PERFORMANCE MONITORING REPORT

Barbee Mill Groundwater Remediation Project

Prepared for: Barbee Mill Co., Inc.

Project No. 050004-008-03 • July 31, 2017 Final





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1 Introduction

Aspect Consulting, LLC (Aspect) prepared this Performance Monitoring Report to evaluate the performance of cleanup actions implemented to address arsenic, zinc, and petroleum hydrocarbon occurrences in groundwater at the Barbee Mill Site (Site). The Site includes portions of the following properties:

- The former Barbee Mill Property (Barbee Property), which is currently owned by Conner Homes at Barbee Mill LLC, and is located at 4101 Lake Washington Boulevard North in Renton, Washington;
- The Quendall Terminals Property, located north of the Barbee Property; and
- State-owned aquatic lands of Lake Washington, located west of the Barbee Property.

Cleanup actions at the Site are described in the draft *Interim Action Design and Implementation Report* (Aspect, 2010a) and include the following activities to address arsenic and petroleum in groundwater:

- Removing soil from the Site exceeding Washington State Model Toxic Control Act (MTCA) Method A cleanup levels for arsenic and total petroleum hydrocarbons (TPH) and MTCA Method B cleanup levels for zinc.
- Installing a Passive Attenuation Zone (PAZ) along the downgradient boundary of the Barbee Property to prevent arsenic above the Site cleanup level from migrating off the Barbee Property.
- Installing a Groundwater Extraction and Treatment (Pump-and-Treat) System upgradient of the PAZ to remove additional arsenic mass from groundwater to enhance performance of the PAZ.
- Installing a network of monitoring wells and piezometers to evaluate performance of the PAZ and Pump-and-Treat System.

A Site plan showing the layout of the PAZ, Pump-and-Treat System, and monitoring well network is provided on Figure 1. Groundwater monitoring at the Site is ongoing in accordance with the *Performance Monitoring Plan* (Aspect, 2010b).

This report was prepared in accordance with Agreed Order DE 5396, dated December 1, 2009, and including Amendment 1 dated December 16, 2010, and Amendment 2 dated May 30, 2012 (AO), between Barbee Mill Co., Inc. and the State of Washington Department of Ecology (Ecology). The AO requires evaluation of remediation performance and reevaluation of restoration time frame on an annual basis. Performance of Site remedial actions through June 2016 was evaluated in the previous performance monitoring report (Aspect, 2016). This report documents the performance monitoring data collected through December 2016, evaluates the performance of the remedial actions by comparing monitoring data with remedial objectives, and updates the estimate of the Site restoration time frame.

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The report is organized as follows:

- Section 2 PAZ Performance Monitoring
- Section 3 Pump-and-Treat System Performance Monitoring
- Section 4 Estimated Restoration Time Frame
- Section 5 Conclusions and Recommendations

2 PAZ Performance Monitoring

Performance of the PAZ is evaluated by monitoring groundwater and porewater around and downgradient of the PAZ, and by inspecting the shoreline downgradient of the PAZ. Monitoring activities, results, and conclusions are provided below.

2.1 Groundwater Monitoring

Ongoing groundwater monitoring for the PAZ includes the following:

- Collecting groundwater samples from wells CMW-2S/2D, CMW-3, CMW-4S/4D, and CMW-5, and analyzing for the following parameters:
 - Dissolved arsenic, to monitor effectiveness of the PAZ at removing arsenic from groundwater.
 - Dissolved iron, pH, conductivity, dissolved oxygen, and oxidation/reduction potential (ORP), to evaluate changes to groundwater chemistry due to the PAZ.
- Collecting groundwater samples from monitoring well BH-29A and well points WP-1A and WP-8, and analyzing for the following parameters:
 - Dissolved arsenic, to monitor the rate of attenuation downgradient of the PAZ.
 - Dissolved iron, pH, conductivity, dissolved oxygen, and ORP, to evaluate changes to groundwater chemistry downgradient of the PAZ.
- Collecting groundwater samples at wells CMW-1 and CMW-6, located at either end of the PAZ, and analyzing for dissolved arsenic and iron, to evaluate capture of the arsenic plume.
- Groundwater elevation measurements at the above wells and well points and at piezometers PZ-1 and PZ-2, to estimate groundwater flow patterns.

The groundwater monitoring data is summarized in Table 1. Arsenic concentrations at each sampling location and estimated groundwater elevation contours from December 2016 are shown on Figure 2.

The objectives of the PAZ are as follows:

- To intercept arsenic in groundwater exceeding the cleanup level of 20 micrograms per liter (μg/L) at the Barbee Property boundary;
- To reduce arsenic concentrations in groundwater exiting the PAZ to less than $20 \mu g/L$; and
- To not alter water quality in groundwater in such a way that would negatively impact aquatic life in Lake Washington.

Groundwater monitoring data is evaluated relative to these objectives below.

2.1.1 Arsenic Plume Capture

The PAZ alignment was based on arsenic concentrations in samples collected from multiple depths at 21 borings along the Barbee Property boundary during the 2006 design investigation, as summarized in the draft Design Report (Aspect, 2006). The arsenic concentration at boring AZ-17 (25 μ g/L) was used to locate the south end of the PAZ while the arsenic concentration at boring AZ-9 (23 μ g/L) was used to locate the north end of the PAZ. Although these concentrations were slightly above the site cleanup level of 20 μ g/L, they were within the range of upgradient background concentrations (which were as high as 28 μ g/L) used to calculate the cleanup level.

The PAZ's effectiveness at capturing arsenic in groundwater above the cleanup level is evaluated based on the arsenic concentrations at two monitoring wells (CMW-1, at the south end of the PAZ, and CMW-6, at the east end of the PAZ), and on the groundwater flow patterns for the Site (see Figure 2). Groundwater flow directions observed at the Site during the past two sampling events are very similar to those reported in the previous performance monitoring report, and do not exhibit significant seasonal variability. Groundwater monitoring at CMW-1 and CMW-6 indicate the following:

- Arsenic concentrations at CMW-1 increased slightly after installation of the PAZ and slightly exceed the cleanup level. The concentration detected in December 2016 (62 μg/L) was slightly higher than detected in December 2015 (58 μg/L). Arsenic was not detected downgradient of CMW-1 during the most recent porewater monitoring event (Aspect, 2011), and the arsenic concentrations at CMW-1 have not exhibited a statistically significant increasing trend² since porewater monitoring was last conducted.
- Arsenic concentrations at CMW-6 increased after installation of the PAZ and exceed the cleanup level. Since May 2009, concentrations have fluctuated slightly, ranging between 110 and 240 μg/L. A downward trend has been observed since June 2011.

Although arsenic concentrations at CMW-1 and CMW-6 exceed the cleanup level, the removal of 55,000 tons of arsenic-contaminated soil from the source area in 2006, and ongoing flushing of residual contamination upgradient of the PAZ, is expected to eventually reduce arsenic concentrations at CMW-1 and CMW-6 to below the cleanup level. The Site restoration time frame is discussed in Section 4.

In accordance with the Performance Monitoring Plan, monitoring of arsenic at CMW-1 and CMW-6 and measurement of groundwater elevations at all Site monitoring wells is

¹ Anomalous water levels were measured at several wells and piezometers during the December 2015 monitoring event. Groundwater monitoring results for some wells also showed a slight increase in concentration during this same event. Monitoring wells and piezometers were redeveloped prior the June 2016 monitoring event, and water levels and concentrations measured in June 2016 were more consistent with historical data.

² Data were analyzed for trends using linear regression analysis performed at the 95% confidence interval as described in EPA (2009). Data were also log transformed or analyzed with a seasonal Kendall trend analysis where appropriate, as determined by a Shapiro Wilk test for normality, Rank Von Neumann test for seasonality, and seasonality test.

planned to be conducted annually. The proposed groundwater monitoring schedule is summarized in Table 2.

2.1.2 Arsenic Removal

The PAZ is designed to reduce arsenic concentrations in groundwater flowing through the PAZ by at least 95 percent. Downgradient of the PAZ, arsenic concentrations are expected to decline gradually (i.e., attenuate) as residual arsenic on soil desorbs into the treated groundwater. Below, we evaluate the arsenic removal by the PAZ and the attenuation of arsenic downgradient of the PAZ.

2.1.2.1 PAZ Treatment Effectiveness

Arsenic removal by the PAZ is monitored at six monitoring wells constructed downgradient of the PAZ. Four shallow wells (CMW-2S, CMW-3, CMW-4S, and CMW-5) are screened near the water table, and two deeper wells (CMW-2D and CMW-4D) are located downgradient of the two deeper sections of the PAZ. Based on the surveyed coordinates for the wells and the PAZ, two of the shallow wells—CMW-3 and CMW-5—are located within 1 foot of the edge of the PAZ, while the other wells are located approximately 5 to 8 feet away from the edge of the PAZ.

Arsenic concentrations at PAZ monitoring wells are summarized in Table 1 and on Figure 3. Concentrations at three of the four shallow wells—CMW-2S, CMW-3, and CMW-5—have consistently been below cleanup levels since the PAZ was installed. Based on the reductions from initial concentrations at these locations, the PAZ has removed 98 to 99.5 percent of arsenic from groundwater.³

Concentrations at the fourth shallow well—CMW-4S—have dropped over 97 percent (to 99 $\mu g/L$) compared to preremediation conditions. This concentration is above the cleanup level of 20 $\mu g/L$. As discussed in the previous performance monitoring reports, concentrations at CMW-4S are likely elevated due to arsenic desorbing from soil downgradient of the PAZ. Contaminant fate-and-transport modeling (see Section 4) indicates that a more gradual decline in concentrations downgradient of the PAZ is consistent with the desorption and gradual flushing of residual arsenic on soil.

Arsenic concentrations at the two deep wells (CMW-2D and CMW-4D) have also declined compared to preremediation conditions, but more slowly than at the shallow wells. Data from these wells have shown the following:

At CMW-2D: Concentrations are 32 percent lower than before the PAZ was installed. Concentrations initially decreased sharply, but have increased since the Pump-and-Treat System was shut down in August 2011. This well was redeveloped prior to the June 2016 sampling event to ensure that the well screen is in good hydraulic connection with the deep aquifer. The post-

³ Using initial concentrations as the basis for arsenic removal is a reasonable estimate for initial performance, but as monitoring proceeds, actual removal of arsenic by the PAZ may be different than estimated using this method because influent concentrations – those entering the PAZ – are not monitored. Influent concentrations are expected to decrease over time, due to the prior excavation action and the on-going Pump-and-Treat System. However, performance of the PAZ will ultimately be evaluated by the effluent concentrations, not the percent removal.

- redevelopment arsenic concentrations declined slightly from 190 $\mu g/L$ to 170 $\mu g/L$.
- At CMW-4D: Concentrations have been reduced 88 percent as of December 2016. Concentrations have varied considerably (between 300 and 1,700 µg/L) but have shown a consistent downward trend since the Pump-and-Treat System was shut down in August 2011. The variability shows some seasonal patterns, with the highest concentrations detected in December and the lowest concentrations detected in September of each monitoring year, based on three years of quarterly monitoring.

A slower response to PAZ treatment in the deeper system is not unexpected because groundwater flow in this unit is likely much slower than in the shallow unit, due to the presence of lower permeability sandy silt, silt, and peat layers. Slower groundwater flow rates provide slower flushing of residual arsenic downgradient of the PAZ.

In accordance with the Performance Monitoring Plan, and as summarized in Table 2, annual monitoring of arsenic at the six PAZ monitoring wells is planned. Site-wide average arsenic concentrations since 2011 have been the same in June and December; however, the rate of groundwater discharge to Lake Washington is highest in December due to precipitation recharge in the uplands and lower lake levels during the winter. Therefore, the next groundwater monitoring event is scheduled for December 2017.

2.1.2.2 Attenuation Downgradient of the PAZ

Attenuation of arsenic in groundwater downgradient of the PAZ is evaluated based on data at one monitoring well, BH-29A (located 180 feet downgradient of the PAZ), and two sediment well points: WP-1A (located 50 feet downgradient of the PAZ) and WP-8 (located 150 feet downgradient of the PAZ). The well points, which are located in Lake Washington and screened approximately 2 feet below mudline, represent locations furthest downgradient of the PAZ where elevated arsenic concentrations have been measured and, therefore, the location where arsenic concentrations are likely to remain elevated the longest (see restoration time-frame discussion in Section 4). Data are summarized in Table 1. Trends in arsenic concentrations at WP-1A and WP-8 are shown on Figure 3 and summarized as follows:

- WP-1A: Arsenic concentrations have declined 99 percent at this location since the PAZ was installed. Arsenic concentrations at this location have historically exhibited significant seasonal variation. A concentration of 6.5 µg/L was observed in December 2016.
- WP-8: This location was not sampled prior to PAZ installation. Arsenic concentrations at this well point have declined 60 percent since the well point was installed in May 2009 and exhibit a slight downward trend.
- BH-29A: This location was not sampled prior to PAZ installation. Arsenic concentrations have fluctuated between 210 and 490 μg/L. Concentrations have declined 46 percent since this well was first sampled in September 2009.

Based on the collective data, arsenic concentrations in groundwater downgradient of the PAZ are declining. Additional data are needed to evaluate trends at BH-29A. As

summarized in Table 2, annual monitoring of arsenic at WP-1A, WP-8, and BH-29A is planned in December 2017.

2.1.3 Effect of PAZ on Groundwater Chemistry

To determine the effect of the PAZ on groundwater chemistry, PAZ wells are monitored for iron and field parameters including pH, temperature, conductivity, dissolved oxygen, and ORP. Iron concentrations are summarized in Table 1 and field parameter data are summarized in Table 3. Results indicated the following:

- At locations downgradient of the PAZ where iron was analyzed before and after installation of the PAZ (CMW-3, CMW-4S, at CMW-4D), dissolved iron concentrations are below those measured before PAZ installation.
- Little difference in temperature, dissolved oxygen, or ORP was noted between wells downgradient of the PAZ (CMW-2S, CMW-2D, CMW-3, CMW-4S, CMW-4D, and CMW-5) and wells up- or cross-gradient of the PAZ (EW-1 through EW-8, CMW-1, and CMW-6).
- The average pH of groundwater was slightly higher downgradient of the PAZ (7.5) than upgradient of the PAZ (6.7).

This data is consistent with the expected performance of the PAZ, in which ongoing reactions with the iron is expected to slightly raise the pH and remove dissolved minerals (consequently lowering the conductivity).

Based on the collected data, the PAZ is not adversely affecting groundwater chemistry. As summarized in Table 2, annual monitoring of dissolved iron and field parameters at PAZ monitoring wells will continue.

3 Pump-and-Treat System Performance Monitoring

The Pump-and-Treat System became operational on June 3, 2009. The system was shut down on August 5, 2011, to evaluate the potential for arsenic concentrations in groundwater to increase (i.e., rebound) in the absence of pump-and-treat (termed 'the rebound analysis'). The rebound analysis is ongoing. An evaluation based on data through December 2016 is included in this report.

Performance monitoring for the rebound analysis included the following:

• Collecting water samples from extraction wells EW-1 through EW-8 for analysis of dissolved arsenic and iron. Data from these wells are summarized in Table 1. Trends in arsenic concentrations at these wells are shown on Figure 4.

The purpose of the Pump-and-Treat System is to remove arsenic from groundwater upgradient of the PAZ. The primary objectives of removing arsenic upgradient of the PAZ are: 1) to reduce the restoration time frame for the Site to less than 50 years; and 2) to reduce arsenic concentrations entering the PAZ to 400 μ g/L (so that the PAZ design objective of 95 percent arsenic removal achieves the Site cleanup level of 20 μ g/L). Restoration time frame is discussed in Section 4. Monitoring results and the results of the rebound analysis are described below.

3.1 Monitoring Results

Monthly effluent sampling and system operational monitoring were not conducted during the period covered by this report (July 2016 through June 2017) because the Pump-and-Treat System was not operated as part of an ongoing rebound analysis (i.e., evaluating the potential for arsenic concentrations in groundwater to increase in the absence of pump-and-treat). For the rebound analysis, groundwater monitoring was conducted for the following reasons:

- To identify long-term trends in arsenic concentrations upgradient of the PAZ and compare to model predictions of restoration time frame (see Section 4); and
- To allow evaluation of PAZ performance and long-term trends downgradient of the PAZ without groundwater pumping.

PAZ performance monitoring data will be used to evaluate the effectiveness of the installed remedy and to help evaluate alternatives for the upcoming Feasibility Study.

Arsenic concentrations at extractions wells are included in Table 1 and trendplots for each well are shown on Figure 4. The data indicate the following:

• At three extraction wells (EW-5, EW-6, and EW-7), arsenic concentrations have declined since the Pump-and-Treat System was shut down in 2011.

- Three wells (EW-1, EW-4, and EW-8) have not exhibited a significant increasing or decreasing trend⁴ since the Pump-and-Treat System was shut down.
- An overall increase in arsenic concentrations was measured at wells EW-2 (from 130 to 160 μg/L), and EW-3 (from 140 to 240 μg/L), with a slightly increasing trend noted during the rebound analysis period; however, a slight decreasing trend has been noted at EW-2 since 2015.
- Overall, the average arsenic concentration at the eight extraction wells EW-1 through EW-8 have declined 60 percent during the pump-and-treat rebound analysis period, from 365 μg/L to 146 μg/L, between September 2011 and December 2016 (see Figure 6).

Based on the results, arsenic concentrations upgradient of the PAZ are declining in the absence of pump-and-treat. Observed trends are compared to model predictions in Section 4 below. Based on these preliminary results, continuation of the rebound analysis (i.e., leaving the system off and continuing groundwater monitoring in accordance with the schedule in Table 2) is recommended. Future groundwater monitoring data will be documented in progress reports submitted to Ecology.

Evaluation of the continued rebound analysis will be provided in the next performance monitoring report due to Ecology on July 31, 2018.

⁴ Data were analyzed for trends using linear regression analysis performed at the 95% confidence interval as described in EPA (2009). Data were also log transformed or analyzed with a seasonal Kendall trend analysis where appropriate, as determined by a Shapiro Wilk test for normality, Rank Von Neumann test for seasonality, and seasonality test.

4 Restoration Time Frame

Upgradient of the PAZ, residual arsenic is being flushed out by clean groundwater flowing onto the Site. Downgradient of the PAZ, residual arsenic is being flushed out by clean groundwater treated by the PAZ. This section describes the estimated restoration time frame (i.e., the time for arsenic concentrations to achieve cleanup levels in groundwater) in these two areas.

Restoration time frames were estimated as described in the previous performance monitoring reports using a fate-and-transport model (Aspect, 2011; Aspect, 2012; Aspect, 2013; Aspect, 2014; and Aspect, 2015). The model-predicted concentrations (based on 2011 model calibration) and measured concentrations of arsenic at wells CMW-4S, CMW-5 and well points WP-1A and WP-8 are shown on Figure 5. The model predicted a faster decline than was observed at CMW-4S and a slower decline than was observed at CMW-5, WP-1A, and WP-8; as discussed in the previous monitoring reports, this is likely due to the following:

- Modeling artifact for CMW-5, which is located less than 5 feet from the PAZ. At this close distance, even the finer model grid (5-foot cell spacing) cannot provide sufficient resolution. Model grids of less than 5 feet were considered but were determined to not add additional precision due to uncertainty in model predictions of transport processes that occur over very short distances at model boundaries (such as the edge of the PAZ) where concentrations used in the model change dramatically.
- Actual groundwater conditions that vary from the simple model assumptions of uniform initial concentration, homogeneous soils, and equilibrium sorption.

The model (based on 2011 model calibration) estimated that restoration time frames (i.e., time after PAZ installation to achieve the arsenic cleanup level) downgradient of the PAZ are 21 years at WP-1A, 25 years at BH-29A, and 40 years at WP-8 under natural groundwater flushing (no pump-and-treat⁵). Based on a comparison of data collected since 2011 (when the Pump-and-Treat System was shut off) to model-predicted concentrations for the same time period (Figure 5), the model may be over-predicting restoration time frame at WP-1A and WP-8⁶ (i.e., groundwater concentrations are dropping faster than predicted). However, there is some variability in the data and additional data is needed to confirm this trend. If this trend continues based on future monitoring, it may be appropriate to recalibrate the groundwater model and re-estimate restoration timeframe.

⁵ As described in 2012 performance monitoring report (Aspect, 2012), a longer restoration time frame would be predicted if the Pump-and-Treat System is operated for an additional period in the future because pumping would slow the rate of groundwater flow downgradient of the PAZ (and, consequently, the rate of arsenic flushing).

⁶ BH-29A has been monitored less frequently, so there are fewer data points to evaluate trends at this location.

In 2011, restoration time frames upgradient of the PAZ were estimated to be 39 years at EW-1 and 20 years at EW-8 without additional pump-and-treat. This was based on an average arsenic concentration upgradient of the PAZ of 244 μ g/L as measured in June 2011. As of December 2016, the average upgradient arsenic concentration had declined to 146 μ g/L. This decline is consistent with the model-predicted decline upgradient of the PAZ (see Figure 6); therefore, no recalibration of the model upgradient of the PAZ is recommended at this time. Continued monitoring is needed to evaluate long-term trends.

5 Conclusions and Recommendations

Site monitoring data indicate that remedial actions have greatly reduced arsenic concentrations at the Site. The PAZ is removing residual arsenic in groundwater migrating from the Barbee Property. More monitoring is needed to confirm continued treatment and to further refine predictions of restoration time frame.

Future PAZ performance monitoring will occur on an annual basis and we recommend performing the annual sampling in December. Since 2011, the average arsenic concentrations across the site measured in December/January and June sampling events are the same; however, the relative head difference between the uplands and Lake Washington is greater during the winter when lake levels are lower. Sampling during the season with the greatest relative head difference would correspond with the season of increased groundwater discharge to Lake Washington.

Progress reports are currently prepared on an annual basis. The next progress report will be submitted to Ecology within 30 days of receiving the analytical data from the December 2017 sampling event.

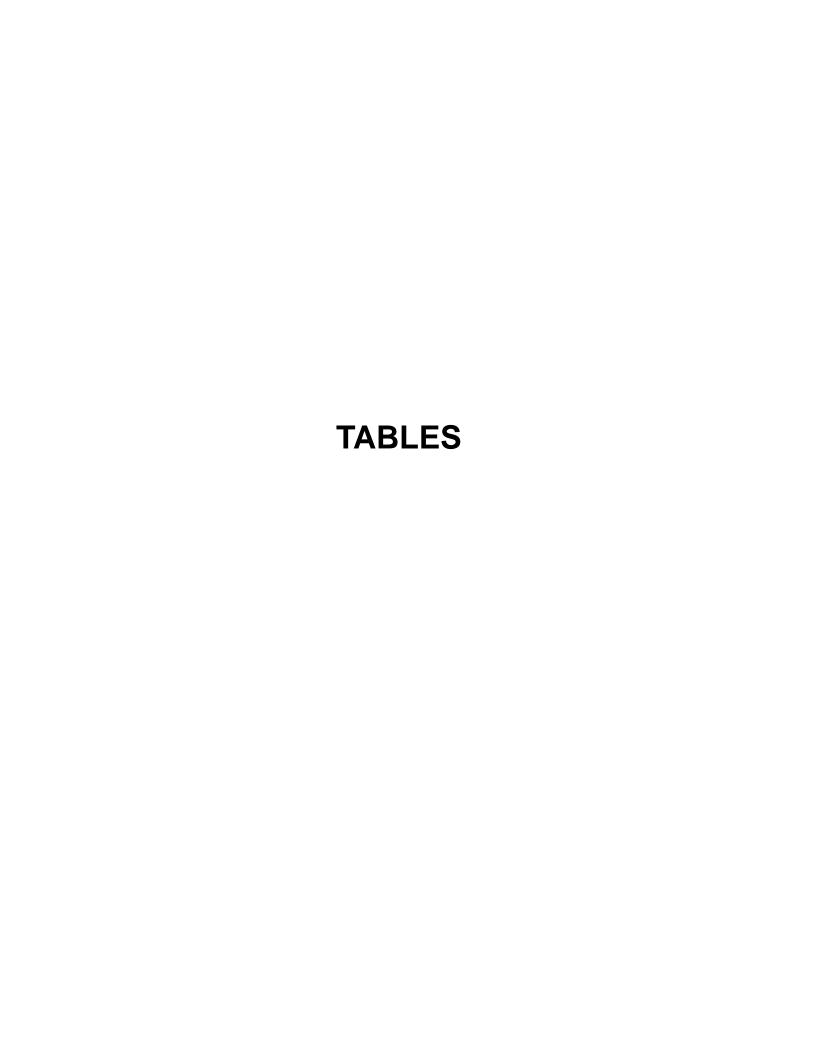
Additionally, we recommend continuing the rebound analysis by leaving the Pump-and-Treat System off and continuing groundwater monitoring. We will provide an evaluation of remediation performance and restoration time frame in the next annual performance monitoring report. The next annual performance monitoring report is due on July 31, 2018.

6 References

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Limitations

Work for this project was performed and this report prepared in accordance with generally accepted professional practices for the nature and conditions of work completed in the same or similar localities, at the time the work was performed. It is intended for the exclusive use of Barbee Mill Co., Inc. for specific application to the referenced property. This report does not represent a legal opinion. No other warranty, expressed or implied, is made.



	1	I					Concentra	ation in µg/L			Concentration in mg/L
	TOC		Depth to Water	Groundwater							
Well	Elevation	Date Cleanum I e	in Feet	Elevation in Feet tandard (See Note 2)	Arsenic 20	Zinc 32	Lead 0.54	Copper	TPH-D 0.5	TPH-O 0.5	Iron 75
Performance Monitoring Wells	ŝ	Cleanup Le	vei/Performance S	tandard (See Note 2)	20	32	0.34	3.5	0.5	0.5	75
CMW-1	22.75	7/19/2006			31						26
		8/30/2007 5/5/2009	4.63 3.58	18.12 19.17	33 37				0.27 U	0.43 U	27 42
		9/8/2009	4.61	18.14	53				0.25 U	0.41 U	41
		12/23/2009 3/18/2010	5.36 4.45	17.39 18.30	39 49				0.26 U	0.41 U 0.41 U	39 48
		6/21/2010	3.55	19.20	49				0.26 U	0.410	58
		9/14/2010	4.57	18.18	45						42
		12/23/2010 3/10/2011	4.99	17.76	48 43						33 32
		6/13/2011	3.53	19.22	47						34
		9/28/2011 12/8/2011	4.73 5.19	18.02 17.56	56 51						31 31
		3/6/2012	4.79	17.96	46						32
		6/26/2012 12/13/2012	3.36 4.88	19.39 17.87	40 47						33 29
		6/20/2013	3.74	19.01	47						42
		1/15/2014 6/25/2014	5.16 3.41	17.59 19.34	45 48						31 36
		12/10/2014	4.78	17.97	54						36
		6/12/2015	4.02 4.93	18.73 17.82	47						33 45
		12/29/2015 1/22/2016	4.93	17.82	58						45
		6/8/2016	3.72	19.03	45						43
CMW-2S	22.27	12/29/2016 5/23/2006	4.95	17.80	62 120		1			-	32
2 20		8/30/2007	4.32	17.95	4.1		1 U	1 U			1.4
	1	5/5/2009 9/8/2009	3.28 4.52	18.99 17.75	1.7 2.1	5 U 6.3	1 U 1 U	1 U 1 U			0.63 1.9
		12/23/2009	5.11	17.16	2.1	5 U	1 U	1 U			3.1
	1	3/19/2010 6/21/2010	4.10 3.28	18.17 18.99	2.6	5 U	1 U	1 U	_		1.8 1.8
		9/14/2010	4.42	17.85	2.1						1.6
		12/23/2010	4.95	17.32	1.6						2.4
		3/10/2011 6/13/2011	4.29 3.24	17.98 19.03	1.3 3.2						7.3 14
		9/28/2011	4.65		2.3						8.7
		12/8/2011 3/6/2012	5.08 4.75	17.19 17.52	1.9 1.6						12 20
		6/26/2012	3.12	19.15	2.3						32
		12/13/2012 6/20/2013	5.01 3.46	17.26 18.81	2.2						28 39
		1/15/2014	5.02	17.25	1.5						28
		6/25/2014	3.24	19.03	2						39
		12/10/2014 6/12/2015	5.02 3.8	17.25 18.47	1.5						31 39
		12/29/2015	5.03	17.24	1.2						53
		1/22/2016 6/8/2016	7.53 3.53	14.74 18.74	1.2						66
		12/29/2016	5.01	17.26	1.4						52
CMW-2D	22.20	7/19/2006 8/30/2007	3.99	18.21	250 33		1 U	1 U			9.2
		4/30/2009	3.29	18.91	92	14	1 U	1 U			4.5
		9/8/2009 12/23/2009	4.20 4.81	18.00 17.39	92 92	8.8 12	1 U	1 U			4.2 3.4
		3/19/2010	3.79	18.41	89	5 U	1 U	1 U			3.4
		6/21/2010	3.02	19.18	74						3.1
		9/14/2010 12/23/2010	4.13 4.56	18.07 17.64	78 98						3.1 3.3
		3/11/2011	3.93	18.27	99						3.2
		6/13/2011 9/28/2011	2.94 4.32	19.26 17.88	90 89						3.2 2.7
		12/8/2011	4.71	17.49	110						3.0
	1	3/6/2012 6/26/2012	4.37 2.80	17.83 19.40	120 120					-	3.1 3.3
		12/13/2012	4.59	17.61	150						3.5
	1	6/20/2013 1/15/2014	3.18	19.02	160						3.2
		1/15/2014 6/25/2014	4.72 2.94	17.48 19.26	140 140						2.9 3.0
		12/10/2014	4.66	17.54	140						2.0
		6/12/2015 12/29/2015	3.48 16.61	18.72 5.59	170 190					 	2.0 3.7
		1/22/2016	16.67	5.53							
	1	6/8/2016 12/29/2016	3.52 4.59	18.68 17.61	170 170						3.5 3.5
CMW-3	22.41	7/19/2006			110						90 ⁽³⁾
	1	8/30/2007	3.78 2.32	18.63	1.3	5 U	1 U	1 U			2.9
		4/30/2009 9/8/2009	2.32 4.02	20.09 18.39	1 U 1.1	5 U	1 U	1 U			0.11 0.086
		12/22/2009	4.02	18.39	1 U	5 U	1 U	1 U			0.23
	1	3/19/2010 6/21/2010	3.61 2.77	18.80 19.64	1 U 1 U	5 U	1 U	1 U		 	0.2 0.26
		9/14/2010	4.01	18.40	1 U						0.2
		12/23/2010 3/11/2011	3.80 3.23	18.61 19.18	1 U 1 U						0.29 3.2
		6/13/2011	2.10	20.31	1 U						0.53
	1	9/28/2011	4.00 4.24	18.41	2						0.6 1.2
Ī		12/8/2011 3/6/2012	3.93	18.17 18.48	1 U 1 U					1	3.7
		6/26/2012	2.42	19.99	1 U						1.5
					1 U	1	1	1	l	į.	1.4
		12/13/2012	3.75 2.81	18.66 19.60							
		12/13/2012 6/20/2013 1/15/2014	2.81 4.23	19.60 18.18	1.3						2.8 5
		12/13/2012 6/20/2013 1/15/2014 6/25/2014	2.81 4.23 2.6	19.60 18.18 19.81	1 1.3 1.5						2.8 5 7.5
		12/13/2012 6/20/2013 1/15/2014	2.81 4.23	19.60 18.18	1.3						2.8 5

							Concentra	ition in μg/L			Concentration in mg/L
	TOC		Depth to Water	Groundwater							_
Well	Elevation	Date Cleanum / ex	in Feet	Elevation in Feet	Arsenic 20	Zinc 32	Lead 0.54	Copper 3.5	TPH-D 0.5	7PH-O 0.5	Iron 75
Performance Monitoring Wells	(Continued)	Cleanup Le	vei/Performance S	tandard (See Note 2)	20	32	0.54	3.5	0.5	0.5	75
		1/22/2016	7.49	14.92							
		6/8/2016 12/29/2016	3.13 3.98	19.28 18.43	1.4						14 27
CMW-4S	27.44	7/19/2006	0.50	10.40	4300						50
		8/30/2007	9.40	18.04	510	511	1 U 1 U	1 U 1 U			28
		4/30/2009 9/8/2009	8.11 9.57	19.33 17.87	180 230	5 U	1 U	1 U			12 8
		12/22/2009	9.82	17.62	210	5 U	1 U	1 U			17
		3/19/2010 6/21/2010	9.03 8.36	18.41 19.08	230 200	5 U	1 U	1 U			17 11
		9/27/2010	9.47	17.97	200						9.2
		12/23/2010	9.69	17.75	190 140						17
		3/11/2011 6/13/2011	9.05 8.24	18.39 19.20	140						23 11
		9/28/2011	9.64	17.80	170						7.9
	+	12/8/2011 3/6/2012	10 9.55	17.44 17.89	160 130						5.6 17
		6/26/2012	8.09	19.35	120						9.8
		12/13/2012	9.58 8.47	17.86 18.97	120 110						15 7.9
		6/20/2013 1/15/2014	9.79	17.65	25						16
		6/25/2014	8.22	19.22	110						11
		12/10/2014 6/12/2015	9.52 8.78	17.92 18.66	120 110						15 8.3
		12/29/2015	11.72	15.72	100						24
		1/22/2016	9.06	18.38	00						40
-	+	6/8/2016 12/29/2016	8.5 9.63	18.94 17.81	89 99						12 17
CMW-4D	27.92	2/15/2007			3400						13
<u> </u>	1	8/30/2007 4/30/2009	9.51 8.20	18.41 19.72	1700 1400	5 U	1 U	1 U 1 U			10 6
		9/8/2009	9.71	18.21	420	5 U	1 U	1 U			2
		12/22/2009	10.16	17.76	1700	5 U	1 U	1 U			9
		3/19/2010 6/21/2010	9.17 8.56	18.75 19.36	910 740	5 U	1 U	1 U			6.1 4.7
		9/27/2010	9.61	18.31	320						2.1
		12/23/2010 3/11/2011	9.77 9.23	18.15 18.69	1000 910						8.8 5.8
		6/13/2011	8.33	19.59	580						4.5
		9/28/2011	9.72	18.20	490						3.5
		12/8/2011 3/6/2012	10.04 9.72	17.88 18.20	660 640						19 5
	770	6/26/2012	8.14	19.78	510						4.5
	27.59 ⁽⁷⁾	12/13/2012 6/20/2013	9.39 8.19	18.20 19.40	570 370						6.1 4.1
		1/15/2014	9.60	17.99	610						7.2
		6/25/2014	7.95	19.64	340						5.4
		12/10/2014 6/12/2015	9.43 8.54	18.16 19.05	530 300						6.9
		12/29/2015	9.35	18.24	460						7.2
		1/22/2016 6/8/2016	9.29 8.24	18.30 19.35	320						5.9
		12/29/2016	9.42	18.17	400						6.9
CMW-5	31.07	6/23/2006			2900						
		8/30/2007 5/5/2009	12.32 10.87	18.75 20.20	22 6	5 U	1 U	1 U			1.8 1.8
		9/8/2009	12.72	18.35	7.8	5 U	1 U	1 U			0.069
		12/22/2009 3/18/2010	12.56 12.03	18.51 19.04	18 7	5 U 9.5	1.4 1 U	1 U			5.8 2.2
		6/21/2010	11.34	19.73	9.3	9.5	10	10			1.7
		9/27/2010	12.65	18.42	7.9						0.056 U
		12/27/2010 3/11/2011	12.09 11.67	18.98 19.40	6.9 8.8						0.99 5.2
		6/14/2011	11.02	20.05	5.1						0.37
 	+	9/29/2011 12/9/2011	12.43 12.62	18.64 18.45	6.2 5.3			-			0.17 0.092
		3/7/2012	12.1	18.97	4.1						8.7
<u> </u>	1	6/26/2012 12/13/2012	10.66 11.85	20.41 19.22	3.4			-			15 23
		6/21/2013	11.26	19.81	2.4						30
		1/14/2014 6/26/2014	12.27 11.08	18.80 19.99	3.3 1.8						29 37
		12/10/2014	11.08	19.14	2.3						38
		6/12/2015	11.69	19.38	2.1						33
<u> </u>		12/30/2015 1/22/2016	11.86 11.59	19.21 19.48	2.4			 			39
		6/8/2016	11.23	19.84	1.6						43
CMW-6	31.03	12/28/2016 6/5/2006	12.01	19.06	1.6 23						27
CIVIVV-0	31.03	8/30/2007	11.61	19.42	110						25
		5/1/2009	9.70	21.33	210						21
	+	9/8/2009 12/23/2009	12.17 11.63	18.86 19.40	210 220						17 16
		3/18/2010	11.28	19.75	230						18
	1	6/21/2010 9/15/2010	13.36 12.19	17.67 18.84	200 210			-			17 16
		12/27/2010	10.79	20.24	240						22
		3/11/2011	10.56	20.47	180						17
	1	6/14/2011 9/29/2011	10.10 11.47	20.93 19.56	210 200			 			17 16
		12/9/2011	11.42	19.61	200						19
	1	3/7/2012 6/26/2012	10.87 11.57	20.16 19.46	170 150						20 18
	+	12/13/2012	10.35	20.68	170			 			18
		6/21/2013	13.85	17.18	150						12
	1	1/15/2014 6/26/2014	11.04 14.03	19.99 17.00	180 110			-			15 12
1	1	5,20,2014	14.00	17.00	110	<u> </u>	1	1	1	i .	12

	TOC		Depth to Water	Groundwater			Contonilla	ation in μg/L			Concentration in mg
Well	Elevation	Date	in Feet	Elevation in Feet	Arsenic	Zinc	Lead	Copper	TPH-D	TPH-O	Iron
Performance Monitoring W	olla (Continued)	Cleanup Le	vel/Performance S	tandard (See Note 2)	20	32	0.54	3.5	0.5	0.5	75
renormance Monitoring W	elis (Continueu)	12/10/2014	10.58	20.45	170						14
		6/11/2015 12/30/2015	10.83 12.24	20.20 18.79	120 160						12 11
		1/22/2016	10.85	20.18	160						
		6/8/2016	10.36	20.67	110						10
WP-1A		12/28/2016 8/10/2005	10.62	20.41	150 2,490						13
		5/1/2009			430						20
		9/9/2009 12/22/2009			52 110						7.2 17
		3/18/2010			550						43
		6/22/2010 9/14/2010			330 48						19 4.3
		12/27/2010			210						28
		3/11/2011 6/13/2011			25 270						3.9 20
	+	9/28/2011			NM ⁽⁶⁾						NM ⁽⁶⁾
		12/8/2011			21						2.6
		3/6/2012 6/26/2012			34 480						1.9 37
		1/22/2013 ⁸			71						5.2
		6/20/2013 1/14/2014			60 5.7						4.5 1.6
		6/25/2014			45						2.3
		12/10/2014 6/11/2015			6.7 19						2.7 0.48
		12/29/2015			38						3.4
		6/8/2016 12/29/2016			5.2 6.5						0.067 23
WP-8		5/1/2009			680						11
		9/9/2009			490						9.5
		12/22/2009 3/18/2010			450 550						18 13
		6/22/2010			430						8.4
		9/14/2010 12/27/2010			560 610						13 19
		3/11/2011			490						18
		6/13/2011 9/28/2011			480 NM ⁽⁶⁾						15
		12/8/2011			420						19
		3/6/2012 6/26/2012			490 480						22 25
	+	1/22/2013 ⁸			360						24
		6/20/2013			390						24
		1/14/2014 6/25/2014			350 360						22 23
		12/10/2014			400						21
											19
		6/11/2015 12/29/2015			370 250						
		12/29/2015 6/8/2016			250 270						20 16
Extraction Wells		12/29/2015			250						20
Extraction Wells EW-1	26.81	12/29/2015 6/8/2016 12/29/2016 6/3/2009			250 270 300				0.26 U	0.42 U	20 16 17
	26.81	12/29/2015 6/8/2016 12/29/2016 6/3/2009 9/9/2009	6.86	19.95 16.69	250 270 300 41 63				0.25 U	0.4 U	20 16 17 14 12
	26.81	12/29/2015 6/8/2016 12/29/2016 6/3/2009 9/9/2009 12/23/2009 3/18/2010	10.12 7.08	16.69 19.73	250 270 300 41 63 110 130						20 16 17 14 12 22 23
	26.81	12/29/2015 6/8/2016 12/29/2016 6/3/2009 9/9/2009 12/23/2009 3/18/2010 6/22/2010	10.12 7.08 5.76	16.69 19.73 21.05	250 270 300 41 63 110 130 180				0.25 U 0.26 U	0.4 U 0.41 U	20 16 17 14 12 22 23 12
	26.81	12/29/2015 6/8/2016 12/29/2016 6/3/2009 9/9/2009 12/23/2009 3/18/2010 6/22/2010 9/15/2010 12/27/2010	10.12 7.08 5.76 6.93 6.74	16.69 19.73 21.05 19.88 20.07	250 270 300 41 63 110 130 180 200				0.25 U 0.26 U	0.4 U 0.41 U	20 16 17 14 12 22 23 12 17 18
	26.81	12/29/2015 6/8/2016 12/29/2016 6/3/2009 9/9/2009 12/23/2009 3/18/2010 6/22/2010 9/15/2010 12/27/2010 3/11/2011	10.12 7.08 5.76 6.93 6.74 6.51	16.69 19.73 21.05 19.88 20.07 20.30	250 270 300 41 63 110 130 180 200 120				0.25 U 0.26 U	0.4 U 0.41 U	20 16 17 17 14 12 22 23 12 17 18
	26.81	12/29/2015 6/8/2016 12/29/2016 6/3/2009 9/9/2009 12/23/2009 3/18/2010 6/22/2010 9/15/2010 12/27/2010	10.12 7.08 5.76 6.93 6.74	16.69 19.73 21.05 19.88 20.07	250 270 300 41 63 110 130 180 200				0.25 U 0.26 U	0.4 U 0.41 U	20 16 17 14 12 22 23 12 17 18
	26.81	12/29/2015 6/8/2016 12/29/2016 12/29/2016 6/3/2009 9/9/2009 12/23/2009 3/18/2010 9/15/2010 12/27/2010 9/15/2010 6/4/2011 9/29/2011 12/9/2011	10.12 7.08 5.76 6.93 6.74 6.51 5.80 6.67 7.19	16.69 19.73 21.05 19.88 20.07 20.30 21.01 20.14 19.62	250 270 300 41 63 110 130 180 200 120 130 150 110				0.25 U 0.26 U	0.4 U 0.41 U	20 16 17 14 12 22 23 12 17 18 16 16 15
	26.81	12/29/2015 6/8/2016 12/29/2016 12/29/2016 6/3/2009 9/9/2009 12/23/2009 9/15/2010 6/22/2010 9/15/2010 3/11/2011 6/14/2011 12/9/2011 12/9/2011 12/9/2011 6/26/2012 6/26/2012	10.12 7.08 5.76 6.93 6.74 6.51 5.80 6.67 7.19 6.82 5.54	16.69 19.73 21.05 19.88 20.07 20.30 21.01 20.14 19.62 19.99 21.27	250 270 300 41 63 110 130 200 120 130 150 110 110 110 76				0.25 U 0.26 U	0.4 U 0.41 U	20 16 17 14 12 22 23 12 17 18 16 16 15 17
	26.81	12/29/2015 6/8/2016 12/29/2016 6/3/2009 9/9/2009 12/23/2009 3/18/2010 9/15/2010 12/27/2010 9/15/2010 12/27/2010 9/15/2011 12/9/2011 12/9/2011 3/6/2012 12/14/2012 12/14/2012	10.12 7.08 5.76 6.93 6.74 6.51 5.80 6.67 7.19 6.82 5.54 6.62	16.69 19.73 21.05 19.88 20.07 20.30 21.01 20.14 19.62 19.99 21.27 20.19	250 270 300 41 63 110 130 180 200 130 150 110 71 76 70				0.25 U 0.26 U	0.4 U 0.41 U	20 16 17 17 14 12 22 23 31 12 17 18 16 16 15 17 17
	26.81	12/29/2015 6/8/2016 12/29/2016 12/29/2016 6/3/2009 9/9/2009 12/23/2009 9/15/2010 6/22/2010 9/15/2010 3/11/2011 6/14/2011 12/9/2011 12/9/2011 12/9/2011 6/26/2012 6/26/2012	10.12 7.08 5.76 6.93 6.74 6.51 5.80 6.67 7.19 6.82 5.54	16.69 19.73 21.05 19.88 20.07 20.30 21.01 20.14 19.62 19.99 21.27	250 270 300 41 63 110 130 200 120 130 150 110 110 110 76				0.25 U 0.26 U	0.4 U 0.41 U	20 16 17 14 12 22 23 12 17 18 16 16 15 17
	26.81	12/29/2015 6/8/2016 12/29/2016 6/3/2009 9/9/2009 12/23/2009 3/18/2010 9/15/2010 9/15/2010 12/27/2010 9/15/2011 6/14/2011 12/9/2011 3/6/2012 12/14/2012 6/21/2013 1/14/2014 6/26/2014	10.12 7.08 5.76 6.93 6.74 6.51 5.80 6.67 7.19 6.82 5.54 6.62 6.11 7.19	16.69 19.73 21.05 19.88 20.07 20.30 21.01 20.14 19.62 19.99 21.27 20.19 20.70 19.62 21.00	250 270 300 41 63 110 130 200 120 120 130 150 110 71 76 100 74 80				0.25 U 0.26 U	0.4 U 0.41 U	20 16 17 14 12 22 23 12 17 18 16 16 15 17 17 17 22 18 17
	26.81	12/29/2015 6/8/2016 12/29/2016 12/29/2016 6/3/2009 9/9/2009 12/23/2009 9/15/2010 9/15/2010 3/11/2011 6/14/2011 3/6/2012 12/27/2010 3/12/2011 3/6/2012 12/14/2011 6/2/2012 12/14/2012 6/2/1/2013	10.12 7.08 5.76 6.93 6.74 6.51 5.80 6.67 7.19 6.82 5.54 6.62 6.11 7.19	16.69 19.73 21.05 19.88 20.07 20.30 21.01 20.14 19.62 19.99 21.27 20.19 20.70 19.62	250 270 300 41 63 1110 130 200 130 150 110 110 71 71 70				0.25 U 0.26 U	0.4 U 0.41 U	20 16 17 14 12 22 23 12 17 18 16 16 15 17 17 17 22 18
	26.81	12/29/2015 6/8/2016 12/29/2016 6/3/2009 9/9/2009 12/23/2009 3/18/2010 9/15/2010 9/15/2010 12/27/2010 9/15/2011 6/14/2011 12/9/2011 3/6/2012 6/26/2012 12/14/2012 6/21/2013 1/14/2014 6/26/2014 12/10/2014 6/11/2015 12/3/2015	10.12 7.08 5.76 6.93 6.74 6.51 5.80 6.67 7.19 6.82 5.54 6.62 6.11 7.19 5.81 6.72	16.69 19.73 21.05 19.88 20.07 20.30 21.01 20.14 19.62 19.99 21.27 20.19 20.70 19.62 21.00 20.09 20.41 20.08	250 270 300 41 63 110 130 180 200 130 150 110 110 110 71 76 70 100 74 80 92				0.25 U 0.26 U	0.4 U 0.41 U	20 16 17 14 12 22 23 12 17 18 16 16 15 17 17 17 17 17 19 20
	26.81	12/29/2015 6/8/2016 12/29/2016 12/29/2016 12/29/2019 9/9/2009 12/23/2009 9/9/2009 12/23/2009 12/27/2010 9/15/2010 12/27/2010 3/11/2011 6/14/2011 12/9/2011 12/9/2011 12/9/2011 12/14/2012 6/26/2012 12/14/2012 6/21/2013 1/14/2014 6/26/2014 12/10/2014 6/11/2015 12/30/2015	10.12 7.08 5.76 6.93 6.74 6.51 5.80 6.67 7.19 6.82 5.54 6.62 6.11 7.19 6.82 6.62 6.11 7.19 6.73	16.69 19.73 21.05 19.88 20.07 20.30 21.01 20.14 20.14 19.62 19.99 21.27 20.70 19.62 21.00 20.09 20.41 20.08	250 270 300 41 63 110 180 200 130 150 110 110 110 71 76 70 100 74 80 92 110 88				0.25 U 0.26 U	0.4 U 0.41 U	20 16 17 14 12 22 23 12 17 18 16 16 15 17 17 17 17 22 18 17 19 20 17
EW-1		12/29/2015 6/8/2016 12/29/2016 6/3/2009 9/9/2009 12/23/2009 3/18/2010 9/15/2010 9/15/2010 12/27/2010 9/15/2010 12/27/2010 12/27/2010 12/27/2010 3/6/2012 6/26/2012 12/14/2011 6/26/2012 12/14/2014 6/26/2014 12/10/2014 12/10/2014 12/10/2015 11/20/2016 6/20/2016 11/20/2016 11/20/2016	10.12 7.08 5.76 6.93 6.74 6.51 5.80 6.67 7.19 6.82 5.54 6.62 6.11 7.19 5.81 6.72	16.69 19.73 21.05 19.88 20.07 20.30 21.01 20.14 19.62 19.99 21.27 20.19 20.70 19.62 21.00 20.09 20.41 20.08	250 270 300 41 63 110 130 200 120 120 130 150 110 71 76 80 92 110 88 88				0.25 U 0.26 U	0.4 U 0.41 U	20 16 17 14 12 22 23 12 17 18 16 16 15 17 17 17 22 18 17 19 20 17 18 18 17
	26.81	12/29/2015 6/8/2016 12/29/2016 12/29/2016 12/29/2019 9/9/2009 12/23/2009 9/9/2009 12/23/2009 12/27/2010 3/18/2011 6/14/2011 12/9/2011 12/9/2011 12/9/2011 12/9/2011 12/9/2011 12/9/2011 12/9/2011 12/9/2011 12/9/2011 12/9/2011 12/9/2011 12/9/2011 12/9/2011 12/14/2012 6/26/2014 12/10/2014 6/11/2015 12/30/2015 12/30/2016 6/9/2016 12/29/2016	10.12 7.08 5.76 6.93 6.74 6.51 5.80 6.67 7.19 6.82 5.54 6.62 6.11 7.19 5.81 6.72 6.40 6.73 6.40 6.73	16.69 19.73 21.05 19.88 20.07 20.30 21.01 20.14 19.62 19.99 21.27 20.19 20.70 19.62 21.00 20.09 20.41 20.08 20.40 20.72 19.96	250 270 300 41 63 110 130 180 200 130 150 110 110 71 76 70 100 74 80 92 110 88				0.25 U 0.26 U	0.4 U 0.41 U	20 16 17 14 12 22 23 12 17 18 16 16 15 17 17 17 22 18 17 17 22 18 17 17 21 18 18 17 17 17 17 17 17 21 21 18 18 18 18 18 18 18 18 18 1
EW-1		12/29/2015 6/8/2016 12/29/2016 12/29/2016 12/29/2016 13/2009 19/9/2009 12/23/2009 3/18/2010 9/15/2010 12/27/2010 9/15/2010 12/27/2010 12/27/2010 12/27/2010 12/27/2010 12/27/2010 12/27/2010 12/27/2011 12/9/2011 12/9/2011 12/9/2011 12/9/2011 12/14/2012 6/21/2013 1/14/2014 6/21/2013 1/14/2014 6/21/2015 12/20/2016 6/3/2009 12/23/2009 12/23/2009	10.12 7.08 5.76 6.93 6.74 6.51 5.80 6.67 7.19 6.82 5.54 6.62 6.11 7.19 6.72 6.40 6.73 6.41 6.73 6.41 6.85	16.69 19.73 21.05 19.88 20.07 20.30 21.01 20.14 20.14 19.62 19.99 21.27 20.19 20.70 19.62 21.00 20.09 20.41 20.08 20.40 20.72 19.96	250 270 300 41 63 110 130 200 120 130 150 110 71 76 100 74 80 92 110 88 89 90 73 12 100 110 110 110 110 110 110				0.25 U 0.26 U	0.4 U 0.41 U	20 16 17 14 12 22 23 12 17 18 16 16 15 17 17 17 22 18 17 19 20 17 19 20 17 18 18 17 17 17 17 17 17 18 18 19 20 19 10 10 10 10 10 10 10 10 10 10
EW-1		12/29/2015 6/8/2016 12/29/2016 12/29/2016 12/29/2019 9/9/2009 12/23/2009 9/9/2009 12/23/2009 9/15/2010 3/18/2010 6/22/2010 9/15/2010 3/11/2011 6/14/2011 12/9/2011 12/9/2011 12/9/2011 12/9/2011 12/9/2011 12/9/2011 12/9/2011 12/9/2011 12/9/2011 12/9/2016 6/26/2014 12/10/2014 6/11/2015 12/30/2015 12/30/2016 6/9/2016 12/29/2016 6/9/2019 12/23/2009 9/9/2009 12/23/2009 13/18/2010	10.12 7.08 5.76 6.93 6.74 6.51 5.80 6.67 7.19 6.82 6.11 7.19 5.81 6.72 6.40 6.73 6.41 6.09 6.85	16.69 19.73 21.05 19.88 20.07 20.30 21.01 20.14 19.62 19.99 21.27 20.19 20.70 19.62 21.00 20.04 20.40 20.72 19.96	250 270 300 41 63 110 130 180 200 130 150 110 110 110 71 76 70 100 140 88 90 73 12 110 110 110 110 110 110 110				0.25 U 0.26 U	0.4 U 0.41 U	20 16 17 14 12 22 23 12 17 18 16 16 15 17 17 17 22 18 17 17 22 18 17 17 17 21 18 16 16 15 17 17 17 21 22 18 18 19 10 10 10 10 10 10 10 10 10 10
EW-1		12/29/2015 6/8/2016 12/29/2016 12/29/2016 12/29/2016 12/29/2019 9/9/2009 12/23/2009 9/9/2009 12/23/2009 9/15/2010 3/11/2011 6/14/2011 12/9/2011 12/9/2011 12/9/2011 12/9/2011 12/9/2011 12/9/2011 12/14/2012 6/26/2012 12/14/2012 6/21/2013 1/14/2014 6/26/2014 12/10/2014 6/11/2015 12/30/2015 12/30/2015 12/30/2016 6/9/2016	10.12 7.08 5.76 6.93 6.74 6.51 5.80 6.67 7.19 6.82 5.54 6.62 6.11 7.19 6.40 6.72 6.40 6.73 6.41 6.09 6.88	16.69 19.73 21.05 19.88 20.07 20.30 21.01 20.14 20.14 19.62 19.99 21.27 20.19 20.70 19.62 21.00 20.09 20.41 20.08 20.40 20.72 19.96 19.79 15.96 19.34 20.79 19.54	250 270 300 300 41 63 110 180 200 130 150 110 110 110 110 71 76 70 100 74 80 90 110 88 90 120 110 110 110 110 110 110 11				0.25 U 0.26 U	0.4 U 0.41 U	20 16 17 14 12 22 23 12 17 18 16 16 16 15 17 17 17 22 18 17 17 22 18 17 17 22 18 17 17 22 18 17 17 17 22 18 18 19 10 11 11 11 12 13 14 15 16 16 16 16 17 17 17 17 17 17 17 17 17 17
EW-1		12/29/2015 6/8/2016 12/29/2016 12/29/2016 12/29/2019 9/9/2009 12/23/2009 12/23/2009 12/23/2009 13/18/2010 6/22/2010 3/11/2011 6/14/2011 12/9/2011	10.12 7.08 5.76 6.93 6.74 6.51 5.80 6.67 7.19 6.82 6.11 7.19 5.81 6.72 6.40 6.73 6.41 6.09 6.88	16.69 19.73 21.05 19.88 20.07 20.30 21.01 20.14 19.62 19.99 21.27 20.19 20.70 19.62 21.00 20.09 20.41 20.08 20.40 20.72 19.96	250 270 300 41 63 110 130 180 200 130 150 110 110 110 110 71 70 100 88 99 92 110 88 90 73 12 120 130 150 150 150 150 150 150 150 15				0.25 U 0.26 U	0.4 U 0.41 U	20 16 17 14 12 22 23 12 17 18 16 16 15 17 17 17 22 18 17 19 20 17 21 18 18 17 19 20 17 21 18 18 17 19 20 17 21 18 18 17 19 20 17 21 18 17 19 20 17 21 18 17 19 20 17 21 18 17 19 20 17 21 18 17 19 20 17 21 18 17 19 20 17 21 18 17 19 20 17 21 18 17 19 20 17 21 18 17 19 20 17 21 18 17 19 20 17 21 18 17 19 20 17 21 18 17 19 20 17 21 21 21 21 21 21 21 21 21 21 21 21 21
EW-1		12/29/2015 6/8/2016 12/29/2016 12/29/2016 12/29/2016 12/29/2019 9/9/2009 12/23/2009 9/9/2009 12/23/2009 9/15/2010 3/11/2011 6/14/2011 12/9/2011 12/9/2011 12/9/2011 12/9/2011 12/9/2011 12/9/2011 12/14/2012 6/26/2012 12/14/2012 6/21/2013 1/14/2014 6/26/2014 12/10/2014 6/11/2015 12/30/2015 12/30/2015 12/30/2016 6/9/2016	10.12 7.08 5.76 6.93 6.74 6.51 5.80 6.67 7.19 6.82 5.54 6.62 6.11 7.19 6.40 6.72 6.40 6.73 6.41 6.09 6.88	16.69 19.73 21.05 19.88 20.07 20.30 21.01 20.14 20.14 19.62 19.99 21.27 20.19 20.70 19.62 21.00 20.09 20.41 20.08 20.40 20.72 19.96 19.79 15.96 19.34 20.79 19.54	250 270 300 300 41 63 110 180 200 130 150 110 110 110 110 71 76 70 100 74 80 90 110 88 90 120 110 110 110 110 110 110 11				0.25 U 0.26 U	0.4 U 0.41 U	20 16 17 14 12 22 23 12 17 18 16 16 16 15 17 17 17 22 18 17 17 22 18 17 17 22 18 17 17 22 18 17 17 17 22 18 18 19 10 11 11 11 12 13 14 15 16 16 16 16 17 17 17 17 17 17 17 17 17 17
EW-1		12/29/2015 6/8/2016 12/29/2016 12/29/2016 12/29/2016 12/29/2019 9/9/2009 12/23/2009 9/9/2009 12/23/2009 3/18/2010 6/22/2010 3/11/2011 6/14/2011 12/9/2011 12/9/2011 12/9/2011 12/9/2011 12/9/2011 12/9/2011 12/9/2011 12/9/2016 6/26/2012 12/14/2014 6/26/2014 12/10/2014 6/12/2016 6/9/2016 12/29/2016 12/29/2016 12/29/2016 12/29/2016 12/29/2016 12/29/2016 12/29/2010 9/15/2010 9/15/2010 9/15/2010 12/17/2010 3/11/2011 6/14/2011	10.12 7.08 5.76 6.93 6.74 6.51 5.80 6.67 7.19 6.82 6.11 7.19 5.81 6.72 6.40 6.73 6.41 6.09 6.85	16.69 19.73 21.05 19.88 20.07 20.30 21.01 19.62 19.99 21.27 20.19 20.70 19.62 21.00 20.09 20.41 20.08 20.41 20.09 19.79 15.96 19.34 20.79 19.54 19.80 20.11 20.84	250 270 300 41 63 110 130 180 200 130 150 110 110 110 110 71 70 100 74 80 92 110 88 90 73 12 100 140 150 160 170 170 170 170 170 170 170 17				0.25 U 0.26 U	0.4 U 0.41 U	20 16 17 14 12 22 23 12 17 18 16 16 16 15 17 17 17 22 18 17 19 20 17 21 18 17 21 18 17 21 18 17 21 18 17 21 18 17 21 18 17 21 18 17 21 18 17 21 21 21 21 21 21 21 21 21 21 21 21 21
EW-1		12/29/2015 6/8/2016 12/29/2016 12/29/2016 12/29/2019 9/9/2009 12/23/2009 3/18/2010 6/22/2010 9/15/2010 12/27/2010 3/11/2011 6/14/2011 12/9/2011 12/9/2011 12/9/2011 12/9/2011 12/9/2011 12/9/2011 12/9/2011 12/9/2015 1/22/2016 6/3/2009 12/23/2009 12/23/2009 3/18/2010 9/15/2010 12/27/2010 9/15/2010 12/27/2010 9/15/2010 12/27/2010 9/15/2010 12/27/2010 9/15/2010 12/27/2010 9/15/2010 12/27/2010 12/27/2010 12/27/2010	10.12 7.08 5.76 6.93 6.74 6.51 5.80 6.67 7.19 6.82 5.54 6.62 6.11 7.19 5.81 6.72 6.40 6.73 6.41 6.09 6.85 10.71 7.33 6.88 10.71 7.33 6.87 6.88 7.13 6.87 6.56 5.83 6.79	16.69 19.73 21.05 19.88 20.07 20.30 21.01 20.14 19.62 19.99 20.70 20.09 20.09 20.41 20.08 20.41 20.08 20.40 20.72 19.96 19.34 19.80 20.79 19.54 19.80 20.11 20.84 19.88	250 270 300 300 41 63 110 130 180 200 120 130 150 110 71 76 80 92 110 88 90 73 12 100 140 88 90 130 140 150 110 110 110 110 110 110 11				0.25 U 0.26 U	0.4 U 0.41 U	20 16 17 14 12 22 23 12 17 18 16 16 15 17 17 17 22 18 18 17 17 22 18 18 17 19 20 17 21 18 17 21 18 17 21 18 17 22 19 39 13 20 17 5.2 17 8.2 22
EW-1		12/29/2015 6/8/2016 12/29/2016 12/29/2016 12/29/2016 12/29/2019 9/9/2009 12/23/2009 3/18/2010 6/22/2010 3/11/2011 6/14/2011 12/9/2011 12/9/2011 12/9/2011 12/9/2011 12/9/2011 12/9/2011 12/9/2011 12/9/2011 12/9/2011 12/9/2011 12/9/2016 6/26/2012 12/14/2012 6/26/2012 12/14/2014 6/26/2014 12/10/2014 6/12/2016 6/9/2016 12/29/2016 12/29/2016 12/29/2016 12/29/2016 12/29/2016 12/29/2016 13/29/2019 13/18/2010 9/15/2010 9/15/2010 9/15/2010 9/15/2010 9/15/2010 9/15/2010 9/15/2010 9/15/2010 9/15/2010 9/15/2010 9/15/2010 9/15/2010 9/15/2010 9/15/2010 9/15/2010 9/15/2010 9/15/2010 9/15/2010	10.12 7.08 5.76 6.93 6.74 6.51 5.80 6.67 7.19 6.82 6.61 7.19 5.81 6.72 6.40 6.73 6.41 6.09 6.85 6.88 10.71 7.13 5.88 7.13 6.88 7.13 6.87 6.56 5.83 6.79 7.30 6.89	16.69 19.73 21.05 19.88 20.07 20.30 21.01 19.62 19.99 21.27 20.19 20.70 19.62 21.00 20.09 20.41 20.08 20.41 20.08 20.41 20.19 20.72 19.96 19.34 20.72 19.96 19.34 20.79 19.54 19.80 20.11 20.84 19.80 20.11 20.84 19.88 19.37 19.78	250 270 300 300 41 63 110 130 180 200 120 130 150 110 110 110 71 76 70 100 74 80 92 110 110 88 99 120 130 150 150 150 150 150 150 150 15				0.25 U 0.26 U	0.4 U 0.41 U	20 16 17 14 12 22 23 12 17 18 16 16 16 15 17 17 22 18 17 17 22 18 17 19 20 17 21 18 17 21 18 17 21 18 17 21 18 17 21 18 17 21 21 21 21 21 21 21 21 21 21 21 21 21
EW-1		12/29/2015 6/8/2016 12/29/2016 6/3/2009 9/9/2009 12/23/2009 12/23/2009 12/23/2009 12/23/2009 12/23/2009 13/18/2010 6/22/2010 9/15/2010 3/11/2011 6/14/2011 12/9/2011 12/9/2011 12/9/2011 12/9/2011 12/9/2016 6/9/2016 12/23/2019 1/14/2012 6/26/2014 12/14/2012 12/14/2012 12/14/2012 12/14/2012 12/14/2012 12/14/2012 12/14/2012 12/14/2012 12/14/2012 12/14/2012 12/14/2012 12/14/2012 12/2016 12/29/2016 12/29/2016 12/29/2016 12/29/2010 12/27/2010 12/27/2010 12/27/2010 12/27/2010 12/27/2010 13/14/2011 12/9/2011 12/9/2011 13/6/2012 13/6/2012 12/29/2011	10.12 7.08 5.76 6.93 6.74 6.51 5.80 6.67 7.19 6.82 5.54 6.62 6.11 7.19 5.81 6.72 6.40 6.73 6.41 6.09 6.85 10.71 7.33 6.87 6.88 7.13 6.87 6.56 5.83 6.79 7.30 6.89 5.54 6.89	16.69 19.73 21.05 19.88 20.07 20.30 21.01 20.14 19.62 19.99 20.72 20.19 20.70 20.09 20.41 20.08 20.40 20.72 19.96 19.34 19.80 20.79 19.54 19.80 20.11 20.84 19.88 19.37 19.78 21.13 19.92	250 270 300 300 41 63 110 180 200 130 150 110 110 110 110 71 76 70 100 74 80 92 1110 88 89 90 12 100 110 110 110 110 110 110				0.25 U 0.26 U	0.4 U 0.41 U	20 16 17 14 12 22 23 12 17 18 16 16 16 16 15 17 17 17 22 18 17 19 20 17 21 18 18 20 17 4.2 19 39 39 13 20 17 5.2 17 8.2 22 11 10 10
EW-1		12/29/2015 6/8/2016 12/29/2016 6/8/2016 12/29/2016 6/3/2009 9/9/2009 12/23/2009 3/18/2010 6/22/2010 9/15/2010 3/11/2011 6/14/2011 12/9/2011 12/9/2011 12/9/2011 12/9/2011 12/9/2011 12/9/2011 12/9/2011 12/9/2011 12/9/2011 12/9/2011 12/9/2011 12/9/2011 12/9/2011 12/9/2011 12/9/2016 6/26/2012 12/14/2012 6/26/2012 12/14/2013 6/3/2009 9/9/2009 12/23/2009 13/14/2011 6/14/2011	10.12 7.08 5.76 6.93 6.74 6.51 5.80 6.67 7.19 6.82 6.11 7.19 5.81 6.72 6.40 6.73 6.41 6.09 6.85 6.88 10.71 7.33 6.88 7.13 6.87 6.56 5.83 6.87 6.56 5.83 6.79 7.30 6.89 5.54 6.75 6.75	16.69 19.73 21.05 19.88 20.07 20.30 21.01 19.62 19.99 21.27 20.19 20.70 19.62 21.00 20.09 20.41 20.08 20.41 20.08 20.40 20.72 19.96 19.79 15.96 19.79 15.96 20.41 20.88 20.40 20.72 19.98 20.11 20.88 20.40 20.72 19.96	250 270 300 300 41 63 110 130 180 200 120 130 150 160 71 110 110 71 76 70 100 74 80 92 110 110 88 90 73 120 120 120 120 130 150 150 160 170 170 170 170 170 170 170 17				0.25 U 0.26 U	0.4 U 0.41 U	20 16 17 17 14 12 22 23 12 17 18 16 16 15 17 17 17 22 18 18 17 17 21 18 17 21 18 17 21 18 17 4.2 19 39 13 20 17 5.2 17 8.2 22 11 10 17 18
EW-1		12/29/2015 6/8/2016 12/29/2016 6/8/2016 12/29/2016 6/3/2009 9/9/2009 12/23/2009 12/23/2009 13/18/2010 6/22/2010 9/15/2010 3/11/2011 6/14/2011 12/9/2011 12/9/2011 12/9/2011 12/9/2011 12/14/2012 6/21/2013 1/14/2014 6/21/2013 1/14/2014 6/21/2013 1/14/2014 6/21/2013 1/14/2014 6/21/2013 1/14/2014 6/21/2013 1/14/2014 6/21/2013 1/14/2014 6/21/2013 1/14/2014 6/21/2013 1/14/2014 6/21/2016 6/9/2016 1/2/2/2016 6/9/2016 1/2/2/2010 1/2/2/2010 1/2/2/2010 1/2/2/2010 1/2/2/2010 1/2/2/2010 1/2/2/2010 1/2/2/2010 1/2/2/2010 1/2/2/2010 1/2/2/2010 1/2/2/2010 1/2/2/2010 1/2/2/2010 1/2/2/2010 1/2/2/2010 1/2/2/2010 1/2/2/2010 1/2/2/2011 1/4/2011 1/2/9/2011 1/2/2/2011 1/2/2/2011 1/2/2/2011 1/2/2/2011 1/2/2/2011 1/2/2/2011 1/2/2/2011	10.12 7.08 5.76 6.93 6.74 6.51 5.80 6.67 7.19 6.82 5.54 6.62 6.11 7.19 5.81 6.72 6.40 6.73 6.41 6.09 6.85 10.71 7.33 6.87 7.13 6.87 6.56 5.83 6.79 7.30 6.89 5.54 6.75 6.21 7.32	16.69 19.73 21.05 19.88 20.07 20.30 21.01 20.14 20.14 19.62 19.99 20.70 20.70 20.09 20.09 20.09 19.62 21.00 20.09 19.62 21.00 20.09 20.09 19.79 15.96 19.34 19.80 20.41 20.72 19.96	250 270 300 41 63 110 180 200 130 150 110 110 110 110 171 76 70 100 74 80 90 110 88 88 90 120 130 150 150 160 170 180 180 180 180 180 180 180 18				0.25 U 0.26 U	0.4 U 0.41 U	20 16 17 14 12 22 23 12 17 18 16 16 16 15 17 17 17 22 18 17 19 20 17 21 18 18 17 42 12 19 39 13 20 17 5.2 17 8.2 22 11 10 10 17 18 8.1 17
EW-1		12/29/2015 6/8/2016 12/29/2016 6/8/2016 12/29/2016 6/3/2009 9/9/2009 12/23/2009 3/18/2010 6/22/2010 9/15/2010 3/11/2011 6/14/2011 12/9/2011 12/9/2011 12/9/2011 12/9/2011 12/9/2011 12/9/2011 12/9/2011 12/9/2011 12/9/2011 12/9/2011 12/9/2011 12/9/2011 12/9/2011 12/9/2011 12/9/2016 6/26/2012 12/14/2012 6/26/2012 12/14/2013 6/3/2009 9/9/2009 12/23/2009 13/14/2011 6/14/2011	10.12 7.08 5.76 6.93 6.74 6.51 5.80 6.67 7.19 6.82 5.54 6.62 6.11 7.19 5.81 6.72 6.40 6.73 6.41 6.09 6.85 6.88 10.71 7.33 6.88 7.13 6.87 6.56 5.83 6.79 7.30 6.89 5.54 6.75 6.21 7.32 5.88 6.83 6.51	16.69 19.73 21.05 19.88 20.07 20.30 21.01 19.62 19.99 21.27 20.19 20.70 19.62 21.00 20.09 20.41 20.08 20.41 20.08 20.40 20.72 19.96 19.79 15.96 19.79 15.96 20.41 20.88 20.40 20.72 19.98 20.11 20.88 20.40 20.72 19.96	250 270 300 300 41 63 110 130 180 200 120 130 150 160 71 100 71 76 70 100 74 80 92 110 110 88 99 73 120 150 150 150 160 170 170 170 170 170 170 170 17				0.25 U 0.26 U	0.4 U 0.41 U	20 16 17 14 12 22 23 12 17 18 16 16 16 15 17 17 17 22 18 18 17 19 20 17 21 18 17 21 18 17 19 20 17 21 18 17 19 20 17 21 18 17 4.2 21 21 19 39 13 20 17 5.2 17 8.2 22 11 10 17 18 18 17 25 21
EW-1		12/29/2015 6/8/2016 12/29/2016 12/29/2016 12/29/2019 9/9/2009 12/23/2009 9/9/2009 12/23/2009 12/23/2009 13/18/2010 6/22/2010 9/15/2010 3/11/2011 12/9/2011 12/9/2011 12/9/2011 12/9/2011 12/9/2011 12/9/2016 6/26/2012 12/14/2012 6/26/2014 12/12/2016 6/9/2016 12/29/2016 12/29/2016 12/29/2016 12/29/2016 12/29/2016 12/29/2016 12/29/2016 12/29/2016 12/29/2016 12/29/2016 12/29/2016 12/29/2016 12/29/2016 12/29/2011 12/9/2011 12/9/2011 12/9/2011 12/9/2011 12/9/2011 12/9/2011 12/9/2011 12/9/2011 12/9/2011 12/9/2011 12/9/2011	10.12 7.08 5.76 6.93 6.74 6.51 5.80 6.67 7.19 6.82 6.11 7.19 5.81 6.72 6.40 6.73 6.41 6.09 6.85 6.88 10.71 7.33 5.88 7.13 6.87 6.56 5.83 6.79 7.30 6.89 5.54 6.73 5.88 6.79 7.30 6.89 5.54 6.75 6.21 7.32 5.88	16.69 19.73 21.05 19.88 20.07 20.30 21.01 20.14 19.62 19.99 21.27 20.19 20.70 19.62 21.00 20.09 20.41 20.08 20.41 20.08 20.40 20.72 19.96 19.34 20.79 19.54 19.80 20.11 20.84 19.88 19.37 19.78 21.13 19.92 20.46 19.35 20.79 19.84	250 270 300 41 63 110 130 180 200 130 150 110 110 110 71 76 70 100 100 88 89 90 73 12 100 140 150 150 160 170 170 170 170 170 170 170 17				0.25 U 0.26 U	0.4 U 0.41 U	20 16 17 14 12 22 23 12 17 18 16 16 16 15 17 17 17 22 18 17 19 20 17 21 18 18 17 19 20 17 21 18 18 17 19 20 17 21 18 18 17 19 20 17 21 18 18 17 4.2 22 22 22 21 17 8.2 22 21 17 8.2 22 21 17 8.2 22 21 17 8.2 22 21 17 8.2 22 21 17 8.2 22 21 17 8.2 22 21 17 8.2 22 21 17 8.2 22 21 18 18 17 25

	Τ .						Concentra	tion in µg/L			Concentration in mg/L
L	TOC		Depth to Water	Groundwater							
Well	Elevation	Date Cleanup Lei	in Feet	Elevation in Feet tandard (See Note 2)	Arsenic 20	Zinc 32	Lead 0.54	Copper 3.5	TPH-D 0.5	TPH-O 0.5	Iron 75
Extraction Wells (Continued)		Cleanup Let	rein enormance 3	tandard (See Note 2)	20	- OZ	0.04	0.0	0.0	0.0	70
		12/29/2016	6.97	19.70	160						20
EW-3	26.77	6/3/2009 9/9/2009	7.67	19.10	51 150				0.27 U 0.25 U	0.42 U 0.4 U	24 26
		12/23/2009	7.11	19.66	130				0.26 U	0.41 U	21
		3/18/2010	8.14	18.63	1900				0.26 U	0.41 U	91 (4)
		6/22/2010 9/15/2010	6.67 7.92	20.10 18.85	97 7.7						19 16
		12/27/2010	7.56	19.21	130						17
		3/11/2011 6/14/2011	7.25 6.57	19.52 20.20	23 140						4.7 20
		9/29/2011	7.60	19.17	27						9.6
		12/9/2011 3/7/2012	8.00 7.65	18.77 19.12	180 190						25 25
		6/26/2012	6.18	20.59	130						19
	<u> </u>	12/14/2012 6/20/2013	7.44 6.90	19.33 19.87	200						25 21
		1/14/2014	7.96	18.81	180						19
		6/26/2014	6.63	20.14	160						20
		12/9/2014 6/11/2015	7.52 7.21	19.25 19.56	250 210						22 18
		12/30/2015	7.53	19.24	260						22
		1/22/2016 6/8/2016	7.14 6.88	19.63 19.89	200						20
		12/29/2016	7.62	19.15	240						20
EW-4	27.65	9/9/2009	8.38	19.27	14						0.056 U
	1	12/23/2009 3/18/2010	8.37 7.88	19.28 19.77	10 11		 				0.056 U 0.056 U
		6/22/2010	6.67	20.98	13						0.056 U
	 	9/15/2010 12/27/2010	8.34 7.34	19.31 20.31	76 26						0.056 U 0.056 U
		3/11/2011			27						0.056 U
	 	6/14/2011 9/29/2011	6.48 7.64	21.17 20.01	12 25		-				0.056 U 0.38
		12/9/2011	7.89	19.76	12						0.22
	<u> </u>	3/7/2012 6/26/2012	7.39 5.95	20.26 21.70	5.7 6.8						0.056 U 0.056 U
		12/14/2012	6.94	20.71	3.4						0.12
		6/20/2013	6.81	20.84	11						0.86 7
		1/14/2014 6/26/2014	7.77 6.52	19.88 21.13	61 12						1.7
		12/9/2014	7.32	20.33	160						88
		6/11/2015 12/30/2015	7.19 6.12	20.46 21.53	13 35						2.4 43
		1/22/2016	6.56	21.09							
		6/8/2016 12/29/2016	6.67 7.24	20.98 20.41	14 23						3 4.4
EW-5	28.34	6/3/2009			61						1.3
	<u> </u>	9/9/2009 12/23/2009	8.05 8.98	20.29 19.36	39 44						1.9 1.6
		3/18/2010	8.36	19.98	84						73
		6/22/2010	7.28 9.24	21.06	62						0.61
		9/15/2010 12/27/2010	7.86	19.10 20.48	29 55						2.3 0.58
		3/11/2011	7.74	20.60	70						1.3
		6/14/2011 9/29/2011	6.99 8.34	21.35	260						85
		9/29/2011 12/9/2011	8.34 8.28	21.35 20.00 20.06	260 1400 520						85 140 29
		9/29/2011 12/9/2011 3/6/2012	8.34 8.28 7.79	21.35 20.00 20.06 20.55	260 1400 520 250						85 140 29 8.5
		9/29/2011 12/9/2011 3/6/2012 6/26/2012 12/14/2012	8.34 8.28 7.79 6.50 7.14	21.35 20.00 20.06 20.55 21.84 21.20	260 1400 520 250 220 220						85 140 29 8.5 6.2 6.8
		9/29/2011 12/9/2011 3/6/2012 6/26/2012 12/14/2012 6/21/2013	8.34 8.28 7.79 6.50 7.14 7.34	21.35 20.00 20.06 20.55 21.84 21.20 21.00	260 1400 520 250 220 220 160						85 140 29 8.5 6.2 6.8 4.5
		9/29/2011 12/9/2011 3/6/2012 6/26/2012 12/14/2012 6/21/2013 1/14/2014	8.34 8.28 7.79 6.50 7.14	21.35 20.00 20.06 20.55 21.84 21.20	260 1400 520 250 220 220						85 140 29 8.5 6.2 6.8
		9/29/2011 12/9/2011 3/6/2012 6/26/2012 12/14/2012 6/21/2013 1/14/2014 6/26/2014 12/9/2014	8.34 8.28 7.79 6.50 7.14 7.34 8.01 7.02 7.53	21.35 20.00 20.06 20.55 21.84 21.20 21.00 20.33 21.32 20.81	260 1400 520 250 220 220 160 97 140						85 140 29 8.5 6.2 6.8 4.5 4.1 4.9 5.7
		9/29/2011 12/9/2011 3/6/2012 6/26/2012 12/14/2012 6/21/2013 1/14/2014 6/26/2014	8.34 8.28 7.79 6.50 7.14 7.34 8.01 7.02	21.35 20.00 20.06 20.55 21.84 21.20 21.00 20.33 21.32 20.81 20.65 21.39	260 1400 520 250 220 220 160 97 140						85 140 29 8.5 6.2 6.8 4.5 4.1
		9/29/2011 12/9/2011 3/6/2012 6/26/2012 12/14/2013 6/21/2013 1/14/2014 6/26/2014 12/9/2014 6/11/2015 1/2/30/2015	8.34 8.28 7.79 6.50 7.14 7.34 8.01 7.02 7.53 7.69 6.95 6.42	21.35 20.00 20.06 20.55 21.84 21.20 21.00 20.33 21.32 20.81 20.65 21.39 21.92	260 1400 520 250 220 220 160 97 140 130 160						85 140 29 8.5 6.2 6.8 4.5 4.1 4.9 5.7 6.1 5.5
		9/29/2011 12/9/2011 3/6/2012 6/26/2012 12/14/2013 1/14/2014 6/26/2014 6/11/2015 12/30/2015	8.34 8.28 7.79 6.50 7.14 7.34 8.01 7.02 7.53 7.69 6.95	21.35 20.00 20.06 20.55 21.84 21.20 21.00 20.33 21.32 20.81 20.65 21.39	260 1400 520 250 220 220 160 97 140 130						85 140 29 8.5 6.2 6.8 4.5 4.1 4.9 5.7 6.1
EW-6	28.61	9/29/2011 12/9/2011 3/6/2012 6/26/2012 12/14/2012 6/21/2013 1/14/2014 6/26/2014 12/9/2014 6/11/2015 1/20/2016 6/9/2016 6/9/2016 6/3/2009	8.34 8.28 7.79 6.50 7.14 7.34 8.01 7.02 7.53 7.69 6.95 6.42 6.89 7.35	21.35 20.00 20.06 20.55 21.84 21.20 21.00 20.33 21.32 20.81 20.65 21.39 21.92 21.45 20.99	260 1400 520 250 220 220 220 160 97 140 130 160 160						85 140 29 8.5 6.2 6.8 4.5 4.1 4.9 5.7 6.1 5.5
EW-6	28.61	9/29/2011 12/9/2011 3/6/2012 6/26/2012 12/14/2012 6/21/2013 1/14/2014 6/26/2014 12/9/2014 6/11/2015 12/202015 1/22/2016	8.34 8.28 7.79 6.50 7.14 7.02 7.53 7.69 6.95 6.95 6.89 7.35	21.35 20.00 20.06 20.55 21.84 21.20 21.00 20.33 21.32 20.81 20.65 21.39 21.92 21.45 20.99	260 1400 520 250 220 260 97 140 130 160 160 85 81 140 360						85 140 29 8.5 6.2 6.8 4.5 4.1 4.9 5.7 6.1 5.5
EW-6	28.61	9/29/2011 12/9/2011 3/6/2012 6/26/2012 12/14/2012 6/21/2013 1/14/2014 6/21/2014 6/11/2015 12/30/2015 12/30/2015 12/20/2016 6/9/2016 6/9/2016 6/3/2009 9/9/2009 3/18/2010	8.34 8.28 7.79 6.50 7.14 7.34 8.01 7.02 7.53 7.69 6.95 6.42 6.89 7.35	21.35 20.00 20.06 20.55 21.84 21.20 21.00 20.33 21.32 20.81 20.65 21.39 21.92 21.45 20.99	260 1400 520 250 250 220 160 97 140 130 160 160 85 81 140 360 230						85 140 29 8.5 6.2 6.8 4.5 4.1 4.9 5.7 6.1 5.5
EW-6	28.61	9/29/2011 12/9/2011 3/6/2012 6/26/2012 12/14/2013 1/14/2013 1/14/2014 6/26/2014 6/11/2015 12/30/2015 12/30/2015 6/9/2016 12/29/2016 6/9/2019 9/9/2009 12/23/2009 3/18/2010 6/22/2010 6/22/2010	8.34 8.28 7.79 6.50 7.14 7.02 7.53 7.69 6.95 6.95 6.89 7.35	21.35 20.00 20.06 20.55 21.84 21.20 21.00 20.33 21.32 20.81 20.65 21.39 21.92 21.45 20.99	260 1400 520 250 250 250 220 160 97 140 130 160 85 81 140 230 1900						85 140 29 8.5 6.2 6.8 4.5 4.1 4.9 5.7 6.1 5.5
EW-6	28.61	9/29/2011 12/9/2011 3/6/2012 6/26/2012 12/14/2012 6/21/2013 1/14/2014 6/26/2014 6/11/2015 12/30/2015 12/30/2015 12/30/2016 6/9/2016 6/9/2016 6/9/2016 6/9/2009 9/9/2009 9/9/2009 3/18/2010 6/22/2010 6/22/2010 6/22/2010 12/27/2010	8.34 8.28 7.79 6.50 7.14 7.34 8.01 7.02 7.53 7.69 6.95 6.42 6.89 7.35 11.15 9.25 8.62 7.97 11.31	21.35 20.00 20.06 20.55 21.84 21.20 21.00 20.33 21.32 20.81 20.65 21.39 21.45 20.99 17.46 19.36 19.99 20.64 17.30 20.49	260 1400 520 250 250 220 220 160 97 140 130 160 160 85 81 140 360 230 1900 1900 170						85 140 29 8.5 6.2 6.8 4.5 4.1 4.9 5.7 6.1 5.5 4 4.1 2.7 7.8 2.7 52 36 4.5 2.6
EW-6	28.61	9/29/2011 3/6/2012 6/26/2012 6/26/2012 12/14/2013 1/14/2014 6/26/2014 12/9/2014 6/1/2015 1/22/2016 6/9/2016 12/29/2016 6/3/2009 12/23/2009 3/18/2010 9/15/2010 9/15/2010 9/15/2010 9/15/2010 9/15/2010 9/15/2010 9/15/2010 9/15/2010 9/15/2010 9/15/2010 9/15/2010	8.34 8.28 7.79 6.50 7.14 7.34 8.01 7.02 7.53 7.69 6.95 6.42 6.89 7.35 11.15 9.25 8.62 7.97 11.31 8.12	21.35 20.00 20.06 20.55 21.84 21.20 21.00 20.33 21.32 20.81 20.65 21.39 21.92 21.45 20.99 17.46 19.36 19.39 20.64 17.30 20.64 17.30 20.64 20.64 20.65	260 1400 520 250 250 250 220 160 97 140 130 160 85 81 140 230 1900 180 180 170 64						85 140 29 8.5 6.2 6.8 4.5 4.1 4.9 5.7 6.1 5.5 4 4.1 2.7 7.8 2.7 52 36 4.5 2.6 1.5
EW-6	28.61	9/29/2011 12/9/2011 3/6/2012 6/26/2012 12/14/2012 6/21/2013 1/14/2014 6/26/2014 6/11/2015 12/30/2015 12/30/2015 12/30/2016 6/9/2016 6/9/2016 6/9/2016 6/9/2009 9/9/2009 9/9/2009 3/18/2010 6/22/2010 6/22/2010 6/22/2010 12/27/2010	8.34 8.28 7.79 6.50 7.14 7.34 8.01 7.02 7.53 7.69 6.95 6.42 6.89 7.35 11.15 9.25 8.62 7.97 11.31	21.35 20.00 20.06 20.55 21.84 21.20 21.00 20.33 21.32 20.81 20.65 21.39 21.45 20.99 17.46 19.36 19.99 20.64 17.30 20.49	260 1400 520 250 250 220 220 160 97 140 130 160 160 85 81 140 360 230 1900 1900 170						85 140 29 8.5 6.2 6.8 4.5 4.1 4.9 5.7 6.1 5.5 4 4.1 2.7 7.8 2.7 52 36 4.5 2.6
EW-6	28.61	9/29/2011 12/9/2011 3/6/2012 6/26/2012 6/26/2012 12/14/2013 1/14/2014 6/26/2014 12/9/2014 6/11/2015 12/30/2015 1/22/2016 6/9/2016 12/29/2016 6/3/2009 12/23/2009 3/18/2010 9/12/2010 9/12/2010 9/12/2010 9/12/2010 9/12/2010 9/12/2010 9/12/2010 9/12/2010 9/12/2010 9/12/2010 9/12/2010 9/12/2010 9/12/2010 9/12/2010	8.34 6.28 7.79 6.50 7.14 7.34 8.01 7.02 7.53 7.69 6.95 6.42 6.89 7.35 11.15 9.25 8.62 7.97 11.31 8.12 8.06 7.23 8.56 8.50	21.35 20.00 20.06 20.55 21.84 21.20 21.00 20.33 21.32 20.81 20.65 21.39 21.92 21.45 20.99 17.46 19.36 19.99 20.64 17.30 20.49 20.55 21.38 20.55 21.38 20.55 21.38	260 14400 520 250 250 250 250 160 97 140 130 160 85 81 140 230 1900 180 170 64 390 500						85 140 29 8.5 6.2 6.8 4.5 4.1 4.9 5.7 6.1 5.5 4 4.1 2.7 7.8 2.7 52 36 4.5 2.6 1.5 10
EW-6	28.61	9/29/2011 12/9/2011 3/6/2012 6/26/2012 12/14/2012 6/26/2014 12/9/2014 6/14/2015 6/2014 12/9/2016 6/9/2016 12/29/2016 6/9/2016 6/9/2016 6/3/2009 9/9/2009 3/18/2010 6/22/2010 6/22/2010 6/22/2010 6/22/2010 6/22/2010 6/22/2010 12/22/2010	8.34 8.28 7.79 6.50 7.14 7.34 8.01 7.02 7.53 7.69 6.95 6.42 6.89 7.35 11.15 9.25 8.62 7.97 11.31 8.12 8.06 7.23	21.35 20.00 20.06 20.55 21.84 21.20 21.00 20.33 21.32 20.81 20.65 21.39 21.92 21.45 20.99 17.46 19.36 19.99 20.64 17.30 20.49 20.55 21.38 20.05 21.38 20.05	260 1400 520 250 250 250 220 160 97 140 130 160 85 81 10 360 230 1900 190 140 390 500						85 140 29 8.5 6.2 6.8 4.5 4.1 4.9 5.7 6.1 5.5 4 4.1 2.7 7.8 2.7 7.8 2.7 52 36 4.5 4.5 10
EW-6	28.61	9/29/2011 12/9/2011 3/6/2012 6/26/2012 6/26/2012 12/14/2013 11/14/2014 6/26/2014 12/9/2014 6/11/2015 12/30/2015 12/30/2016 6/9/2016 12/29/2016 6/3/2009 9/9/2009 12/23/2009 3/18/2010 9/15/2010 9/15/2010 12/27/2010 9/15/2010 12/27/2010 9/15/2010 12/27/2010 9/15/2010 12/27/2010 9/15/2010 12/27/2010 9/15/2010 12/27/2010 9/15/2010 12/27/2010 9/15/2010 12/27/2010 9/15/2010 12/27/2010 12/27/2010 9/15/2011 12/29/2011 12/29/2011 3/6/2012	8.34 6.28 7.79 6.50 7.14 7.34 8.01 7.02 7.53 7.69 6.95 6.42 6.89 7.35 11.15 9.25 8.62 7.97 11.31 8.12 8.06 7.23 8.56 8.50 8.02 6.74 7.37	21.35 20.00 20.06 20.55 21.84 21.20 21.00 20.33 21.32 20.81 20.65 21.39 21.92 21.45 20.99 17.46 19.36 19.99 20.64 17.30 20.49 20.55 21.38 20.05 21.38 20.05 21.38 20.11 20.59	260 1400 520 250 250 250 250 160 97 140 130 160 160 85 81 140 230 1900 180 170 64 390 500 190 200 171						85 140 29 8.5 6.2 6.8 4.5 4.1 4.9 5.7 6.1 5.5 4 4.1 2.7 7.8 2.7 52 36 4.5 2.6 1.5 15 10 4.9 6.4 8.1
EW-6	28.61	9/29/2011 12/9/2011 12/9/2011 12/9/2011 3/6/2012 6/26/2012 12/14/2012 6/26/2014 12/9/2014 6/1/2015 1/1/2015 1/2/2016 6/9/2016 12/29/2016 6/3/2009 9/9/2009 3/18/2010 6/22/2010 12/27/2010 3/11/2011 6/14/2011 9/29/2011 12/9/2011 12/9/2011 12/9/2011 12/9/2011 12/9/2011 12/9/2011 12/9/2011	8.34 8.28 7.79 6.50 7.14 7.34 8.01 7.02 7.53 7.69 6.95 6.42 6.89 7.35 11.15 9.25 8.62 7.97 11.31 8.12 8.06 7.23 8.56 8.50 8.50 8.50 8.60 8.70	21.35 20.00 20.06 20.55 21.84 21.20 21.00 20.33 21.32 20.81 20.65 21.39 21.45 20.99 17.46 19.36 19.36 19.99 20.64 17.30 20.49 20.55 21.38 20.05 21.38 20.05 21.138 20.05 21.138 20.05 21.138 20.05 21.145 20.99	260 1400 520 250 250 220 220 160 97 140 130 160 85 81 140 360 230 190 170 64 390 500 170 170 110						85 140 29 8.5 6.2 6.8 4.5 4.1 4.9 5.7 6.1 5.5 4 4.1 2.7 7.8 2.7 7.8 2.7 152 36 4.5 4.5 4.6 4.6 4.1 4.9 6.8
EW-6	28.61	9/29/2011 12/9/2011 12/9/2011 12/9/2011 3/6/2012 6/26/2012 12/14/2012 6/21/2013 1/14/2014 6/26/2014 12/9/2014 6/11/2015 12/20/2016 6/9/2016 12/29/2016 6/9/2016 12/29/2016 6/9/2016 12/29/2016 6/9/2016 12/29/2010 9/15/2010 12/27/2010 9/15/2010 12/27/2010 9/15/2010 12/27/2010	8.34 6.28 7.79 6.50 7.14 7.34 8.01 7.02 7.53 7.69 6.95 6.42 6.89 7.35 11.15 9.25 8.62 7.97 11.31 8.12 8.06 7.23 8.56 8.50 8.02 6.74 7.37 7.56 8.24 7.75 8.24 7.75 8.28	21.35 20.00 20.06 20.55 21.84 21.20 21.00 20.33 21.32 20.81 20.65 21.39 21.92 21.45 20.99 17.46 19.36 19.36 19.99 20.64 17.30 20.49 20.55 21.38 20.05 20.11 20.59 21.38 20.05 20.11	260 1400 520 250 250 250 250 160 97 140 130 160 85 81 140 230 1900 180 170 64 390 500 170 110 140 81 140 81						85 140 29 8.5 6.2 6.8 4.5 4.1 4.9 5.7 6.1 5.5 4 4.1 2.7 7.8 2.7 52 36 4.5 2.6 1.5 10 4.9 6.4 8.1 4.9 6.8 4.3 7.6
EW-6	28.61	9/29/2011 12/9/2011 12/9/2011 12/9/2011 3/6/2012 6/26/2012 12/14/2012 6/26/2014 12/9/2014 6/26/2014 12/9/2014 6/11/2015 1/22/2016 6/9/2016 12/29/2016 6/3/2009 9/9/2009 3/18/2010 6/22/2010 12/27/2010 3/11/2011 6/14/2011 9/29/2011 12/9/2011 12/9/2011 12/9/2011 12/9/2011 12/9/2011 12/9/2011 12/9/2011 12/9/2011 12/9/2011 12/9/2011 12/9/2011 12/9/2011 12/9/2011 12/9/2011	8.34 8.28 7.79 6.50 7.14 7.34 8.01 7.02 7.53 7.69 6.95 6.42 6.89 7.35 11.15 9.25 8.62 7.97 11.31 8.12 8.06 7.23 8.56 8.50 8.50 8.50 8.50 8.60 7.70 8.70	21.35 20.00 20.06 20.55 21.84 21.20 21.00 20.33 21.32 20.81 20.65 21.39 21.45 20.99 17.46 19.36 19.99 20.64 17.30 20.49 20.55 21.38 20.05 21.38 20.05 21.38 20.05 21.39 21.39 20.49 20.55 21.38 20.05 20.11 20.59 21.87 21.24 21.05 20.37 21.36 20.80	260 1400 520 250 250 250 220 160 97 140 130 160 85 81 140 360 230 190 190 170 64 390 170 110 500 170 110 81 120 81						85 140 29 8.5 6.2 6.8 4.5 4.1 4.9 5.7 6.1 5.5 4 4.1 2.7 7.8 2.7 7.8 2.7 52 36 4.5 4.5 4.6 1.5 10 4.9 6.4 8.1 4.9 6.8
EW-6	28.61	9/29/2011 12/9/2011 12/9/2011 12/9/2011 3/6/2012 6/26/2012 12/14/2012 6/21/2013 1/14/2014 6/26/2014 12/9/2014 6/11/2015 12/20/2016 6/9/2016 12/29/2016 6/9/2016 12/29/2016 6/9/2016 12/29/2016 6/9/2016 12/29/2010 9/15/2010 12/27/2010 9/15/2010 12/27/2010 9/15/2010 12/27/2010	8.34 6.28 7.79 6.50 7.14 7.34 8.01 7.02 7.53 7.69 6.95 6.42 6.89 7.35 11.15 9.25 8.62 7.97 11.31 8.12 8.06 7.23 8.56 8.50 8.02 6.74 7.37 7.56 8.24 7.75 8.24 7.75 8.28	21.35 20.00 20.06 20.55 21.84 21.20 21.00 20.33 21.32 20.81 20.65 21.39 21.92 21.45 20.99 17.46 19.36 19.36 19.99 20.64 17.30 20.49 20.55 21.38 20.05 20.11 20.59 21.38 20.05 20.11	260 1400 520 250 250 250 250 160 97 140 130 160 85 81 140 230 1900 180 170 64 390 500 170 110 140 81 140 81						85 140 29 8.5 6.2 6.8 4.5 4.1 4.9 5.7 6.1 5.5 4 4.1 2.7 7.8 2.7 52 36 4.5 2.6 1.5 10 4.9 6.4 8.1 4.9 6.8 4.3 7.6
EW-6	28.61	9/29/2011 12/9/2011 12/9/2011 12/9/2011 3/6/2012 6/26/2012 12/14/2012 6/21/2013 1/14/2014 6/26/2014 12/9/2014 6/11/2015 1/22/2016 6/9/2016 12/29/2016 6/3/2009 9/9/2009 3/18/2010 6/22/2010 12/27/2010 3/11/2011 6/14/2011 9/29/2011 12/9/2011 12/9/2011 12/9/2011 12/9/2011 12/9/2011 12/9/2011 12/9/2011 12/9/2011 12/9/2011 12/9/2011 12/9/2011 12/9/2011 12/9/2011 12/9/2011 12/9/2011 12/9/2011 12/9/2011 12/9/2011 12/9/2014 6/14/2012 6/26/2014	8.34 8.28 7.79 6.50 7.14 7.34 8.01 7.02 7.53 7.69 6.95 6.42 6.89 7.35 11.15 9.25 8.62 7.97 11.31 8.12 8.06 7.23 8.56 8.50 8.50 8.50 8.50 8.50 8.70	21.35 20.00 20.06 20.55 21.84 21.20 21.00 20.33 21.32 20.81 20.65 21.39 21.92 21.45 20.99 17.46 19.36 19.99 20.64 17.30 20.49 20.55 21.38 20.05 21.38 20.05 21.38 20.05 21.19 21.24 21.25 20.99	260 1400 520 250 250 250 250 260 27 140 130 160 160 85 81 140 360 360 1900 190 190 170 64 390 200 170 110 81 120 150 150 150 150 150						85 140 29 8.5 6.2 6.8 4.5 4.1 4.9 5.7 6.1 5.5 4 4.1 2.7 7.8 2.7 7.8 2.7 52 36 4.5 4.5 4.6 1.5 10 4.9 6.4 8.1 4.9 6.8 4.3 7.6 8.8
EW-6	28.61	9/29/2011 12/9/2011 12/9/2011 12/9/2011 3/6/2012 6/26/2012 6/26/2012 6/26/2014 12/9/2014 6/11/2015 11/4/2014 6/11/2015 12/30/2016 6/9/2016 12/29/2016 6/3/2009 9/9/2009 3/18/2010 6/22/2010 9/15/2010 12/27/2010 6/22/2010 9/15/2010 12/27/2010	8.34 6.28 7.79 6.50 7.14 7.34 8.01 7.02 7.53 7.69 6.95 6.42 6.89 7.35 11.15 9.25 8.62 7.97 11.31 8.12 8.06 7.23 8.56 8.50 8.50 8.50 8.73 7.56 8.62 7.73 7.75 8.62 7.73 7.75 8.62 7.73 7.75 8.62 7.73 7.75 8.62 7.73 7.75 8.62 7.73 7.75 8.62 7.73 7.75 8.62 7.73 7.75 8.62 7.73 7.75 8.62 7.73 7.75 8.62 7.73 7.75 8.62 7.73 7.75 8.62 7.73 7.75 8.75	21.35 20.00 20.06 20.55 21.84 21.20 21.00 20.33 21.32 20.81 20.65 21.39 21.92 21.45 20.99 17.46 19.36 19.36 19.39 20.64 17.30 20.49 20.55 21.38 20.05 21.38 20.05 21.38 20.05 21.38 20.05 21.38 20.05 21.38 20.05 21.38 20.05 21.38 20.05 21.38 20.05 21.38 20.05 21.38 20.05 21.38 20.05 21.38 20.05 21.38 20.05 21.38 20.05 21.38 20.05 20.11 20.59 21.36 20.80 20.80 20.80	260 1400 520 250 250 250 250 160 97 140 130 160 85 81 140 230 1900 190 180 190 190 190 190 190 190 110 140 140 181 120 150						85 140 29 8.5 6.2 6.8 4.5 4.1 4.9 5.7 6.1 5.5 4 4.1 2.7 7.8 2.7 7.8 2.7 52 36 4.5 1.5 10 4.9 6.4 8.1 4.9 6.8 4.3 7.6 8.8 7.5
EW-6	28.61	9/29/2011 12/9/2011 12/9/2011 12/9/2011 3/6/2012 6/26/2012 12/14/2012 6/21/2013 1/14/2014 6/26/2014 12/9/2016 6/3/2009 9/9/2016 12/29/2016 6/3/2009 3/18/2010 12/27/2010 3/11/2011 6/14/2011 9/29/2011 12/9/2014 6/11/2015 12/30/2015 12/30/2015 12/30/2015	8.34 8.28 7.79 6.50 7.14 7.34 8.01 7.02 7.53 7.69 6.95 6.42 6.89 7.35 11.15 9.25 8.62 7.97 11.31 8.12 8.06 7.23 8.56 8.50 8.50 8.50 8.50 8.70	21.35 20.00 20.06 20.55 21.84 21.20 21.00 20.33 21.32 20.81 20.65 21.39 21.92 21.45 20.99 17.46 19.36 19.99 20.64 17.30 20.49 20.55 21.38 20.05 21.38 20.05 21.38 20.05 21.19 20.49 20.56 21.38 20.05 20.11 20.59 21.87 21.24 21.05 20.37 21.26 21.38 20.80 20.80 20.80 20.68 21.42 21.94 21.40 21.03	260 1400 520 250 250 250 250 160 97 140 130 160 85 81 140 360 360 190 190 190 100 110 110						85 140 29 8.5 6.2 6.8 4.5 4.1 4.9 5.7 6.1 5.5 4 4.1 2.7 7.8 2.7 7.8 2.7 52 36 4.5 4.5 4.6 6.6 8.1 6.8 6.6 6.6 6.6 2.5
		9/29/2011 12/9/2011 12/9/2011 12/9/2011 3/6/2012 6/26/2012 6/26/2012 12/14/2012 6/21/2013 1/14/2014 6/26/2014 12/9/2014 6/11/2015 12/20/2016 6/3/2009 12/23/2009 3/18/2010 9/15/2010 12/27/2010 6/22/2010 9/15/2010 12/27/2010 12/2/2016 6/2/2012 12/30/2015 1/2/2016 6/9/2016	8.34 6.28 7.79 6.50 7.14 7.34 8.01 7.02 7.53 7.69 6.95 6.42 6.89 7.35 11.15 9.25 8.62 7.97 11.31 8.12 8.06 7.23 8.56 8.02 6.72 7.58 8.02 6.73 7.56 8.02 6.73 7.56 8.02 6.73 7.56 8.02 6.74 7.37 7.56 8.02 6.74 7.37 7.56 8.02 6.74 7.37 7.56 8.02 6.74 7.37 7.56 8.02 6.74 7.37 7.56 8.02 6.74 7.37 7.56 8.02 6.74 7.37 7.56 8.02 6.74 7.37 7.56 8.02 6.74 7.37 7.56 8.02 6.74 7.37 7.56 8.02 6.74 7.37 7.56 8.02 6.74 7.37 7.56 8.02 6.74 7.37 7.56 8.02 6.74 7.37 7.56 8.02 6.74 7.37 7.56 8.02 6.74 7.37 7.56 8.02 7.37 7.56 8.02 7.23 7.24 7.25 7.25 7.25 7.25 7.25 7.25 7.25 7.25 7.25 7.25 7.25 7.26 7.27 7.27 7.28 7.29 7.20	21.35 20.00 20.06 20.55 21.84 21.20 21.00 20.33 21.32 20.81 20.65 21.39 21.92 21.45 20.99 17.46 19.36 19.99 20.64 17.30 20.49 20.55 21.38 20.05 21.38 20.11 20.59 21.48 20.55 21.38 20.64 20.55 21.38 20.64 20.55 21.38 20.65 21.38 20.66 20.49 20.55 21.38 20.68 21.42 21.94 21.94 21.94 21.93	260 14400 520 250 250 250 250 160 220 160 97 140 130 160 85 81 140 230 1900 180 170 64 390 500 190 110 140 81 120 150 130 150 130 100 110 110 110 110 110 110						85 140 29 8.5 6.2 6.8 4.5 4.1 4.9 5.7 6.1 5.5 4 4.1 2.7 7.8 2.7 7.8 2.7 52 36 4.5 4.5 4.6 6.6 8.8 7.6 6.8 8.8 7.6 6.6 6.6 6.6 6.6 6.6 6.6 6.6 6.6 6.6
		9/29/2011 12/9/2011 12/9/2011 12/9/2011 3/6/2012 6/26/2012 12/14/2012 6/21/2013 1/14/2014 6/26/2014 12/9/2016 6/3/2009 9/9/2016 12/29/2016 6/3/2009 3/18/2010 12/27/2010 3/11/2011 6/14/2011 9/29/2011 12/9/2014 6/11/2015 12/30/2015 12/30/2015 12/30/2015	8.34 8.28 7.79 6.50 7.14 7.34 8.01 7.02 7.53 7.69 6.95 6.42 6.89 7.35 11.15 9.25 8.62 7.97 11.31 8.12 8.06 7.23 8.56 8.50 8.50 8.50 8.50 8.70	21.35 20.00 20.06 20.55 21.84 21.20 21.00 20.33 21.32 20.81 20.65 21.39 21.92 21.45 20.99 17.46 19.36 19.99 20.64 17.30 20.49 20.55 21.38 20.05 21.38 20.05 21.38 20.05 21.19 20.49 20.56 21.38 20.05 20.11 20.59 21.87 21.24 21.05 20.37 21.26 21.38 20.80 20.80 20.80 20.68 21.42 21.94 21.40 21.03	260 1400 520 250 250 250 250 160 97 140 130 160 85 81 140 360 360 190 190 190 100 110 110						85 140 29 8.5 6.2 6.8 4.5 4.1 4.9 5.7 6.1 5.5 4 4.1 2.7 7.8 2.7 7.8 2.7 52 36 4.5 4.5 4.6 6.6 8.1 6.8 6.6 6.6 6.6 2.5

							Concentra	tion in μg/L			Concentration in mg/l
Mall	TOC	Dete	Depth to Water	Groundwater	Araonia	Zina	Lood	Conner	TOULD	TDUO	lean
Well	Elevation	Date Cleanup Lei	in Feet /el/Performance S	Elevation in Feet tandard (See Note 2)	Arsenic 20	Zinc 32	Lead 0.54	Copper 3.5	TPH-D 0.5	TPH-O 0.5	1ron 75
Extraction Wells (Continued)		Oleanap Le	rew enormance o	tandara (GCC 1401C 2)	20	- OL	0.07	0.0	0.0	0.0	
		9/15/2010	9.63	19.03	830						8.7
		12/27/2010 3/11/2011	8.19 8.07	20.47 20.59	240 130						6.9 8.5
		6/14/2011	7.30	21.36	410						18
		9/29/2011 12/9/2011	8.65 8.61	20.01 20.05	320 180						11 8.3
		3/6/2012	8.13	20.53	81						3.8
		6/26/2012 12/14/2012	6.81 7.46	21.85 21.20	150 36						8.4 1.6
		6/21/2013	7.63	21.03	100						4.7
		1/14/2014	8.32	20.34	41						2.6
		6/26/2014 12/9/2014	7.34 7.92	21.32 20.74	150 76						7.6 5.8
		6/11/2015	8.01	20.65	170						8.2
		12/30/2015 1/22/2016	7.28 6.74	21.38 21.92	35						1.8
		6/9/2016	7.25	21.41	43						3
EW 0	00.00	12/29/2016	7.68	20.98	31						1.9
EW-8	28.88	6/3/2009 9/9/2009	10.11	18.77	560 750						21 16
		12/23/2009	10.36	18.52	610						16
		3/18/2010 6/22/2010	9.37 8.49	19.51 20.39	280 360						7.7 14
		9/15/2010	9.93 ³	18.95	290						15
-		12/27/2010	9.16	19.72	810		1				20
		3/11/2011 6/14/2011	8.95 8.24	19.93 20.64	670 460						20 20
		9/29/2011	9.54	19.34	490						17
		12/9/2011 3/6/2012	9.74 9.28	19.14 19.60	530 510						19 22
		6/26/2012	8.00	20.88	370						22
		12/14/2012	8.84	20.04	470		1		-	-	19 20
		6/21/2013 1/14/2014	8.59 9.55	20.29 19.33	380 540						20
		6/26/2014	8.35	20.53	390						20
		12/9/2014 6/11/2015	9.12 8.99	19.76 19.89	550 440						19 18
		12/30/2015	8.97	19.91	550						17
		1/22/2016	8.61 8.51	20.27 20.37	420						18
		6/9/2016 12/29/2016	8.51 9.17	19.71	420 450						18 16
Piezometers											
PZ-1	27.78	5/5/2009 9/9/2009	6.59 7.39	21.19 20.39							
		12/23/2009	7.17	20.61							
		3/18/2010	6.72	21.06							
		6/22/2010 9/13/2010	5.80 8.11	21.98 19.67							
		12/27/2010	7.31	20.47							
		3/11/2011									
			6.98	20.80							
		6/14/2011 9/29/2011	7.07 7.86	20.71 19.92							
		6/14/2011 9/29/2011 12/9/2011	7.07 7.86 7.85	20.71 19.92 19.93							
		6/14/2011 9/29/2011	7.07 7.86	20.71 19.92							
		6/14/2011 9/29/2011 12/9/2011 3/6/2012 6/26/2012 12/13/2012	7.07 7.86 7.85 7.63 6.85 7.10	20.71 19.92 19.93 20.15 20.93 20.68							
		6/14/2011 9/29/2011 12/9/2011 3/6/2012 6/26/2012 12/13/2012 6/20/2013	7.07 7.86 7.85 7.63 6.85 7.10 7.30	20.71 19.92 19.93 20.15 20.93 20.68 20.48							
		6/14/2011 9/29/2011 12/9/2011 3/6/2012 6/26/2012 12/13/2012 6/20/2013 1/14/2014 6/25/2014	7.07 7.86 7.85 7.63 6.85 7.10	20.71 19.92 19.93 20.15 20.93 20.68							
		6/14/2011 9/29/2011 12/9/2011 3/6/2012 6/26/2012 12/13/2012 6/20/2013 1/14/2014 6/25/2014 12/10/2014	7.07 7.86 7.85 7.63 6.85 7.10 7.30 7.81 6.87	20.71 19.92 19.93 20.15 20.93 20.68 20.48 19.97 20.91							
		6/14/2011 9/29/2011 12/9/2011 3/6/2012 6/26/2012 12/13/2012 6/20/2013 1/14/2014 6/25/2014	7.07 7.86 7.85 7.63 6.85 7.10 7.30 7.81	20.71 19.92 19.93 20.15 20.93 20.68 20.48 19.97							
		6/14/2011 9/29/2011 12/9/2011 12/9/2012 6/26/2012 12/13/2012 6/20/2013 11/14/2014 6/25/2014 12/10/2014 6/11/2015 12/29/2015	7.07 7.86 7.85 7.63 6.85 7.10 7.30 7.81 6.87 7.46 14.96	20.71 19.92 19.93 20.15 20.93 20.68 20.48 19.97 20.91 20.32 20.32 12.82 13.45							
		6/14/2011 9/29/2011 12/9/2011 12/9/2011 3/6/2012 6/26/2012 12/13/2012 12/13/2013 1/14/2014 6/25/2014 12/10/2014 6/11/2015 12/29/2015	7.07 7.86 7.85 7.63 6.85 7.10 7.30 7.81 6.87	20.71 19.92 19.93 20.15 20.93 20.68 20.48 19.97 20.91 20.32							
PZ-2	27.87	6/14/2011 9/29/2011 3/6/2012 6/26/2012 6/26/2012 6/20/2013 1/14/2014 6/25/2014 12/10/2014 6/11/2015 6/8/2016 6/8/2016 5/5/2009	7.07 7.86 7.85 7.63 6.85 7.10 7.30 7.81 6.87 7.46 14.96 14.33 7.26 14.33 5.76	20.71 19.92 19.93 20.15 20.93 20.68 20.48 19.97 20.91 20.32 12.82 13.45 20.52 20.15 22.11							
PZ-2	27.87	6/14/2011 9/29/2011 12/9/2011 3/6/2012 12/13/2012 6/26/2012 12/13/2012 6/20/2013 1/14/2014 6/12/2014 12/10/2014 6/11/2015 12/29/2015 1/22/2016 6/8/2016 12/28/2016 12/28/2019 9/9/2009	7.07 7.86 7.885 7.63 6.85 7.10 7.30 7.81 6.87 7.46 14.96 14.33 7.26 7.63 5.76	20.71 19.92 19.93 20.15 20.93 20.68 20.48 20.48 20.91 20.91 20.32 12.82 13.45 20.52 20.15 22.11 19.70							
PZ-2	27.87	6/14/2011 9/29/2011 12/9/2011 3/6/2012 6/26/2012 6/26/2012 6/20/2013 1/14/2014 6/25/2014 12/10/2014 6/11/2015 1/22/2016 6/8/2016 1/22/2016 6/8/2016 1/2/2016 5/5/2009 9/9/2009 3/18/2010	7.07 7.86 7.85 7.63 6.85 7.10 7.30 7.81 6.87 7.46 14.96 14.33 7.26 8.17 7.74 7.74	20.71 19.92 19.93 20.15 20.93 20.68 20.48 19.97 20.91 20.32 12.82 13.45 20.52 20.15 22.11 19.70 20.13 20.57							
PZ-2	27.87	6/14/2011 9/29/2011 12/9/2011 3/6/2012 6/26/2012 12/13/2012 6/20/2013 1/14/2014 6/12/2014 12/10/2014 6/12/2015 1/22/2016 5/5/2009 9/9/2009 12/23/2009 3/18/2010 6/2/2010	7.07 7.86 7.85 7.63 6.85 7.10 7.30 7.46 14.96 14.93 7.26 7.63 5.76 8.17 7.74 7.30 6.41	20.71 19.92 19.93 20.15 20.93 20.68 20.48 19.97 20.91 20.32 12.82 13.45 20.52 20.15 22.11 19.70 20.13 20.57 21.46							
PZ-2	27.87	6/14/2011 9/29/2011 12/9/2011 3/6/2012 6/26/2012 6/26/2012 6/20/2013 1/14/2014 6/25/2014 12/10/2014 6/11/2015 1/22/2016 6/8/2016 1/22/2016 6/8/2016 1/2/2/2016 5/5/2009 9/9/2009 3/18/2010	7.07 7.86 7.85 7.63 6.85 7.10 7.30 7.81 6.87 7.46 14.96 14.33 7.26 8.17 7.74 7.74	20.71 19.92 19.93 20.15 20.93 20.68 20.48 19.97 20.91 20.32 12.82 13.45 20.52 20.15 22.11 19.70 20.13 20.57							
PZ-2	27.87	6/14/2011 9/29/2011 12/9/2011 3/6/2012 6/26/2012 12/13/2012 6/20/2013 1/14/2014 6/12/2014 12/10/2014 6/12/2015 1/2/2016 1/2/2016 1/2/2016 1/2/2016 1/2/2016 1/2/2016 1/2/2016 1/2/2010 1/2/2010 1/2/2010 1/2/2010 1/2/2010 1/2/2010 9/13/2010 9/13/2010 9/13/2010 9/13/2010 9/13/2010 9/13/2010 9/13/2010	7.07 7.86 7.85 7.63 6.85 7.10 7.30 7.81 6.87 7.46 14.96 14.33 7.26 7.63 5.76 8.17 7.74 8.11 6.89	20.71 19.92 19.93 20.15 20.93 20.68 20.48 19.97 20.91 20.32 12.82 13.45 20.52 20.15 22.11 19.70 20.13 20.57 21.46 19.76 20.98							
PZ-2	27.87	6/14/2011 9/29/2011 3/6/2012 6/26/2012 6/26/2012 6/20/2013 1/14/2014 6/25/2014 12/10/2014 6/11/2015 1/22/2016 6/8/2016 12/28/2016 12/28/2016 6/8/2019 12/23/2009 12/23/2009 3/18/2010 9/13/2010 9/13/2010 12/27/2010 9/13/2010	7.07 7.86 7.85 7.63 6.85 7.10 7.30 7.81 6.87 7.46 14.96 14.33 7.26 7.63 5.76 8.17 7.74 7.74 7.30 6.81 7.63	20.71 19.92 19.93 20.15 20.93 20.68 20.48 19.97 20.91 20.32 12.82 13.45 20.52 20.15 22.11 19.70 20.13 20.57 20.13 20.57 20.19 20.13 20.59 20.15 22.11 20.17 20.18 20.19 20.18 20.19							
PZ-2	27.87	6/14/2011 9/29/2011 12/9/2011 3/6/2012 6/26/2012 12/13/2012 6/20/2013 1/14/2014 6/12/2014 12/10/2014 6/12/2015 1/2/2016 1/2/2016 1/2/2016 1/2/2016 1/2/2016 1/2/2016 1/2/2016 1/2/2010 1/2/2010 1/2/2010 1/2/2010 1/2/2010 1/2/2010 9/13/2010 9/13/2010 9/13/2010 9/13/2010 9/13/2010 9/13/2010 9/13/2010	7.07 7.86 7.85 7.63 6.85 7.10 7.30 7.81 6.87 7.46 14.96 14.33 7.26 7.63 5.76 8.17 7.74 8.11 6.89	20.71 19.92 19.93 20.15 20.93 20.68 20.48 19.97 20.91 20.32 12.82 13.45 20.52 20.15 22.11 19.70 20.13 20.57 21.46 19.76 20.98							
PZ-2	27.87	6/14/2011 9/29/2011 9/29/2011 3/6/2012 6/26/2012 12/13/2012 6/26/2012 12/13/2012 6/20/2013 1/14/2014 6/25/2014 12/10/2014 6/11/2015 1/22/2016 6/8/2016 12/28/2016 5/5/2009 12/23/2009 3/18/2010 9/13/2010 12/27/2010 9/13/2010 12/27/2010 9/13/2010 12/27/2010 9/13/2010 12/27/2010 9/13/2010 12/27/2010 9/13/2010 12/27/2010 9/13/2010 12/27/2010 9/13/2010 12/27/2010 9/13/2011 6/14/2011 9/29/2011 12/9/2011	7.07 7.86 7.85 7.63 6.85 7.10 7.30 7.81 6.87 7.46 14.96 14.33 7.26 7.63 5.76 8.17 7.74 7.30 6.41 8.11 6.89	20.71 19.92 19.93 20.15 20.93 20.68 20.48 19.97 20.91 20.32 12.82 13.45 20.52 20.15 22.11 22.11 20.13 20.57 21.46 19.76 20.98 21.63 20.42 20.42 20.91							
PZ-2	27.87	6/14/2011 9/29/2011 12/9/2011 3/6/2012 6/26/2012 12/13/2012 6/26/2012 12/13/2012 6/25/2014 12/10/2014 6/12/2016 11/22/2016 11/22/2016 12/28/2016 12/28/2016 12/28/2016 12/28/2016 12/28/2016 12/28/2016 12/28/2010 9/13/2010 9/13/2010 12/27/2010 9/13/2010 12/27/2010 3/11/2011 6/14/2011 9/29/2011 12/9/2011	7.07 7.86 7.85 7.63 6.85 7.10 7.30 7.81 6.87 7.46 14.96 14.33 7.26 7.63 5.76 8.17 7.74 8.17 7.74 8.11 8.11 8.11 8.12 8.12 8.13 8.14 8.15 8.15 8.17 7.74 8.17 7.74 8.17 7.74 8.17 7.74 8.17 8.17 8.17 8.17 8.17 8.17 8.17 8.17	20.71 19.92 19.93 20.15 20.93 20.68 20.48 20.48 19.97 20.91 20.32 12.82 13.45 20.52 20.15 20.15 22.11 19.70 20.13 20.57 21.46 19.76 19.76 20.98 21.63 20.42 20.42 20.91 21.04							
	27.87	6/14/2011 9/29/2011 9/29/2011 3/6/2012 6/26/2012 12/13/2012 6/26/2012 12/13/2012 6/20/2013 1/14/2014 6/25/2014 12/10/2014 6/11/2015 1/22/2016 6/8/2016 12/28/2016 5/5/2009 12/23/2009 3/18/2010 9/13/2010 12/27/2010 9/13/2010 12/27/2010 9/13/2010 12/27/2010 9/13/2010 12/27/2010 9/13/2010 12/27/2010 9/13/2010 12/27/2010 9/13/2010 12/27/2010 9/13/2010 12/27/2010 9/13/2011 6/14/2011 9/29/2011 12/9/2011	7.07 7.86 7.85 7.63 6.85 7.10 7.30 7.81 6.87 7.46 14.96 14.33 7.26 7.63 5.76 8.17 7.74 7.30 6.41 8.11 6.89	20.71 19.92 19.93 20.15 20.93 20.68 20.48 19.97 20.91 20.32 12.82 13.45 20.52 20.15 22.11 22.11 20.13 20.57 21.46 19.76 20.98 21.63 20.42 20.42 20.91							
PZ-2 Piezometers (continued)	27.87	6/14/2011 9/29/2011 12/9/2011 3/6/2012 6/26/2012 12/13/2012 6/26/2012 12/13/2012 6/26/2013 1/14/2014 6/12/2016 1/22/2016 1/22/2016 1/22/2016 1/22/2016 1/22/2016 1/22/2016 1/22/2016 1/22/2010 9/13/2010 1/2/27/2010 9/13/2010 1/2/27/2010 9/13/2010 1/2/27/2010 1/2/27/2010 1/2/27/2010 1/2/27/2010 1/2/27/2010 3/11/2011 1/2/2/2011 1/2/2/2011 1/2/2/2011 1/2/2/2011 1/2/2/2011 1/2/2/2011 1/2/2/2011 1/2/2/2011 1/2/2/2011 1/2/2/2011 1/2/2/2011 1/2/2/2011 1/2/2/2011 1/2/2/2011 1/2/2/2011 1/2/2/2011 1/2/2/2011	7.07 7.86 7.86 7.85 7.63 6.85 7.10 7.30 7.81 6.87 7.46 14.96 14.33 7.26 7.63 5.76 8.17 7.74 8.11 8.11 6.89 6.24 7.45 6.96 6.83 6.45 6.58	20.71 19.92 19.93 20.15 20.93 20.68 20.48 20.48 19.97 20.91 20.32 12.82 13.45 20.52 20.15 20.15 22.11 19.70 20.13 20.57 21.46 19.76 20.98 21.63 20.42 20.42 20.41 21.04 21.42 21.29							
	27.87	6/14/2011 9/29/2011 12/9/2011 3/6/2012 6/26/2012 12/13/2012 6/26/2012 12/13/2012 6/20/2013 1/14/2014 6/12/2014 12/10/2014 6/12/2015 1/22/2016 5/5/2009 3/18/2016 12/23/2009 12/23/2009 12/23/2009 12/23/2009 12/23/2009 12/23/2009 12/23/2009 12/23/2009 12/23/2009 12/23/2009 12/23/2009 12/23/2009 12/23/2009 12/23/2009 12/23/2009 12/23/2001 12/27/2010 3/11/2011 6/14/2011 3/6/2012 6/26/2012	7.07 7.86 7.85 7.63 6.85 7.10 7.30 7.81 6.87 7.46 14.96 14.33 7.26 7.63 5.76 8.17 7.74 7.30 6.41 8.11 6.89	20.71 19.92 19.93 20.15 20.93 20.68 20.48 19.97 20.91 20.32 12.82 13.45 20.52 20.16 22.11 19.70 20.13 20.57 21.46 19.76 20.98 21.63 20.42 20.42 20.42 20.41							
	27.87	6/14/2011 9/29/2011 12/9/2011 3/6/2012 6/26/2012 12/13/2012 6/26/2012 12/13/2012 6/26/2013 1/14/2014 6/12/2016 1/22/2016 1/22/2016 1/22/2016 1/22/2016 1/22/2016 1/22/2016 1/22/2016 1/22/2010 9/13/2019 1/2/21/2010 9/13/2010 1/2/21/2010 9/13/2010 1/2/21/2010 9/13/2010 1/2/21/2010 9/13/2010 1/2/21/2010 1/2/21/2010 1/2/21/2010 1/2/21/2010 1/2/21/2010 1/2/21/2010 1/2/21/2010 1/2/21/2010 1/2/21/2010 1/2/21/2010 1/2/21/2010 1/2/21/2010 1/2/21/2010 1/2/21/2011 1/2/2/2011 1/2/2/2011 1/2/2/2011 1/2/2/2011 1/2/2/2011	7.07 7.86 7.87 7.86 7.88 7.83 6.85 7.10 7.30 7.81 6.87 7.46 14.96 14.33 7.26 7.63 5.76 8.17 7.74 7.30 6.41 8.11 6.89 6.24 7.45 6.98 6.83 6.45 6.58	20.71 19.92 19.93 20.15 20.93 20.68 20.48 20.48 19.97 20.91 20.32 12.82 13.45 20.52 20.15 20.17 20.13 20.57 20.146 19.76 20.98 20.42 20.42 20.91 21.04 21.42 21.29 20.67 21.55							
	27.87	6/14/2011 9/29/2011 3/6/2012 6/26/2012 12/13/2012 6/26/2012 12/13/2012 6/20/2013 1/14/2014 6/25/2014 12/10/2014 12/10/2014 6/12/2015 1/22/2016 5/5/2009 12/23/2009 12/23/2009 3/18/2016 12/28/2016 12/28/2016 12/28/2016 12/28/2016 12/28/2016 12/28/2016 12/28/2016 12/28/2010 12/27/2010 9/13/2010 12/27/2010 9/13/2010 12/27/2010	7.07 7.86 7.86 7.85 7.63 6.85 7.10 7.30 7.81 6.87 7.46 14.96 14.33 7.26 7.63 5.76 8.17 7.74 7.30 6.41 8.11 6.89 6.24 7.45 6.96 6.83 6.45 6.58	20.71 19.92 19.93 20.15 20.93 20.68 20.48 19.97 20.91 20.32 12.82 13.45 20.52 20.15 22.11 20.13 20.57 21.46 19.76 20.98 21.63 20.42 20.42 20.42 20.91 21.04 21.42 21.29 20.67 21.55							
	27.87	6/14/2011 9/29/2011 9/29/2011 3/6/2012 12/9/2011 3/6/2012 12/13/2012 6/26/2012 12/13/2012 6/26/2013 1/14/2014 6/12/2016 1/22/2016 1/22/2016 1/22/2016 1/22/2016 1/22/2016 1/22/2016 1/22/2016 1/22/2016 1/22/2016 1/22/2016 1/22/2016 1/22/2016 1/22/2016 1/22/2016 1/22/2016 1/22/2016 1/22/2016 1/22/2016 1/2/2/2016 1/2/2/2016 1/2/2/2016 1/2/2/2016 1/2/2/2016 1/2/2/2016 1/2/2/2016 1/2/2/2016 1/2/2/2016 1/2/2/2017 1/2/2/2017 1/2/2/2017 1/2/2/2018 1/14/2014 6/2/2/2015 1/2/2/2015 1/2/2/2015 1/2/2/2015	7.07 7.86 7.87 7.86 7.88 7.83 6.85 7.10 7.30 7.81 6.87 7.46 14.96 14.33 7.26 7.63 5.76 8.17 7.74 7.30 6.41 8.11 6.89 6.24 7.45 6.96 6.83 6.45 6.58 7.20 6.32 6.74 14.69	20.71 19.92 19.93 20.15 20.93 20.68 20.48 20.49 20.91 20.91 20.32 12.82 13.45 20.52 20.15 22.11 19.70 20.13 20.57 21.46 19.76 20.98 21.63 20.42 20.42 20.41 21.42 21.29 20.67 21.55							
	27.87	6/14/2011 9/29/2011 3/6/2012 6/26/2012 12/9/2011 3/6/2012 6/26/2012 12/13/2012 6/20/2013 1/14/2014 6/25/2014 12/10/2014 6/11/2015 1/22/2016 5/5/2009 3/18/2016 12/28/2016 12/28/2016 12/28/2016 12/28/2016 12/28/2016 12/28/2010 12/27/2010 9/13/2010 12/27/2010 9/13/2010 12/27/2010 9/13/2010 12/27/2015 12/29/2015 12/22/2016 6/8/2016	7.07 7.86 7.86 7.85 7.63 6.85 7.10 7.30 7.81 6.87 7.46 14.96 14.33 7.26 7.63 5.76 8.17 7.74 7.30 6.41 8.11 6.89 6.24 7.45 6.96 6.83 6.45 6.58 7.20 6.32 6.74 14.69 14.70 6.28	20.71 19.92 19.93 20.15 20.93 20.68 20.48 19.97 20.91 20.32 12.82 13.45 20.52 20.15 22.11 20.13 20.57 21.46 19.76 20.98 21.63 20.42 20.42 20.91 21.04 21.42 21.29 20.67 21.55							
Piezometers (continued)	27.87	6/14/2011 9/29/2011 9/29/2011 3/6/2012 12/9/2011 3/6/2012 12/13/2012 6/26/2012 12/13/2012 6/26/2013 1/14/2014 6/12/2016 1/22/2016 1/22/2016 1/22/2016 1/22/2016 1/22/2016 1/22/2016 1/22/2016 1/22/2016 1/22/2016 1/22/2016 1/22/2016 1/22/2016 1/22/2016 1/22/2016 1/22/2016 1/22/2016 1/22/2016 1/22/2016 1/2/2/2016 1/2/2/2016 1/2/2/2016 1/2/2/2016 1/2/2/2016 1/2/2/2016 1/2/2/2016 1/2/2/2016 1/2/2/2016 1/2/2/2017 1/2/2/2017 1/2/2/2017 1/2/2/2018 1/14/2014 6/2/2/2015 1/2/2/2015 1/2/2/2015 1/2/2/2015	7.07 7.86 7.87 7.86 7.88 7.83 6.85 7.10 7.30 7.81 6.87 7.46 14.96 14.33 7.26 7.63 5.76 8.17 7.74 7.30 6.41 8.11 6.89 6.24 7.45 6.96 6.83 6.45 6.58 7.20 6.32 6.74 14.69	20.71 19.92 19.93 20.15 20.93 20.68 20.48 20.49 20.91 20.91 20.32 12.82 13.45 20.52 20.15 22.11 19.70 20.13 20.57 21.46 19.76 20.98 21.63 20.42 20.42 20.41 21.42 21.29 20.67 21.55							
Piezometers (continued) Porewater Stations	27.87	6/14/2011 9/29/2011 3/6/2012 6/26/2012 12/9/2012 6/26/2012 12/13/2012 6/26/2013 1/14/2014 6/12/2014 12/10/2014 12/10/2014 6/12/2015 1/22/2016 5/5/2009 12/23/2009 12/23/2009 3/13/2016 12/28/2016 11/28/2016 11/28/2016 11/28/2016 11/28/2016	7.07 7.86 7.86 7.85 7.63 6.85 7.10 7.30 7.81 6.87 7.46 14.96 14.33 7.26 7.63 5.76 8.17 7.74 7.30 6.41 8.11 6.89 6.24 7.45 6.96 6.83 6.45 6.58 7.20 6.32 6.74 14.69 14.70 6.28	20.71 19.92 19.93 20.15 20.93 20.68 20.48 19.97 20.91 20.32 12.82 13.45 20.52 20.15 22.11 20.13 20.57 21.46 19.76 20.98 21.63 20.42 20.42 20.91 21.04 21.42 21.29 20.67 21.55	1.5						
	27.87	6/14/2011 9/29/2011 12/9/2011 3/6/2012 6/26/2012 12/13/2012 6/26/2012 12/13/2012 6/26/2013 1/14/2014 6/12/2015 1/22/2016 1/22/2016 1/22/2016 1/22/2016 1/22/2016 1/2/2016	7.07 7.86 7.86 7.85 7.63 6.85 7.10 7.30 7.81 6.87 7.46 14.96 14.33 7.26 7.63 5.76 8.17 7.74 7.30 6.41 8.11 6.89 6.24 7.45 6.96 6.83 6.45 6.58 7.20 6.32 6.74 14.69 14.70 6.28	20.71 19.92 19.93 20.15 20.93 20.68 20.48 19.97 20.91 20.32 12.82 13.45 20.52 20.15 22.11 20.13 20.57 21.46 19.76 20.98 21.63 20.42 20.42 20.91 21.04 21.42 21.29 20.67 21.55	1.5 3.1						4.9 4.8
Piezometers (continued) Porewater Stations	27.87	6/14/2011 9/29/2011 9/29/2011 3/6/2012 6/26/2012 12/13/2012 6/26/2012 12/13/2012 6/26/2013 1/14/2014 6/25/2014 12/10/2014 6/11/2015 1/22/2016 6/8/2016 12/28/2016 12/28/2016 12/28/2016 12/28/2016 12/28/2016 12/28/2016 12/28/2016 12/28/2016 12/28/2016 12/28/2016 12/28/2016 12/28/2016 12/28/2016 12/28/2016 12/28/2016 12/28/2016 12/28/2011 11/14/2011 12/92/2011 11/14/2011 12/92/2011 11/14/2011 12/92/2011 11/14/2011 12/92/2011 11/14/2015 12/29/2015 1/22/2016 12/28/2016 12/28/2016 12/28/2016 12/28/2016	7.07 7.86 7.86 7.85 7.63 6.85 7.10 7.30 7.81 6.87 7.46 14.96 14.33 7.26 7.63 5.76 8.17 7.74 7.30 6.41 8.11 6.89 6.24 7.45 6.96 6.83 6.45 6.58 7.20 6.32 6.74 14.69 14.70 6.28	20.71 19.92 19.93 20.15 20.93 20.68 20.48 19.97 20.91 20.32 12.82 13.45 20.52 20.15 22.11 20.13 20.57 21.46 19.76 20.98 21.63 20.42 20.42 20.91 21.04 21.42 21.29 20.67 21.55	3.1 1 U						4.8 0.056 U
Piezometers (continued) Porewater Stations	27.87	6/14/2011 9/29/2011 12/9/2011 3/6/2012 6/26/2012 12/13/2012 6/26/2012 12/13/2012 6/20/2013 1/14/2014 6/12/2016 1/22/2016 1/22/2016 1/22/2016 1/22/2016 1/22/2016 1/22/2016 1/22/2016 1/22/2010 1/3/20	7.07 7.86 7.86 7.85 7.63 6.85 7.10 7.30 7.81 6.87 7.46 14.96 14.33 7.26 7.63 5.76 8.17 7.74 7.30 6.41 8.11 6.89 6.24 7.45 6.96 6.83 6.45 6.58 7.20 6.32 6.74 14.69 14.70 6.28	20.71 19.92 19.93 20.15 20.93 20.68 20.48 19.97 20.91 20.32 12.82 13.45 20.52 20.15 22.11 20.13 20.57 21.46 19.76 20.98 21.63 20.42 20.42 20.91 21.04 21.42 21.29 20.67 21.55	3.1						4.8

	<u> </u>				<u></u>		Concentra	ition in μg/L			Concentration in mg/L
Well	TOC Elevation	Date	Depth to Water in Feet	Groundwater Elevation in Feet	Arsenic	Zinc	Lead	Copper	TPH-D	TPH-O	Iron
		Cleanup Le		tandard (See Note 2)	20	32	0.54	3.5	0.5	0.5	75
PW-CMW-3		3/18/2010 7/1/2006			1 U 1.7						0.056 U
011111 0		3/12/2007									1.5
		5/22/2009 10/9/2009			1 U 1.8			<u> </u>			0.056 U 0.082
		1/5/2010			1 U						0.063
PW-CMW-4		3/18/2010 9/9/2005			1 U 1,400						0.056 U
· · · · · · · · · · · · · · · · · · ·		9/21/2007									26
		5/22/2009 10/9/2009			2.2 2.6						0.056 U 0.12
		1/5/2010 3/18/2010			2.3						0.23
PW-Control		2/4/2010			1.3 1 U						0.056 U 0.056 U
NS01-C1		3/18/2010			1 U						0.056 U
WD01-PW		6/22/2009 6/18/2009			7.4 5.7						6.67 3.83
WD02-PW		6/18/2009			3.2						3.11
Quendall Terminals Monitoring BH-21A	Wells 26.16	9/9/2009	8.11	18.05	5.9						ı
		12/23/2009	8.69	17.47							
		3/19/2010 6/22/2010	7.30 6.75	18.86 19.41							
		9/13/2010	7.79	18.37							
		3/11/2011 6/14/2011	7.46 6.72	18.70 19.44				 			
		9/29/2011	8.15	18.01							
	 	12/8/2011 3/6/2012	8.28 7.91	17.88 18.25				 		-	
		6/26/2012	6.64	19.52							
	 	12/13/2012 6/20/2013	7.93 7.00	18.23 19.16				 		-	
		1/14/2014	8.18	17.98							
	 	6/25/2014 12/10/2014	6.76 7.93	19.40 18.23				 		-	
		6/11/2015	7.34	18.82							
		12/29/2015 1/22/2016	7.79 7.70	18.37 18.46				 			
		6/8/2016 12/28/2016	7.06 7.99	19.10 18.17							
BH-21B	25.88	9/9/2009	6.43	19.45	109						
		12/23/2009	6.63	19.25	77/65.5 ¹						
	 	3/19/2010 9/13/2010	5.72 6.24	20.16 19.64				 		-	
		3/11/2011	5.86	20.02							
	 	6/14/2011 9/29/2011	5.07 6.49	20.81 19.39				 		-	
		12/8/2011	6.63	19.25							
		3/6/2012 6/26/2012	6.26 5.95	19.62 19.93							
		12/13/2012	6.34	19.54							
	 	6/20/2013 1/14/2014	5.36 6.57	20.52 19.31							
		6/25/2014	5.16	20.72							
		12/10/2014 6/11/2015	6.40 5.65	19.48 20.23							
		12/29/2015	6.30	19.58							
		1/22/2016 6/8/2016	6.27 5.37	19.61 20.51							
DH 36V	20.00	12/28/2016	6.46	19.42	2.0						
BH-26A	28.98	9/9/2009 12/23/2009	9.29 8.27	19.69 20.71	3.8						
-		3/19/2010 6/22/2010	7.88	21.10 21.47					-		
		9/13/2010	7.51 9.28	19.70							
	1	3/11/2011 6/14/2011	7.25 7.20	21.73 21.78				ļ			
		9/29/2011	8.74	20.24							
-		12/8/2011 3/6/2012	8.28 7.62	20.70 21.36							
		6/26/2012	6.95	22.03							
	 	12/13/2012 6/20/2013	6.98 7.75	22.00 21.23				<u> </u>			
		1/14/2014	7.99	20.99							
		6/25/2014 12/10/2014	7.46 7.39	21.52 21.59			-	 		1	
		6/11/2015	8.08	20.90							
		12/29/2015 1/22/2016	6.56 6.23	22.42 22.75				<u> </u>			
		6/8/2016	7.67	21.31							
BH-26B	26.62	12/28/2016 9/9/2009	7.21 6.88	21.77 19.74	31.8		1	 		 	
-		12/23/2009	6.98	19.64							
		3/19/2010 6/22/2010	6.10 5.47	20.52 21.15							
		9/13/2010	6.75	19.87							
		3/11/2011 6/14/2011	6.17 5.44	20.45 21.18							
		9/29/2011	6.88	19.74							
		12/8/2011 3/6/2012	6.94 6.56	19.68 20.06			-	 		1	
		6/26/2012	5.31	21.31							
	 	12/13/2012 6/20/2013	6.59 5.76	20.03 20.86				-			
	1	1/14/2014	6.88	19.74							
1											
		6/25/2014 12/10/2014	5.56 6.64	21.06 19.98							

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							Concentra	ation in μg/L			Concentration in mg/
	TOC		Depth to Water	Groundwater							
Well	Elevation	Date	in Feet	Elevation in Feet	Arsenic	Zinc	Lead	Copper	TPH-D	TPH-O	Iron
		Cleanup Le	vel/Performance S	tandard (See Note 2)	20	32	0.54	3.5	0.5	0.5	75
		6/11/2015	6.05	20.57							
		12/29/2015	6.47	20.15							
		1/22/2016	6.39	20.23							
		6/8/2016	5.75	20.87							
		12/28/2016	6.68	19.94							
BH-29A	27.64	9/9/2009	9.65	17.99	389						
-		12/23/2009	9.91	17.73	400/372 ¹						
		3/19/2010	8.96	18.68							
		6/22/2010	8.29	19.35							
		9/13/2010	9.52	18.12	230						23
		3/11/2011	9.09	18.55							
		6/14/2011	8.17	19.47							
		9/28/2011	9.63	18.01	490						23
		12/8/2011	9.89	17.75							
		3/6/2012	9.53	18.11							
		6/26/2012	8.00	19.64							
		12/13/2012	9.55	18.09	370						19
		6/20/2013	8.44	19.20							
		1/14/2014	9.74	17.90							
		6/25/2014	8.20	19.44	230						21
		12/10/2014	9.56	18.08	260						20
		6/11/2015	8.77	18.87							
		12/29/2015	9.45	18.19	240						18
		1/22/2016	9.39	18.25							
		6/8/2016	8.45	19.19							
		12/28/2016	9.64	18.00	210						18
BH-29B	27.8	9/9/2009	8.59	19.21	3						
		12/23/2009	8.80	19.00							
		3/19/2010	7.85	19.95							
		6/22/2010	7.19	20.61							
		9/13/2010	6.42	21.38							
		3/11/2011	8.01	19.79							
		6/14/2011	7.15	20.65							
		9/29/2011	8.58	19.22							
		12/8/2011	8.76	19.04							ļ
		3/6/2012 6/26/2012	8.40	19.40 20.80							ļ
		6/26/2012 12/13/2012	7.00 8.52	20.80 19.28							ļ
		6/20/2013	7.43	19.28							
		1/14/2014	7.43 8.70	19.10							
		6/25/2014	7.21	20.59							
		12/10/2014	8.56	19.24							
		6/11/2015	7.73	20.07			1			1	-
		12/29/2015	8.45	19.35							1
		1/22/2016	8.36	19.44			1				1
		6/8/2016	7.42	20.38							
		12/28/2016	8.62	19.18							
Notes:		.2/20/2010	0.02	10.10						1	

Arsenic: Cleanup level based on natural background concentration of arsenic in groundwater.

Zinc: Cleanup level based on current ARARs for fresh water, superseding the previous cleanup level of 105µg/L identified in Independent Remedial Action Plan (Hart Crowser, 2000)

TPH: Cleanup level based on MTCA Method A cleanup level for unrestricted use.

Iron: Performance standard is for the PAZ to not significantly elevate natural concentrations, which are naturally elevated due to reducing conditions created by peat deposits in Site soils.

Copper and Lead: Performance standard for PAZ is to not result in exceedance of surface water standard listed in table

existing location

Blue Italics indicates baseline sample from location closest to current sample location, as follows: existing location baseline location

CMW-1 CMW-2S AZ-16 AZ-3 CMW-2D CMW-3 AZ-18 RMW-01 CMW-4S CMW-4D AZ-5 HCMW-01D AZ-11 AZ-9 WP-1B PW-M CMW-5 CMW-6 WP-1A PW-CMW-2 PW-CMW-3 PW-CMW-4 PW-N PW-WP1B

Highlighted cells indicate exceedance of cleanup levels

Results from ICP/MS analysis and Arsenic Hydride analysis

Cleanup levels and performance standards identified in Performance Monitoring Plan (Aspect, in progress) and are based as follows

³ Iron concentrations in samples collected prior to the PAZ being installed are not compared to the performance criteria. ⁴ Iron concentrations in samples collected upgradient of the PAZ are not compared to the performance criteria.

⁵ Results are for total/dissolved concentrations.

⁶ WP-1A and WP-8 were damaged by debris and not sampled during the Sept 2011 monitoring event.

⁷ Well casing was trimmed due to well monument subsidence.

⁸ Well Points WP-1A and WP-8 were not located during the December 2012 monitoring event and were presumed destroyed. These well points were replaced at the same locations on January 22, 2013. U =not detected at indicated reporting limit bold = data collected during this reporting period

Table 2 - Performance and Compliance Monitoring Schedule

Project No. 050004-008-03, Barbee Mill, Renton, WA

		Ye	ear	
Well	2017	2018	2019	2020
PAZ Compliance Wel	ls	1	1	
CMW-1	A - As, Fe	A - As, Fe	A - As, Fe	A - As, Fe
CMW-2S	A - As, Fe	A - As, Fe	A - As, Fe	A - As, Fe
CMW-2D	A - As, Fe			
CMW-3	A - As, Fe	A - As, Fe	A - As, Fe	A - As, Fe
CMW-4S	A - As, Fe			
CMW-4D	A - As, Fe	A - As, Fe	A - As, Fe	A - As, Fe
CMW-5	A - As, Fe	A - As, Fe	A - As, Fe	A - As, Fe
CMW-6	A - As, Fe			
Wells and Well Points	on Quendali	Terminais		
BH-29A	A - As, Fe			
WP-1A	A - As, Fe			
WP-8	A - As, Fe			
Groundwater Extract	on wells and	Piezometers		
EW-1	A - As, Fe ⁽²⁾			
EW-2	(4)	(4)	(4)	(4)
EW-3	A - As, Fe ⁽²⁾			
EW-4	(4)	(4)	(4)	(4)
EW-5	A - As, Fe ⁽²⁾			
EW-6	(4)	(4)	(4)	(4)
EW-7	A - As, Fe ⁽²⁾			
EW-8	A - As, Fe ⁽²⁾			
PZ-1	(3)	(3)	(3)	(3)
PZ-2	(3)	(3)	(3)	(3)

Notes:

- (1) The 'Monitoring Year' begins in September of the indicated year (i.e., the 2017 monitoring year runs from September 2017 to August 2018). As discussed in Section 5 of this report, annual monitoring is scheduled to occur in December.
- (2) Assumes pump-and-treat operation ends in August 2011 and is not restarted.
- Piezometers wil be monitored for water levels only in conjunction with site monitoring events.
- (4) When the pump-and-treat system is not operating, a subset of extraction wells will be monitored to evaluate concentrations upgradient of the PAZ.

A Annual

-- No monitoring planned

Field parameters (temperature, conductivity, pH, dissolved oxygen, ORP) and water levels collected during each monitoring event The monitoring program will be reevaluated in 2020

As Arsenic

Fe Iron

	Data	Townsetons	Specific	Dissolved	11	Ek ODD	To colo i alita
Location	Date Units	Temperature Degrees C	Conductance ms/cm	Oxygen mg/L	pH -	Eh ORP mv	Turbidity NTU
Performance Monitor		Dog.coo o	1110/0111	g/L			1110
CMW-1	5/5/2009	11.39	395	0.46	7.61	-45.0	18.8
	9/8/2009	17.00	415	0.39	7.53	-421.3	0.5
	12/23/2009	13.28	459	0.09	6.48	-77.1	9.5
	3/18/2010	12.57	546	0.09	6.65	-81.7	0.9
	6/21/2010 9/14/2010	12.95 16.20	550 508	2.16 0.19	6.36 6.24	-314.9 -26.0	2.2 1.8
	12/23/2010	13.31	473	0.19	8.06	-26.0	3.2
	3/10/2011	11.59	463	0.69	6.50	-25.1	-
	6/13/2011	12.90	446	2.18	6.51	-99.0	11.6
	9/28/2011	15.90	486	1.13	6.50	-141.6	0.6
	12/8/2011	13.90	462	1.73	6.37	-111.2	1.6
	3/6/2012	11.70	441	-	6.52	-129.0	0.4
	6/26/2012 12/13/2012	12.80 13.90	620 461	1.00 0.11	6.39 6.45	-99.5 -118.8	1.9 0.7
	6/20/2013	13.70	490	0.11	6.54	-112.2	3.7
	1/15/2014	12.50	469	0.25	6.44	-114.7	1.7
	6/25/2014	13.90	497	0.51	6.33	13.8	6.3
	12/10/2014	14.10	501	0.31	6.56	-75.3	1.2
	6/12/2015	13.50	507	0.50	6.37	-8.4	2.0
	12/29/2015	13.10	486	0.72	6.58	-72.7	2.2
	6/8/2016 12/28/2016	14.40 13.20	452 407	0.06 0.18	6.59 6.47	-61.4 -62.5	2.1
CMM/ 2C							
CMW-2S	4/30/2009 9/8/2009	12.82 16.98	250 244	0.23 0.08	8.67 8.50	-2.9 -408.1	4.9 0.5
	12/22/2009	14.38	262	0.08	7.29	-96.9	3.0
	3/19/2010	12.69	235	0.20	7.83	-163.9	0.4
	6/21/2010	13.42	303	0.46	7.42	-343.4	2.7
	9/14/2010	16.01	276	0.06	7.18	-90.5	2.1
	12/23/2010	13.85	362	0.21	8.57	-33.5	4.8
	3/11/2011	11.67	366	1.09	- 7.00	- 450.7	-
	6/13/2011 9/28/2011	12.60 15.20	419 400	1.02 0.49	7.38 7.46	-153.7 -198.3	9.7 0.4
	12/8/2011	14.80	467	0.49	7.46	-177.8	1.5
	3/6/2012	12.20	440	-	7.27	-182.8	2.6
	6/26/2012	12.80	636	0.51	7.09	-166.3	3.3
	12/13/2012	14.80	456	0.09	7.21	-187.4	1.2
	6/20/2013	13.60	454	0.07	7.28	-190.9	2.1
	1/15/2014	13.60	450	0.24	7.26	-205.7	3.7
	6/25/2014	14.30	505	0.45	7.10	-54.1	6.3
	12/10/2014 6/12/2015	14.30 13.80	471 549	0.14 0.34	7.26 7.23	-137.7 -66.5	1.5 3.0
	12/29/2015	12.80	569	0.47	7.23	-173.0	2.3
	6/8/2016	15.03	531	0.06	7.28	-152.9	
	12/29/2016	13.70	496	0.07	7.19	-166.0	2.5
CMW-2D	4/30/2009	13.99	537	0.57	7.65	-16.3	4.9
	9/8/2009	15.08	533	0.36	9.20	-394.7	2.0
	12/22/2009	13.67	491	0.26	6.89	-75.9	3.0
	3/19/2010	14.10	531	0.29	7.26	-106.9	0.5
	6/21/2010 9/14/2010	13.84 14.69	490 466	0.93 0.07	7.01 7.03	-372.3 -84.1	3.0 6.3
	12/23/2010	13.50	519	0.07	8.06	-13.8	2.5
	3/11/2011	12.95	513	-	9.00	-27.4	-
	6/13/2011	13.60	506	1.07	7.06	-90.3	-
	9/28/2011	14.00	539	0.74	7.16	-167.0	0.5
	12/8/2011	13.70	559	1.13	6.94	-122.1	1.7
	3/6/2012	13.30	576	-	7.04	-141.2	1.1
	6/26/2012	13.20	769	0.62	6.90	-112.4	3.9
	12/13/2012 6/20/2013	13.80 13.70	618 562	0.10 0.10	6.91 6.93	-123.9 -112.3	0.6 2.6
	1/15/2014	13.70	552	0.10	6.90	-112.3	7.2
	6/25/2014	14.50	578	0.47	6.78	-10.9	7.0
	12/10/2014	13.90	523	0.17	6.92	-27.6	2.6
	6/12/2015	14.40	609	0.36	6.90	-26.3	3.5
	12/29/2015	13.30	597	0.39	7.05	-94.6	3.1
	6/8/2016	15.30	591 570	0.08	6.94	-40.0	
CMM 2	12/29/2016	13.30	570	0.22	6.88	-84.7	2.4
CMW-3	4/30/2009 9/8/2009	11.88 18.72	82 66	0.13 0.65	9.67 9.40	36.8 -308.0	8.0 2.5
	12/22/2009	12.60	227	0.09	8.57	-250.0	1.6
	3/19/2010	11.45	187	-	8.50	-202.7	0.5
	6/21/2010	13.27	147	0.35	8.65	-373.0	3.0
	9/14/2010	17.33	0	0.03	7.89	-107.1	2.4
	12/23/2010	12.50	217	0.16	9.78	-89.9	3.1
	3/11/2011	9.66	260	0.81	7.40	200.5	14.0
	6/13/2011 9/28/2011	12.20 16.50	216 232	0.75 0.24	8.87 8.82	-309.5 -296.4	14.8 0.8
	12/8/2011	13.40	286	0.24	8.82	-296.4	1.8
	3/6/2012	10.00	324	-	8.34	-327.0	1.0
	6/25/2012	13.10	334	0.43	8.40	-475.2	4.2
	12/13/2012	13.70	288	0.10	8.44	-301.3	2.2
	6/20/2013	13.80	338	0.03	8.20	-282.0	2.1
	1/15/2014	11.80	490	0.22	8.21	-304.7	1.0
	6/25/2014	14.70	525	0.73	7.91	-104.2	4.3
	12/10/2014	13.90	550	0.12	7.86	-168.4	1.8
	6/12/2015	13.90	420	0.27	7.98	-131.6	23.8
		10 00	E10	A 20	フラフ	2240	
	12/29/2015 6/8/2016	12.20 14.33	512 344	0.28 0.07	7.77 7.95	-234.9 -220.0	5.9 8.0

	_	_	Specific	Dissolved			
Location	Date Units	Temperature Degrees C	Conductance ms/cm	Oxygen mg/L	pH -	Eh ORP mv	Turbidity NTU
	ring Wells (Continued)		IIIS/CIII	mg/L		1114	NIO
CMW-4S	4/30/2009	11.35	212	0.24	8.10	30.6	4.8
	9/8/2009	15.60	192	0.31	7.74	-413.2	7.8
	12/22/2009	11.82	300	0.18	6.58	-78.5	11.7
	3/19/2010	10.65	286	0.04	6.96	-73.8	4.4
	6/21/2010 9/27/2010	12.11 15.48	220 206	0.46 0.19	6.26 6.38	-367.7 -39.3	2.1 11.7
	12/23/2010	11.63	275	0.19	8.48	-42.1	2.9
	3/11/2011	9.93	308	0.76	6.80	-	-
	6/13/2011	11.40	179	1.00	6.76	-89.2	11.8
	9/28/2011	14.60	173	0.54	6.89	-170.5	10.0
	12/8/2011 3/6/2012	13.20 10.30	186 263	0.93	6.59 6.68	-106.2 -144.4	4.7 1.7
	6/25/2012	12.20	237	0.69	6.69	-458.7	4.4
	12/13/2012	13.10	254	0.15	6.60	-101.7	0.5
	6/20/2013	12.30	148	0.06	6.68	-80.7	5.2
	1/15/2014	12.10	304	0.29	6.67	-114.4	17.1
	6/25/2014 12/10/2014	13.20 14.00	209 288	0.59 0.20	6.44 6.81	31.0 -30.1	3.9 2.0
	6/12/2015	13.20	197	0.25	6.81	-60.9	4.2
	12/29/2015	12.10	429	0.25	6.97	-107.6	2.6
	6/8/2016	14.08	261	0.09	6.92	-111.8	7.3
	12/29/2016	12.80	345	0.13	6.92	-101.3	3.3
CMW-4D	4/30/2009	13.34	251	0.12	8.31	-25.7	2.5
	9/8/2009	14.54	225	0.28	8.24	-424.7	1.0
	12/22/2009 3/19/2010	12.01 12.58	353 320	0.26 0.07	6.71 7.11	-86.7 -62.6	3.5 0.6
	6/21/2010	13.00	376	0.07	6.55	-374.6	2.7
	9/27/2010	14.00	393	0.13	7.03	-78.8	6.1
	12/23/2010	12.34	326	0.20	8.42	-57.3	4.0
	3/11/2011	11.77	256	1.51	6.40	-	-
	6/13/2011	12.60	222	0.93	6.96	-93.0	7.5 3.7
	9/28/2011 12/8/2011	13.50 12.40	285 247	0.57 0.87	7.14 6.81	-164.3 -113.1	1.4
	3/6/2012	12.00	226	-	6.91	-141.0	0.8
	6/25/2012	12.50	284	0.65	6.39	-445.9	2.5
	12/13/2012	12.70	263	0.12	6.69	-88.3	0.5
	6/20/2013	12.90	197	0.06	7.02	-100.1	2.6
	1/14/2014	12.70	303	0.27	6.80	-113.7	2.2
	6/25/2014 12/10/2014	13.50 13.30	260 290	0.65 0.17	6.64 6.97	25.3 -108.9	6.1 0.7
	6/12/2015	13.50	242	0.30	7.06	-68.4	5.0
	12/29/2015	12.90	272	0.24	7.03	-91.5	3.2
	6/8/2016	13.90	237	0.04	7.00	-102.1	2.9
	12/29/2016	12.90	262	0.07	6.93	-94.5	4.2
CMW-5	5/5/2009	11.84 15.47	191 142	0.33 0.23	8.27	32.0	3.7
	9/8/2009 12/22/2009	12.54	192	0.23	9.77 6.75	-357.7 -62.3	2.5 3.1
	3/18/2010	11.84	101	0.04	7.23	-139.0	1.6
	6/21/2010	13.12	132	0.52	6.91	-395.7	3.0
	9/27/2010	17.13	169	0.07	7.95	-113.1	7.4
	12/27/2010	13.18	228	0.17	10.17	-42.2	0.8
	3/11/2011 6/14/2011	11.54 12.50	220 267	0.83 1.40	7.00	- 205.7	9.0
	9/29/2011	15.10	314	0.22	8.73 8.80	-285.7 -250.3	0.3
	12/9/2011	14.50	442	0.46	8.39	-212.6	2.0
	3/7/2012	12.31	535	0.12	7.44	-104.6	0.9
	6/25/2012	13.10	632	0.76	7.35	-292.6	1.5
	12/14/2012	14.40	464	0.13	7.24	-195.5	1.4
	6/21/2013 1/14/2014	13.10 14.20	415 475	0.08 0.21	7.41 7.30	-174.3 -195.0	3.3 3.1
	6/26/2014	13.60	486	1.14	6.70	2.8	5.1
	12/9/2014	15.70	515	0.15	7.26	-158.2	1.2
	6/12/2015	14.60	540	0.29	7.26	-84.1	4.3
	12/30/2015	13.80	439	0.81	7.12	-129.8	63.2
	6/8/2016	14.13	462	0.07	7.26	-155.7	3.5
CMW-6	12/28/2016 5/1/2009	13.60 13.03	373 439	0.22 0.14	7.46 8.74	-163.6 -50.8	1.0 1.0
OIVIVV-U	9/8/2009	15.12	439 434	0.14	7.25	-362.2	1.0
	12/23/2009	12.44	534	0.36	6.55	-78.6	1.9
	3/18/2010	12.50	618	0.51	6.69	-97.2	0.2
	6/21/2010	13.43	542	0.78	6.36	-435.9	2.0
	9/15/2010	15.30	478	0.15	7.14	-40.8	1.2
	12/27/2010 3/11/2011	12.60 12.25	533 535	0.30 1.81	9.19 6.40	-35.2	0.5
	6/14/2011	12.25	535	2.39	6.42	-51.5	9.7
	9/29/2011	14.90	500	0.73	6.53	-122.3	0.3
	12/9/2011	13.90	530	1.66	6.42	-90.8	2.0
	3/7/2012	12.49	587	0.32	6.38	-35.8	0.3
	6/25/2012	13.10	675	1.84	6.36	-104.0	0.8
	12/14/2012	14.10	523	0.16	6.39	-82.1	0.6
	6/21/2013 1/14/2014	13.50 13.60	423 544	0.16 0.44	6.49 6.44	-58.1 -73.6	2.2
	6/25/2014	13.60	494	1.43	5.90	101.8	2.3 3.5
	12/10/2014	14.70	<u>494</u> 515	0.35	6.54	-29.6	0.5
				0.46			1.0
	6/11/2015	16.10	498	0.40	6.53	-68.3	1.0
	12/30/2015	14.00	485	0.54	6.66	-58.6	0.7

Location	Date Units	Temperature Degrees C	Specific Conductance ms/cm	Dissolved Oxygen mg/L	рН	Eh ORP	Turbidity NTU
Performance Monitori		Dogroes O	morom	mg/L		1118	1410
WP-1A	5/1/2009	12.90	259	0.40	7.95	-200.9	3.8
	9/9/2009	20.77	137	1.02	7.52	-339.0	9.3
	12/22/2009	6.84	241	0.21	6.45	-7.3	13.2
	3/18/2010	8.76	370	0.22	6.68	-101.7	33.9
	6/22/2010	16.74	275	0.50	6.63	-262.9	5.6
	9/14/2010	19.23	143	0.35	7.09	-90.9	-
	12/27/2010	7.28	289	0.41	10.62	28.2	-
	3/11/2011	7.75	149	4.34	7.20	2.9	8.1
	6/13/2011 9/28/2011	16.20 17.10	232 102	0.93 5.09	6.69 7.07	-111.8 -21.3	7.4 4.0
	12/8/2011	7.00	147	5.71	6.54	-9.0	6.8
	3/6/2012	6.80	144	32.55	6.11	-49.2	68.6
	6/26/2012	16.00	654	0.47	6.54	-160.0	1.5
	1/22/2013	4.80	312	0.20	5.96	78.9	35.7
	6/20/2013	18.00	115	0.11	6.73	-73.3	2.8
	1/14/2014	7.50	239	0.25	6.53	-2.8	5.3
	6/25/2014	19.80	152	0.71	6.25	43.4	3.5
	12/10/2014	10.60	191	0.66	6.73	-3.5	6.6
	6/11/2015	21.90	123	0.62	6.83	-55.1	1.0
	12/29/2015	7.00	274	0.39	6.79	-37.2	7.5
	6/8/2016	21.24	104 355	0.89	7.13	41.8	4.5 1.6
WP-8	12/29/2016 5/1/2009	6.40 13.58	182	0.09 0.99	6.78 8.45	-15.9 -272.9	3.4
VVP-8	9/8/2009	21.12	177	2.94	7.34	-272.9	10.7
	12/22/2009	6.90	270	0.43	6.42	-306.0	33.6
	3/18/2010	9.15	213	1.48	6.68	-73.3 -88.9	33.6
	6/22/2010	16.42	170	2.50	6.32	-259.2	9.7
	9/14/2010	19.52	209	0.49	6.44	-52.1	3.4
	12/27/2010	6.72	275	0.34	11.02	29.7	1.2
	3/11/2011	7.06	288	2.36	7.28	-29.0	4.8
	6/13/2011	16.20	230	0.32	6.49	-71.3	8.8
	9/28/2011	-	-	-	-	-	-
	12/8/2011	6.90	278	1.56	6.53	-81.2	5.6
	3/6/2012	6.20	329	-	6.31	-96.4	5.5
	6/26/2012	16.10	491	0.22	6.37	-107.0	9.0
	1/22/2013	5.90	350	0.79	6.26	7.5	-
	6/20/2013 1/14/2014	17.10 8.40	374 405	0.12 0.71	6.65 6.52	-88.9 -82.9	2.0 9.8
	6/25/2014	19.60	427	0.75	6.15	10.4	2.2
	12/10/2014	14.00	406	0.73	6.72	-58.7	2.2
			444	0.50		-43.1	1.6
	6/11/2015	// hu		บวบ	n n4		1.0
	6/11/2015 12/29/2015	22.60 7.40			6.64 6.81		4.6
	12/29/2015	7.40	435	0.50	6.81	-67.1	4.6 1.7
							4.6 1.7 1.5
Extraction Wells	12/29/2015 6/8/2016	7.40 20.36 6.90	435 378	0.50 0.18	6.81 6.78	-67.1 -80.0	1.7
	12/29/2015 6/8/2016 12/29/2016	7.40 20.36 6.90	435 378 409 236	0.50 0.18 0.16	6.81 6.78 6.77	-67.1 -80.0 -63.5	1.7
	12/29/2015 6/8/2016 12/29/2016 9/9/2009 12/23/2009	7.40 20.36 6.90 18.70 14.97	435 378 409 236 352	0.50 0.18 0.16 10.16 0.05	6.81 6.78 6.77 6.67 6.35	-67.1 -80.0 -63.5 -119.3 -58.1	1.7 1.5
Extraction Wells EW-1	12/29/2015 6/8/2016 12/29/2016 9/9/2009 12/23/2009 3/19/2010	7.40 20.36 6.90 18.70 14.97 12.61	435 378 409 236 352 399	0.50 0.18 0.16 10.16 0.05 0.60	6.81 6.78 6.77 6.67 6.35 6.86	-67.1 -80.0 -63.5 -119.3 -58.1 -72.8	1.7 1.5
	12/29/2015 6/8/2016 12/29/2016 9/9/2009 12/23/2009 3/19/2010 6/22/2010	7.40 20.36 6.90 18.70 14.97 12.61 14.62	435 378 409 236 352 399 328	0.50 0.18 0.16 10.16 0.05 0.60 0.85	6.81 6.78 6.77 6.67 6.35 6.86 6.27	-67.1 -80.0 -63.5 -119.3 -58.1 -72.8 -440.8	1.7 1.5
	12/29/2015 6/8/2016 12/29/2016 9/9/2009 12/23/2009 3/19/2010 6/22/2010 9/15/2010	7.40 20.36 6.90 18.70 14.97 12.61 14.62 16.70	435 378 409 236 352 399 328 338	0.50 0.18 0.16 10.16 0.05 0.60 0.85 0.26	6.81 6.78 6.77 6.67 6.35 6.86 6.27 6.10	-67.1 -80.0 -63.5 -119.3 -58.1 -72.8 -440.8 -15.2	1.7 1.5
	12/29/2015 6/8/2016 12/29/2016 9/9/2009 12/23/2009 3/19/2010 6/22/2010 9/15/2010 12/27/2010	7.40 20.36 6.90 18.70 14.97 12.61 14.62 16.70 13.61	435 378 409 236 352 399 328 338 301	0.50 0.18 0.16 10.16 0.05 0.60 0.85 0.26 0.17	6.81 6.78 6.77 6.67 6.35 6.86 6.27 6.10 8.90	-67.1 -80.0 -63.5 -119.3 -58.1 -72.8 -440.8 -15.2 -25.0	1.7 1.5
	12/29/2015 6/8/2016 12/29/2016 9/9/2009 12/23/2009 3/19/2010 6/22/2010 9/15/2010 12/27/2010 3/11/2011	7.40 20.36 6.90 18.70 14.97 12.61 14.62 16.70 13.61 11.82	435 378 409 236 352 399 328 338 301 317	0.50 0.18 0.16 10.16 0.05 0.60 0.85 0.26 0.17 0.49	6.81 6.78 6.77 6.67 6.35 6.86 6.27 6.10 8.90 7.09	-67.1 -80.0 -63.5 -119.3 -58.1 -72.8 -440.8 -15.2 -25.0 -9.9	1.7 1.5
	12/29/2015 6/8/2016 12/29/2016 9/9/2009 12/23/2009 3/19/2010 6/22/2010 9/15/2010 12/27/2010 3/11/2011 6/14/2011	7.40 20.36 6.90 18.70 14.97 12.61 14.62 16.70 13.61 11.82 13.90	435 378 409 236 352 399 328 338 301 317 319	0.50 0.18 0.16 10.16 0.05 0.60 0.85 0.26 0.17 0.49 2.03	6.81 6.78 6.77 6.67 6.35 6.86 6.27 6.10 8.90 7.09 6.55	-67.1 -80.0 -63.5 -119.3 -58.1 -72.8 -440.8 -15.2 -25.0 -9.9 -80.5	1.7 1.5 - - 4.5 - 4.3 82.1
	12/29/2015 6/8/2016 12/29/2016 9/9/2009 12/23/2009 3/19/2010 6/22/2010 9/15/2010 12/27/2010 3/11/2011	7.40 20.36 6.90 18.70 14.97 12.61 14.62 16.70 13.61 11.82	435 378 409 236 352 399 328 338 301 317	0.50 0.18 0.16 10.16 0.05 0.60 0.85 0.26 0.17 0.49	6.81 6.78 6.77 6.67 6.35 6.86 6.27 6.10 8.90 7.09	-67.1 -80.0 -63.5 -119.3 -58.1 -72.8 -440.8 -15.2 -25.0 -9.9	1.7 1.5
	12/29/2015 6/8/2016 12/29/2016 9/9/2009 12/23/2009 3/19/2010 6/22/2010 9/15/2010 12/27/2010 3/11/2011 6/14/2011 9/29/2011	7.40 20.36 6.90 18.70 14.97 12.61 14.62 16.70 13.61 11.82 13.90 17.80	435 378 409 236 352 399 328 338 301 317 319 282	0.50 0.18 0.16 10.16 0.05 0.60 0.85 0.26 0.17 0.49 2.03 0.55	6.81 6.78 6.77 6.67 6.35 6.86 6.27 6.10 8.90 7.09 6.55 6.49	-67.1 -80.0 -63.5 -119.3 -58.1 -72.8 -440.8 -15.2 -25.0 -9.9 -80.5 -143.9	1.7 1.5 - - 4.5 - 4.3 82.1 8.5
	12/29/2015 6/8/2016 12/29/2016 9/9/2009 12/23/2009 3/19/2010 6/22/2010 9/15/2010 12/27/2010 3/11/2011 6/14/2011 9/29/2011 12/9/2011 3/7/2012 6/26/2012	7.40 20.36 6.90 18.70 14.97 12.61 14.62 16.70 13.61 11.82 13.90 17.80 14.40 11.60 14.90	435 378 409 236 352 399 328 338 301 317 319 282 315 335 457	0.50 0.18 0.16 10.16 0.05 0.60 0.85 0.26 0.17 0.49 2.03 0.55 1.24 0.96 0.75	6.81 6.78 6.77 6.67 6.35 6.86 6.27 6.10 8.90 7.09 6.55 6.49 6.36 5.54 6.34	-67.1 -80.0 -63.5 -119.3 -58.1 -72.8 -440.8 -15.2 -25.0 -9.9 -80.5 -143.9 -75.5 22.1 -120.2	1.7 1.5 - - 4.5 - 4.3 82.1 8.5 12.9 6.3 4.0
	12/29/2015 6/8/2016 12/29/2016 9/9/2009 12/23/2009 3/19/2010 6/22/2010 9/15/2010 12/27/2010 3/11/2011 6/14/2011 9/29/2011 12/9/2011 3/7/2012 6/26/2012 12/14/2012	7.40 20.36 6.90 18.70 14.97 12.61 14.62 16.70 13.61 11.82 13.90 17.80 14.40 11.60 14.90 14.50	435 378 409 236 352 399 328 338 301 317 319 282 315 335 457 354	0.50 0.18 0.16 10.16 10.16 0.05 0.60 0.85 0.26 0.17 0.49 2.03 0.55 1.24 0.96 0.75 0.12	6.81 6.78 6.77 6.67 6.35 6.86 6.27 6.10 8.90 7.09 6.55 6.49 6.36 5.54 6.34 6.32	-67.1 -80.0 -63.5 -119.3 -58.1 -72.8 -440.8 -15.2 -25.0 -9.9 -80.5 -143.9 -75.5 22.1 -120.2 -87.1	1.7 1.5 - - 4.5 - 4.3 82.1 8.5 12.9 6.3 4.0 2.7
	12/29/2015 6/8/2016 12/29/2016 9/9/2009 12/23/2009 3/19/2010 6/22/2010 9/15/2010 12/27/2010 3/11/2011 6/14/2011 9/29/2011 12/9/2011 3/7/2012 6/26/2012 12/14/2012 6/21/2013	7.40 20.36 6.90 18.70 14.97 12.61 14.62 16.70 13.61 11.82 13.90 17.80 14.40 11.60 14.90 14.50 14.80	435 378 409 236 352 399 328 338 301 317 319 282 315 335 457 354	0.50 0.18 0.16 10.16 10.16 0.05 0.60 0.85 0.26 0.17 0.49 2.03 0.55 1.24 0.96 0.75 0.12 0.06	6.81 6.78 6.77 6.67 6.35 6.86 6.27 6.10 8.90 7.09 6.55 6.49 6.36 5.54 6.34 6.32 6.51	-67.1 -80.0 -63.5 -119.3 -58.1 -72.8 -440.8 -15.2 -25.0 -9.9 -80.5 -143.9 -75.5 22.1 -120.2 -87.1 -97.9	1.7 1.5 - - 4.5 - - 4.3 82.1 8.5 12.9 6.3 4.0 2.7 3.4
	12/29/2015 6/8/2016 12/29/2016 9/9/2009 12/23/2009 3/19/2010 6/22/2010 9/15/2010 12/27/2010 3/11/2011 6/14/2011 9/29/2011 12/9/2011 3/7/2012 6/26/2012 12/14/2012 6/21/2013 1/14/2014	7.40 20.36 6.90 18.70 14.97 12.61 14.62 16.70 13.61 11.82 13.90 17.80 14.40 11.60 14.90 14.50 14.80 13.00	435 378 409 236 352 399 328 338 301 317 319 282 315 335 457 354 357 349	0.50 0.18 0.16 10.16 10.16 0.05 0.60 0.85 0.26 0.17 0.49 2.03 0.55 1.24 0.96 0.75 0.12 0.06 0.27	6.81 6.78 6.77 6.67 6.35 6.86 6.27 6.10 8.90 7.09 6.55 6.49 6.36 5.54 6.34 6.32 6.51 6.41	-67.1 -80.0 -63.5 -119.3 -58.1 -72.8 -440.8 -15.2 -25.0 -9.9 -80.5 -143.9 -75.5 22.1 -120.2 -87.1 -97.9 -64.1	1.7 1.5 - - 4.5 - 4.3 82.1 8.5 12.9 6.3 4.0 2.7 3.4
	12/29/2015 6/8/2016 12/29/2016 9/9/2009 12/23/2009 3/19/2010 6/22/2010 9/15/2010 12/27/2010 3/11/2011 6/14/2011 9/29/2011 12/9/2011 3/7/2012 6/26/2012 12/14/2012 6/21/2013 1/14/2014 6/26/2014	7.40 20.36 6.90 18.70 14.97 12.61 14.62 16.70 13.61 11.82 13.90 17.80 14.40 11.60 14.90 14.50 14.80 13.00 15.40	435 378 409 236 352 399 328 338 301 317 319 282 315 335 457 354 357 349 390	0.50 0.18 0.16 10.16 10.16 0.05 0.60 0.85 0.26 0.17 0.49 2.03 0.55 1.24 0.96 0.75 0.12 0.06 0.27 0.71	6.81 6.78 6.77 6.67 6.35 6.86 6.27 6.10 8.90 7.09 6.55 6.49 6.36 5.54 6.34 6.32 6.51 6.41 6.17	-67.1 -80.0 -63.5 -119.3 -58.1 -72.8 -440.8 -15.2 -25.0 -9.9 -80.5 -143.9 -75.5 22.1 -120.2 -87.1 -97.9 -64.1 52.6	1.7 1.5 - - 4.5 - 4.3 82.1 8.5 12.9 6.3 4.0 2.7 3.4 7.3
	12/29/2015 6/8/2016 12/29/2016 9/9/2009 12/23/2009 3/19/2010 6/22/2010 9/15/2010 12/27/2010 3/11/2011 6/14/2011 9/29/2011 12/9/2011 3/7/2012 6/26/2012 12/14/2012 6/21/2013 1/14/2014 6/26/2014 12/9/2014	7.40 20.36 6.90 18.70 14.97 12.61 14.62 16.70 13.61 11.82 13.90 17.80 14.40 11.60 14.90 14.50 14.80 13.00 15.40 15.30	435 378 409 236 352 399 328 338 301 317 319 282 315 335 457 354 357 349 390 329	0.50 0.18 0.16 10.16 10.16 0.05 0.60 0.85 0.26 0.17 0.49 2.03 0.55 1.24 0.96 0.75 0.12 0.06 0.27 0.71 0.17	6.81 6.78 6.77 6.67 6.35 6.86 6.27 6.10 8.90 7.09 6.55 6.49 6.36 5.54 6.34 6.32 6.51 6.41 6.17 6.50	-67.1 -80.0 -63.5 -119.3 -58.1 -72.8 -440.8 -15.2 -25.0 -9.9 -80.5 -143.9 -75.5 22.1 -120.2 -87.1 -97.9 -64.1 52.6 -54.2	1.7 1.5 - - 4.5 - 4.3 82.1 8.5 12.9 6.3 4.0 2.7 3.4 7.3 2.3
	12/29/2015 6/8/2016 12/29/2016 9/9/2009 12/23/2009 3/19/2010 6/22/2010 9/15/2010 12/27/2010 3/11/2011 6/14/2011 9/29/2011 12/9/2011 3/7/2012 6/26/2012 12/14/2012 6/21/2013 1/14/2014 6/26/2014 12/9/2014 6/11/2015	7.40 20.36 6.90 18.70 14.97 12.61 14.62 16.70 13.61 11.82 13.90 17.80 14.40 11.60 14.90 14.50 14.80 13.00 15.40 15.30 15.40	435 378 409 236 352 399 328 338 301 317 319 282 315 335 457 354 357 349 390 329 382	0.50 0.18 0.16 10.16 10.16 0.05 0.60 0.85 0.26 0.17 0.49 2.03 0.55 1.24 0.96 0.75 0.12 0.06 0.27 0.71 0.17 0.52	6.81 6.78 6.77 6.67 6.35 6.86 6.27 6.10 8.90 7.09 6.55 6.49 6.36 5.54 6.34 6.32 6.51 6.41 6.17 6.50 6.44	-67.1 -80.0 -63.5 -119.3 -58.1 -72.8 -440.8 -15.2 -25.0 -9.9 -80.5 -143.9 -75.5 22.1 -120.2 -87.1 -97.9 -64.1 52.6 -54.2 -42.7	1.7 1.5 - - 4.5 - 4.3 82.1 8.5 12.9 6.3 4.0 2.7 3.4 7.3 2.3 4.1
	12/29/2015 6/8/2016 12/29/2016 9/9/2009 12/23/2009 3/19/2010 6/22/2010 9/15/2010 12/27/2010 3/11/2011 6/14/2011 9/29/2011 12/9/2011 3/7/2012 6/26/2012 12/14/2012 6/21/2013 1/14/2014 6/26/2014 12/9/2014 6/11/2015 12/30/2015	7.40 20.36 6.90 18.70 14.97 12.61 14.62 16.70 13.61 11.82 13.90 17.80 14.40 11.60 14.90 14.50 14.80 13.00 15.40 15.30 15.40 14.30	435 378 409 236 352 399 328 338 301 317 319 282 315 335 457 354 357 349 390 329 382 315	0.50 0.18 0.16 10.16 10.16 0.05 0.60 0.85 0.26 0.17 0.49 2.03 0.55 1.24 0.96 0.75 0.12 0.06 0.27 0.71 0.17 0.52 0.22	6.81 6.78 6.77 6.67 6.35 6.86 6.27 6.10 8.90 7.09 6.55 6.49 6.36 5.54 6.32 6.51 6.41 6.17 6.50 6.44 6.71	-67.1 -80.0 -63.5 -119.3 -58.1 -72.8 -440.8 -15.2 -25.0 -9.9 -80.5 -143.9 -75.5 22.1 -120.2 -87.1 -97.9 -64.1 52.6 -54.2 -42.7 -69.6	1.7 1.5 - - 4.5 - 4.3 82.1 8.5 12.9 6.3 4.0 2.7 3.4 7.3 2.3 4.1 44.2
	12/29/2015 6/8/2016 12/29/2016 9/9/2009 12/23/2009 3/19/2010 6/22/2010 9/15/2010 12/27/2010 3/11/2011 6/14/2011 9/29/2011 12/9/2011 3/7/2012 6/26/2012 12/14/2012 6/21/2013 1/14/2014 6/26/2014 12/9/2014 6/11/2015 12/30/2015 6/9/2016	7.40 20.36 6.90 18.70 14.97 12.61 14.62 16.70 13.61 11.82 13.90 17.80 14.40 11.60 14.50 14.80 13.00 15.40 15.30 15.40 14.30 15.57	435 378 409 236 352 399 328 338 301 317 319 282 315 335 457 354 357 349 390 329 382 315 373	0.50 0.18 0.16 10.16 0.05 0.60 0.85 0.26 0.17 0.49 2.03 0.55 1.24 0.96 0.75 0.12 0.06 0.27 0.71 0.17 0.52 0.22 0.10	6.81 6.78 6.77 6.67 6.35 6.86 6.27 6.10 8.90 7.09 6.55 6.49 6.36 5.54 6.32 6.51 6.41 6.17 6.50 6.44 6.71 6.48	-67.1 -80.0 -63.5 -119.3 -58.1 -72.8 -440.8 -15.2 -25.0 -9.9 -80.5 -143.9 -75.5 22.1 -120.2 -87.1 -97.9 -64.1 52.6 -54.2 -42.7 -69.6 -73.5	1.7 1.5 - - 4.5 - 4.3 82.1 8.5 12.9 6.3 4.0 2.7 3.4 7.3 2.3 4.1 44.2 19.6
EW-1	12/29/2015 6/8/2016 12/29/2016 9/9/2009 12/23/2009 3/19/2010 6/22/2010 9/15/2010 12/27/2010 3/11/2011 6/14/2011 9/29/2011 12/9/2011 3/7/2012 6/26/2012 12/14/2012 6/21/2013 1/14/2014 6/26/2014 12/9/2014 6/11/2015 12/30/2015 6/9/2016	7.40 20.36 6.90 18.70 14.97 12.61 14.62 16.70 13.61 11.82 13.90 17.80 14.40 11.60 14.90 14.50 14.80 13.00 15.40 15.30 15.40 14.30 15.57 13.90	435 378 409 236 352 399 328 338 301 317 319 282 315 335 457 354 357 349 390 329 382 315 373 284	0.50 0.18 0.16 10.16 0.05 0.60 0.85 0.26 0.17 0.49 2.03 0.55 1.24 0.96 0.75 0.12 0.06 0.27 0.71 0.17 0.52 0.22 0.10 0.11	6.81 6.78 6.77 6.67 6.35 6.86 6.27 6.10 8.90 7.09 6.55 6.49 6.36 5.54 6.34 6.32 6.51 6.41 6.17 6.50 6.44 6.71 6.48 6.54	-67.1 -80.0 -63.5 -119.3 -58.1 -72.8 -440.8 -15.2 -25.0 -9.9 -80.5 -143.9 -75.5 22.1 -120.2 -87.1 -97.9 -64.1 52.6 -54.2 -42.7 -69.6 -73.5 -53.0	1.7 1.5 - - 4.5 - 4.3 82.1 8.5 12.9 6.3 4.0 2.7 3.4 7.3 2.3 4.1 44.2
EW-1	12/29/2015 6/8/2016 12/29/2016 9/9/2009 12/23/2009 3/19/2010 6/22/2010 9/15/2010 12/27/2010 3/11/2011 6/14/2011 9/29/2011 12/9/2011 3/7/2012 6/26/2012 12/14/2012 6/21/2013 1/14/2014 6/26/2014 12/9/2014 6/11/2015 12/30/2015 6/9/2016 9/9/2009	7.40 20.36 6.90 18.70 14.97 12.61 14.62 16.70 13.61 11.82 13.90 17.80 14.40 11.60 14.90 14.50 14.80 13.00 15.40 15.30 15.40 14.30 15.57 13.90 18.58	435 378 409 236 352 399 328 338 301 317 319 282 315 335 457 354 357 349 390 329 382 315 373 284 273	0.50 0.18 0.16 10.16 0.05 0.60 0.85 0.26 0.17 0.49 2.03 0.55 1.24 0.96 0.75 0.12 0.06 0.27 0.71 0.17 0.52 0.22 0.10 0.11 9.65	6.81 6.78 6.77 6.67 6.35 6.86 6.27 6.10 8.90 7.09 6.55 6.49 6.36 5.54 6.34 6.32 6.51 6.41 6.17 6.50 6.44 6.71 6.48 6.54 5.85	-67.1 -80.0 -63.5 -119.3 -58.1 -72.8 -440.8 -15.2 -25.0 -9.9 -80.5 -143.9 -75.5 22.1 -120.2 -87.1 -97.9 -64.1 52.6 -54.2 -42.7 -69.6 -73.5 -53.0 -138.4	1.7 1.5 - - 4.5 - 4.3 82.1 8.5 12.9 6.3 4.0 2.7 3.4 3.4 7.3 2.3 4.1 44.2 19.6 1.9
EW-1	12/29/2015 6/8/2016 12/29/2016 9/9/2009 12/23/2009 3/19/2010 6/22/2010 9/15/2010 12/27/2010 3/11/2011 6/14/2011 9/29/2011 12/9/2011 3/7/2012 6/26/2012 12/14/2012 6/21/2013 1/14/2014 6/26/2014 12/9/2014 6/11/2015 12/30/2015 6/9/2016 9/9/2009 12/23/2009	7.40 20.36 6.90 18.70 14.97 12.61 14.62 16.70 13.61 11.82 13.90 17.80 14.40 11.60 14.90 14.50 14.80 13.00 15.40 15.30 15.40 14.30 15.57 13.90 18.58 14.94	435 378 409 236 352 399 328 338 301 317 319 282 315 335 457 354 357 349 390 329 382 315 373 284 273 362	0.50 0.18 0.16 10.16 0.05 0.60 0.85 0.26 0.17 0.49 2.03 0.55 1.24 0.96 0.75 0.12 0.06 0.27 0.71 0.17 0.52 0.22 0.10 0.11 9.65 0.04	6.81 6.78 6.77 6.67 6.35 6.86 6.27 6.10 8.90 7.09 6.55 6.49 6.36 5.54 6.34 6.32 6.51 6.41 6.17 6.50 6.44 6.71 6.48 6.54 5.85 6.40	-67.1 -80.0 -63.5 -119.3 -58.1 -72.8 -440.8 -15.2 -25.0 -9.9 -80.5 -143.9 -75.5 22.1 -120.2 -87.1 -97.9 -64.1 52.6 -54.2 -42.7 -69.6 -73.5 -53.0 -138.4 -56.8	1.7 1.5 - - 4.5 - - 4.3 82.1 8.5 12.9 6.3 4.0 2.7 3.4 7.3 2.3 4.1 44.2 19.6
EW-1	12/29/2015 6/8/2016 12/29/2016 9/9/2009 12/23/2009 3/19/2010 6/22/2010 9/15/2010 12/27/2010 3/11/2011 6/14/2011 9/29/2011 12/9/2011 3/7/2012 6/26/2012 12/14/2012 6/21/2013 1/14/2014 6/26/2014 12/9/2014 6/11/2015 12/30/2015 6/9/2016 9/9/2009 12/23/2009 3/19/2010	7.40 20.36 6.90 18.70 14.97 12.61 14.62 16.70 13.61 11.82 13.90 17.80 14.40 11.60 14.90 14.50 14.80 13.00 15.40 15.30 15.40 14.30 15.57 13.90 18.58	435 378 409 236 352 399 328 338 301 317 319 282 315 335 457 354 357 349 390 329 382 315 373 284 273	0.50 0.18 0.16 10.16 0.05 0.60 0.85 0.26 0.17 0.49 2.03 0.55 1.24 0.96 0.75 0.12 0.06 0.27 0.71 0.17 0.52 0.22 0.10 0.11 9.65	6.81 6.78 6.77 6.67 6.35 6.86 6.27 6.10 8.90 7.09 6.55 6.49 6.36 5.54 6.34 6.32 6.51 6.41 6.17 6.50 6.44 6.71 6.48 6.54 5.85	-67.1 -80.0 -63.5 -119.3 -58.1 -72.8 -440.8 -15.2 -25.0 -9.9 -80.5 -143.9 -75.5 22.1 -120.2 -87.1 -97.9 -64.1 52.6 -54.2 -42.7 -69.6 -73.5 -53.0 -138.4	1.7 1.5 - - 4.5 - 4.3 82.1 8.5 12.9 6.3 4.0 2.7 3.4 3.4 7.3 2.3 4.1 44.2 19.6 1.9
EW-1	12/29/2015 6/8/2016 12/29/2016 9/9/2009 12/23/2009 3/19/2010 6/22/2010 9/15/2010 12/27/2010 3/11/2011 6/14/2011 9/29/2011 12/9/2011 3/7/2012 6/26/2012 12/14/2012 6/21/2013 1/14/2014 6/26/2014 12/9/2014 6/11/2015 12/30/2015 6/9/2016 9/9/2009 12/23/2009	7.40 20.36 6.90 18.70 14.97 12.61 14.62 16.70 13.61 11.82 13.90 17.80 14.40 11.60 14.90 14.50 14.80 13.00 15.40 15.30 15.40 14.30 15.57 13.90 18.58 14.94 13.07	435 378 409 236 352 399 328 338 301 317 319 282 315 335 457 354 357 349 390 329 382 315 373 284 273 362 417	0.50 0.18 0.16 10.16 0.05 0.60 0.85 0.26 0.17 0.49 2.03 0.55 1.24 0.96 0.75 0.12 0.06 0.27 0.71 0.17 0.52 0.22 0.10 0.11 9.65 0.04 0.66	6.81 6.78 6.77 6.67 6.35 6.86 6.27 6.10 8.90 7.09 6.55 6.49 6.36 5.54 6.34 6.32 6.51 6.41 6.17 6.50 6.44 6.71 6.48 6.54 5.85 6.40 6.89	-67.1 -80.0 -63.5 -119.3 -58.1 -72.8 -440.8 -15.2 -25.0 -9.9 -80.5 -143.9 -75.5 22.1 -120.2 -87.1 -97.9 -64.1 52.6 -54.2 -42.7 -69.6 -73.5 -53.0 -138.4 -56.8 -72.8	1.7 1.5 - - 4.5 - 4.3 82.1 8.5 12.9 6.3 4.0 2.7 3.4 7.3 2.3 4.1 44.2 19.6 1.9
EW-1	12/29/2015 6/8/2016 12/29/2016 9/9/2009 12/23/2009 3/19/2010 6/22/2010 9/15/2010 12/27/2010 3/11/2011 6/14/2011 9/29/2011 12/9/2011 3/7/2012 6/26/2012 12/14/2012 6/26/2012 12/14/2014 6/26/2014 12/9/2014 6/11/2015 12/30/2015 6/9/2016 9/9/2009 12/23/2009 3/19/2010 6/22/2010	7.40 20.36 6.90 18.70 14.97 12.61 14.62 16.70 13.61 11.82 13.90 17.80 14.40 11.60 14.90 14.50 14.80 13.00 15.40 15.30 15.40 14.30 15.57 13.90 18.58 14.94 13.07 16.06	435 378 409 236 352 399 328 338 301 317 319 282 315 335 457 354 357 349 390 329 382 315 373 284 273 362 417 279	0.50 0.18 0.16 10.16 0.05 0.60 0.85 0.26 0.17 0.49 2.03 0.55 1.24 0.96 0.75 0.12 0.06 0.27 0.71 0.17 0.52 0.22 0.10 0.11 9.65 0.04 0.66 0.27	6.81 6.78 6.77 6.67 6.35 6.86 6.27 6.10 8.90 7.09 6.55 6.49 6.36 5.54 6.34 6.32 6.51 6.41 6.17 6.50 6.44 6.71 6.48 6.54 5.85 6.40 6.89 6.39	-67.1 -80.0 -63.5 -119.3 -58.1 -72.8 -440.8 -15.2 -25.0 -9.9 -80.5 -143.9 -75.5 22.1 -120.2 -87.1 -97.9 -64.1 52.6 -54.2 -42.7 -69.6 -73.5 -53.0 -138.4 -56.8 -72.8 -323.7	1.7 1.5 - - 4.5 - 4.3 82.1 8.5 12.9 6.3 4.0 2.7 3.4 3.4 7.3 2.3 4.1 44.2 19.6 1.9 - -
EW-1	12/29/2015 6/8/2016 12/29/2016 9/9/2009 12/23/2009 3/19/2010 6/22/2010 9/15/2010 12/27/2010 3/11/2011 6/14/2011 9/29/2011 12/9/2011 3/7/2012 6/26/2012 12/14/2012 6/21/2013 1/14/2014 6/26/2014 12/9/2014 12/9/2016 12/29/2016 9/9/2009 12/23/2009 3/19/2010 6/22/2010 9/15/2010	7.40 20.36 6.90 18.70 14.97 12.61 14.62 16.70 13.61 11.82 13.90 17.80 14.40 11.60 14.90 14.50 14.80 13.00 15.40 15.30 15.40 14.30 15.57 13.90 18.58 14.94 13.07 16.06 17.50	435 378 409 236 352 399 328 338 301 317 319 282 315 335 457 354 357 349 390 329 382 315 373 284 273 362 417 279 416	0.50 0.18 0.16 10.16 0.05 0.60 0.85 0.26 0.17 0.49 2.03 0.55 1.24 0.96 0.75 0.12 0.06 0.27 0.71 0.17 0.52 0.22 0.10 0.11 9.65 0.04 0.66 0.27 0.18	6.81 6.78 6.77 6.67 6.35 6.86 6.27 6.10 8.90 7.09 6.55 6.49 6.36 5.54 6.34 6.32 6.51 6.41 6.17 6.50 6.44 6.71 6.48 6.54 5.85 6.40 6.89 6.39 6.39 6.42	-67.1 -80.0 -63.5 -119.3 -58.1 -72.8 -440.8 -15.2 -25.0 -9.9 -80.5 -143.9 -75.5 22.1 -120.2 -87.1 -97.9 -64.1 52.6 -54.2 -42.7 -69.6 -73.5 -53.0 -138.4 -56.8 -72.8 -323.7 -68.1	1.7 1.5 - - 4.5 - 4.3 82.1 8.5 12.9 6.3 4.0 2.7 3.4 3.4 7.3 2.3 4.1 44.2 19.6 1.9 - -
EW-1	12/29/2015 6/8/2016 12/29/2016 9/9/2009 12/23/2009 3/19/2010 6/22/2010 9/15/2010 12/27/2010 3/11/2011 6/14/2011 9/29/2011 12/9/2011 3/7/2012 6/26/2012 12/14/2012 6/21/2013 1/14/2014 6/26/2014 12/9/2014 6/11/2015 12/30/2015 6/9/2016 9/9/2009 12/23/2009 3/19/2010 6/22/2010 9/15/2010 3/11/2011 6/14/2011	7.40 20.36 6.90 18.70 14.97 12.61 14.62 16.70 13.61 11.82 13.90 17.80 14.40 11.60 14.90 14.50 14.80 13.00 15.40 15.30 15.40 14.30 15.57 13.90 18.58 14.94 13.07 16.06 17.50 12.32	435 378 409 236 352 399 328 338 301 317 319 282 315 335 457 354 357 349 390 329 382 315 373 284 273 362 417 279 416 321 264 356	0.50 0.18 0.16 10.16 0.05 0.60 0.85 0.26 0.17 0.49 2.03 0.55 1.24 0.96 0.75 0.12 0.06 0.27 0.71 0.17 0.52 0.22 0.10 0.11 9.65 0.04 0.66 0.27 0.18 0.27 0.18 0.21 0.40 2.10	6.81 6.78 6.77 6.67 6.35 6.86 6.27 6.10 8.90 7.09 6.55 6.49 6.36 5.54 6.34 6.32 6.51 6.41 6.17 6.50 6.44 6.71 6.48 6.54 5.85 6.40 6.89 6.39 6.39 6.40 6.54 6.54 6.54 6.54 6.54 6.54 6.54 6.55 6.40 6.55 6.40 6.55 6.41 6.50 6.41 6.50 6.41 6.50 6.42 6.50 6.43 6.50 6.44 6.71 6.50 6.44 6.71 6.86 6.86 6.86 6.86 6.86 6.86 6.87 6.86 6.86	-67.1 -80.0 -63.5 -119.3 -58.1 -72.8 -440.8 -15.2 -25.0 -9.9 -80.5 -143.9 -75.5 22.1 -120.2 -87.1 -97.9 -64.1 52.6 -54.2 -42.7 -69.6 -73.5 -53.0 -138.4 -56.8 -72.8 -323.7 -68.1 -36.2 -52.4 -77.5	1.7 1.5 - - 4.5 - 4.3 82.1 8.5 12.9 6.3 4.0 2.7 3.4 7.3 2.3 4.1 44.2 19.6 1.9 - - - - - - - - - - - - -
EW-1	12/29/2015 6/8/2016 12/29/2016 9/9/2009 12/23/2009 3/19/2010 6/22/2010 9/15/2010 12/27/2010 3/11/2011 6/14/2011 9/29/2011 12/9/2011 3/7/2012 6/26/2012 12/14/2012 6/21/2013 1/14/2014 6/26/2014 12/9/2014 6/11/2015 12/30/2015 6/9/2016 12/29/2016 9/9/2009 12/23/2009 3/19/2010 6/22/2010 9/15/2010 12/27/2010 3/11/2011 6/14/2011	7.40 20.36 6.90 18.70 14.97 12.61 14.62 16.70 13.61 11.82 13.90 17.80 14.40 11.60 14.90 14.50 14.80 13.00 15.40 15.30 15.40 14.30 15.57 13.90 18.58 14.94 13.07 16.06 17.50 12.32 9.88 14.20 20.40	435 378 409 236 352 399 328 338 301 317 319 282 315 335 457 354 357 349 390 329 382 315 373 284 273 362 417 279 416 321 264 356 286	0.50 0.18 0.16 10.16 0.05 0.60 0.85 0.26 0.17 0.49 2.03 0.55 1.24 0.96 0.75 0.12 0.06 0.27 0.71 0.17 0.52 0.22 0.10 0.11 9.65 0.04 0.66 0.27 0.18 0.27 0.18 0.21 0.40 2.10 0.46	6.81 6.78 6.77 6.67 6.35 6.86 6.27 6.10 8.90 7.09 6.55 6.49 6.36 5.54 6.34 6.32 6.51 6.41 6.17 6.50 6.44 6.71 6.48 6.54 5.85 6.40 6.89 6.39 6.39 6.39 6.40 6.54 6.54 6.54 6.54 6.54 6.55 6.40 6.55 6.40 6.55 6.40 6.55 6.40 6.55 6.41 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50	-67.1 -80.0 -63.5 -119.3 -58.1 -72.8 -440.8 -15.2 -25.0 -9.9 -80.5 -143.9 -75.5 22.1 -120.2 -87.1 -97.9 -64.1 52.6 -54.2 -42.7 -69.6 -73.5 -53.0 -138.4 -56.8 -72.8 -323.7 -68.1 -36.2 -52.4 -77.5 -165.8	1.7 1.5 4.5 - 4.3 82.1 8.5 12.9 6.3 4.0 2.7 3.4 3.4 7.3 2.3 4.1 44.2 19.6 1.9 13.8 19.9 40.9 1.2
EW-1	12/29/2015 6/8/2016 12/29/2016 9/9/2009 12/23/2009 3/19/2010 6/22/2010 9/15/2010 12/27/2010 3/11/2011 6/14/2011 9/29/2011 12/9/2012 6/26/2012 12/14/2012 6/21/2013 1/14/2014 6/26/2014 12/9/2014 6/11/2015 12/30/2015 6/9/2016 12/29/2016 9/9/2009 12/23/2009 3/19/2010 6/22/2010 9/15/2010 3/11/2011 6/14/2011 9/29/2011 12/97/2011	7.40 20.36 6.90 18.70 14.97 12.61 14.62 16.70 13.61 11.82 13.90 17.80 14.40 11.60 14.90 14.50 14.80 13.00 15.40 15.30 15.40 14.30 15.57 13.90 18.58 14.94 13.07 16.06 17.50 12.32 9.88 14.20 20.40 13.00	435 378 409 236 352 399 328 338 301 317 319 282 315 335 457 354 357 349 390 329 382 315 373 284 273 362 417 279 416 321 264 356 286 421	0.50 0.18 0.16 10.16 0.05 0.60 0.85 0.26 0.17 0.49 2.03 0.55 1.24 0.96 0.75 0.12 0.06 0.27 0.71 0.17 0.52 0.22 0.10 0.11 9.65 0.04 0.66 0.27 0.18 0.21 0.40 2.10 0.46 1.30	6.81 6.78 6.77 6.67 6.35 6.86 6.27 6.10 8.90 7.09 6.55 6.49 6.36 5.54 6.34 6.32 6.51 6.41 6.17 6.50 6.44 6.71 6.48 6.54 5.85 6.40 6.89 6.39 6.39 6.39 6.39	-67.1 -80.0 -63.5 -119.3 -58.1 -72.8 -440.8 -15.2 -25.0 -9.9 -80.5 -143.9 -75.5 22.1 -120.2 -87.1 -97.9 -64.1 52.6 -54.2 -42.7 -69.6 -73.5 -53.0 -138.4 -56.8 -72.8 -323.7 -68.1 -36.2 -52.4 -77.5 -165.8 -90.3	1.7 1.5 4.5 4.3 82.1 8.5 12.9 6.3 4.0 2.7 3.4 7.3 2.3 4.1 44.2 19.6 1.9 13.8 19.9 40.9 1.2 116.0
EW-1	12/29/2015 6/8/2016 12/29/2016 9/9/2009 12/23/2009 3/19/2010 6/22/2010 9/15/2010 12/27/2010 3/11/2011 6/14/2011 9/29/2011 12/9/2012 6/26/2012 12/14/2012 6/21/2013 1/14/2014 6/26/2014 12/9/2014 6/11/2015 12/30/2015 6/9/2016 12/29/2016 9/9/2009 12/23/2009 3/19/2010 6/22/2010 9/15/2010 3/11/2011 6/14/2011 9/29/2011 12/97/2010 3/11/2011 6/14/2011 9/29/2011 12/9/2011	7.40 20.36 6.90 18.70 14.97 12.61 14.62 16.70 13.61 11.82 13.90 17.80 14.40 11.60 14.90 14.50 14.80 13.00 15.40 15.30 15.40 14.30 15.57 13.90 18.58 14.94 13.07 16.06 17.50 12.32 9.88 14.20 20.40 13.00 9.93	435 378 409 236 352 399 328 338 301 317 319 282 315 335 457 354 357 349 390 329 382 315 373 284 273 362 417 279 416 321 264 356 286 421 299	0.50 0.18 0.16 10.16 0.05 0.60 0.85 0.26 0.17 0.49 2.03 0.55 1.24 0.96 0.75 0.12 0.06 0.27 0.71 0.17 0.52 0.22 0.10 0.11 9.65 0.04 0.66 0.27 0.11 9.65 0.04 0.66 0.27 0.18 0.21 0.40 2.10 0.46 1.30 0.98	6.81 6.78 6.77 6.67 6.35 6.86 6.27 6.10 8.90 7.09 6.55 6.49 6.36 5.54 6.32 6.51 6.41 6.17 6.50 6.44 6.71 6.48 6.54 5.85 6.40 6.89 6.39 6.39 6.39 6.39 6.39 6.30 6.30 6.30 6.30 6.30 6.30 6.30 6.30	-67.1 -80.0 -63.5 -119.3 -58.1 -72.8 -440.8 -15.2 -25.0 -9.9 -80.5 -143.9 -75.5 22.1 -120.2 -87.1 -97.9 -64.1 52.6 -54.2 -42.7 -69.6 -73.5 -53.0 -138.4 -56.8 -72.8 -323.7 -68.1 -36.2 -52.4 -77.5 -165.8 -90.3 7.8	1.7 1.5 4.5 4.3 82.1 8.5 12.9 6.3 4.0 2.7 3.4 7.3 2.3 4.1 44.2 19.6 1.9 13.8 19.9 40.9 1.2 116.0 1.1
EW-1	12/29/2015 6/8/2016 12/29/2016 9/9/2009 12/23/2009 3/19/2010 6/22/2010 9/15/2010 12/27/2010 3/11/2011 6/14/2011 9/29/2011 12/9/2012 6/26/2012 12/14/2012 6/21/2013 1/14/2014 6/26/2014 12/9/2014 6/11/2015 12/30/2015 6/9/2016 12/29/2016 9/9/2009 12/23/2009 3/19/2010 6/22/2010 9/15/2010 12/27/2010 3/11/2011 6/14/2011 9/29/2011 12/9/2011 12/9/2011 12/9/2011	7.40 20.36 6.90 18.70 14.97 12.61 14.62 16.70 13.61 11.82 13.90 17.80 14.40 11.60 14.90 14.50 14.80 13.00 15.40 15.30 15.40 14.30 15.57 13.90 18.58 14.94 13.07 16.06 17.50 12.32 9.88 14.20 20.40 13.00 9.93 17.20	435 378 409 236 352 399 328 338 301 317 319 282 315 335 457 354 357 349 390 329 382 315 373 284 273 362 417 279 416 321 264 356 286 421 299 374	0.50 0.18 0.16 10.16 0.05 0.60 0.85 0.26 0.17 0.49 2.03 0.55 1.24 0.96 0.75 0.12 0.06 0.27 0.71 0.17 0.52 0.22 0.10 0.11 9.65 0.04 0.66 0.27 0.11 9.65 0.04 0.66 0.27 0.18 0.21 0.40 2.10 0.46 1.30 0.98 0.70	6.81 6.78 6.77 6.67 6.35 6.86 6.27 6.10 8.90 7.09 6.55 6.49 6.36 5.54 6.32 6.51 6.41 6.17 6.50 6.44 6.71 6.48 6.54 5.85 6.40 6.89 6.39 6.39 6.39 6.39 6.30 6.30 6.30 6.30 6.30 6.30 6.30 6.30	-67.1 -80.0 -63.5 -119.3 -58.1 -72.8 -440.8 -15.2 -25.0 -9.9 -80.5 -143.9 -75.5 22.1 -120.2 -87.1 -97.9 -64.1 52.6 -54.2 -42.7 -69.6 -73.5 -53.0 -138.4 -56.8 -72.8 -323.7 -68.1 -36.2 -52.4 -77.5 -165.8 -90.3 7.8 -265.1	1.7 1.5 4.5 4.3 82.1 8.5 12.9 6.3 4.0 2.7 3.4 7.3 2.3 4.1 44.2 19.6 1.9 13.8 19.9 40.9 1.2 116.0 1.1 1.4
EW-1	12/29/2015 6/8/2016 12/29/2016 9/9/2009 12/23/2009 3/19/2010 6/22/2010 9/15/2010 12/27/2010 3/11/2011 6/14/2011 9/29/2011 12/9/2011 3/7/2012 6/26/2014 12/9/2014 6/11/2015 12/30/2015 6/9/2016 12/29/2016 9/9/2009 12/23/2009 3/19/2010 6/22/2010 9/15/2010 12/27/2010 3/11/2011 6/14/2011 9/29/2011 12/9/2011 12/9/2010 9/15/2010 12/27/2010 3/11/2011 6/14/2011 9/29/2011 12/9/2011 12/9/2011	7.40 20.36 6.90 18.70 14.97 12.61 14.62 16.70 13.61 11.82 13.90 17.80 14.40 11.60 14.90 14.50 14.80 13.00 15.40 15.30 15.40 14.30 15.57 13.90 18.58 14.94 13.07 16.06 17.50 12.32 9.88 14.20 20.40 13.00 9.93 17.20 13.00	435 378 409 236 352 399 328 338 301 317 319 282 315 335 457 354 357 349 390 329 382 315 373 284 273 362 417 279 416 321 264 356 286 421 299 374 328	0.50 0.18 0.16 10.16 0.05 0.60 0.85 0.26 0.17 0.49 2.03 0.55 1.24 0.96 0.75 0.12 0.06 0.27 0.71 0.17 0.52 0.22 0.10 0.11 9.65 0.04 0.66 0.27 0.11 9.65 0.04 0.66 0.27 0.18 0.21 0.40 2.10 0.46 1.30 0.98 0.70 0.19	6.81 6.78 6.77 6.67 6.35 6.86 6.27 6.10 8.90 7.09 6.55 6.49 6.36 5.54 6.32 6.51 6.41 6.17 6.50 6.44 6.71 6.48 6.54 5.85 6.40 6.89 6.39 6.39 6.39 6.51 6.40 6.30 6.41 6.31 6.42 6.42 6.40	-67.1 -80.0 -63.5 -119.3 -58.1 -72.8 -440.8 -15.2 -25.0 -9.9 -80.5 -143.9 -75.5 22.1 -120.2 -87.1 -97.9 -64.1 52.6 -54.2 -42.7 -69.6 -73.5 -53.0 -138.4 -56.8 -72.8 -323.7 -68.1 -36.2 -52.4 -77.5 -165.8 -90.3 7.8 -265.1 -76.5	1.7 1.5 4.5 4.3 82.1 8.5 12.9 6.3 4.0 2.7 3.4 7.3 2.3 4.1 44.2 19.6 1.9 13.8 19.9 40.9 1.2 116.0 1.1 1.4 3.0
EW-1	12/29/2015 6/8/2016 12/29/2016 9/9/2009 12/23/2009 3/19/2010 6/22/2010 9/15/2010 12/27/2010 3/11/2011 6/14/2011 9/29/2011 12/9/2011 12/9/2012 6/26/2012 12/14/2012 6/26/2014 12/9/2014 6/11/2015 12/30/2015 6/9/2016 12/29/2016 9/9/2009 12/23/2009 3/19/2010 6/22/2010 9/15/2010 12/27/2010 3/11/2011 6/14/2011 9/29/2011 12/9/2011 12/9/2011 12/9/2010 12/27/2010 3/11/2011 6/14/2011 9/29/2011 12/9/2011 12/9/2012 6/26/2012 12/14/2012 6/26/2012	7.40 20.36 6.90 18.70 14.97 12.61 14.62 16.70 13.61 11.82 13.90 17.80 14.40 11.60 14.50 14.80 13.00 15.40 15.30 15.40 14.30 15.57 13.90 18.58 14.94 13.07 16.06 17.50 12.32 9.88 14.20 20.40 13.00 9.93 17.20 13.00 16.60	435 378 409 236 352 399 328 338 301 317 319 282 315 335 457 354 357 349 390 329 382 315 373 284 273 362 417 279 416 321 264 356 286 421 299 374 328 382	0.50 0.18 0.16 10.16 0.05 0.60 0.85 0.26 0.17 0.49 2.03 0.55 1.24 0.96 0.75 0.12 0.06 0.27 0.71 0.17 0.52 0.22 0.10 0.11 9.65 0.04 0.66 0.27 0.11 9.65 0.04 0.66 0.27 0.18 0.21 0.40 2.10 0.46 1.30 0.98 0.70 0.19 0.06	6.81 6.78 6.77 6.67 6.35 6.86 6.27 6.10 8.90 7.09 6.55 6.49 6.36 5.54 6.32 6.51 6.41 6.17 6.50 6.44 6.71 6.48 6.54 5.85 6.40 6.89 6.39 6.39 6.39 6.40 6.39 6.39 6.39 6.40 6.39 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40	-67.1 -80.0 -63.5 -119.3 -58.1 -72.8 -440.8 -15.2 -25.0 -9.9 -80.5 -143.9 -75.5 22.1 -120.2 -87.1 -97.9 -64.1 52.6 -54.2 -42.7 -69.6 -73.5 -53.0 -138.4 -56.8 -72.8 -323.7 -68.1 -36.2 -52.4 -77.5 -165.8 -90.3 7.8 -265.1 -76.5 -94.6	1.7 1.5 4.5 4.3 82.1 8.5 12.9 6.3 4.0 2.7 3.4 7.3 2.3 4.1 44.2 19.6 1.9 13.8 19.9 40.9 1.2 116.0 1.1 1.4 3.0 2.6
EW-1	12/29/2015 6/8/2016 12/29/2016 9/9/2009 12/23/2009 3/19/2010 6/22/2010 9/15/2010 12/27/2010 3/11/2011 6/14/2011 9/29/2011 12/9/2012 6/26/2012 12/14/2015 6/26/2014 12/9/2014 6/11/2015 12/30/2015 6/9/2016 12/29/2016 9/9/2009 12/23/2009 3/19/2010 6/22/2010 9/15/2010 12/27/2010 3/11/2011 6/14/2011 9/29/2011 12/9/2011 12/9/2011 12/9/2010 9/15/2010 12/27/2010 3/11/2011 6/14/2011 9/29/2011 12/9/2011 12/9/2012 6/26/2012 12/14/2012 6/26/2012 12/14/2013 1/14/2014	7.40 20.36 6.90 18.70 14.97 12.61 14.62 16.70 13.61 11.82 13.90 17.80 14.40 11.60 14.90 14.50 14.80 13.00 15.40 15.30 15.40 14.30 15.57 13.90 18.58 14.94 13.07 16.06 17.50 12.32 9.88 14.20 20.40 13.00 9.93 17.20 13.00 16.60 12.50	435 378 409 236 352 399 328 338 301 317 319 282 315 335 457 354 357 349 390 329 382 315 373 284 273 362 417 279 416 321 264 356 286 421 299 374 328 382 381	0.50 0.18 0.16 10.16 0.05 0.60 0.85 0.26 0.17 0.49 2.03 0.55 1.24 0.96 0.75 0.12 0.06 0.27 0.71 0.17 0.52 0.22 0.10 0.11 9.65 0.04 0.66 0.27 0.11 9.65 0.04 0.66 0.27 0.18 0.21 0.40 2.10 0.46 1.30 0.98 0.70 0.19 0.06	6.81 6.78 6.77 6.67 6.35 6.86 6.27 6.10 8.90 7.09 6.55 6.49 6.36 5.54 6.34 6.32 6.51 6.41 6.17 6.50 6.44 6.71 6.48 6.54 5.85 6.40 6.89 6.39 6.39 6.39 6.40 6.39 6.39 6.40 6.39 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.40	-67.1 -80.0 -63.5 -119.3 -58.1 -72.8 -440.8 -15.2 -25.0 -9.9 -80.5 -143.9 -75.5 22.1 -120.2 -87.1 -97.9 -64.1 52.6 -54.2 -42.7 -69.6 -73.5 -53.0 -138.4 -56.8 -72.8 -323.7 -68.1 -36.2 -52.4 -77.5 -165.8 -90.3 7.8 -265.1 -76.5 -94.6 -65.4	1.7 1.5
	12/29/2015 6/8/2016 12/29/2016 9/9/2009 12/23/2009 3/19/2010 6/22/2010 9/15/2010 12/27/2010 3/11/2011 6/14/2011 9/29/2011 12/9/2012 12/14/2012 6/26/2014 12/9/2014 6/11/2015 12/30/2015 6/9/2016 12/29/2016 9/9/2009 12/23/2009 3/19/2010 6/22/2010 9/15/2010 12/27/2010 3/11/2011 6/14/2011 9/29/2011 12/9/2011 12/9/2010 9/15/2010 12/27/2010 3/11/2011 6/14/2011 9/29/2011 12/9/2011 12/9/2012 6/26/2012 12/14/2012 6/26/2012 12/14/2012 6/26/2014	7.40 20.36 6.90 18.70 14.97 12.61 14.62 16.70 13.61 11.82 13.90 17.80 14.40 11.60 14.90 14.50 14.80 13.00 15.40 15.30 15.40 14.30 15.57 13.90 18.58 14.94 13.07 16.06 17.50 12.32 9.88 14.20 20.40 13.00 9.93 17.20 13.00 16.60 17.50 12.50 16.00	435 378 409 236 352 399 328 338 301 317 319 282 315 335 457 354 357 349 390 329 382 315 373 284 273 362 417 279 416 321 264 356 286 421 299 374 328 382 381 405	0.50 0.18 0.16 10.16 0.05 0.60 0.85 0.26 0.17 0.49 2.03 0.55 1.24 0.96 0.75 0.12 0.06 0.27 0.71 0.17 0.52 0.22 0.10 0.11 9.65 0.04 0.66 0.27 0.18 0.27 0.18 0.21 0.40 2.10 0.46 1.30 0.98 0.70 0.19 0.06 0.60 0.89	6.81 6.78 6.77 6.67 6.35 6.86 6.27 6.10 8.90 7.09 6.55 6.49 6.36 5.54 6.34 6.32 6.51 6.41 6.17 6.50 6.44 6.71 6.48 6.54 5.85 6.40 6.89 6.39 6.39 6.39 6.40 6.39 6.39 6.40 6.30 6.40 6.40 6.40 6.40 6.40 6.40 6.40 6.4	-67.1 -80.0 -63.5 -119.3 -58.1 -72.8 -440.8 -15.2 -25.0 -9.9 -80.5 -143.9 -75.5 22.1 -120.2 -87.1 -97.9 -64.1 52.6 -54.2 -42.7 -69.6 -73.5 -53.0 -138.4 -56.8 -72.8 -323.7 -68.1 -36.2 -52.4 -77.5 -165.8 -90.3 7.8 -265.1 -76.5 -94.6 -65.4 52.5	1.7 1.5 4.5 4.5 4.3 82.1 8.5 12.9 6.3 4.0 2.7 3.4 3.4 7.3 2.3 4.1 44.2 19.6 1.9 13.8 13.8 19.9 40.9 1.2 116.0 1.1 1.4 3.0 2.6 3.9 5.4
EW-1	12/29/2015 6/8/2016 12/29/2016 9/9/2009 12/23/2009 3/19/2010 6/22/2010 9/15/2010 12/27/2010 3/11/2011 6/14/2011 9/29/2011 12/9/2012 12/14/2012 6/26/2014 12/9/2014 6/11/2015 12/30/2015 6/9/2016 12/29/2016 9/9/2009 12/23/2009 3/19/2010 6/22/2010 9/15/2010 12/27/2010 3/11/2011 6/14/2011 9/29/2011 12/9/2011 12/9/2010 9/15/2010 12/27/2010 3/11/2011 6/14/2011 9/29/2011 12/9/2011 12/9/2011 12/9/2011 12/9/2011 12/9/2011 12/9/2011	7.40 20.36 6.90 18.70 14.97 12.61 14.62 16.70 13.61 11.82 13.90 17.80 14.40 11.60 14.90 14.50 14.80 13.00 15.40 15.30 15.40 14.30 15.57 13.90 18.58 14.94 13.07 16.06 17.50 12.32 9.88 14.20 20.40 13.00 9.93 17.20 13.00 16.60 17.50 12.50 16.00 14.50	435 378 409 236 352 399 328 338 301 317 319 282 315 335 457 354 357 349 390 329 382 315 373 284 273 362 417 279 416 321 264 356 286 421 299 374 328 382 382 383 383 383 384 385 385 385 385 385 385 385 385	0.50 0.18 0.16 10.16 0.05 0.60 0.85 0.26 0.17 0.49 2.03 0.55 1.24 0.96 0.75 0.12 0.06 0.27 0.71 0.17 0.52 0.22 0.10 0.11 9.65 0.04 0.66 0.27 0.11 9.65 0.04 0.66 0.27 0.18 0.21 0.40 2.10 0.46 1.30 0.98 0.70 0.19 0.06 0.89 0.52	6.81 6.78 6.77 6.67 6.35 6.86 6.27 6.10 8.90 7.09 6.55 6.49 6.36 5.54 6.34 6.32 6.51 6.41 6.17 6.50 6.44 6.71 6.48 6.54 5.85 6.40 6.89 6.39 6.39 6.39 6.42 2.97 7.35 6.59 6.39 6.39 6.39 6.39 6.59 6.40 6.59 6.40 6.50 6.40 6.51 6.51 6.52 6.53 6.54 6.54 6.54 6.55 6.40 6.55 6.40 6.55 6.40 6.50 6.51 6.50 6.51 6.52 6.53 6.54 6.54 6.54 6.54 6.54 6.54 6.54 6.54	-67.1 -80.0 -63.5 -119.3 -58.1 -72.8 -440.8 -15.2 -25.0 -9.9 -80.5 -143.9 -75.5 22.1 -120.2 -87.1 -97.9 -64.1 52.6 -54.2 -42.7 -69.6 -73.5 -53.0 -138.4 -56.8 -72.8 -323.7 -68.1 -36.2 -52.4 -77.5 -165.8 -90.3 7.8 -265.1 -76.5 -94.6 -65.4 52.5 -47.8	1.7 1.5 4.5 4.5 4.3 82.1 8.5 12.9 6.3 4.0 2.7 3.4 3.4 7.3 2.3 4.1 44.2 19.6 1.9 13.8 19.9 40.9 1.2 116.0 1.1 1.4 3.0 2.6 3.9 5.4 18.0
EW-1	12/29/2015 6/8/2016 12/29/2016 9/9/2009 12/23/2009 3/19/2010 6/22/2010 9/15/2010 12/27/2010 3/11/2011 6/14/2011 9/29/2011 12/9/2012 12/14/2012 6/26/2014 12/9/2014 6/11/2015 12/30/2016 9/9/2009 12/23/2009 3/19/2010 6/22/2010 9/15/2010 12/27/2010 3/11/2011 6/14/2011 9/9/2014 6/11/2015 12/30/2015 6/9/2016 12/29/2016 9/9/2009 12/23/2009 3/19/2010 6/22/2010 9/15/2010 12/27/2010 3/11/2011 6/14/2011 9/29/2011 12/9/2011 12/9/2011 12/9/2014 6/14/2012 6/26/2012 12/14/2012 6/26/2014 12/9/2014	7.40 20.36 6.90 18.70 14.97 12.61 14.62 16.70 13.61 11.82 13.90 17.80 14.40 11.60 14.90 14.50 14.80 13.00 15.40 15.30 15.40 14.30 15.57 13.90 18.58 14.94 13.07 16.06 17.50 12.32 9.88 14.20 20.40 13.00 9.93 17.20 13.00 16.60 12.50 16.00 14.50 15.90	435 378 409 236 352 399 328 338 301 317 319 282 315 335 457 354 357 349 390 329 382 315 373 284 273 362 417 279 416 321 264 356 286 421 299 374 328 382 315	0.50 0.18 0.16 10.16 0.05 0.60 0.85 0.26 0.17 0.49 2.03 0.55 1.24 0.96 0.75 0.12 0.06 0.27 0.71 0.17 0.52 0.22 0.10 0.11 9.65 0.04 0.66 0.27 0.11 9.65 0.04 0.66 0.27 0.18 0.21 0.40 2.10 0.46 1.30 0.98 0.70 0.19 0.06 0.89 0.52 0.68	6.81 6.78 6.77 6.67 6.35 6.86 6.27 6.10 8.90 7.09 6.55 6.49 6.36 5.54 6.34 6.32 6.51 6.41 6.17 6.50 6.44 6.71 6.48 6.54 5.85 6.40 6.89 6.39 6.39 6.39 6.42 2.97 7.35 6.54 6.39 6.39 6.39 6.39 6.40 6.40 6.50 6.51 6.40 6.51 6.54 6.54 6.54 6.55 6.59 6.59 6.59 6.59 6.59 6.59 6.59	-67.1 -80.0 -63.5 -119.3 -58.1 -72.8 -440.8 -15.2 -25.0 -9.9 -80.5 -143.9 -75.5 22.1 -120.2 -87.1 -97.9 -64.1 52.6 -54.2 -42.7 -69.6 -73.5 -53.0 -138.4 -56.8 -72.8 -323.7 -68.1 -36.2 -52.4 -77.5 -165.8 -90.3 7.8 -265.1 -76.5 -94.6 -65.4 52.5 -47.8 -52.3	1.7 1.5 4.5 4.5 4.3 82.1 8.5 12.9 6.3 4.0 2.7 3.4 3.4 7.3 2.3 4.1 44.2 19.6 1.9 13.8 19.9 40.9 1.2 116.0 1.1 1.4 3.0 2.6 3.9 5.4 18.0 1.8
EW-1	12/29/2015 6/8/2016 12/29/2016 9/9/2009 12/23/2009 3/19/2010 6/22/2010 9/15/2010 12/27/2010 3/11/2011 6/14/2011 9/29/2011 12/9/2012 12/14/2012 6/26/2014 12/9/2014 6/11/2015 12/30/2015 6/9/2016 12/29/2016 9/9/2009 12/23/2009 3/19/2010 6/22/2010 9/15/2010 12/27/2010 3/11/2011 6/14/2011 9/29/2011 12/9/2011 12/9/2010 9/15/2010 12/27/2010 3/11/2011 6/14/2011 9/29/2011 12/9/2011 12/9/2011 12/9/2011 12/9/2011 12/9/2011 12/9/2011	7.40 20.36 6.90 18.70 14.97 12.61 14.62 16.70 13.61 11.82 13.90 17.80 14.40 11.60 14.90 14.50 14.80 13.00 15.40 15.30 15.40 14.30 15.57 13.90 18.58 14.94 13.07 16.06 17.50 12.32 9.88 14.20 20.40 13.00 9.93 17.20 13.00 16.60 17.50 12.50 16.00 14.50	435 378 409 236 352 399 328 338 301 317 319 282 315 335 457 354 357 349 390 329 382 315 373 284 273 362 417 279 416 321 264 356 286 421 299 374 328 382 382 383 383 383 384 385 385 385 385 385 385 385 385	0.50 0.18 0.16 10.16 0.05 0.60 0.85 0.26 0.17 0.49 2.03 0.55 1.24 0.96 0.75 0.12 0.06 0.27 0.71 0.17 0.52 0.22 0.10 0.11 9.65 0.04 0.66 0.27 0.11 9.65 0.04 0.66 0.27 0.18 0.21 0.40 2.10 0.46 1.30 0.98 0.70 0.19 0.06 0.89 0.52	6.81 6.78 6.77 6.67 6.35 6.86 6.27 6.10 8.90 7.09 6.55 6.49 6.36 5.54 6.34 6.32 6.51 6.41 6.17 6.50 6.44 6.71 6.48 6.54 5.85 6.40 6.89 6.39 6.39 6.39 6.42 2.97 7.35 6.59 6.39 6.39 6.39 6.39 6.59 6.40 6.59 6.40 6.50 6.40 6.51 6.51 6.52 6.53 6.54 6.54 6.54 6.54 6.54 6.54 6.54 6.54	-67.1 -80.0 -63.5 -119.3 -58.1 -72.8 -440.8 -15.2 -25.0 -9.9 -80.5 -143.9 -75.5 22.1 -120.2 -87.1 -97.9 -64.1 52.6 -54.2 -42.7 -69.6 -73.5 -53.0 -138.4 -56.8 -72.8 -323.7 -68.1 -36.2 -52.4 -77.5 -165.8 -90.3 7.8 -265.1 -76.5 -94.6 -65.4 52.5 -47.8	1.7 1.5 4.5 4.3 82.1 8.5 12.9 6.3 4.0 2.7 3.4 3.4 7.3 2.3 4.1 44.2 19.6 1.9 13.8 19.9 40.9 1.2 116.0 1.1 1.4 3.0 2.6 3.9 5.4 18.0

			Specific	Dissolved			
Location	Date	Temperature	Conductance	Oxygen	pH	Eh ORP	Turbidity
Location Extraction Wells (Continued	Units	Degrees C	ms/cm	mg/L	-	mv	NTU
EW-3	9/9/2009	18.11	458	8.28	6.49	-214.7	-
	12/23/2009	14.23	358	0.06	6.37	-39.9	-
	3/19/2010 6/22/2010	13.29 15.83	414 515	0.96 0.50	6.87 6.48	-81.2 -379.3	11.6
	9/15/2010	17.29	467	0.50	6.81	-62.7	-
	12/27/2010	11.14	0	0.20	8.28	-20.0	-
	3/11/2011 6/14/2011	11.19 14.20	288 470	0.26 1.99	7.15 6.55	-16.2 -101.2	5.9 9.8
	9/29/2011	18.40	381	0.49	6.58	-138.9	1.1
	12/9/2011	12.80	502	1.43	6.39	-97.6	2.0
	3/7/2012 6/25/2012	11.50 15.10	510 547	0.25 1.61	6.47 6.35	-54.8 -100.6	0.5 1.5
	12/14/2012	13.10	482	0.14	6.44	-100.8	1.9
	6/20/2013	14.30	459	0.07	6.59	-94.9	2.7
	1/14/2014 6/26/2014	12.60 15.90	457 476	0.15 0.83	6.48 6.24	-67.7 24.1	1.1 6.2
	12/9/2014	14.70	470	0.83	6.24	-65.3	2.9
	6/11/2015	16.20	487	0.39	6.53	-59.4	3.8
	12/30/2015	13.10	435	0.38	6.75	-83.1	19.8
	6/8/2016 12/29/2016	15.56 12.60	453 400	0.05 0.22	6.58 6.62	-78.4 19.0	10.9 9.2
EW-4	9/8/2009	15.59	384	1.60	9.06	-315.0	17.0
	12/22/2009	13.23	368	0.09	7.96	-125.6	2.6
	3/19/2010 6/22/2010	13.15 14.00	349 305	0.57 0.32	7.75 8.01	-112.2 -338.9	1.0 4.1
	9/15/2010	16.39	424	0.04	7.50	-94.1	3.6
	12/27/2010	12.53	351	0.21	10.08	47.6	0.9
	3/11/2011 6/14/2011	11.77 13.50	295 327	0.17 0.55	7.51 8.03	-8.1 -110.9	3.9 8.9
	9/29/2011	16.00	472	0.27	7.67	-161.3	0.9
	12/9/2011	13.20	534	0.67	7.50	-99.6	4.7
	3/7/2012 6/25/2012	11.21 13.70	426 581	0.30 0.72	7.60 7.53	-49.0 -125.2	0.7 0.6
	12/14/2012	13.40	574	0.22	7.34	-47.3	3.0
	6/20/2013	14.70	457	0.16	7.42	-108.1	3.8
	1/14/2014 6/26/2014	13.10 15.80	470 462	0.17 0.78	7.05 7.02	-132.7 42.7	3.1 5.5
	12/9/2014	15.20	483	0.19	6.79	-53.4	2.3
	6/11/2015	17.30	442	0.46	7.20	-67.9	2.4
	12/30/2015 6/8/2016	12.60 16.56	528 460	0.44 0.16	7.23 7.22	-84.2 -106.8	1.7 1.2
	12/29/2016	12.40	496	0.15	7.21	-91.8	4.9
EW-5	9/9/2009	17.73	277	8.25	6.82	-223.2	-
	12/23/2009 3/19/2010	14.35 12.09	270 282	0.21 0.96	6.34 6.96	-4.4 -91.9	-
	6/22/2010	13.44	246	0.90	6.42	-402.1	13.0
	9/15/2010	18.30	297	4.61	6.50	-21.8	-
	12/27/2010 3/11/2011	10.08 9.10	399 309	5.76 6.62	9.03 6.91	32.4 19.4	-
	6/14/2011	17.90	661	1.88	6.92	-152.1	214.0
	9/29/2011	20.40	789	0.34	7.58	-312.8	>1000
	12/9/2011	10.70 10.53	469 453	1.06 1.01	6.76 6.38	-138.9 -7.0	224.0 34.8
	3/7/2012 6/26/2012	15.10	382	0.64	6.57	-7.0	10.1
	12/14/2012	13.30	448	0.26	6.38	-67.5	57.1
	6/21/2013 1/14/2014	15.60 12.40	279 384	0.17 0.61	6.68 6.40	-70.3 -25.1	4.9 12.4
	6/26/2014	15.90	265	0.61	6.34	56.7	9.0
	12/9/2014	14.00	404	0.72	6.54	-29.6	2.7
	6/11/2015	16.40	370	0.67	6.54	-64.0	3.3
	12/30/2015 6/9/2016	14.10 15.44	391 230	0.21 0.06	6.70 6.73	-32.7 -53.6	3.5 6.1
	12/29/2016	13.40	320	0.09	6.50	-38.5	15.9
EW-6	9/9/2009	18.61	312	0.81	6.71	-300.2	-
	12/23/2009 3/19/2010	14.96 11.17	322 248	0.07 5.05	6.35 6.83	-24.5 -50.0	-
	6/22/2010	15.06	270	0.20	6.60	-469.8	6.1
	9/15/2010	17.61	310	0.01	0.5:	01.5	
	12/27/2010 3/11/2011	13.16 9.15	380 297	0.21 3.81	8.54 6.90	24.9 42.1	60.5
	6/14/2011	14.20	430	1.88	6.52	-83.8	77.2
	9/29/2011	17.50	391	0.63	6.61	-160.2	11.2
	12/9/2011 3/7/2012	13.90 11.72	389 468	1.35 0.78	6.30 6.33	-45.3 10.1	3.8 1.1
	6/26/2012	14.80	614	1.08	6.36	-364.3	1.1
	12/14/2012	13.90	413	0.24	6.50	-47.5	1.5
	6/21/2013 1/14/2014	15.50 12.80	417 339	0.06 0.15	6.60 6.35	24.4 -30.3	2.0 0.6
	6/26/2014	16.50	456	0.15	6.25	63.1	4.4
				0.19	6.52	-25.8	0.4
	12/9/2014	15.10	459				
	6/11/2015	16.30	439	0.40	6.47	-66.0	0.7

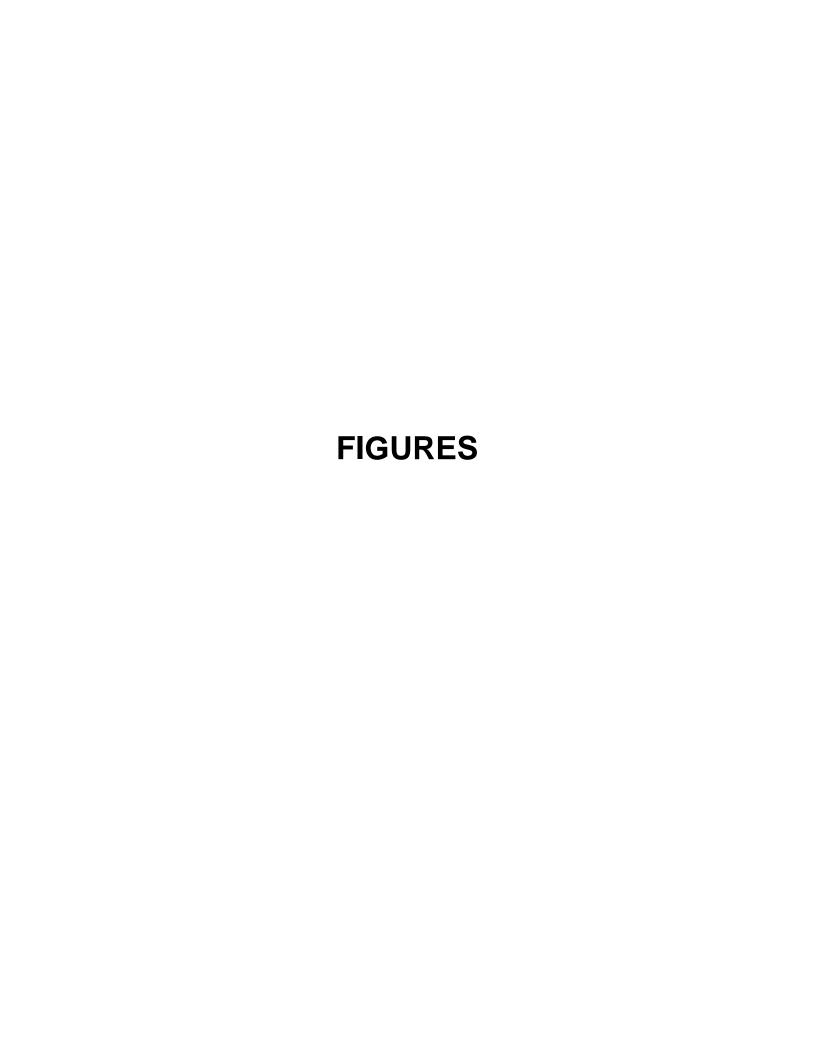
			Specific	Dissolved			
	Date	Temperature	Conductance	Oxygen	рН	Eh ORP	Turbidity
Location	Units	Degrees C	ms/cm	mg/L	-	mv	NTU
Extraction Wells (Continued)							
EW-7	9/9/2009	17.88	354	1.05	6.87	-308.7	-
	12/23/2009	14.82	431	0.10	6.37	-45.6	-
	3/19/2010	11.68	352	2.45	6.91	-61.1	-
	6/22/2010	13.89	323	0.26	6.32	-357.9	2.4
	9/15/2010	16.86	401	0.20	6.41	7.6	-
	12/27/2010	13.94	447	0.14	8.42	16.0	-
	3/11/2011	10.40	420	0.59	6.97	33.3	22.0
	6/14/2011	13.50	450	1.95	6.63	-99.4	13.3
	9/29/2011	17.20	476	0.82	6.44	-156.9	1.2
	12/9/2011	13.90	503	1.40	6.37	-65.4	1.8
	3/7/2012	11.42	508	1.71	6.47	16.3	0.5
	6/26/2012	14.80	692	1.00	6.48	-360.1	0.6
	12/14/2012	13.60	476	0.85	6.84	-43.1	1.0
	6/21/2013	15.70	500	0.12	6.74	35.8	2.2
	1/14/2014	12.70	368	0.97	6.63	-29.4	0.6
	6/26/2014	15.50	473	0.68	6.27	68.5	5.2
	12/9/2014	15.10	470	0.30	6.64	-4.4	0.3
	6/11/2015	16.60	462	0.44	6.51	-72.4	4.2
	12/30/2015	14.00	382	0.73	7.04	-30.0	4.6
	6/9/2016	15.51	407	0.07	6.69	-30.7	3.8
	12/29/2016	13.70	356	0.42	6.82	-18.2	7.1
EW-8	9/9/2009	16.46	350	9.25	7.58	-106.4	-
2 5	12/23/2009	13.86	384	0.20	6.52	-70.3	_
	3/19/2010	11.28	317	9.22	6.97	-35.1	-
	6/22/2010	15.06	318	0.23	6.59	-300.2	2.1
	9/15/2010	17.73	339	1.60	6.49	-32.4	-
	12/27/2010	11.08	397	2.33	8.90	7.7	-
	3/11/2011	10.18	454	3.19	7.16	-6.8	6.4
	6/14/2011	14.30	417	1.77	6.56	-76.1	12.1
	9/29/2011	16.20	434	0.77	6.54	-165.2	0.7
	12/9/2011	13.40	440	1.33	6.38	-84.6	2.4
	3/7/2012	11.89	532	1.62	6.38	-21.5	1.2
	6/26/2012	14.30	632	1.00	6.38	-337.9	1.0
	12/14/2012	13.60	451	0.26	6.43	-65.9	0.9
	6/21/2013	14.90	419	0.04	6.54	-69.1	2.2
	1/14/2014	12.80	339	0.04	6.35	-30.3	0.6
	6/26/2014	15.30	477	0.38	6.28	60.3	8.7
	12/9/2014	15.00	471	0.30	6.65	17.6	-
	6/11/2015	16.20	499	0.40	6.52	-71.8	2.2
	12/30/2015	14.00	409	0.40	6.74	-41.1	2.2
	6/9/2016	16.16	449	0.19	6.74	- 4 1.1	14.9
	12/29/2016		393	0.04			3.2
Quendall Terminals Monitorii		13.50	১খ১	0.10	6.50	-24.6	J.Z
		11 70	E 40	0.22	7.40	67.0	47
BH-21B	12/23/2009	11.76	542	0.33	7.42	-67.3	1.7
DI LOOA	12/23/2009	12.11	561	0.16	6.74	-114.9	55.7
BH-29A	9/14/2010	15.19	548	0.06	6.83	-105.6	4.8
	9/28/2011	14.30	488	0.90	6.79	-159.9	6.7
	12/13/2012	12.50	465	0.15	6.71	-115.1	8.1
	6/25/2014	14.70	485	0.75	6.54	-22.5	13.2
	12/10/2014	14.10	484	0.18	6.70	-62.2	9.7
	12/29/2015	11.90	455	0.27	6.95	-59.9	2.7
	12/28/2016	9.65	430	0.32	6.71	-75.9	1.3

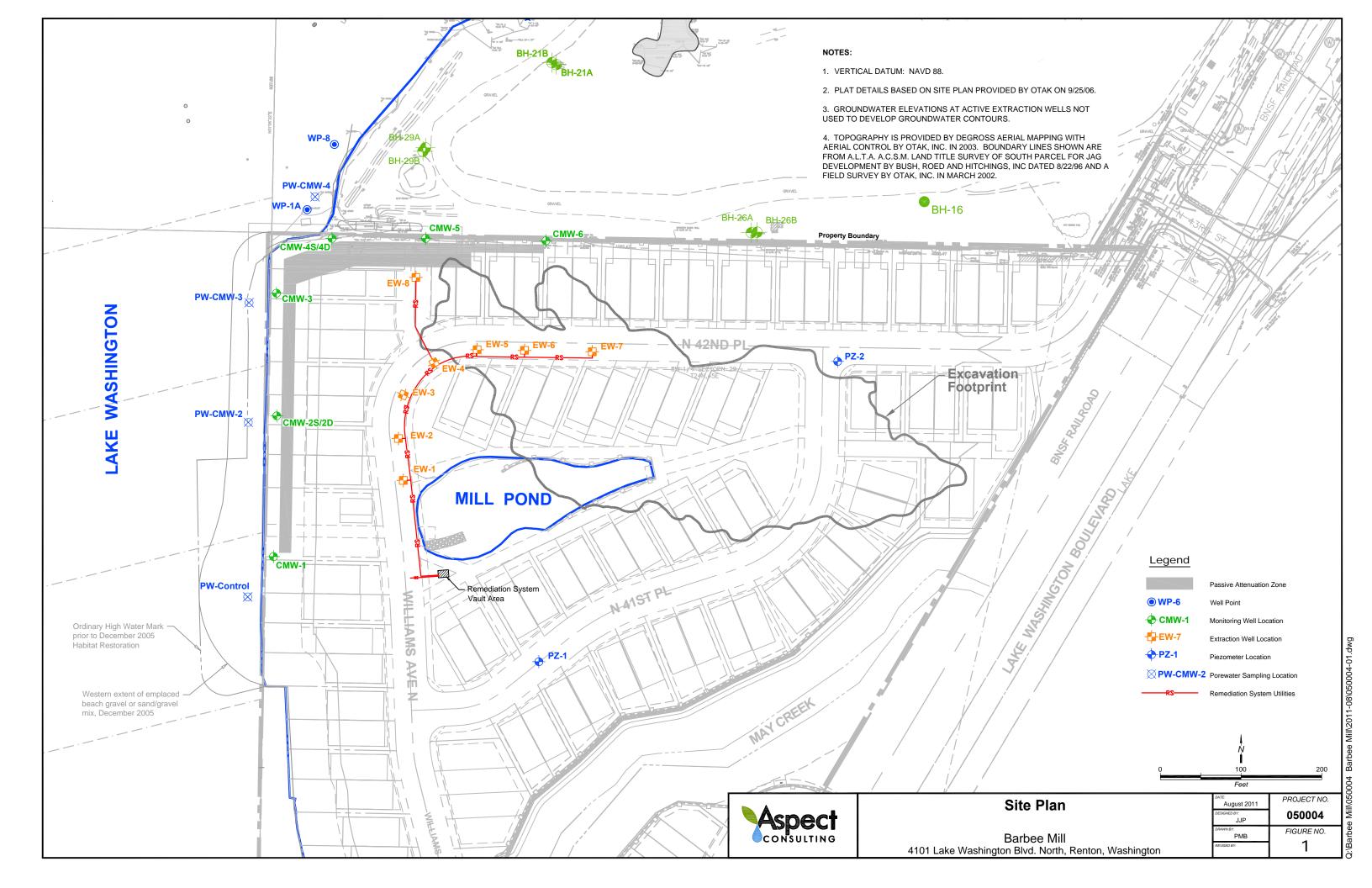
Table 4 - Cumulative Discharge Volume and Estimated Arsenic Removal

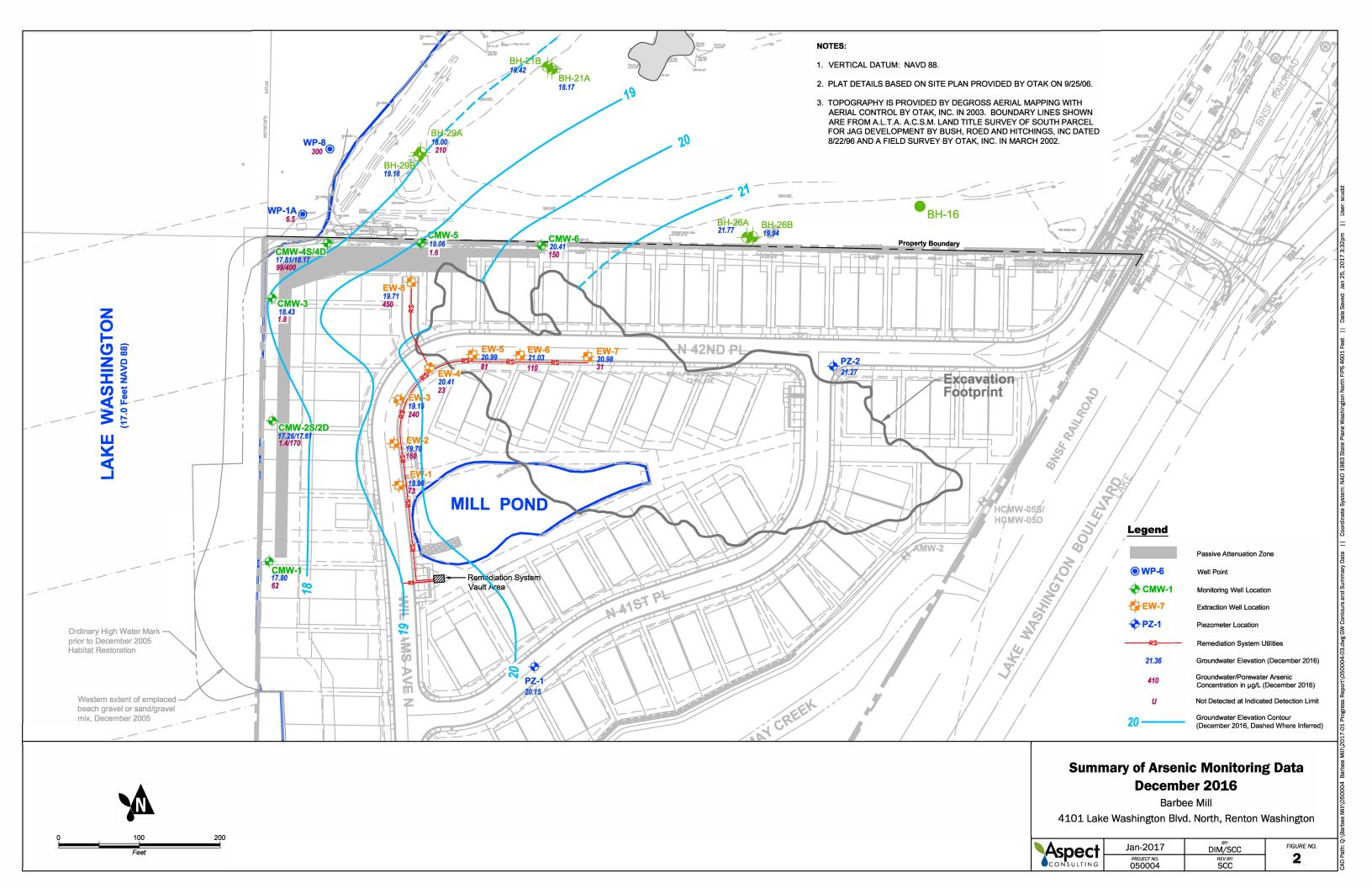
Project No. 050004-008-03, Barbee Mill, Renton, WA

	Monthly [As] Arsenic Cumulative Removal Pumps Turned "On" ⁽¹⁾												
Month	Discharge in gal	in mg/L	Removed in lb	Water in Mgal	Arsenic in lb	EW-1	EW-2	EW-3	EW-5	EW-6	EW-7	EW-8	Notes
Jun-09	873,521	0.11	0.80	0.87	0.80					X	Х		2
Jul-09	702,173	0.12	0.70	1.58	1.50					X	Х		
Aug-09	707,895	0.16	0.95	2.28	2.45					X	Χ		4
Sep-09	614,318	0.23	1.18	2.90	3.63					X	Х		
Oct-09	595,907	0.90	4.48	3.49	8.10					X	Х		
Nov-09	1,005,099	0.062	0.52	4.50	8.62	Х	X	X	X		X		
Dec-09	1,204,335	0.12	1.21	5.70	9.83	Χ	Х	X		X	Х	Х	5
Jan-10	1,103,228	0.15	1.38	6.81	11.2	Χ	Х	X		Х	Х	Х	6
Feb-10	750,525	0.57	3.57	7.56	14.8	Χ	Х	X		X	Х	Х	
Mar-10	808,335	0.39	2.63	8.37	17.4	Χ	Х	X		X	Х	Х	
Apr-10	859,028	0.068	0.49	9.22	17.9	Х	Х	X		Х	X	X	
May-10	1,000,603	0.087	0.73	10.2	18.6	Χ				Х	Х	Х	7
Jun-10	661,023	0.45	2.48	10.9	21.1				Х	Х	X		8
Jul-10	721,541	0.11	0.66	11.6	21.8				Х	Х	X		
Aug-10	435,691	0.066	0.24	12.0	22.0				Х	Х	Х		
Sep-10	379,150	0.37	1.17	12.4	23.2				Х	Х	Х		
Oct-10	439,640	1.13	4.13	12.9	27.3				Х	Х	X		9
Nov-10	0	-	0	12.9	27.3								
Dec-10	187,146	0.88	1.37	13.0	28.7				Х	Х	Х		10
Jan-11	564,889	0.99	4.67	13.6	33.3				Х	Х	Х		
Feb-11	424,065	0.22	0.78	14.0	34.1				Х	Х	Х		
Mar-11	354,675	0.040	0.12	14.4	34.2	Х	Х		Х	Х	Х		11
Apr-11	247,212	0.66	1.36	14.6	35.6	Х	Х		Х	Х	Х		12
May-11	0	-	0	14.6	35.6								
Jun-11	352,342	0.33	0.97	15.0	36.6	Х					Х	Х	13
Jul-11	629,786	0.04	0.20	15.6	36.8	Х					Х	Х	
Aug-11	89,199	0.07	0.05	15.7	36.8	Χ					Х	Х	

- 1) An "X" indicates that a pump was turned "on" during the majority of the system operating period for the indicated month. However, flow contributions from individual wells were not measured.
- 2) The pump-and-treat system began operation on 6/3/09. Startup testing revealed that the line from well EW-8 did not produce water, apparently due to a line break.
- 3) When installed in May 2009, the pumps were set such that their tops were approximately 1.5 feet below the water table. On 8/10/09, the pumps in wells EW-6 and EW-7 were reset such that their bottoms were approximately 1.5 feet above the well bottom. On 9/9/09, the remaining well pumps were reset in the same manner.
- 4) The flow meter stopped working sometime between site visits on 8/10/09 and 9/1/09, apparently due to fouling of the in-line paddlewheel sensor. After cleaning the sensor on 9/2/09, flow meter function was restored. The volume of water pumped during this period was estimated, and the sensor was subsequently inspected on a monthly basis.
- 5) The break in the EW-8 line was located and repaired in early December 2009, and pumping from that well was initiated on 12/8/09.
- 6) The flow meter stopped working sometime between site visits on 12/8/09 and 12/22/09. The cause was determined on 1/15/10 - the inside of the 2-inch-diameter pipe housing the sensor was fouled to the point that the paddlewheel was shielded from the water flow. After cleaning the pipe, flow meter function was restored. Discharge flow rate was measured manually on 1/5/10, and the volume of water pumped between 12/8/09 and 1/15/10 was estimated. Subsequent monthly fouling inspections included the pipe as well as the paddlewheel sensor.
- 7) The system automatically shut down on 5/2/10 (est.) due to a clogged settling tank discharge line. The shutdown was discovered on 5/6/10. The discharge line was snaked out and the system restarted on 5/7/10.
- 8) The system was shut down on 6/8/10 after manual flow rate testing determined that the electronic flow totalizer was programmed incorrectly, resulting in low reporting of flow volumes. The totalizer was re-programmed and the system restarted on 6/15/10, KCIW was notified on 6/21/10, and issued a Notice of Permit Violation for Exceeding Maximum Daily Discharge Volume dated 9/14/10. The discharge volumes shown in this table have been corrected.
- 9) The system was shut down on 10/26/10 after an exceedence of the Daily Average limit for arsenic was received from the laboratory. A composite sample was collected immediately prior to system shutdown, and KCIW was notified. The arsenic concentration shown represents the average of the two October 2010 samples
- 10) The system was restarted on 12/23/10 after a letter was received from KCIW regarding the October 2010
- 11) High arsenic results in December 2010 and January 2011 prompted the decision to clean out the settling tank. Accumulated sediment was removed from the tank on 3/10/11 and disposed of as non-hazardous waste
- 12) The system was shut down on 4/15/11 after an exceedence of the Daily Average limit for arsenic was received from the laboratory. A grab sample was collected immediately prior to system shutdown, and KCIW was notified. The arsenic concentration shown represents the average of the two April 2011 samples
- 13) After visiting the site, KCIW recommended that a "tee" be installed inside the settling tank on the gravity discharge line, and that additional monthly inspection and maintenance steps be completed. The "tee" was installed, and the system was re-started on 6/14/11 after approval was received from KCIW.







Arsenic conentration inug/L Arsenic conentration inµg/l CMW-1 CMW-2S 2006 2007 2006 2007 2008 2009 2010 2011 Arsenic conentration inug/L Arsenic conentration inug/L CMW-3 CMW-2D 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2006 2007 2008 2009 2010 2013 2014 2015 2016 2017 Arsenic conentration inug/L Arsenic conentration inug/L CMW-4S CMW-4D 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2006 2007 2008 2009 2010 2011 Arsenic conentration inug/L Arsenic conentration inug/L CMW-6 CMW-5 2006 2007 2008 2009 2010 2011 2012 2006 2007 2008 2009 2010 Arsenic conentration inµg/L Arsenic conentration inug/L WP-1A WP-8

Aspect Consulting 7/18/2017

2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017

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2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017

Figure 4 - Trends in Arsenic Concentrations in Groundwater at Extraction Wells

Red line represents site cleanup level for dissolved Arsenic (20 ug/L)

Dashed green lines represent the startup and shutdown of the Groundwater Pump and Treat System

Total arsenic results are displayed from 9/2009 to 6/2010, Dissolved arsenic results displayed from 9/2010 to present Blue symbols represent samples collected while extraction well had not been operating during the month preceding sampling

Green symbols represent samples collected when extraction well had been operating during the month preceding sampling

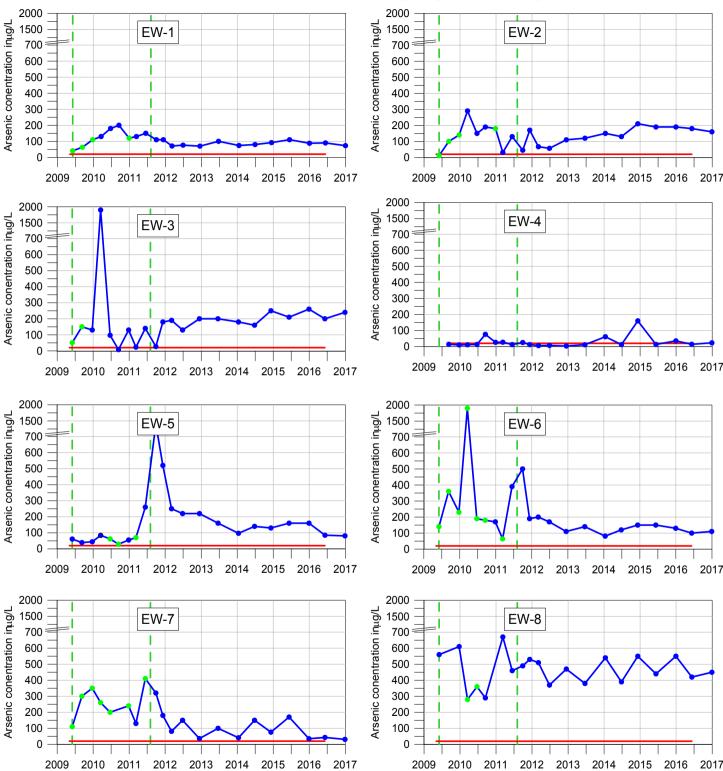


Figure 4
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