		0.2 U	1.0 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	ND	NA	NA

Groundwater Chemistry - Well HYCP-7s
BSB Property, Kent, Washington



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3. The original CMS (activated in August 1992) was replaced with a soil-bentonite cutoff wall in October 2011.

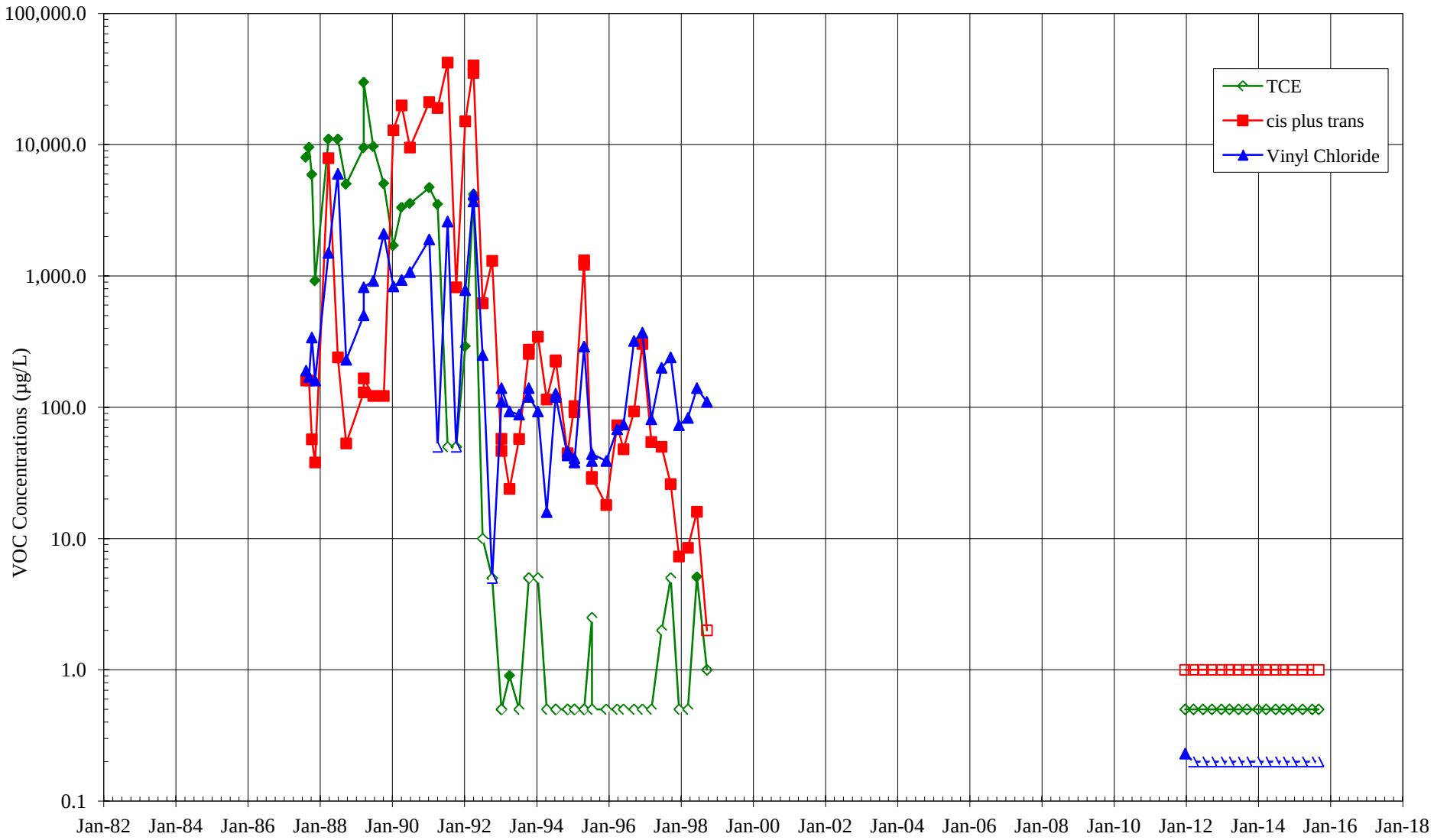
Groundwater Chemistry Data
Well Gi
BSB Property, Kent, Washington

Site	Date	Note	Vinyl Chloride µg/L	Methylene Chloride µg/L	trans-1,2-Dichloro-ethene µg/L	cis+trans	cis-1,2-Dichloro-ethene µg/L	1,1-Di-chloro-ethene µg/L	1,1-Di-chloro-ethane µg/L	1,2-Di-chloro-ethane µg/L	1,1,1-Tri-chloro-ethane µg/L	Tri-chloro-ethene µg/L	Tetra-chloro-ethene µg/L	Toluene µg/L	Ethyl-benzene µg/L	total Xylenes µg/L	Benzene µg/L	total VOCs µg/L	dissolved Arsenic mg/L	total Cyanide mg/L
Gi	08/11/87		190	5 U	160	160		310	1 U	1 U	1 U	8000	1 U	5	1 U	1 U		8,665	0.006	0.005 U
Gi	09/09/87		170	5 U	160	160		490	1 U	1 U	1 U	9500	1 U	1 U	1 U	1 U		10,320	0.005 U	0.005 U
Gi	10/08/87		340	5 U	57	57		170	1 U	1 U	1 U	5900	1 U	5	1 U	2	1 U	6,474	0.005	0.005 U
Gi	11/10/87		160	7	38	38		62	1 U	1 U	1 U	920	1 U	2	1 U	1 U		1,189	0.005 U	0.005 U
Gi	03/24/88		1500	500 U	100 U	7900	7800	150	100 U	100 U	100 U	11000	100 U	100 U	100 U	100 U		20,450	0.005 U	0.005 U
Gi	06/28/88		6000	150	240	240		100 U	100 U	100 U	100 U	11000	100 U	100 U	100 U	100 U		17,390	0.005 U	0.014
Gi	09/20/88		230	13	53	53		46	1 U	4	1 U	5000	1 U	5	1	1		5,353	0.005 U	0.007
Gi	03/16/89		502	1 U	130	130		237	1 U	1 U	1 U	9480	1 U	1 U	7	2 U		10,356	0.005 U	0.01 U
Gi	03/16/89	Dupl	821	1 U	166	166		347	1 U	1 U	1 U	29800	1 U	20	10	2 U		31,164	0.005 U	0.01 U
Gi	06/21/89		917		122	122		197	1 U	1 U	1 U	9690	2 U	6.8	1 U	2 U	1 U	10,933	0.005 U	0.01 U
Gi	10/05/89		2100	1 U	122	122		136	1.6	1 U	1 U	5050	1 U	3.8	1 U	1 U	1 U	7,413	0.005 U	0.01 U
Gi	01/11/90		833		91	12891	12800	102	1 U	7.1 U	1 U	1700	1 U	4.1	1 U	1.5	1 U	15,532	0.005 U	0.01 U
Gi	04/04/90		932	2 U	116	19916	19800	138	9.6	0.5 U	0.5 U	3330	0.7	5.2	0.5 U	1 U	0.5 U	24,332	0.005 U	0.01 U
Gi	06/27/90		1070	2 U	74.3	9514.3	9440	120	0.5 U	0.5 U	5.5	3570	0.6	7.6	0.5	2.4	1.9	14,293	0.005 U	0.01 U
Gi	01/08/91		1900	100 U	110	21110	21000	160	50 U	50 U	50 U	4700	25 U	50 U	50 U	50 U	50 U	27,870	0.005 U	0.01 U
Gi	04/02/91		50 U	200 U	50 U	19050	19000	50 U	50 U	50 U	50 U	3500	50 U	100 U	100 U	100 U	50 U	22,500	0.005 U	0.01 U
Gi	07/13/91		2600	200 U	220	42220	42000	50 U	50 U	50 U	50 U	50 U	50 U	100 U	100 U	100 U	50 U	44,820	0.005 U	0.01 U
Gi	10/08/91		50 U	200 U	50 U	820	770	50 U	50 U	50 U	50 U	50 U	50 U	100 U	100 U	100 U	50 U	770	0.005 U	0.01 U
Gi	01/08/92		780	20 U	73	15073	15000	64	5 U	5 U	5 U	290	5 U	10 U	10 U	10 U	5 U	16,207	0.005 U	0.01 U
Gi	03/31/92		4200	100 U	210	40210	40000	180	28	10 U	10 U	4200	10 U	12	10 U	10 U	10 U	48,830	0.005 U	0.01 U
Gi	03/31/92	Dupl	3700	100 U	220	35220	35000	170	27	10 U	10 U	3800	10 U	11	10 U	10 U	10 U	42,928	0.005 U	0.01 U
Gi	07/02/92		250	100 U	10 U	620	610	10 U	14	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	874	0.005 U	0.01 U
Gi	10/07/92		5 U	20 U	5 U	1305	1300	5 U	5 U	5 U	5 U	5 U	5 U					1300	0.005 U	0.01 U
Gi	01/08/93		110	2 U	0.5 U	46.5	46	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	156	0.005 U	0.01 U
Gi	01/08/93	Dupl	140	2 U	0.5 U	57.5	57	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	197	0.005 U	0.01 U
Gi	03/31/93		93	3	0.9	23.9	23	2.6	0.5 U	0.5 U	0.5 U	0.9	0.5 U	1 U	1 U	1 U	0.5 U	123.4	0.005 U	0.01 U
Gi	07/06/93		88	5 U	1.3	57.3	56	1.9	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	147	0.005 U	0.01 U
Gi	10/12/93		140	50 U	5 U	275	270	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U	10 U	5 U	410	0.005 U	0.01 U
Gi	10/12/93	Dupl	120	50 U	5 U	255	250	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U	10 U	5 U	370	0.005 U	0.01 U
Gi	01/12/94		93	20 U	5 U	345	340	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U	10 U	5 U	433	0.005 U	0.01 U
Gi	04/11/94		15.9	2 U	0.6	114.6	114	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	131	0.005 U	0.01 U
Gi	07/11/94		127	2 U	0.9	222.9	222	0.5 U	2	0.5 U	0.5 U	0.5 U	0.5 U	1	1 U	1	0.5 U	354	0.005 U	0.01 U
Gi	07/11/94	Dupl	120	2 U	1	228	227	0.5 U	2	0.5 U	0.5 U	0.5 U	0.5 U	2	1 U	2	0.5 U	354	0.005 U	0.01 U
Gi	11/09/94		43	2 U	0.7	43.7	43	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	86.7	0.005 U	0.01 U
Gi	11/09/94	Dupl	46	2 U	0.7	44.7	44	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	90.7	0.005 U	0.01 U
Gi	01/17/95		41	2 U	1.1	102.1	101	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	143	0.005 U	0.01 U
Gi	01/17/95	Dupl	38	2 U	0.7	91.7	91	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	130	0.005 U	0.01 U
Gi	04/25/95		290	2 U	17	1317	1300	5.7	4.5	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	1,617	0.006	0.01 U
Gi	04/25/95	Dupl	290	2 U	18	1218	1200	5.8	4.5	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	1,518	0.006	0.01 U
Gi	07/13/95		39	25 U	2.5 U	28.5	26	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	1 U	1 U	1 U	0.5 U	65.0	0.005 U	0.01 U
Gi	07/13/95	Dupl	44	5 U	0.5 U	29.5	29	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	73.5	0.005 U	0.01 U
Gi	12/05/95		39	2 U	0.5 U	18	18	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	57.0	0.005 U	0.01 U
Gi	03/25/96		68	2 U	0.9	72.9	72	0.5 U	0.9	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	141.8	0.005 U	0.01 U
Gi	05/28/96		74	2	0.9	47.9	47	0.5 U	1.8	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	125.7	0.005 U	0.01 U
Gi	09/11/96		320	2 U	2	93	91	0.7	2.1	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	416	0.005 U	0.01 U
Gi	12/05/96		370	2 U	3.4	303.4	300	1.1	3.1	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	678	0.005 U	0.01 U
Gi	03/05/97		81	2 U	1.4	54.4	53	0.5 U	1.6	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5	138	0.005 U	0.01 U
Gi	06/17/97		200	10 U	2 U	50	50	2 U	2 U	2 U	2 U	2 U	2 U	1 U	1 U	1 U	0.5 U	250	0.005 U	0.01 U
Gi	09/17/97		240	50 U	5 U	26	26	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U	10 U	5 U	266	0.005 U	0.01 U
Gi	12/10/97		73	5 U	0.5 U	7.3	7.3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	80.3	0.005 U	0.01 U
Gi	03/11/98		83	5 U	0.5 U	8.5	8	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	91.0	0.005 U	0.01 U
Gi	06/10/98		140	10 U	1 U	16	15	1 U	1 U	1 U	1 U	5.1	1 U	2 U	2 U	2 U	1 U	160	0.005 U	0.01 U
Gi	09/19/98		110	10 U	1 U	2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	2 U	2 U	1 U	110	0.005 U	0.01 U
Gi	12/21/11		0.230	1 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	0.230	NA	NA
Gi	03/14/12		0.2 U	1 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	ND	NA	NA

Groundwater Chemistry Data
Well Gi
BSB Property, Kent, Washington

Site	Date	Note	Vinyl Chloride µg/L	Methylene Chloride µg/L	trans-1,2-Dichloro-ethene µg/L	cis+trans	cis-1,2-Dichloro-ethene µg/L	1,1-Di-chloro-ethene µg/L	1,1-Di-chloro-ethane µg/L	1,2-Di-chloro-ethane µg/L	1,1,1-Tri-chloro-ethane µg/L	Tri-chloro-ethene µg/L	Tetra-chloro-ethene µg/L	Toluene µg/L	Ethyl-benzene µg/L	total Xylenes µg/L	Benzene µg/L	total VOCs µg/L	dissolved Arsenic mg/L	total Cyanide mg/L
Gi	06/18/12		0.2 U	1 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	ND	NA	NA
Gi	09/17/12		0.2 U	1 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	ND	NA	NA
Gi	12/21/12		0.2 U	1 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	ND	NA	NA
Gi	03/13/13		0.2 U	1 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	ND	NA	NA
Gi	06/12/13		0.2 U	1 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	ND	NA	NA
Gi	09/06/13		0.2 U	1 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	ND	NA	NA
Gi	12/26/13		0.2 U	1 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	ND	NA	NA
Gi	03/19/14		0.2 U	1 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	ND	NA	NA
Gi	06/24/14		0.2 U	1 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	ND	NA	NA
Gi	09/10/14		0.2 U	1 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	ND	NA	NA
Gi	12/10/14		0.2 U	1 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	ND	NA	NA
Gi	03/23/15		0.2 U	1 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	ND	NA	NA
Gi	06/29/15		0.2 U	1 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	ND	NA	NA
Gi	09/02/15		0.2 U	1 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	ND	NA	NA

Groundwater Chemistry - Well Gi
BSB Property, Kent, Washington



Notes: 1. All results detected below the MRLs are shown as hollow data points .
2. Site Cleanup Levels: TCE = 30 µg/L, cDCE = 70 µg/L, and Vinyl Chloride = 0.2 µg/L.
3. The original CMS (activated in August 1992) was replaced with a soil-bentonite cutoff wall in October 2011.

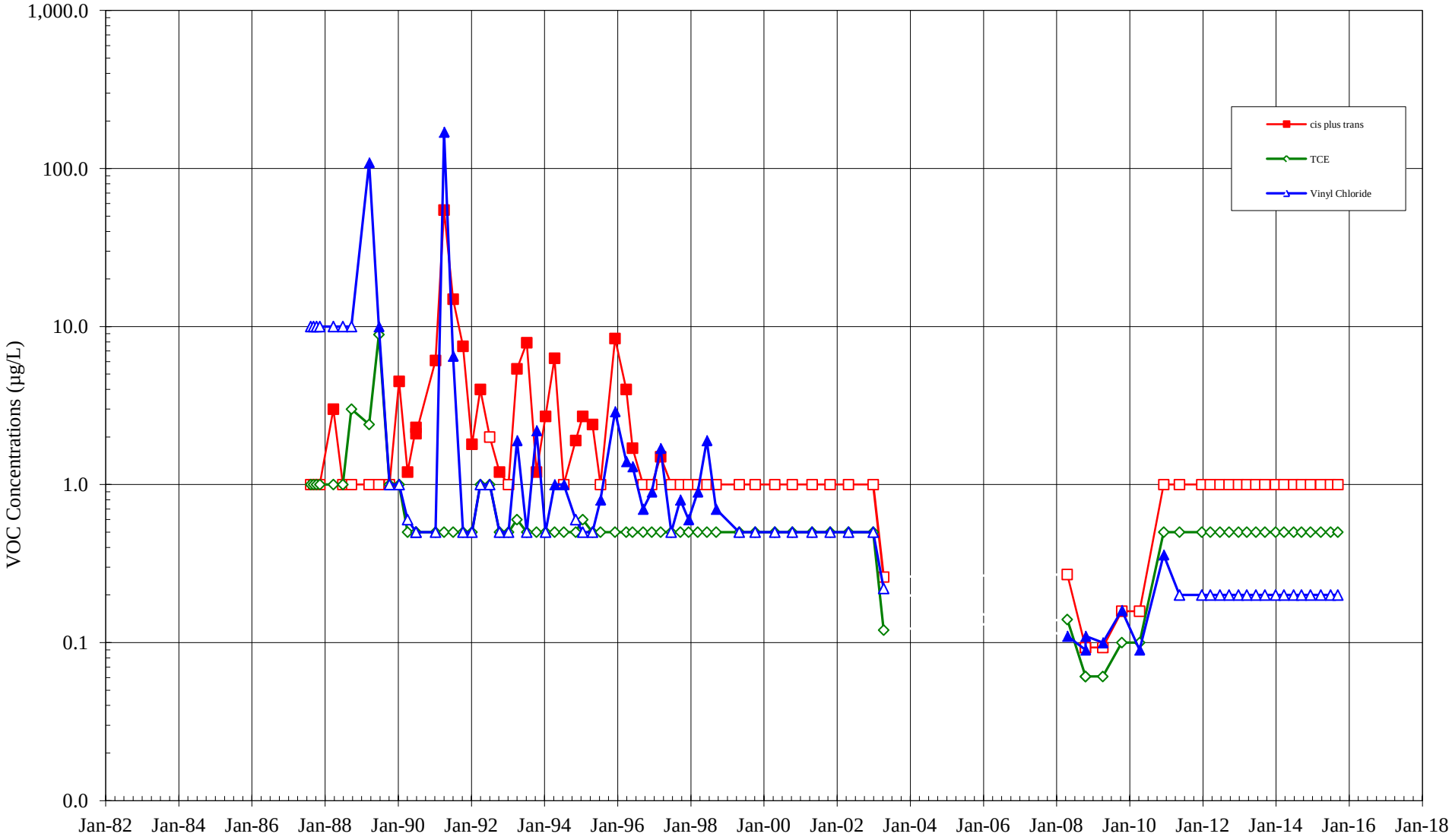
Groundwater Chemistry Data
Well Hi
BSB Property, Kent, Washington

Site	Date	Note	Vinyl Chloride µg/L	Methylene Chloride µg/L	trans-1,2-Dichloro-ethene µg/L	cis+trans	cis-1,2-Dichloro-ethene µg/L	1,1-Di-chloro-ethene µg/L	1,1-Di-chloro-ethane µg/L	1,2-Di-chloro-ethane µg/L	1,1,1-Tri-chloro-ethane µg/L	Tri-chloro-ethene µg/L	Tetra-chloro-ethene µg/L	Toluene µg/L	Ethyl-benzene µg/L	total Xylenes µg/L	Benzene µg/L	total VOCs µg/L	dissolved Arsenic mg/L	total Cyanide mg/L
Hi	08/11/87		10 U	5 U	1 U	1		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U		ND	0.005 U	0.005 U
Hi	09/08/87		10 U	5 U	1 U	1		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U		ND	0.005 U	0.005 U
Hi	10/08/87		10 U	5 U	1 U	1		1 U	1 U	1 U	1 U	1	1 U	1 U	1 U	1 U		1	0.005 U	0.005 U
Hi	11/10/87		10 U	5 U	1 U	1		1 U	1 U	1 U	1 U	1	1 U	1 U	1 U	1 U		1	0.005 U	0.005 U
Hi	03/24/88		10 U	13	1 U	3	2	1 U	1 U	1 U	1 U	1 U	1 U	2	1 U	1 U		17	0.005 U	0.006
Hi	06/27/88		10 U	5	1 U	1		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U		5	0.005 U	0.005 U
Hi	09/21/88		10 U	5 U	1 U	1		1 U	1 U	1 U	1 U	3	1 U	1 U	1 U	1 U		3	0.005 U	0.012
Hi	03/16/89		109	1 U	1 U	1		1 U	1.1	1 U	1 U	2.4	1 U	1 U	1 U	2 U		113	0.005 U	0.01
Hi	06/22/89		10		1 U	1		1 U	1 U	1 U	1 U	8.9	2 U	1 U	1 U	2 U	1 U	18.9	0.005 U	0.02
Hi	10/05/89		1 U	1 U	1 U	1		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	ND	0.005 U	0.01 U
Hi	01/10/90		1 U	1 U	1 U	4.5	3.5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	3.5	0.005 U	0.02
Hi	04/04/90		0.6	2 U	0.5 U	1.2	0.7	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	1.3	0.005 U	0.01
Hi	06/27/90		0.5 U	2 U	0.5 U	2.3	1.8	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.8	0.5 U	1 U	0.6	3.2	0.005 U	0.02 U
Hi	06/27/90	Dupl	0.5 U	2 U	0.5 U	2.1	1.6	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.8	0.5 U	1 U	0.6	3	0.005 U	0.02 U
Hi	01/08/91		0.5 U	2 U	0.5 U	6.1	5.6	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.1	1 U	1 U	0.5 U	6.7	0.005 U	0.01
Hi	04/03/91		170	2 U	0.5 U	54.6	54.1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	224	0.005 U	0.01 U
Hi	07/03/91		6.5	2 U	0.5 U	14.9	14.4	0.5 U	0.5 U	0.5 U	1.1	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	22	0.005 U	0.02
Hi	10/09/91		0.5 U	2 U	0.5 U	7.5	7	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	7	0.005 U	0.01 U
Hi	01/07/92		0.5 U	2 U	0.5 U	1.8	1.3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.8	2.1	0.005 U	0.01
Hi	03/31/92		1 U	10 U	1 U	4	3	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	3	0.005 U	0.01 U
Hi	07/02/92		1 U	10 U	1 U	2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	ND	0.005 U	0.01
Hi	10/08/92		0.5 U	2 U	0.5 U	1.2	0.7	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U					0.7	0.005 U	0.01 U
Hi	01/06/93		0.5 U	2 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	ND	0.005 U	0.01 U
Hi	03/31/93		1.9	4	0.5 U	5.4	4.9	0.5 U	0.5 U	0.5 U	0.5 U	0.6	0.5 U	1 U	1 U	1 U	0.5 U	11.4	0.005 U	0.01 U
Hi	07/07/93		0.5 U	7	0.5 U	7.9	7.4	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	15.4	0.005 U	0.01 U
Hi	10/12/93		2.2	2 U	0.5 U	1.2	0.7	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	2.9	0.005 U	0.01 U
Hi	01/11/94		0.5	2 U	0.5 U	2.7	2.2	0.5 U	0.5 U	0.5 U	0.5 U	0.5	0.5 U	1 U	1 U	1 U	0.5 U	3.2	0.005 U	0.01 U
Hi	04/11/94		1	2 U	0.5 U	6.3	5.8	0.5 U	10.3	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	17.1	0.005 U	0.01 U
Hi	07/12/94		1 U	2 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1	1 U	1 U	0.5	1.5	0.005 U	0.01 U
Hi	11/08/94		0.6	2 U	0.5 U	1.9	1.4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	2	0.005 U	0.01 U
Hi	01/17/95		0.5 U	2 U	0.5 U	2.7	2.2	0.5 U	0.5 U	0.5 U	0.5 U	0.6	0.5 U	1 U	1 U	1 U	0.5 U	2.8	0.005 U	0.01 U
Hi	04/25/95		0.5 U	2 U	0.5 U	2.4	1.9	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	1.9	0.005 U	0.01 U
Hi	07/13/95		0.8	5 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	0.8	0.005 U	0.01 U
Hi	12/05/95		2.9	2 U	0.5 U	8.4	7.9	0.5 U	9	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	19.8	0.005 U	0.01 U
Hi	03/26/96		1.4	2 U	0.5 U	4	3.5	0.5 U	6	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	10.9	0.005 U	0.01 U
Hi	05/28/96		1.3	2 U	0.5 U	1.7	1.2	0.5 U	1.3	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	3.8	0.005 U	0.01 U
Hi	09/11/96		0.7	2 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	0.7	0.005 U	0.01 U
Hi	12/06/96		0.9	2 U	0.5 U	1	0.5 U	0.5 U	0.8	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	1.7	0.005 U	0.01 U
Hi	03/05/97		1.7	2 U	0.5 U	1.5	1	0.5 U	1.9	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	4.6	0.005 U	0.01 U
Hi	06/18/97		0.5 U	2 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	ND	0.005 U	0.01 U
Hi	09/18/97		0.8	5 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	0.8	0.005 U	0.01 U
Hi	12/09/97		0.6	5 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	0.6	0.005 U	0.01 U
Hi	03/10/98		0.9	5 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.6	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	1.5	0.005 U	0.01 U
Hi	06/10/98		1.9	5 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	1.9	0.005 U	0.01 U
Hi	09/10/98		0.7	5 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	0.7	0.005 U	0.01 U
Hi	04/29/99		0.5 U	5 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	ND	0.005 U	0.01 U
Hi	10/05/99		0.5 U	5 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	ND	0.005 U	0.01 U
Hi	04/18/00		0.5 U	5 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2	1 U	1 U	0.5 U	2	0.005 U	0.01 U
Hi	10/10/00		0.5 U	1 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.75	0.5 U	1 U	0.5 U	0.75	0.005 U	0.01 U
Hi	04/25/01		0.5 U	1 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	ND	0.005 U	0.01 U

Groundwater Chemistry Data
Well Hi
BSB Property, Kent, Washington

Site	Date	Note	Vinyl Chloride µg/L	Methylene Chloride µg/L	trans-1,2-Dichloro-ethene µg/L	cis+trans	cis-1,2-Dichloro-ethene µg/L	1,1-Di-chloro-ethene µg/L	1,1-Di-chloro-ethane µg/L	1,2-Di-chloro-ethane µg/L	1,1,1-Tri-chloro-ethane µg/L	Tri-chloro-ethene µg/L	Tetra-chloro-ethene µg/L	Toluene µg/L	Ethyl-benzene µg/L	total Xylenes µg/L	Benzene µg/L	total VOCs µg/L	dissolved Arsenic mg/L	total Cyanide mg/L
Hi	10/23/01		0.5 U	1 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	ND	0.005 U	0.01 U
Hi	04/24/02		0.5 U	1 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	ND	0.01 U	0.01 U
Hi	12/27/02		0.5 U	1 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	ND	0.005 U	0.01 U
Hi	04/10/03		0.22 U	0.2 U	0.14 U	0.26	0.12 U	0.12 U	0.091 U	0.12 U	0.12 U	0.12 U	0.11 U	0.11 J	0.13 U	0.299 U	0.11 U	0.11	0.005 U	0.01 U
Hi	04/16/08		0.11 J	0.20 U	0.15 U	0.27	0.12 U	0.13 U	0.11 U	0.12 U	0.12 U	0.14 U	0.13 U	NA	NA	NA	NA	0.11	0.00204	0.002 U
Hi	10/15/08		0.090 J	0.23 U	0.048 U	0.093	0.045 U	0.10 U	0.042 U	0.073 U	0.050 U	0.061 U	0.077 U	NA	NA	NA	NA	0.09	0.0012	0.002 U
Hi	10/15/08	Dupl	0.11 J	0.23 U	0.048 U	0.093	0.045 U	0.10 U	0.042 U	0.073 U	0.050 U	0.061 U	0.077 U	NA	NA	NA	NA	0.11	NA	NA
Hi	04/06/09		0.10 J	0.23 U	0.048 U	0.093	0.045 U	0.10 U	0.042 U	0.073 U	0.050 U	0.061 U	0.077 U	NA	NA	NA	NA	0.10	0.003	0.003 U
Hi	10/13/09		0.16 J	0.17 U	0.091 U	0.158	0.067 U	0.074 U	0.077 U	0.08 U	0.075 U	0.1 U	0.066 U	NA	NA	NA	NA	0.16	0.0019	0.004 J
Hi	04/09/10		0.09 J	0.17 U	0.091 U	0.158	0.067 U	0.074 U	0.077 U	0.08 U	0.075 U	0.1 U	0.066 U	NA	NA	NA	NA	0.09	0.0026	0.003 J
Hi	12/06/10		0.360	1.0 U	0.5 U	1.0	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	0.36	0.001 U	0.05 U
Hi	05/12/11		0.2 U	1.0 U	0.5 U	1.0	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	ND	0.001 U	0.05 U
Hi	12/21/11		0.2 U	1.0 U	0.5 U	1.0	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	ND	NA	NA
Hi	03/15/12		0.2 U	1.0 U	0.5 U	1.0	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	ND	NA	NA
Hi	06/19/12		0.2 U	1.0 U	0.5 U	1.0	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	ND	NA	NA
Hi	09/18/12		0.2 U	1.0 U	0.5 U	1.0	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	ND	NA	NA
Hi	12/21/12		0.2 U	1.0 U	0.5 U	1.0	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	ND	NA	NA
Hi	03/14/13		0.2 U	1.0 U	0.5 U	1.0	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	ND	NA	NA
Hi	06/13/13		0.2 U	1.0 U	0.5 U	1.0	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	ND	NA	NA
Hi	09/11/13		0.2 U	1.0 U	0.5 U	1.0	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	ND	NA	NA
Hi	12/27/13		0.2 U	1.0 U	0.5 U	1.0	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	ND	NA	NA
Hi	03/20/14		0.2 U	1.0 U	0.5 U	1.0	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	ND	NA	NA
Hi	06/25/14		0.2 U	1.0 U	0.5 U	1.0	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	ND	NA	NA
Hi	09/11/14		0.2 U	1.0 U	0.5 U	1.0	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	ND	NA	NA
Hi	12/10/14		0.2 U	1.0 U	0.5 U	1.0	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	ND	NA	NA
Hi	03/23/15		0.2 U	1.0 U	0.5 U	1.0	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	ND	NA	NA
Hi	06/29/15		0.2 U	1.0 U	0.5 U	1.0	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	ND	NA	NA
Hi	09/09/15		0.2 U	1.0 U	0.5 U	1.0	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	ND	NA	NA

Groundwater Chemistry - Well Hi
BSB Property, Kent, Washington



Notes: 1. All results detected below the MRLs are shown as hollow data points .
2. Site Cleanup Levels: TCE = 30 µg/L, cDCE = 70 µg/L, and Vinyl Chloride = 0.2 µg/L.
3. The original CMS (activated in August 1992) was replaced with a soil-bentonite cutoff wall in October 2011.

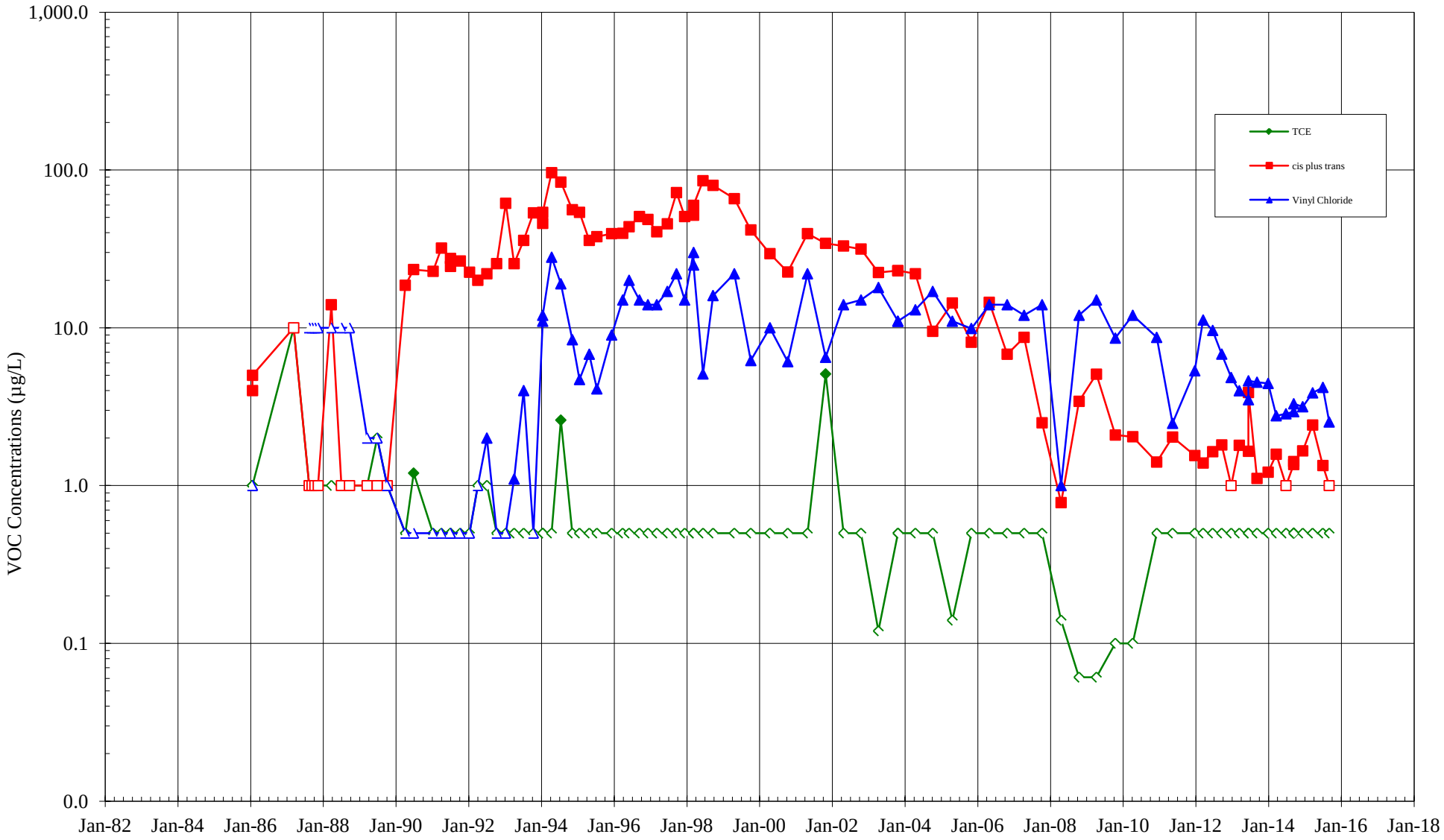
Groundwater Chemistry Data
Well HY-1i
BSB Property, Kent, Washington

Site	Date	Note	Vinyl Chloride µg/L	Methylene Chloride µg/L	trans-1,2-Dichloro-ethene µg/L	cis+trans	cis-1,2-Dichloro-ethene µg/L	1,1-Di-chloro-ethene µg/L	1,1-Di-chloro-ethane µg/L	1,2-Di-chloro-ethane µg/L	1,1,1-Tri-chloro-ethane µg/L	Tri-chloro-ethene µg/L	Tetra-chloro-ethene µg/L	Toluene µg/L	Ethyl-benzene µg/L	total Xylenes µg/L	Benzene µg/L	total VOCs µg/L	dissolved Arsenic mg/L	total Cyanide mg/L
HY-1i	01/20/86		1 U	10 U	4	4		1 U	2		1 U	1 U	1 U	1 U	1 U	1 U		6.00		
HY-1i	01/20/86	Dupl	1 U	10 U	5	5		1 U	2		1 U	1 U	1 U	1 U	1 U	1 U		7.00		
HY-1i	03/10/87		U	50 U	10 U	10		10 U	10 U		10 U	10 U	10 U	10 U	10 U	10 U		ND		
HY-1i	08/12/87		10 U	5 U	1 U	1		1 U	4	1 U	1 U	1 U	1 U	1 U	1 U	1 U		4.00	0.005 U	0.005 U
HY-1i	09/10/87		10 U	5 U	1 U	1		1 U	3	1 U	1 U	1 U	1 U	1 U	1 U	1 U		3.00	0.005 U	0.005 U
HY-1i	10/08/87		10 U	5 U	1 U	1		1 U	3	1 U	1 U	1 U	1 U	1 U	1 U	1 U		3.00	0.005 U	0.005 U
HY-1i	11/10/87		10 U	5 U	1 U	1		1 U	4	1 U	6	1 U	1 U	1 U	1 U	1 U		10.0	0.005 U	0.005 U
HY-1i	03/21/88		10 U	5 U	1 U	14	13	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U		13.0	0.005 U	0.005 U
HY-1i	06/30/88		10 U	7	1 U	1		1 U	2	1 U	1 U	1 U	1 U	1 U	1 U	1 U		9.00	0.005 U	0.005 U
HY-1i	09/20/88		10 U	7	1 U	1		1 U	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U		8.00	0.005 U	0.005 U
HY-1i	03/17/89		2 U	1 U	1 U	1		1 U	1.3	1 U	1 U	1 U	1 U	1 U	1 U	2 U		1.30	0.005 U	0.01 U
HY-1i	06/26/89		2 U		1 U	1		1 U	2.5	1 U	1 U	2 U	2 U	1 U	1 U	2 U	1 U	2.50	0.005 U	0.01 U
HY-1i	10/05/89		1 U	1 U	1 U	1		1 U	3.9	1 U	1 U	1 U	1 U	1 U	1 U	2 U	1 U	3.90	0.005 U	0.01 U
HY-1i	04/03/90		0.5 U	2 U	0.5 U	18.6	18.1	0.5 U	0.5 U	1.1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	19.2	0.005 U	0.03
HY-1i	06/26/90		0.5 U	2 U	0.5 U	23.4	22.9	0.5 U	1.7	0.5 U	0.5 U	1.2	0.5 U	0.5 U	0.5 U	1 U	0.5 U	25.8	0.005 U	0.01 U
HY-1i	01/08/91		0.5 U	2 U	0.5 U	22.8	22.3	0.5 U	0.5	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.6	23.4	0.005 U	0.01 U
HY-1i	04/02/91		0.5 U	2 U	0.5 U	32	31.5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	3.1	0.5 U	34.6	0.005 U	0.01 U
HY-1i	07/02/91		0.5 U	2 U	0.5 U	27.5	27	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	27.0	0.005 U	0.01 U
HY-1i	07/02/91	Dupl	0.5 U	2 U	0.5 U	24.5	24	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	24.0	0.005 U	0.01 U
HY-1i	10/08/91		0.5 U	2 U	0.5 U	26.5	26	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	26.0	0.005 U	0.01 U
HY-1i	01/09/92		0.5 U	2 U	0.5 U	22.5	22	0.5 U	1.5	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	23.5	0.005 U	0.01 U
HY-1i	04/01/92		1 U	10 U	1 U	20	19	1 U	2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	21.0	0.005 U	0.01 U
HY-1i	07/01/92	#1	2	10 U	1 U	22	21	1 U	2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	25.0	0.005 U	0.01 U
HY-1i	10/07/92		0.5 U	2 U	0.5 U	25.5	25	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U					25.0	0.005 U	0.01 U
HY-1i	01/06/93		0.5 U	2 U	0.5 U	61.5	61	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	61.0	0.005 U	0.01 U
HY-1i	04/01/93		1.1	3	0.5 U	25.5	25	0.9	2	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	32.0	0.005 U	0.01 U
HY-1i	07/06/93		4	5 U	0.8	35.8	35	0.5 U	2.3	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	42.1	0.005 U	0.01 U
HY-1i	10/12/93		0.5 U	5 U	0.5 U	53.5	53	1.1	1.3	0.5 U	0.5 U	0.5 U	0.5 U	1	1 U	3	0.6	60.0	0.005 U	0.01 U
HY-1i	01/13/94		11	5 U	0.9	45.9	45	9.3	2.2	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	68.4	0.005 U	0.01 U
HY-1i	01/13/94	Dupl	12	5 U	0.9	53.9	53	9.8	2.1	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	77.8	0.005 U	0.01 U
HY-1i	04/13/94		28	2 U	0.9	96.1	95.2	0.6	2	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	127	0.005 U	0.01 U
HY-1i	07/14/94		19	2 U	0.5	83.8	83.3	0.5 U	0.8	0.5 U	0.5 U	2.6	0.5 U	1 U	1 U	1 U	0.5 U	106	0.005 U	0.01 U
HY-1i	11/07/94		8.4	2 U	1	56	55	0.5 U	1.6	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	66.0	0.005 U	0.01 U
HY-1i	01/18/95		4.7	2 U	0.9	53.9	53	0.5 U	1.4	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	60.0	0.005 U	0.01 U
HY-1i	04/26/95		6.8	2 U	0.8	35.8	35	0.5 U	1.3	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	43.9	0.005 U	0.01 U
HY-1i	07/11/95		4.1	2 U	0.8	37.8	37	0.5 U	1.3	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	43.2	0.005 U	0.01 U
HY-1i	12/07/95		9	2 U	0.5 U	39.5	39	0.5 U	1.1	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	49.1	0.005 U	0.01 U
HY-1i	03/27/96		15	2 U	0.7	39.7	39	0.5 U	1.5	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	56.2	0.005 U	0.01 U
HY-1i	05/30/96		20	2 U	0.7	43.7	43	0.5 U	1.5	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	65.2	0.005 U	0.01 U
HY-1i	09/11/96		15	2 U	0.7	50.7	50	0.5 U	1.3	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	67.0	0.005 U	0.01 U
HY-1i	12/05/96		14	2 U	0.6	48.6	48	0.5 U	1.1	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	63.7	0.005 U	0.01 U
HY-1i	03/04/97		14	2 U	0.6	40.6	40	0.5 U	1.2	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	55.8	0.005 U	0.01 U
HY-1i	06/18/97		17	2 U	0.6	45.6	45	0.5 U	1.4	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	64.0	0.005 U	0.01 U
HY-1i	09/18/97		22	5 U	0.9	71.9	71	0.5 U	1.7	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	95.6	0.005 U	0.01 U
HY-1i	12/09/97		15	5 U	0.7	50.7	50	0.5 U	1.1	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	66.8	0.005 U	0.01 U
HY-1i	03/09/98		30	5 U	0.7	51.7	51	0.5 U	1.4	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	83.1	0.005 U	0.01 U
HY-1i	03/09/98	Dupl	25	5 U	0.7	59.7	59	0.5 U	1.5	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	86.2	0.005 U	0.01 U
HY-1i	06/11/98		5.1	5 U	0.5 U	85.5	85	0.5 U	0.7	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	90.8	0.005 U	0.01 U
HY-1i	09/20/98		16	5 U	0.9	79.9	79	0.5 U	1.4	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	97.3	0.005 U	0.01 U
HY-1i	04/22/99		22	5 U	0.8	65.8	65	0.5 U	1.2	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	89.0	0.005 U	0.01 U
HY-1i	10/05/99		6.2	5 U	0.7	41.7	41	0.5 U	0.8	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	48.7	0.005 U	0.01 U
HY-1i	04/14/00		10	5 U	0.5 U	29.5	29	0.5 U	0.7	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	39.7	0.005 U	0.01 U
HY-1i	10/10/00		6.1	1 U	0.57	22.57	22	0.5 U	0.65	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	29.3	0.005 U	0.01 U

Groundwater Chemistry Data
Well HY-1i
BSB Property, Kent, Washington

Site	Date	Note	Vinyl Chloride µg/L	Methylene Chloride µg/L	trans-1,2-Dichloro-ethene µg/L	cis+trans	cis-1,2-Dichloro-ethene µg/L	1,1-Di-chloro-ethene µg/L	1,1-Di-chloro-ethane µg/L	1,2-Di-chloro-ethane µg/L	1,1,1-Tri-chloro-ethane µg/L	Tri-chloro-ethene µg/L	Tetra-chloro-ethene µg/L	Toluene µg/L	Ethyl-benzene µg/L	total Xylenes µg/L	Benzene µg/L	total VOCs µg/L	dissolved Arsenic mg/L	total Cyanide mg/L
HY-1i	04/26/01		22	1 U	0.5 U	39.5	39	0.5 U	0.9	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	62.4	0.005 U	0.01 U
HY-1i	10/25/01		6.5	1 U	1.3	34.3	33	0.5 U	0.53	0.5 U	0.5 U	5.1	0.5 U	0.5 U	0.5 U	1 U	0.5 U	46.4	0.005 U	0.01 U
HY-1i	04/23/02		14	1 U	0.5 U	33	33	0.5 U	0.59	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	47.6	0.005 U	0.01
HY-1i	10/16/02		15	2 U	0.56	31.56	31	0.5 U	0.66	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	47.2	0.005 U	0.01 U
HY-1i	04/09/03		18	0.2 U	0.41 J	22.41	22	0.18 J	0.42 J	0.12 U	0.12 U	0.12 U	0.11 U	0.13 J	0.13 U	0.299 U	0.11 U	41.1	0.005 U	0.01 U
HY-1i	10/21/03		11	2 U	0.5 U	23	23	0.54	0.51	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	35.1	0.005 U	0.01 U
HY-1i	10/21/03	Dupl	11	2 U	0.5 U	23	23	0.5 U	0.51	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	34.5	0.005 U	0.01 U
HY-1i	04/14/04		13	2 U	0.5 U	22	22	0.5 U	0.5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	35.5	0.005 U	0.01 U
HY-1i	10/05/04		17	2 U	0.5 U	9.5	9.5	0.5 U	0.51	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	27.0	0.005 U	0.01 U
HY-1i	04/20/05		11	0.2 U	0.36 J	14.36	14	0.13 U	0.5	0.12 U	0.12 U	0.14 U	0.13 U	0.48 J	0.13 U	0.33 U	0.14 U	26.3	0.0013 J	0.004 J
HY-1i	10/28/05		9.9	2 U	0.5 U	8.1	7.6	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	17.5	0.0006	0.01
HY-1i	04/26/06		14	2 U	0.5 U	14.5	14	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	28.0	0.005 U	0.01 U
HY-1i	10/23/06		14	2 U	0.5 U	6.8	6.3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	20.3	0.005 U	0.01 U
HY-1i	04/11/07		12	2 U	0.5 U	8.7	8.2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	20.2	0.005 U	0.007 J
HY-1i	10/09/07		14	2 U	0.5 U	2.5	2	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	16.0	0.005 U	0.01 U
HY-1i	04/17/08		1.0	0.20 U	0.15 U	0.78	0.63	0.13 U	0.17 J	0.12 U	0.12 U	0.14 U	0.13 U	NA	NA	NA	NA	1.80	0.00018 J	0.002 U
HY-1i	10/15/08		12	0.23 U	0.12 J	3.42	3.3	0.1 U	0.36 J	0.073 U	0.050 U	0.061 U	0.077 U	NA	NA	NA	NA	15.8	0.0002 U	0.002 U
HY-1i	04/07/09		15	0.23 U	0.18 J	5.08	4.9	0.1 U	0.49 J	0.073 U	0.050 U	0.061 U	0.077 U	NA	NA	NA	NA	20.6	0.0002 U	0.003 U
HY-1i	10/14/09		8.6	0.17 U	0.091 U	2.091	2.0	0.074 U	0.35 J	0.08 U	0.075 U	0.1 U	0.066 U	NA	NA	NA	NA	11.0	0.0005	0.003 U
HY-1i	04/07/10		12	0.17 U	0.14 J	2.04	1.9	0.074 U	0.39 J	0.08 U	0.075 U	0.1 U	0.066 U	NA	NA	NA	NA	14.4	0.00022 J	0.003 U
HY-1i	12/03/10		8.69	1.0 U	0.5 U	1.41	0.910	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	9.60	0.001 U	0.05 U
HY-1i	05/12/11		2.48	1.0 U	0.5 U	2.03	1.53	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	4.01	0.001 U	0.05 U
HY-1i	12/21/11		5.34	1.0 U	0.5 U	1.55	1.05	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	6.39	NA	NA
HY-1i	03/14/12		11.2	1.0 U	0.5 U	1.39	0.890	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	12.1	NA	NA
HY-1i	06/18/12		9.62	1.0 U	0.5 U	1.64	1.14	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	10.8	NA	NA
HY-1i	09/17/12		6.81	1.0 U	0.5 U	1.81	1.31	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	8.12	NA	NA
HY-1i	12/20/12		4.84	1.0 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	4.84	NA	NA
HY-1i	03/12/13		3.99	1.0 U	0.5 U	1.8	1.3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	5.29	NA	NA
HY-1i	06/12/13		3.50	0.5 U	0.5 U	1.65	1.15 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	4.65	NA	NA
HY-1i	06/12/13	Dupl	4.61	0.5 U	0.5 U	3.89	3.39 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	8.00	NA	NA
HY-1i	09/06/13		4.52	1.0 U	0.5 U	1.11	0.610	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	5.13	NA	NA
HY-1i	12/27/13		4.44	1.0 U	0.5 U	1.216	0.716	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	5.16	NA	NA
HY-1i	03/18/14		2.77	1.0 U	0.5 U	1.58	1.08	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	3.85	NA	NA
HY-1i	06/24/14		2.85	1.0 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	2.85	NA	NA
HY-1i	09/10/14		2.94	1.0 U	0.5 U	1.36	0.860	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	3.80	NA	NA
HY-1i	09/10/14	Dupl	3.30	1.0 U	0.5 U	1.42	0.920	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	4.22	NA	NA
HY-1i	12/09/14		3.16	1.0 U	0.5 U	1.66	1.16	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	4.32	NA	NA
HY-1i	03/19/15		3.87	1.0 U	0.5 U	2.42	1.92	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	5.79	NA	NA
HY-1i	06/30/15		4.19	1.0 U	0.5 U	1.34	0.840	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	5.03	NA	NA
HY-1i	09/01/15		2.53	1.0 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	2.53	NA	NA

Groundwater Chemistry - Well HY-1i
BSB Property, Kent, Washington



Notes: 1. All results detected below the MRLs are shown as hollow data points .
2. Site Cleanup Levels: TCE = 30 µg/L, cDCE = 70 µg/L, and Vinyl Chloride = 0.2 µg/L.
3. The original CMS (activated in August 1992) was replaced with a soil-bentonite cutoff wall in October 2011.

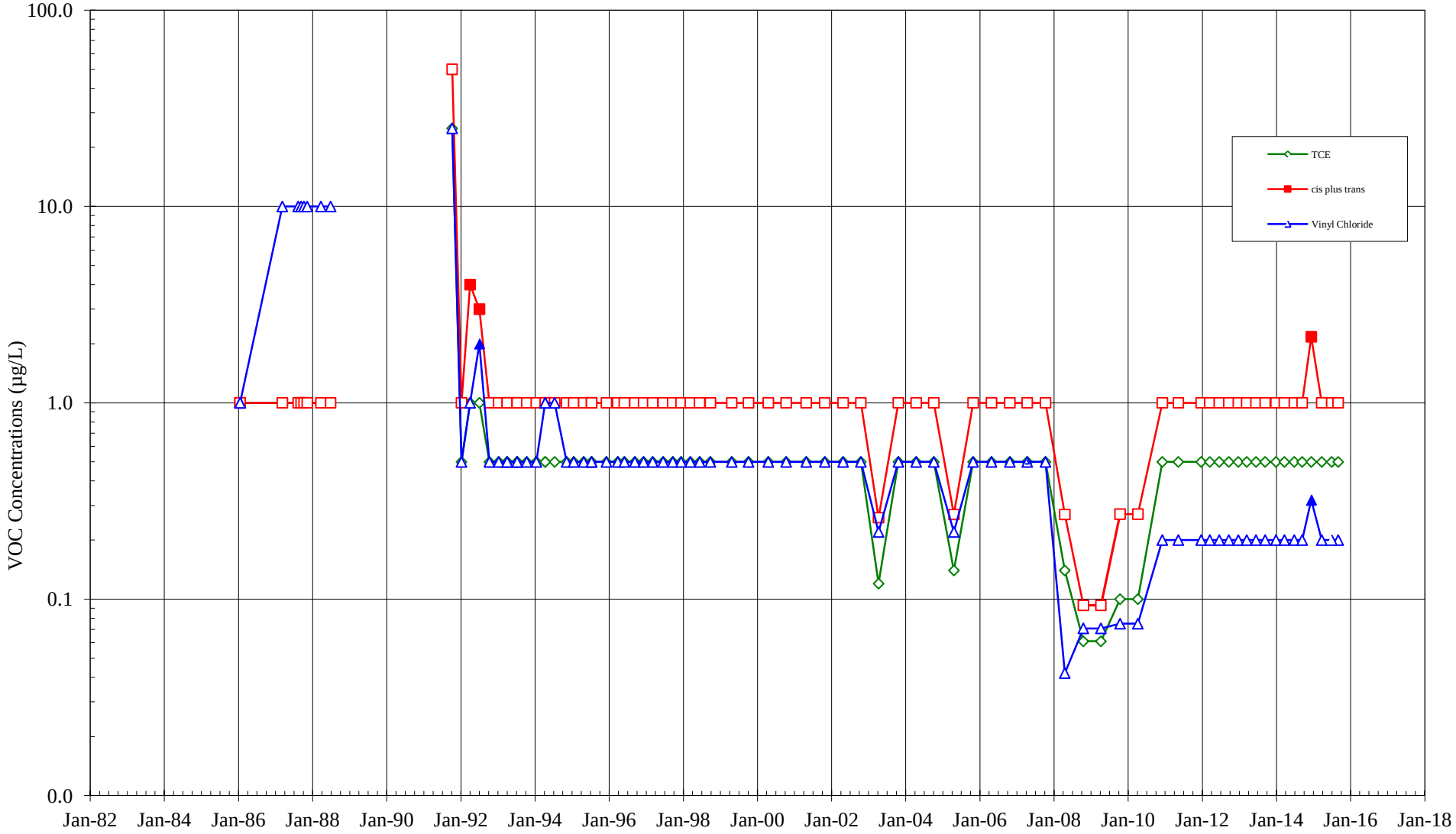
Groundwater Chemistry Data
Well HY-11i
BSB Property, Kent, Washington

Site	Date	Note	Vinyl Chloride µg/L	Methylene Chloride µg/L	trans-1,2-Dichloro-ethene µg/L	cis+trans	cis-1,2-Dichloro-ethene µg/L	1,1-Di-chloro-ethene µg/L	1,1-Di-chloro-ethane µg/L	1,2-Di-chloro-ethane µg/L	1,1,1-Tri-chloro-ethane µg/L	Tri-chloro-ethene µg/L	Tetra-chloro-ethene µg/L	Toluene µg/L	Ethyl-benzene µg/L	total Xylenes µg/L	Benzene µg/L	total VOCs µg/L	dissolved Arsenic mg/L	total Cyanide mg/L
HY-11i	01/17/86		1 U	1 U	1 U	1		1 U	1 U		1 U	1 U	1 U	1 U	1 U	1 U		ND		
HY-11i	01/17/86	Dupl	1 U	27 @	1 U	1		1 U	1 U		1 U	1 U	1 U	1 U	1 U	1 U		27		
HY-11i	03/09/87	#2	10 U	9	1 U	1		1 U	1 U		1 U	1 U	8	1 U	1 U	1 U		17		
HY-11i	08/12/87		10 U	5 U	1 U	1		1 U	1 U	1 U	1 U	1	1 U	1 U	1 U	1 U		1	0.005 U	0.005 U
HY-11i	09/10/87		10 U	5 U	1 U	1		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U		ND	0.005 U	0.005 U
HY-11i	10/08/87		10 U	5 U	1 U	1		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U		ND	0.005 U	0.005 U
HY-11i	11/09/87		10 U	5 U	1 U	1		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U		ND	0.005 U	0.005 U
HY-11i	03/23/88		10 U	5 U	1 U	1		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U		ND	0.005 U	0.005 U
HY-11i	06/27/88		10 U	10	1 U	1		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U		10	0.005 U	0.005 U
HY-11i	10/07/91		25 U	100 U	25 U	50	25 U	25 U	25 U	25 U	25 U	25 U	25 U	50 U	50 U	50 U	25 U	ND	0.005 U	0.01 U
HY-11i	01/07/92		0.5 U	2 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	ND	0.005 U	0.01 U
HY-11i	04/01/92		1 U	10 U	1 U	4	3	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	3	0.005 U	0.01 U
HY-11i	07/02/92		2	10 U	1 U	3	2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	4	0.005 U	0.01 U
HY-11i	10/08/92		0.5 U	2 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U					ND	0.005 U	0.01 U
HY-11i	01/08/93		0.5 U	2 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	ND	0.005 U	0.01 U
HY-11i	04/01/93		0.5 U	3	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	3	1 U	2	0.7	8.7	0.005 U	0.01 U
HY-11i	04/01/93	Dupl	0.5 U	4	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	3	1 U	2	0.7	9.7	0.005 U	0.01 U
HY-11i	07/08/93		0.5 U	10	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4	2	8	3.6	27.6	0.005 U	0.01 U
HY-11i	07/08/93	Dupl	0.5 U	5 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4	1	5	0.8	10.8	0.005 U	0.01 U
HY-11i	10/11/93		0.5 U	5 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1	1 U	3	0.5 U	4	0.005 U	0.01 U
HY-11i	01/14/94		0.5 U	2 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	ND	0.005 U	0.01 U
HY-11i	04/11/94		1 U	2 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	ND	0.005 U	0.01 U
HY-11i	04/11/94	Dupl	1 U	2 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	ND	0.005 U	0.01 U
HY-11i	07/13/94		1 U	2	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1	1 U	1 U	0.5 U	3	0.005 U	0.01 U
HY-11i	11/08/94		0.5 U	2 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	ND	0.005 U	0.01 U
HY-11i	01/17/95		0.5 U	2 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	ND	0.005 U	0.01 U
HY-11i	04/25/95		0.5 U	2 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	ND	0.005 U	0.01 U
HY-11i	07/12/95		0.5 U	5 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	ND	0.005 U	0.01 U
HY-11i	07/12/95	Dupl	0.5 U	5 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	ND	0.005 U	0.01 U
HY-11i	12/05/95		0.5 U	2 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	ND	0.005 U	0.01 U
HY-11i	03/26/96		0.5 U	2 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	ND	0.005 U	0.01 U
HY-11i	05/30/96		0.5 U	2 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	ND	0.005 U	0.01 U
HY-11i	09/10/96		0.5 U	2 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	ND	0.005 U	0.01 U
HY-11i	12/05/96		0.5 U	2 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	ND	0.005 U	0.01 U
HY-11i	03/05/97		0.5 U	2 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	ND	0.005 U	0.01 U
HY-11i	06/16/97		0.5 U	2 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	ND	0.005 U	0.01 U
HY-11i	09/19/97		0.5 U	5 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	ND	0.005 U	0.01 U
HY-11i	12/10/97		0.5 U	5 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	ND	0.005 U	0.01 U
HY-11i	03/11/98		0.5 U	5 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	ND	0.005 U	0.01 U
HY-11i	06/11/98		0.5 U	5 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	ND	0.005 U	0.01 U
HY-11i	09/24/98		0.5 U	5 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	ND	0.005 U	0.01 U
HY-11i	04/23/99		0.5 U	5 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	ND	0.005 U	0.01 U
HY-11i	10/05/99		0.5 U	5 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	ND	0.005 U	0.01 U
HY-11i	04/17/00		0.5 U	5 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.5 U	ND	0.005 U	0.01 U
HY-11i	10/10/00		0.5 U	1 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	ND	0.005 U	0.01 U
HY-11i	04/26/01		0.5 U	1 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	ND	0.005 U	0.01 U
HY-11i	10/26/01		0.5 U	1 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	ND	0.005 U	0.01 U
HY-11i	04/24/02		0.5 U	1 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5	0.5 U	1 U	0.5 U	0.5	0.01 U	0.01 U
HY-11i	10/16/02		0.5 U	2 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	ND	0.005 U	0.01 U
HY-11i	04/09/03		0.22 U	0.2 U	0.14 U	0.26	0.12 U	0.12 U	0.091 U	0.12 U	0.12 U	0.12 U	0.11 U	0.1 J	0.13 U	0.299 U	0.11 U	0.1	0.005 U	0.01 U
HY-11i	10/21/03		0.5 U	2 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.76 B	0.5 U	1 U	0.5 U	0.76	0.005 U	0.01 U
HY-11i	04/13/04		0.5 U	2 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.7 B	0.5 U	1 U	0.5 U	2.7	0.005 U	0.01 U
HY-11i	10/04/04		0.5 U	2 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	130	0.5 U	1 U	0.5 U	130	0.005 U	0.01 U
HY-11i	04/20/05		0.22 U	0.2 U	0.15 U	0.27	0.12 U	0.13 U	0.11 U	0.12 U	0.12 U	0.14 U	0.13 U	1.2 B	0.13 U	0.33 U	0.14 U	1.2	0.0012 J	0.006 J
HY-11i	10/26/05		0.5 U	2 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.3 B	0.5 U	1 U	0.5 U	1.3	0.0009	0.01 U

Groundwater Chemistry Data
Well HY-11i
BSB Property, Kent, Washington

Site	Date	Note	Vinyl Chloride µg/L	Methylene Chloride µg/L	trans-1,2-Dichloro-ethene µg/L	cis+trans	cis-1,2-Dichloro-ethene µg/L	1,1-Di-chloro-ethene µg/L	1,1-Di-chloro-ethane µg/L	1,2-Di-chloro-ethane µg/L	1,1,1-Tri-chloro-ethane µg/L	Tri-chloro-ethene µg/L	Tetra-chloro-ethene µg/L	Toluene µg/L	Ethyl-benzene µg/L	total Xylenes µg/L	Benzene µg/L	total VOCs µg/L	dissolved Arsenic mg/L	total Cyanide mg/L
HY-11i	04/25/06		0.5 U	2 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	ND	0.005 U	0.01 U
HY-11i	10/23/06		0.5 U	2 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	ND	0.0006	0.01 U
HY-11i	04/12/07		0.5 U	2 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	ND	0.05 U	0.01 U
HY-11i	04/12/07	Dup.	0.5 U	2 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	ND	0.05 U	0.01 U
HY-11i	10/09/07		0.5 U	2 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	ND	0.05 U	0.01 U
HY-11i	04/16/08		0.042 U	0.20 U	0.15 U	0.27	0.12 U	0.13 U	0.11 U	0.12 U	0.12 U	0.14 U	0.13 U	NA	NA	NA	NA	ND	0.00037 J	0.002 U
HY-11i	10/16/08		0.071 U	0.23 U	0.048 U	0.093	0.045 U	0.1 U	0.042 U	0.073 U	0.050 U	0.061 U	0.077 U	NA	NA	NA	NA	ND	0.0005	0.01
HY-11i	04/07/09		0.071 U	0.23 U	0.048 U	0.093	0.045 U	0.1 U	0.042 U	0.073 U	0.050 U	0.061 U	0.077 U	NA	NA	NA	NA	ND	0.0003 J	0.003 U
HY-11i	10/13/09		0.075 U	0.17 U	0.091 U	0.271	0.18 U	0.074 U	0.077 U	0.08 U	0.075 U	0.1 U	0.066 U	NA	NA	NA	NA	ND	0.0002 J	0.003 U
HY-11i	04/06/10		0.075 U	0.17 U	0.091 U	0.271	0.18 U	0.074 U	0.077 U	0.08 U	0.075 U	0.1 U	0.066 U	NA	NA	NA	NA	ND	0.00035 J	0.003 U
HY-11i	12/03/10		0.2 U	1.0 U	0.5 U	1.0	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	ND	0.00125	0.05 U
HY-11i	05/10/11		0.2 U	1.0 U	0.5 U	1.0	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	ND	0.001 U	0.05 U
HY-11i	12/21/11		0.2 U	1.0 U	0.5 U	1.0	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	ND	NA	NA
HY-11i	03/15/12		0.2 U	1.0 U	0.5 U	1.0	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	ND	NA	NA
HY-11i	06/16/12		0.2 U	1.0 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	ND	NA	NA
HY-11i	09/18/12		0.2 U	1.0 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	ND	NA	NA
HY-11i	12/21/12		0.2 U	1.0 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	ND	NA	NA
HY-11i	03/14/13		0.2 U	1.0 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	ND	NA	NA
HY-11i	06/13/13		0.2 U	1.0 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	ND	NA	NA
HY-11i	09/11/13		0.2 U	1.0 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	ND	NA	NA
HY-11i	12/27/13		0.2 U	1.0 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	ND	NA	NA
HY-11i	03/20/14		0.2 U	1.0 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	ND	NA	NA
HY-11i	06/25/14		0.2 U	1.0 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	ND	NA	NA
HY-11i	09/11/14		0.2 U	1.0 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	ND	NA	NA
HY-11i	12/10/14		0.320	1.0 U	0.5 U	2.17	1.67	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	1.99	NA	NA
HY-11i	03/23/15		0.2 U	1.0 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	ND	NA	NA
HY-11i	06/29/15		0.2 U	1.0 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	ND	NA	NA
HY-11i	09/01/15		0.2 U	1.0 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	ND	NA	NA

Groundwater Chemistry - Well HY-11i (Background)
BSB Property, Kent, Washington

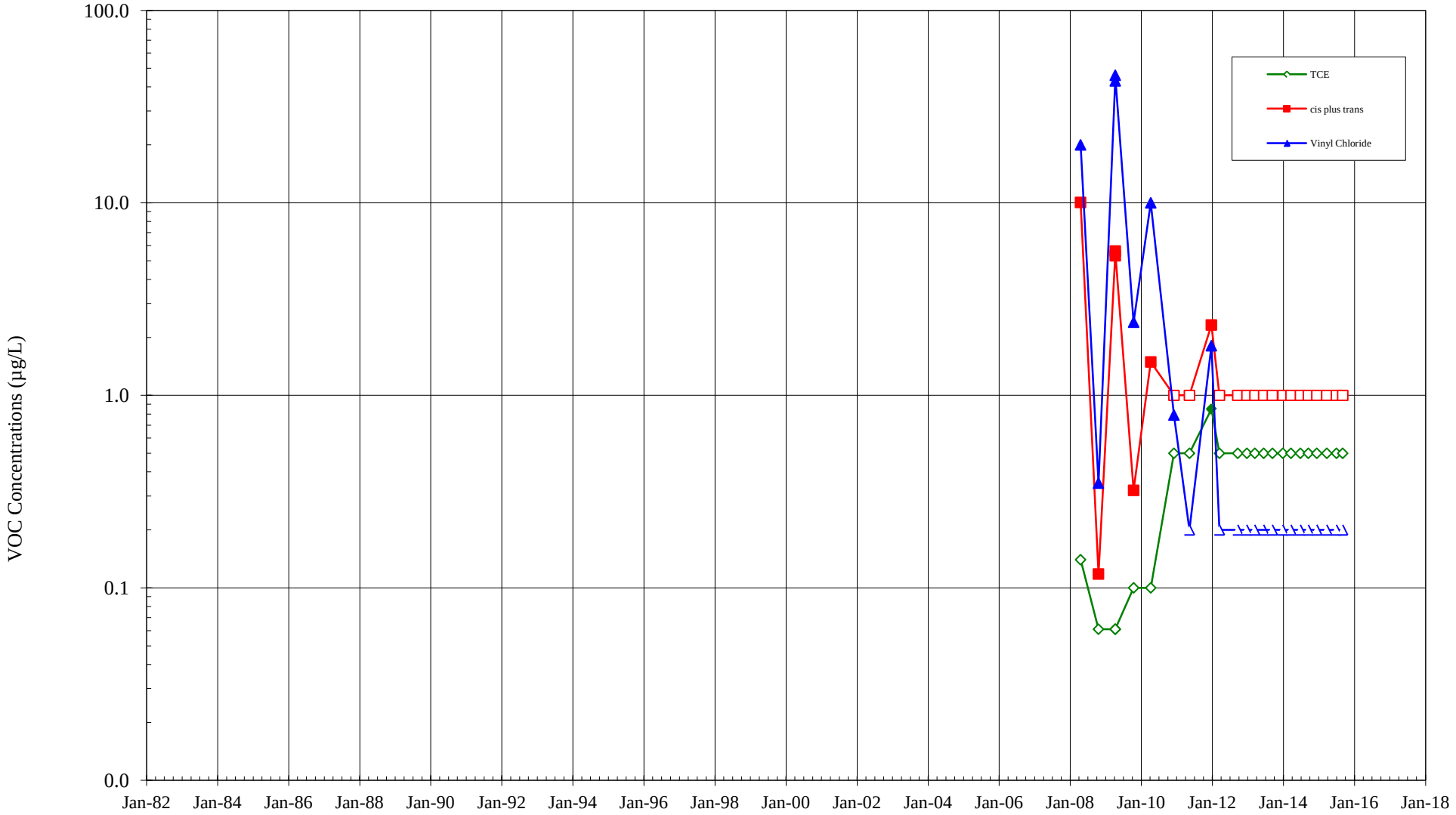


Notes: 1. All results detected below the MRLs are shown as hollow data points .
2. Site Cleanup Levels: TCE = 30 µg/L, cDCE = 70 µg/L, and Vinyl Chloride = 0.2 µg/L.
3. The original CMS (activated in August 1992) was replaced with a soil-bentonite cutoff wall in October 2011.

Groundwater Chemistry Data
Well HYCP-2i
BSB Property, Kent, Washington

Site	Date	Note	Vinyl Chloride µg/L	Methylene Chloride µg/L	trans-1,2-Dichloro-ethene µg/L	cis+trans	cis-1,2-Dichloro-ethene µg/L	1,1-Di-chloro-ethene µg/L	1,1-Di-chloro-ethane µg/L	1,2-Di-chloro-ethane µg/L	1,1,1-Tri-chloro-ethane µg/L	Tri-chloro-ethene µg/L	Tetra-chloro-ethene µg/L	Toluene µg/L	Ethyl-benzene µg/L	total Xylenes µg/L	Benzene µg/L	total VOCs µg/L	dissolved Arsenic mg/L	total Cyanide mg/L
HYCP-2i	04/16/08		20	0.20 U	0.15 U	10.05	9.9	0.13 U	0.38 J	0.12 U	0.12 U	0.14 U	0.13 U	NA	NA	NA	NA	30.3	0.00022 J	0.002 U
HYCP-2i	10/17/08		0.35 J	0.23 U	0.048 U	0.118	0.070 J	0.10 U	0.27 J	0.073 U	0.05 U	0.061 U	0.077 U	NA	NA	NA	NA	0.69	0.0003 J	0.002 U
HYCP-2i	04/08/09		43	0.23 U	0.11 J	5.31	5.2	0.10 U	0.84	0.073 U	0.05 U	0.061 U	0.077 U	NA	NA	NA	NA	49.2	0.0003 J	0.003 U
HYCP-2i	04/08/09	Dup	46	0.23 U	0.12 J	5.62	5.5	0.10 U	0.90	0.073 U	0.05 U	0.061 U	0.077 U	NA	NA	NA	NA	52.5	0.0003 J	0.003 U
HYCP-2i	10/14/09		2.4	0.17 U	0.091 U	0.321	0.23 J	0.074 U	0.45 J	0.08 U	0.075 U	0.1 U	0.066 U	NA	NA	NA	NA	3.08	0.0002 J	0.003 U
HYCP-2i	04/08/10		10	0.17 U	0.091 U	1.491	1.40	0.074 U	0.34 J	0.08 U	0.075 U	0.1 U	0.066 U	NA	NA	NA	NA	11.7	0.00027 J	0.003 U
HYCP-2i	12/02/10		0.79	0.5 U	0.5 U	1.0	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	0.79	0.00145	0.05 U
HYCP-2i	05/11/11		0.2 U	1.0 U	0.5 U	1.0	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	ND	0.001 U	0.05 U
HYCP-2i	12/22/11		1.81	1.0 U	0.5 U	2.3	1.8	0.5 U	0.5 U	0.5 U	0.5 U	0.850	0.5 U	NA	NA	NA	NA	4.48	NA	NA
HYCP-2i	03/14/12		0.2 U	1.0 U	0.5 U	1.0	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	ND	NA	NA
HYCP-2i	09/18/12		0.2 U	1.0 U	0.5 U	1.0	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	ND	NA	NA
HYCP-2i	12/21/12		0.2 U	1.0 U	0.5 U	1.0	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	ND	NA	NA
HYCP-2i	03/13/13		0.2 U	1.0 U	0.5 U	1.0	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	ND	NA	NA
HYCP-2i	06/12/13		0.2 U	1.0 U	0.5 U	1.0	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	ND	NA	NA
HYCP-2i	09/10/13		0.2 U	1.0 U	0.5 U	1.0	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	ND	NA	NA
HYCP-2i	12/26/13		0.2 U	1.0 U	0.5 U	1.0	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	ND	NA	NA
HYCP-2i	03/19/14		0.2 U	1.0 U	0.5 U	1.0	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	ND	NA	NA
HYCP-2i	06/24/14		0.2 U	1.0 U	0.5 U	1.0	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	ND	NA	NA
HYCP-2i	09/14/14		0.2 U	1.0 U	0.5 U	1.0	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	ND	NA	NA
HYCP-2i	12/10/14		0.2 U	1.0 U	0.5 U	1.0	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	ND	NA	NA
HYCP-2i	03/23/15		0.2 U	1.0 U	0.5 U	1.0	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	ND	NA	NA
HYCP-2i	06/30/15		0.2 U	1.0 U	0.5 U	1.0	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	ND	NA	NA
HYCP-2i	09/02/15		0.2 U	1.0 U	0.5 U	1.0	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	ND	NA	NA

Groundwater Chemistry - Well HYCP-2i
BSB Property, Kent, Washington



Notes: 1. All results detected below the MRLs are shown as hollow data points .
2. Site Cleanup Levels: TCE = 30 µg/L, cDCE = 70 µg/L, and Vinyl Chloride = 0.2 µg/L.
3. The original CMS (activated in August 1992) was replaced with a soil-bentonite cutoff wall in October 2011.

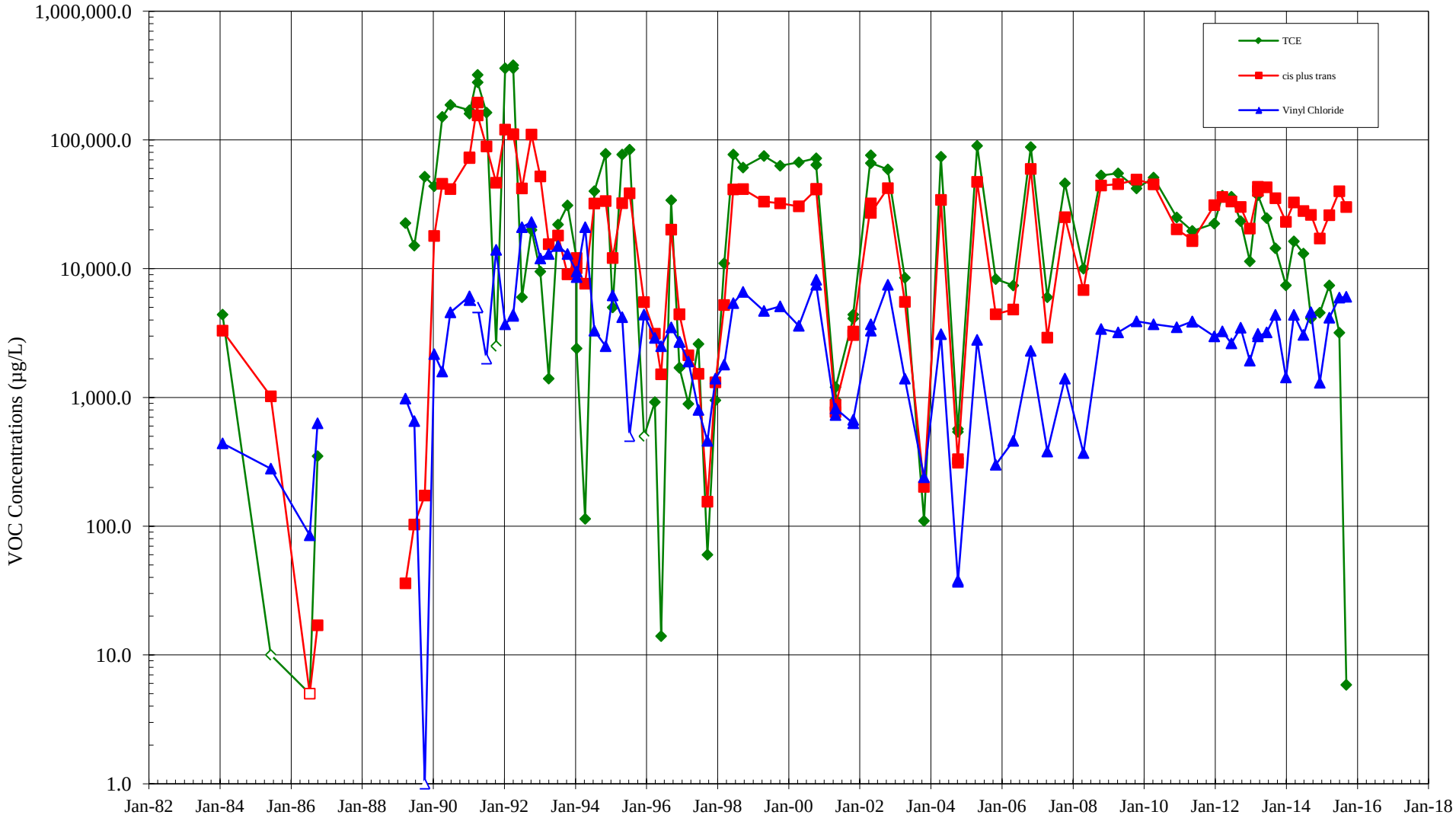
Groundwater Chemistry Data
Well HYCP-3i
BSB Property, Kent, Washington

Site	Date	Note	Vinyl Chloride µg/L	Methylene Chloride µg/L	trans-1,2-Dichloro-ethene µg/L	cis+trans	cis-1,2-Dichloro-ethene µg/L	1,1-Di-chloro-ethene µg/L	1,1-Di-chloro-ethane µg/L	1,2-Di-chloro-ethane µg/L	1,1,1-Tri-chloro-ethane µg/L	Tri-chloro-ethene µg/L	Tetra-chloro-ethene µg/L	Toluene µg/L	Ethyl-benzene µg/L	total Xylenes µg/L	Benzene µg/L	total VOCs µg/L	dissolved Arsenic mg/L	total Cyanide mg/L
HYCP-3i	01/28/84		440	7	3300	3300		18	10		19	4,400	5	17	10	7		8,233		
HYCP-3i	06/07/85		280	10 U	1020	1020		10 U	10 U		300	10 U	10 U	1.9	1.7	2.5		1,606		
HYCP-3i	07/11/86		85	25 U	5 U	5		5 U	5 U		5 U	5 U	5 U	1 U	1 U	1		86.0		
HYCP-3i	09/30/86		630	1 U	17	17		2	1 U		1 U	350	1 U	1 U	1 U	1 U		999.0		
HYCP-3i	03/21/89		979	37	36	36		72	118	1 U	7.8	22,600	21	288	60	235		24,454	0.006	0.01 U
HYCP-3i	06/20/89		655		103	103		173	716	1 U	606	15,100	2 U	209	41	133	21	17,757	0.01	0.01
HYCP-3i	10/05/89		1 U	3.2	173	173		231	1440	6.4	184	51,800	13	349	95	286	7.9	54,589	0.009	0.01 U
HYCP-3i	01/10/90		2,170	7.8	149	17,949	17,800	203	729	1 U	342	43,700	17	394	99	308	46	65,965	0.008	0.01 U
HYCP-3i	04/03/90		1,590	2 U	140	45,640	45,500	218	312	1 U	318	151,000	16.2	439	87.7	277	6.3	199,904	0.01	0.02
HYCP-3i	06/26/90		4,580	4.3	208	41,508	41,300	198	587	0.5 U	65.9	187,000	80	736	124	737	21.3	235,642	0.01	0.01 U
HYCP-3i	01/08/91		6,100	100 U	280	72,280	72,000	240	1200	25 U	25 U	170,000	25 U	480	150	510	25 U	250,960	0.011	0.01
HYCP-3i	01/08/91	Dupl	5,700	100 U	200	73,200	73,000	170	990	25 U	330	160,000	25 U	50 U	50 U	50 U	25 U	240,390	0.011	0.01
HYCP-3i	04/02/91		5,000 U	20,000 U	5000 U	195,000	190,000	5000 U	5000 U	5000 U	5000 U	320,000	5000 U	10000 U	10000 U	10000 U	5000 U	510,000	0.013	0.01 U
HYCP-3i	04/02/91	Dupl	5,000 U	20,000 U	5000 U	155,000	150,000	5000 U	5000 U	5000 U	5000 U	280,000	5000 U	10000 U	10000 U	10000 U	5000 U	430,000	0.015	0.01 U
HYCP-3i	07/02/91		2,000 U	8,000 U	2000 U	89,000	87,000	2000 U	2000 U	2000 U	2000 U	163,000	2000 U	4000 U	4000 U	4000 U	2000 U	250,000	0.005 U	0.01
HYCP-3i	10/09/91		14,000	10,000 U	2500 U	46,500	44,000	2500 U	2500 U	2500 U	2500 U	2,500 U	2500 U	5000 U	5000 U	5000 U	2500 U	58,000	0.01	0.01 U
HYCP-3i	01/09/92		3,700	1000 U	250 U	120,250	120,000	250 U	250 U	250 U	250 U	360,000	250 U	500 U	500 U	500 U	500 U	483,700	0.016	0.02
HYCP-3i	04/01/92		4,300	5000 U	500 U	110,500	110,000	500 U	500 U	500 U	500 U	380,000	500 U	500 U	500 U	500 U	500 U	494,300	0.013	0.02
HYCP-3i	04/01/92	Dupl	4,400	5000 U	500 U	110,500	110,000	500 U	500 U	500 U	500 U	360,000	500 U	500 U	500 U	500 U	500 U	474,400	0.011	0.02
HYCP-3i	06/30/92		21,000	40000 U	4000 U	42,000	38,000	4000 U	4000 U	4000 U	4000 U	6,000	4000 U	4000 U	4000 U	4000 U	4000 U	65,000	0.008	0.01 U
HYCP-3i	10/06/92		23,000	400 U	100 U	110,100	110,000	100 U	560	100 U	100 U	20,000	100 U					153,560	0.014	0.01
HYCP-3i	01/05/93		12,000	100 U	60	52,060	52,000	25 U	280	25 U	25 U	9,500	25 U	50 U	50 U	50 U	25 U	73,840	0.01	0.01 U
HYCP-3i	04/01/93		13,000	2000 U	500 U	15,500	15,000	500 U	500 U	500 U	500 U	1,400	500 U	1000 U	1000 U	1000 U	500 U	29,400	0.01	0.01 U
HYCP-3i	07/06/93		15,000	27	89	18,089	18,000	32	300	5 U	37	22,000	5 U	170	10 U	72	5 U	55,727	0.011	0.01 U
HYCP-3i	10/11/93		13,000	20 U	36	9,036	9,000	14	87	5 U	5 U	31,000	5 U	180	82	88	5 U	53,487	0.019	0.01 U
HYCP-3i	01/13/94		9,500	20 U	100	12,100	12,000	69	83	5 U	5 U	12,000	12	170	50	140	5	34,117	0.015	0.01 U
HYCP-3i	01/13/94	Dupl	8,600	20 U	82	10,082	10,000	55	140	5 U	5 U	2,400	5 U	170	41	110	5	21,603	0.015	0.01 U
HYCP-3i	04/11/94		21,000	2 U	41.1	7,641	7,600	11.1	95.2	0.6	4.5	114	0.5 U	114	20	1 U	2.3	29,003	0.012	0.01 U
HYCP-3i	07/14/94		3,300	2 U	76.2	32,076	32,000	94.3	51.1	0.5	5.4	40,000	4	139	49	74	4	75,798	0.013	0.01 U
HYCP-3i	11/07/94		2,500	2000 U	500 U	33,500	33,000	500 U	500 U	500 U	500 U	78,000	500 U	1000 U	1000 U	1000 U	500 U	113,500	0.014	0.01 U
HYCP-3i	01/18/95		6,200	400 U	100 U	12,100	12,000	100 U	170	100 U	100 U	5,000	100 U	200 U	200 U	200 U	100 U	23,770	0.01	0.01 U
HYCP-3i	04/26/95		4,200	1000 U	250 U	32,250	32,000	250 U	250 U	250 U	250 U	77,000	250 U	500 U	500 U	500 U	250 U	113,200	0.011	0.01 U
HYCP-3i	07/11/95		500 U	2000 U	500 U	38,500	38,000	500 U	500 U	500 U	500 U	84,000	500 U	1000 U	1000 U	1000 U	500 U	122,000	0.009	0.01 U
HYCP-3i	12/06/95		4,400	2000 U	500 U	5,500	5,000	500 U	500 U	500 U	500 U	500 U	500 U	1000 U	1000 U	1000 U	500 U	9,400	0.012	0.01 U
HYCP-3i	03/27/96		2,900	100 U	25 U	3,125	3,100	25 U	67	25 U	25 U	920	25 U	83	50 U	53	25 U	7,123	0.01	0.01 U
HYCP-3i	05/30/96		2,500	2 U	13	1,513	1,500	5	54	0.5 U	2.4	14	0.5 U	39	10	35	1.4	4,174.4	0.01	0.01
HYCP-3i	09/11/96		3,500	100 U	98	20,098	20,000	29	49	25 U	25 U	34,000	25 U	170	50 U	140	25 U	57,986	0.011	0.02
HYCP-3i	12/05/96		2,700	100 U	25 U	4,425	4,400	25 U	25 U	25 U	25 U	1,700	25 U	74	50 U	73	25 U	8,947	0.015	0.03
HYCP-3i	12/05/96		2,700	100 U	25 U	4,425	4,400	25 U	25 U	25 U	25 U	1,700	25 U	74	50 U	73	25 U	8,947	0.015	0.03
HYCP-3i	03/06/97		1,900	100 U	25 U	2,125	2,100	25 U	46	25 U	25 U	890	25 U	100	50 U	68	25 U	5,104	0.011	0.03
HYCP-3i	06/18/97		800	100 U	25 U	1,525	1,500	25 U	26	25 U	25 U	2,600	25 U	50 U	50 U	50 U	25 U	4,926	0.009	0.03
HYCP-3i	09/18/97		460	50 U	5 U	155	150	5 U	30	5 U	5 U	60	5 U	38	14	43	5 U	795	0.012	0.02
HYCP-3i	12/09/97		1,400	100 U	10 U	1,310	1,300	10 U	40	10 U	10 U	950	10 U	35	20 U	61	10 U	3,786	0.013	0.01 U
HYCP-3i	03/09/98		1,800	100 U	20	5,220	5,200	10 U	31	10 U	10 U	11,000	10 U	89	35	88	10 U	18,263	0.014	0.02
HYCP-3i	06/11/98		5,400	2500 U	250 U	41,250	41,000	10 U	250 U	250 U	250 U	77,000	250 U	500 U	500 U	500 U	250 U	123,400	0.01	0.03
HYCP-3i	09/19/98		6,600	5000 U	500 U	41,500	41,000	500 U	500 U	500 U	500 U	61,000	500 U	1000 U	1000 U	1000 U	500 U	108,600	0.012	0.03
HYCP-3i	04/22/99		4,700	500 U	170	33,170	33,000	50 U	50 U	50 U	50 U	75,000	50 U	180	100 U	100 U	50 U	113,050	0.011	0.04
HYCP-3i	10/05/99		5,100	500 U	180	32,180	32,000	52	50 U	50 U	50 U	63,000	50 U	100 U	100 U	100 U	50 U	100,332	0.01	0.02
HYCP-3i	04/14/00		3,600	5000 U	500 U	30,500	30,000	500 U	500 U	500 U	500 U	67,000	500 U	1000 U	1000 U	1000 U	500 U	100,600	0.012	0.02
HYCP-3i	10/10/00		8,200	1 U	200 U	41,200	41,000	46	32	1.1	0.5 U	72,000	3.8	500 U	55	130	1.6	121,471	0.012	0.04
HYCP-3i	10/10/00	Dupl	7,500	1000 U	500 U	41,700	37,000	500 U	500 U	500 U	500 U	64,000	500 U	500 U	500 U	1000 U	500 U	108,500	0.01	0.03
HYCP-3i	04/26/01		730	20 U	10 U	770	760	10 U	11	10 U	10 U	960	10 U	22	18	19	10 U	2,530	0.015	0.02
HYCP-3i	04/26/01	Dupl	820	25 U	13 U	873	860	13 U	13	13 U	13 U	1,200	13 U	25	19	22	13 U	2,972	0.017	0.02
HYCP-3i	10/25/01		630	110	50 U	3,050	3,000	50 U	50 U	50 U	50 U	4,100	50 U	50 U	50 U	50 U	50 U	7,890	0.011	0.03
HYCP-3i	10/25/01	Dupl	670	120	50 U	3,250	3,200	50 U	50 U	50 U	50 U	4,400	50 U	50 U	50 U	50 U	50 U	8,390	0.011	0.03
HYCP-3i	04/24/02		3,700	400 U	130	32,130	32,000	100 U	100 U	100 U	100 U	76,000	100 U	140	100 U	100 U	100 U	111,970	0.0103	0.02
HYCP-3i	04/24/02	Dupl	3,300	200 U	110	27,110	27,000	50 U	50 U	50 U	50 U	66,000	50 U	130	68	64	50 U	96,672	0.0113	0.02
HYCP-3i	10/16/02		7,500	500 U	190	42,190	42,000	130 U	130 U	130 U	130 U	59,000	130 U	170	130 U	260 U	130 U	108,860	0.0107	0.04
HYCP-3i	04/09/03		1,400	9.7 U	24 U	5,524	5,500	11 J	10 J	5.7 U	5.7 U	8,500	5.5 U	45	43	53	5.3 U	15,562	0.0122	0.01
HYCP-3i	10/22/03		240	2 U	2	202	200	0.5 U	3.1	0.5 U	0.5 U	110	0.5 U	7.8	7	31	0.5 U	601	0.0147	0.04
HYCP-3i	04/14/04		3,100	200 U	200	34,200	34,000	51	50 U	50 U	50 U	74,000	50 U	110	65	72	50 U	111,598	0.0067	0.01 U

Groundwater Chemistry Data
Well HYCP-3i
BSB Property, Kent, Washington

Site	Date	Note	Vinyl Chloride µg/L	Methylene Chloride µg/L	trans-1,2-Dichloro-ethene µg/L	cis+trans	cis-1,2-Dichloro-ethene µg/L	1,1-Di-chloro-ethene µg/L	1,1-Di-chloro-ethane µg/L	1,2-Di-chloro-ethane µg/L	1,1,1-Tri-chloro-ethane µg/L	Tri-chloro-ethene µg/L	Tetra-chloro-ethene µg/L	Toluene µg/L	Ethyl-benzene µg/L	total Xylenes µg/L	Benzene µg/L	total VOCs µg/L	dissolved Arsenic mg/L	total Cyanide mg/L
HYCP-3i	10/05/04		38	4 U	1.2	311	310	1 U	2.5	1 U	1 U	540	1 U	1 U	1 U	12	1 U	904	0.0117	0.02
HYCP-3i	10/05/04	Dupl	37	4 U	1.4	331	330	1 U	2.5	1 U	1 U	570	1 U	1 U	1 U	12	1 U	953	0.0156	0.01
HYCP-3i	04/20/05		2,800	140 J	220 J	47,220	47,000	75 J	51 U	57 U	58 U	90,000	63 U	120 J	85 J	161 U	68 U	140,440	0.0096	0.04
HYCP-3i	10/28/05		300	100 U	25 U	4,425	4,400	25 U	25 U	25 U	25 U	8,300	25 U	25 U	25 U	50 U	25 U	13,000	0.0111	0.01
HYCP-3i	04/26/06		460	50 U	18	4,818	4,800	13 U	13 U	13 U	13 U	7,400	13 U	NA	NA	NA	NA	12,678	0.0078	0.01
HYCP-3i	10/23/06		2,300	2000 U	500 U	59,500	59,000	500 U	500 U	500 U	500 U	88,000	500 U	NA	NA	NA	NA	149,800	0.0114	0.01 U
HYCP-3i	04/11/07		380	400 U	13	2,913	2,900	0.5 U	0.5 U	0.5 U	0.5 U	6,000	0.5 U	NA	NA	NA	NA	9,293	0.008	0.007 J
HYCP-3i	10/09/07		1,400	400 U	100	25,100	25,000	100 U	100 U	100 U	100 U	46,000	100 U	NA	NA	NA	NA	72,500	0.0116	0.01 U
HYCP-3i	04/17/08		370	3.9 U	25	6,825	6,800	8.2 J	3.6 J	2.3 U	2.4 U	10,000	2.6 U	NA	NA	NA	NA	17,207	0.0095	0.007 J
HYCP-3i	10/15/08		3,400	58 U	240	44,240	44,000	68 J	15 J	19 U	13 U	53,000	20 U	NA	NA	NA	NA	100,723	0.0133	0.004 J
HYCP-3i	04/08/09		3,200	23 U	340	45,340	45,000	68	16 J	7.3 U	5.0 U	55,000	7.7 U	NA	NA	NA	NA	103,624	0.0107	0.007 J
HYCP-3i	10/14/09		3,900	34 U	190	49,190	49,000	62 J	16 J	16 U	15 U	42,000	14 U	NA	NA	NA	NA	95,168	0.0124	0.006 J
HYCP-3i	04/07/10		3,700	47 J	170	45,170	45,000	59	15 J	8 U	7.5 U	51,000	9 J	NA	NA	NA	NA	100,000	0.0113	0.003 U
HYCP-3i	12/01/10		3,510	1.0 U	219	20,219	20,000 E	35.7	9.22	0.5 U	0.5 U	25,000 E	1.89	NA	NA	NA	NA	48,776	0.0132	0.05 U
HYCP-3i	05/10/11		3,890	1.0 U	344 J	16,744	16,400	39.6	24.7	0.5 U	0.5 U	19,600	1.17	NA	NA	NA	NA	40,299	0.00540	0.05 U
HYCP-3i	05/10/11	Dupl	3,870	1.0 U	664 J	16,364	15,700	41.7	27.5	0.5 U	0.5 U	19,600	1.35	NA	NA	NA	NA	39,905	0.00423	0.05 U
HYCP-3i	12/22/11		2,980	1.0 U	137	31,137	31,000	24.0	7.01	0.5 U	0.5 U	22,400	1.01	NA	NA	NA	NA	56,549	NA	NA
HYCP-3i	03/14/12		3,260	1.0 U	140	36,040	35,900	40.3	6.08	0.5 U	0.5 U	36,900	2.18	NA	NA	NA	NA	76,249	NA	NA
HYCP-3i	06/15/12		2,630	1.0 U	144	33,244	33,100	38.8	5.33	0.5 U	0.5 U	36,200	2.59	NA	NA	NA	NA	72,121	NA	NA
HYCP-3i	09/18/12		3,480	1.0 U	147	30,147	30,000	25.3	4.27	0.5 U	0.5 U	23,400	1.50	NA	NA	NA	NA	57,058	NA	NA
HYCP-3i	12/21/12		1,930	1.0 U	91.0	20,491	20,400	30.5	3.56	0.5 U	0.5 U	11,400	0.5 U	NA	NA	NA	NA	33,855	NA	NA
HYCP-3i	03/14/13		3,120	1.0 U	127	40,127	40,000	33.4	4.00	0.5 U	0.5 U	40,200	1.40	NA	NA	NA	NA	83,486	NA	NA
HYCP-3i	03/14/13	Dupl	2,980	1.0 U	128	43,228	43,100	33.3	4.03	0.5 U	0.5 U	37,200	1.38	NA	NA	NA	NA	83,447	NA	NA
HYCP-3i	06/12/13		3,200	1.0 U	257	42,857	42,600	33.8	0.5 U	0.5 U	0.5 U	24,700	1.93	NA	NA	NA	NA	70,793	NA	NA
HYCP-3i	09/10/13		4,380	1.0 U	151	35,251	35,100	32.2	3.46	0.5 U	0.5 U	14,400	0.5 U	NA	NA	NA	NA	54,067	NA	NA
HYCP-3i	12/27/13		1,430	1.0 U	102	23,102	23,000	16.0	1.23	0.5 U	0.652	7,420	1.08	NA	NA	NA	NA	31,971	NA	NA
HYCP-3i	03/19/14		4,380	1.0 U	581	32,681	32,100	34.3	3.44	0.5 U	0.5 U	16,300	0.5 U	NA	NA	NA	NA	53,399	NA	NA
HYCP-3i	06/25/14		3,060	1.0 U	128	28,028	27,900	23.4	2.65	0.5 U	0.5 U	13,100	1.57	NA	NA	NA	NA	44,216	NA	NA
HYCP-3i	09/10/14		4,590	1.0 U	165	26,165	26,000	21.8	2.44	0.5 U	0.5 U	4,110	0.5 U	NA	NA	NA	NA	34,889	NA	NA
HYCP-3i	12/10/14		1,300	1.0 U	51.9	17,152	17,100	13.4	0.5 U	0.5 U	0.5 U	4,550	0.5 U	NA	NA	NA	NA	23,015	NA	NA
HYCP-3i	03/18/15		4,160	1.0 U	117	26,017	25,900	22.8	2.03	0.5 U	0.5 U	7,410	1.05	NA	NA	NA	NA	37,613	NA	NA
HYCP-3i	06/29/15		5,960	1.0 U	223	39,923	39,700	25.3	2.57	0.5 U	0.5 U	3,180	0.5 U	NA	NA	NA	NA	49,091	NA	NA
HYCP-3i	09/08/15		6,050	1.0 U	112	30,112	30,000	23.6	2.56	0.5 U	0.5 U	5.86	0.5 U	NA	NA	NA	NA	36,194	NA	NA

Groundwater Chemistry - Well HYCP-3i
BSB Property, Kent, Washington

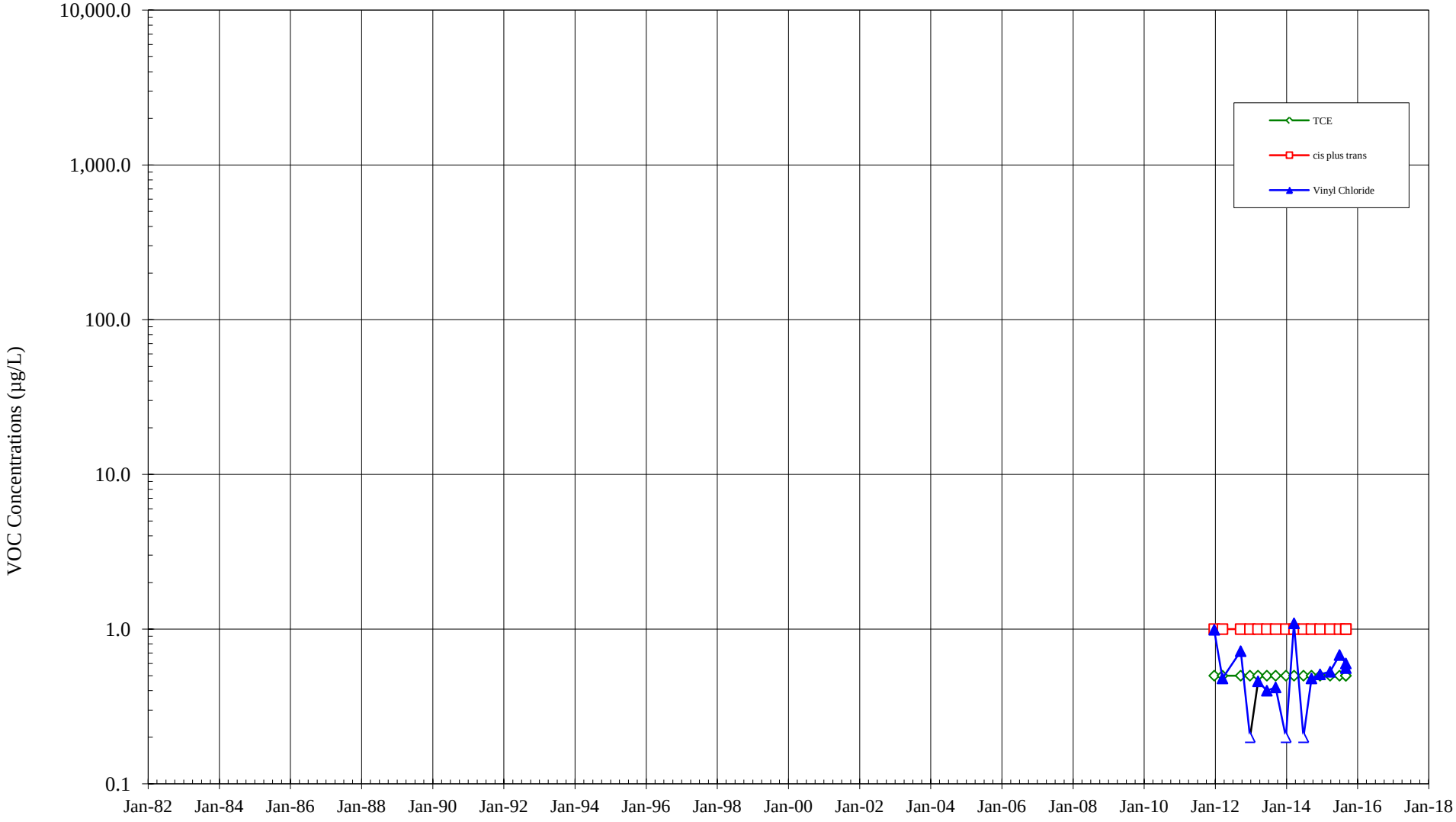


Notes: 1. All results detected below the MRLs are shown as hollow data points .
2. Site Cleanup Levels: TCE = 30 µg/L, cDCE = 70 µg/L, and Vinyl Chloride = 0.2 µg/L.
3. The original CMS (activated in August 1992) was replaced with a soil-bentonite cutoff wall in October 2011.

Groundwater Chemistry Data
Well HYCP-7i
BSB Property, Kent, Washington

Site	Date	Note	Vinyl Chloride µg/L	Methylene Chloride µg/L	trans-1,2-Dichloro-ethene µg/L	cis+trans	cis-1,2-Dichloro-ethene µg/L	1,1-Di-chloro-ethene µg/L	1,1-Di-chloro-ethane µg/L	1,2-Di-chloro-ethane µg/L	1,1,1-Tri-chloro-ethane µg/L	Tri-chloro-ethene µg/L	Tetra-chloro-ethene µg/L	Toluene µg/L	Ethyl-benzene µg/L	total Xylenes µg/L	Benzene µg/L	total VOCs µg/L	dissolved Arsenic mg/L	total Cyanide mg/L
HYCP-7i	12/21/11		0.990	1.0 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	0.990	NA	NA
HYCP-7i	03/14/12		0.480	1.0 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	0.480	NA	NA
HYCP-7i	09/17/12		0.720	1.0 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	0.720	NA	NA
HYCP-7i	12/21/12		0.200 U	1.0 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	ND	NA	NA
HYCP-7i	03/14/13		0.460	1.0 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	0.460	NA	NA
HYCP-7i	06/13/13		0.400	1.0 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	0.400	NA	NA
HYCP-7i	09/11/13		0.420	1.0 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	0.420	NA	NA
HYCP-7i	12/26/13		0.200 U	1.0 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	ND	NA	NA
HYCP-7i	03/19/14		1.09	1.0 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	1.09	NA	NA
HYCP-7i	06/24/14		0.200 U	1.0 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	ND	NA	NA
HYCP-7i	09/14/14		0.480	1.0 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	0.480	NA	NA
HYCP-7i	12/11/14		0.510	1.0 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	0.510	NA	NA
HYCP-7i	03/24/15		0.530	1.0 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	0.530	NA	NA
HYCP-7i	06/29/15		0.680	1.0 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	0.680	NA	NA
HYCP-7i	09/02/15		0.600	1.0 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	0.600	NA	NA
HYCP-7i	09/02/15	dup	0.560	1.0 U	0.5 U	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NA	NA	NA	NA	0.560	NA	NA

Groundwater Chemistry - Well HYCP-7i
BSB Property, Kent, Washington

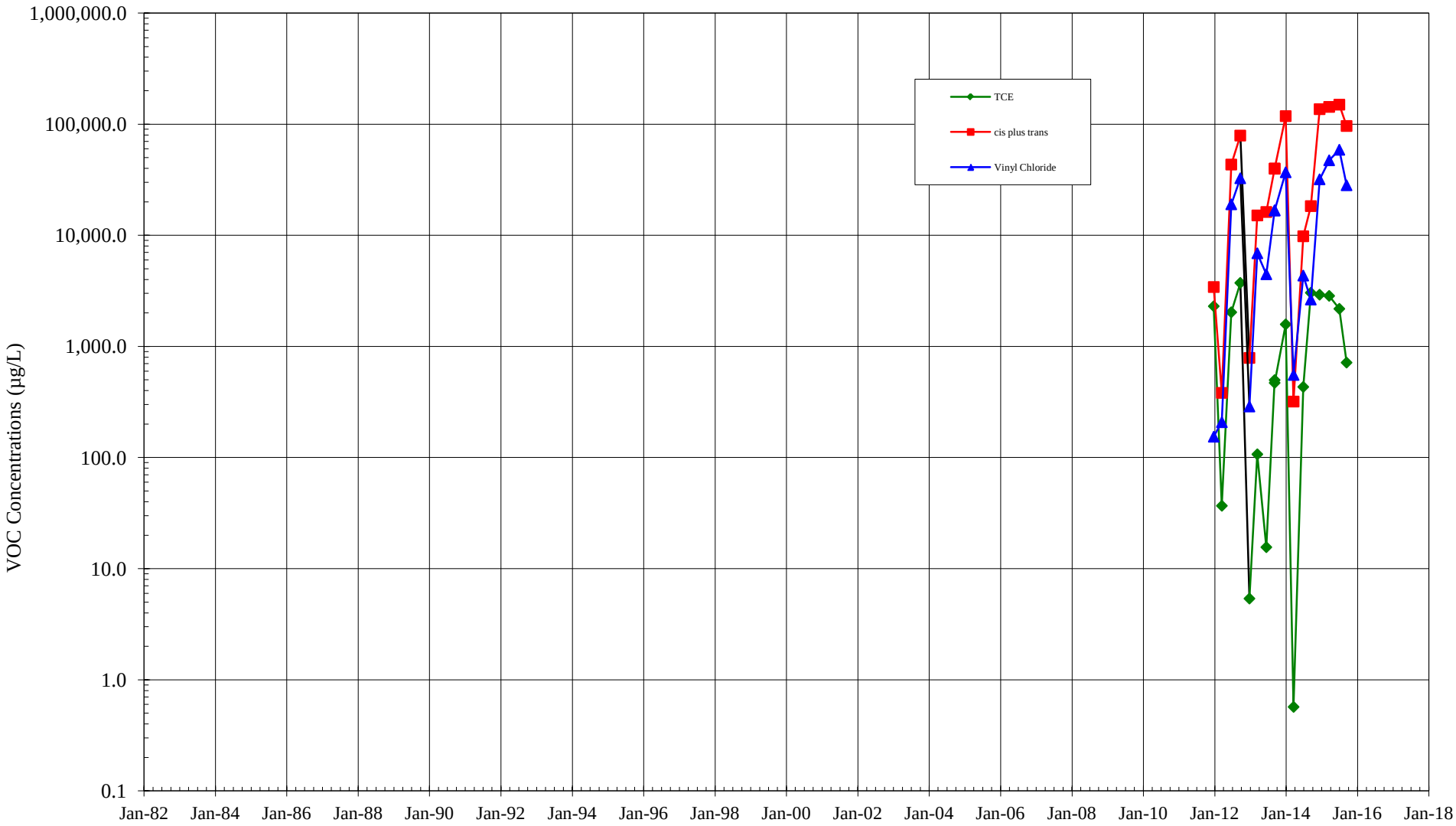


Notes: 1. All results detected below the MRLs are shown as hollow data points .
2. Site Cleanup Levels: TCE = 30 µg/L, cDCE = 70 µg/L, and Vinyl Chloride = 0.2 µg/L.
3. The original CMS (activated in August 1992) was replaced with a soil-bentonite cutoff wall in October 2011.

Groundwater Chemistry Data
Well HY-12i
BSB Property, Kent, Washington

Site	Date	Note	Vinyl Chloride µg/L	Methylene Chloride µg/L	trans-1,2-Dichloro-ethene µg/L	cis+trans	cis-1,2-Dichloro-ethene µg/L	1,1-Di-chloro-ethene µg/L	1,1-Di-chloro-ethane µg/L	1,2-Di-chloro-ethane µg/L	1,1,1-Tri-chloro-ethane µg/L	Tri-chloro-ethene µg/L	Tetra-chloro-ethene µg/L	Toluene µg/L	Ethyl-benzene µg/L	total Xylenes µg/L	Benzene µg/L	total VOCs µg/L	dissolved Arsenic mg/L	total Cyanide mg/L
HY-12i	12/22/11		154	1.0 U	23.2	3,423	3,400	4.86	0.5 U	0.5 U	0.5 U	2,300	0.5 U	NA	NA	NA	NA	5,882	NA	NA
HY-12i	03/14/12		208	1.0 U	5.81	381.8	376	0.860	0.5 U	0.5 U	0.5 U	36.8	0.5 U	NA	NA	NA	NA	627	NA	NA
HY-12i	06/18/12		19,000	1.0 U	1,100	43,300	42,200	138	0.5 U	0.5 U	0.5 U	2,030	0.5 U	NA	NA	NA	NA	64,468	NA	NA
HY-12i	09/18/12		32,600	1.0 U	1,530	78,930	77,400	251	0.5 U	0.5 U	0.5 U	3,730	0.5 U	NA	NA	NA	NA	115,511	NA	NA
HY-12i	12/21/12		288	1.0 U	14.1	788	774	1.80	0.5 U	0.5 U	0.5 U	5.38	0.5 U	NA	NA	NA	NA	1,083	NA	NA
HY-12i	03/12/13		6,890	1.0 U	386	15,086	14,700	40.2	0.5 U	0.5 U	0.5 U	107	0.5 U	NA	NA	NA	NA	22,123	NA	NA
HY-12i	06/12/13		4,460	1.0 U	502	16,202	15,700	61.0	0.5 U	0.5 U	0.5 U	15.6	0.5 U	NA	NA	NA	NA	20,739	NA	NA
HY-12i	09/05/13		16,800	1.0 U	870	39,870	39,000	168	0.5 U	0.5 U	0.5 U	498	0.5 U	NA	NA	NA	NA	57,336	NA	NA
HY-12i	09/05/13	Dupl	16,700	1.0 U	822	39,722	38,900	174	0.5 U	0.5 U	0.5 U	470	0.5 U	NA	NA	NA	NA	57,066	NA	NA
HY-12i	12/27/13		36,900	1.0 U	2,130	118,130	116,000	477	0.5 U	0.5 U	0.5 U	1,580	0.5 U	NA	NA	NA	NA	157,087	NA	NA
HY-12i	03/18/14		554	1.0 U	6.98	319	312	1.28	0.5 U	0.5 U	0.5 U	0.570	0.5 U	NA	NA	NA	NA	875	NA	NA
HY-12i	06/25/14		4,340	1.0 U	180	9,800	9,620	38.5	0.5 U	0.5 U	0.5 U	432	0.5 U	NA	NA	NA	NA	14,611	NA	NA
HY-12i	09/10/14		2,640	1.0 U	404	18,304	17,900	168	0.5 U	0.5 U	0.5 U	3,040	0.5 U	NA	NA	NA	NA	24,152	NA	NA
HY-12i	12/09/14		31,900	1.0 U	2,430	136,430	134,000	444	0.5 U	0.5 U	0.5 U	2,920	0.5 U	NA	NA	NA	NA	171,694	NA	NA
HY-12i	03/17/15		47,300	1.0 U	2,990	142,990	140,000	569	0.5 U	0.5 U	0.5 U	2,850	0.5 U	NA	NA	NA	NA	193,709	NA	NA
HY-12i	06/29/15		58,800	1.0 U	2,790	149,790	147,000	197	0.5 U	0.5 U	0.5 U	2,180	0.5 U	NA	NA	NA	NA	210,967	NA	NA
HY-12i	09/11/15		28,200	1.0 U	2,400	96,300	93,900	300	0.5 U	0.5 U	0.5 U	715	0.5 U	NA	NA	NA	NA	125,515	NA	NA

Groundwater Chemistry - Well HY-12i
BSB Property, Kent, Washington

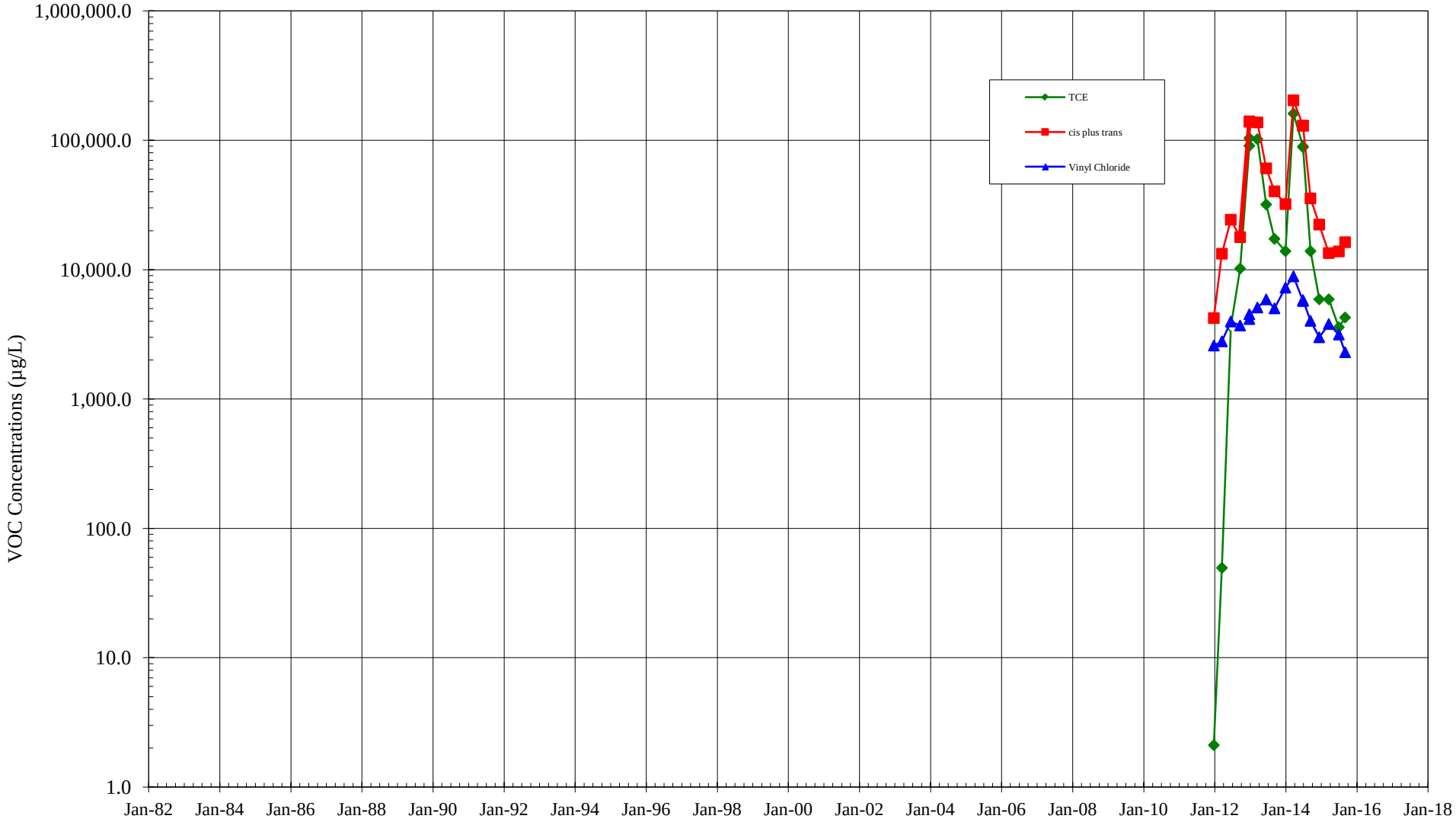


Notes: 1. All results detected below the MRLs are shown as hollow data points .
2. Site Cleanup Levels: TCE = 30 µg/L, cDCE = 70 µg/L, and Vinyl Chloride = 0.2 µg/L.
3. The original CMS (activated in August 1992) was replaced with a soil-bentonite cutoff wall in October 2011.

Groundwater Chemistry Data
Well HY-13i
BSB Property, Kent, Washington

Site	Date	Note	Vinyl Chloride µg/L	Methylene Chloride µg/L	trans-1,2-Dichloro-ethene µg/L	cis+trans	cis-1,2-Dichloro-ethene µg/L	1,1-Di-chloro-ethene µg/L	1,1-Di-chloro-ethane µg/L	1,2-Di-chloro-ethane µg/L	1,1,1-Tri-chloro-ethane µg/L	Tri-chloro-ethene µg/L	Tetra-chloro-ethene µg/L	Toluene µg/L	Ethyl-benzene µg/L	total Xylenes µg/L	Benzene µg/L	total VOCs µg/L	dissolved Arsenic mg/L	total Cyanide mg/L
HY-13i	12/22/11		2,590	1.0 U	32.3	4,222	4,190	6.11	1.13	0.5 U	0.5 U	2.11	0.5 U	NA	NA	NA	NA	6,822	NA	NA
HY-13i	03/14/12		2,790	1.0 U	182	13,282	13,100	37.5	2.04	0.5 U	0.5 U	49.5	0.5 U	NA	NA	NA	NA	16,161	NA	NA
HY-13i	06/13/12		3,970	1.0 U	326	24,326	24,000	83.5	2.32	0.5 U	0.5 U	3,640	0.5 U	NA	NA	NA	NA	32,022	NA	NA
HY-13i	09/17/12		3,700	1.0 U	629	17,829	17,200	119	0.5 U	0.5 U	0.600	10,200	0.5 U	NA	NA	NA	NA	31,849	NA	NA
HY-13i	12/21/12		4,150	1.0 U	1,170	139,170	138,000	218	8.30	0.5 U	0.5 U	90,600	1.49 J	NA	NA	NA	NA	234,148	NA	NA
HY-13i	12/21/12	Dupl	4,520	1.0 U	1,200	140,200	139,000	290	9.72	0.5 U	0.5 U	104,000	2.55 J	NA	NA	NA	NA	249,022	NA	NA
HY-13i	03/14/13		5,100	1.0 U	1,510	137,510	136,000	411	4.84	0.5 U	0.5 U	102,000	1.02	NA	NA	NA	NA	245,027	NA	NA
HY-13i	06/12/13		5,890	1.0 U	1,380	60,680	59,300	451	0.5 U	0.5 U	0.5 U	31,900	0.5 U	NA	NA	NA	NA	98,921	NA	NA
HY-13i	09/05/13		5,020	1.0 U	734	40,334	39,600	329	1.17	0.5 U	0.5 U	17,300	0.5 U	NA	NA	NA	NA	62,984	NA	NA
HY-13i	12/27/13		7,260	1.0 U	631	32,131	31,500	271	0.5 U	0.5 U	0.5 U	13,900	0.5 U	NA	NA	NA	NA	53,562	NA	NA
HY-13i	03/19/14		8,880	1.0 U	2,770	203,770	201,000	403	2.24	0.5 U	0.5 U	161,000	0.5 U	NA	NA	NA	NA	374,055	NA	NA
HY-13i	06/25/14		5,720	1.0 U	1,610	129,610	128,000	404	4.43	0.5 U	0.5 U	89,800	3.17	NA	NA	NA	NA	225,542	NA	NA
HY-13i	06/25/14	Dupl	5,820	1.0 U	1,750	129,750	128,000	364	4.42	0.5 U	0.5 U	88,500	3.31	NA	NA	NA	NA	224,442	NA	NA
HY-13i	09/10/14		4,020	1.0 U	640 J	35,540	34,900	906	0.81	0.5 U	0.5 U	13,900	0.5 U	NA	NA	NA	NA	54,367	NA	NA
HY-13i	12/09/14		3,000	1.0 U	313	22,313	22,000	146	0.5 U	0.5 U	0.5 U	5,900	0.5 U	NA	NA	NA	NA	31,359	NA	NA
HY-13i	03/17/15		3,800	1.0 U	334	13,434	13,100	122	0.5 U	0.5 U	0.5 U	5,900	0.5 U	NA	NA	NA	NA	23,256	NA	NA
HY-13i	06/29/15		3,150	1.0 U	242	13,842	13,600	79.0	0.5 U	0.5 U	0.5 U	3,590	0.5 U	NA	NA	NA	NA	20,661	NA	NA
HY-13i	09/01/15		2,300	1.0 U	306	16,306	16,000	97.0	0.5 U	0.5 U	0.5 U	4,270	0.5 U	NA	NA	NA	NA	22,973	NA	NA

Groundwater Chemistry - Well HY-13i
BSB Property, Kent, Washington



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