REPORT

2023 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

Byproduct Storage Area B

St. Johns River Power Park

Jacksonville, Florida

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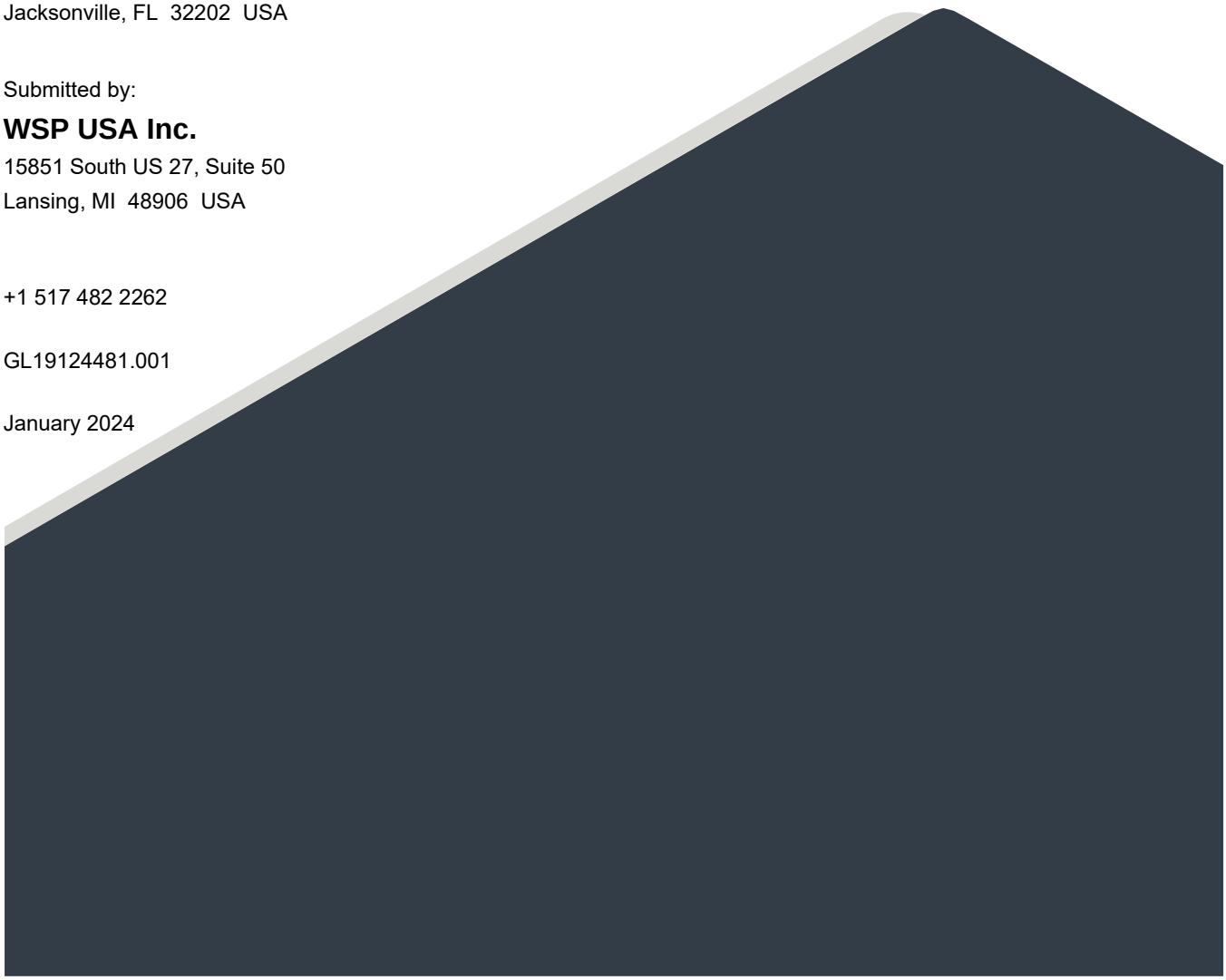

Distribution List

JEA

Executive Summary

Pursuant to the Coal Combustion Residual (CCR) Rule[1], this Annual Groundwater Monitoring and Corrective Action report has been prepared for the Byproduct Storage Area B (BSA-B) at the St. Johns River Power Park (SJRPP) on behalf of JEA. This Annual Report has been prepared to meet the requirements of §257.90(e).

Pursuant to §257.94(b), JEA initiated background monitoring (the collection of a minimum of eight independent samples before October 2017) in November 2015 and completed it in June 2017. Detection monitoring for Appendix III constituents was initiated in October 2017. A statistical analysis of the October 2017 sampling data and subsequent verification sampling in December 2017, identified statistically significant increases (SSIs) for boron, calcium, chloride, fluoride, sulfate, and total dissolved solids in groundwater samples from downgradient monitoring wells.

Based on the SSI determination in January 2018, an assessment monitoring program was established in March 2018 in accordance with §257.94(e)(1). Annual assessment monitoring events for all Appendix IV parameters are conducted in March of each year. Subsequent semi-annual events are conducted in June and December for all Appendix III parameters and Appendix IV parameters detected during the annual event.

In October 2018, a statistical analysis of Appendix IV results from downgradient wells indicated that radium 226+228 was at a statistically significant level above the groundwater protection standards for the site at one monitoring well (CCR-6). The assessment of corrective measures was initiated on January 13, 2019, and finalized on June 12, 2019.

In May 2020, a statistical analysis of Appendix IV results from downgradient wells indicated that radium 226+228 was at a statistically significant level above the groundwater protection standards for the site at one additional monitoring well (CCR-7). A subsequent statistical analysis of the downgradient well Appendix IV results in September 2020, identified molybdenum at a statistically significant level above the groundwater protection standard at monitoring well CCR-6. An addendum to the assessment of corrective measures was completed on December 1, 2020, to address radium 226+227 at CCR-7 and molybdenum at CCR-6.

JEA held a public meeting in accordance with §257.96(e) to discuss the results of the assessment of corrective measures and the assessment of corrective measures addendum. A notification of the intent to close BSA-B was issued on December 11, 2020.

On January 4, 2022, a combination of source control (closure of BSA-B) and monitored natural attenuation was selected as the remedy to address the groundwater impacts at BSA-B. JEA has implemented the selected remedy. The closure construction of BSA-B was completed in January 2022. The corrective action groundwater monitoring program was established in March 2022. This report constitutes an Annual Groundwater Monitoring and Corrective Action report consistent with selected remedy.

[1] 40 Code of Federal Regulations Part 257 (40 CFR 257), Subpart D – Standards for the Disposal of Coal Combustion Residuals in Landfills and Surface Impoundments, Published in Federal Register / Vol. 80, No. 74, April 17, 2015.

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1.0 INTRODUCTION

Pursuant to the Coal Combustion Residual (CCR) Rule, this Annual Groundwater Monitoring and Corrective Action report has been prepared for the Byproduct Storage Area B (BSA-B) at the St. Johns River Power Park (SJRPP) on behalf of JEA. This Annual Report has been prepared to meet the requirements of §257.90(e).

1.1 Site Information and Background

The SJRPP facility is located at 11201 New Berlin Road in Jacksonville, Florida. A site location map is provided on **Figure 1**. SJRPP consisted of two coal-fired steam-electric generation units and associated facilities. Decommissioning of the two coal-fired steam-electric generation units began in 2018. The primary CCRs generated at SJRPP included fly ash, bottom ash, and synthetic gypsum, a flue gas desulfurization product. BSA-B encompasses approximately 25 acres in the northeast portion of the SJRPP. BSA-B is a closed landfill cell that received residual CCRs that were not sold for off-site beneficial use. Closure construction was completed in January 2022.

1.2 Site Hydrogeology

The main hydrogeologic units at BSA-B are an unconfined surficial aquifer system and the Floridan aquifer system (Golder 2007 and Geosyntec 2013). The surficial aquifer system, which is the uppermost water-bearing unit at BSA-B, is subdivided into three zones: 1) upper, 2) intermediate, and 3) deep zones. The underlying Hawthorn Group (generally encountered at about 98 to 106 feet below ground surface at BSA-B) consists of low-permeability sediments (i.e., silty clays, clayey silts, and sandy clays) that are confining units for the deeper Floridan aquifer. The upper zone of the surficial aquifer is the most transmissive zone of the surficial aquifer (Golder 2007). The prevailing directions of groundwater flow in the upper zone of the surficial aquifer are generally from the northwest to east with southeastern components of flow. The groundwater flow velocity is approximately 17 feet/per year. The average hydraulic conductivity, of the upper zone of the surficial aquifer, determined from slug tests of monitoring wells, is approximately 5 feet/day.

1.3 CCR Groundwater Monitoring Well Network

The CCR groundwater monitoring network for BSA-B at SJRPP consists of three background monitoring wells (CCR-1, CCR-2, and CCR-3) and four downgradient monitoring wells (CCR-4, CCR-5, CCR-6, and CCR-7) (Golder 2017a). Background and downgradient monitoring wells have been installed with screen intervals in the upper zone of the surficial aquifer (total depth of approximately 20 feet below ground surface). The background wells (CCR-1, CCR-2, and CCR-3) are located such that they represent background groundwater quality that has not been affected by a CCR unit and represent groundwater quality in the same zone as the downgradient monitoring wells. Downgradient monitoring wells (CCR-4 through CCR-7) have been installed as close as practical to the waste boundary to accurately represent the quality of groundwater passing the waste boundary. The monitoring wells have been encased in a manner that maintains the integrity of the monitoring well borehole. CCR groundwater monitoring well locations (CCR-1 through CCR-7) are shown on **Figure 2** and monitoring well construction data are provided in **Table 1**.

The corrective action groundwater monitoring network (also referred to as the Monitored Natural Attenuation (MNA) groundwater monitoring network) includes wells AW-6, AW-7, AW-9, and AW-10 in addition to the above-mentioned CCR-series wells. Additional monitoring points (piezometers) were installed downgradient of BSA-B as part of the nature and extent evaluation. Piezometers were constructed during standard monitoring well procedures. MNA groundwater monitoring locations and piezometer locations are shown on **Figure 2** and construction details are provided in **Table 1**.

Table 1: Summary of Monitoring Well and Piezometer Construction Details

Well ID	Date Installed	Northing (ft NAD83)	Easting (ft NAD83)	Ground Surface Elevation (ft NAVD88)	TOC Elevation (ft NAVD88)	Stick-up Height (feet)	Well Depth (ft bgs)	Screen Interval Depth (ft bgs)
CCR-1	10/20/2015	2221016.34	485450.08	13.37	16.58	3.21	19.79	9.79-19.79
CCR-2	10/20/2015	2222219.71	485292.98	14.45	18.06	3.61	19.49	9.49-19.49
CCR-3	10/20/2015	2222897.83	485087.81	14.22	17.74	3.52	19.78	9.78-19.78
CCR-4	10/21/2015	2221065.31	486365.39	17.87	20.73	2.86	20.84	10.84-20.84
CCR-5	10/21/2015	2221064.27	486865.44	15.44	18.29	2.85	20.35	10.35-20.35
CCR-6	10/21/2015*	2221456.13	487055.97	13.08	16.03	3.0	20.1	10.1-20.1
CCR-7	10/22/2015	2221887.42	487053.83	12.44	15.72	3.28	20.12	10.12-20.12
AW-1[1]	11/29/2018	2221266.24	487136.19	14.4	17.16	2.76	20.24	10.24-20.24
AW-2[1]	11/29/2018	2221416.04	487138.12	13.3	16.14	2.84	20.16	10.16-20.16
AW-3[1]	11/30/2018	2221699.22	487139.98	11.8	14.46	2.66	20.34	10.34-20.34
AW-4[1]	2/8/2019	2221703.97	487052.84	10.5	13.49	2.99	20.01	10.01-20.01
AW-5[1]	2/7/2019	2221677.18	487248.41	10.6	13.46	2.86	20.14	10.14-20.14
AW-6	2/7/2019	2221371.74	487620.88	10.8	13.76	2.96	20.04	10.04-20.04
AW-7	2/7/2019	2221217.37	488105.81	10.2	13.17	2.97	20.03	10.03-20.03
AW-8[1]	10/21/2019	2221898.38	487253.86	10.7	13.16	2.42	20.1	10.08-20.08
AW-9	5/21/2020	2221969.03	487506.26	9.4	12.16	2.81	20.3	10.27-20.27
AW-10	4/1/2022	2221225.67	488297.57	7.1	10.20	3.13	20.4	10.37-20.37

Notes:
1 – Piezometers were installed as part of the characterization required by §257.95(g)(1).
* - Well CCR-6 was repaired 7/29/2020 and resurveyed on 8/6/2020.
TOC - Top of Casing
ft bgs - feet below ground surface
ft TOC - feet below top of casing
NAD83 - Horizontal Control: North American Datum, State Plan Coordinate System Florida, East Zone
NAVD88 - Vertical Control: North American Vertical Datum of 1988

2.0 CCR GROUNDWATER MONITORING ACTIVITIES

A statistically significant increase (SSI) analysis of the detection monitoring event performed on October 11, 2017, indicated several SSIs of Appendix III constituents for downgradient wells above background concentrations (Golder 2018a). The SSI determination was made on January 15, 2018. Pursuant to §257.94(e)(1), an assessment monitoring program was established for BSA-B in March 2018. The initial annual assessment monitoring event was conducted on March 26, 2018, and subsequent semi-annual assessment monitoring events were conducted on June 27, 2018, and December 19, 2018.

A statistical analysis of the assessment monitoring results from June 2018 indicated that radium 226+228 was at a statistically significant level (SSL) above the groundwater protection standard (GWPS) at CCR-6 (Golder 2018c). Assessment of corrective measures was initiated on January 13, 2019, in accordance with §257.96 (Golder 2019a) and completed on June 12, 2019 (Golder 2019c).

A statistical analysis of the assessment monitoring results from December 2019 indicated that radium 226+228 was at a SSL above the GWPS at CCR-7 (Golder 2020b). A subsequent statistical analysis of the assessment monitoring results from June 2020 indicated that molybdenum was at a SSL above the GWPS at CCR-6 (Golder 2020c). An addendum to the assessment of corrective measures was completed on December 1, 2020, in accordance with §257.96 (Golder 2020d). JEA held a public meeting to discuss the results of the assessment of corrective measures and the assessment of corrective measures addendum on December 17, 2020. A combination of source control (closure of BSA-B) and monitored natural attenuation was selected as the remedy to address groundwater impacts at BSA-B on January 4, 2022 (WSP Golder 2022a). The Corrective Action Groundwater Monitoring Program, prepared pursuant to §257.98(a)(1), was established in March 2022 (WSP Golder 2022d).

Pursuant to §257.90(e), the following sections describe the groundwater monitoring activities performed during the preceding calendar year.

2.1 Monitoring Well Installation and Decommissioning

In accordance with the Corrective Action Groundwater Monitoring Program (WSP Golder 2022d), one additional monitoring well was installed further downgradient from AW-7. Monitoring well AW-10 was installed on April 1, 2022 (WSP Golder 2022e). The well was constructed using standard monitoring well procedures and was installed with the screen interval in the upper zone of the surficial aquifer, consistent with other AW- and CCR-series wells.

2.2 Groundwater Sampling Activities

The groundwater sampling activities related to the CCR groundwater monitoring program for BSA-B that occurred during 2023 are described in the sections below.

2.2.1 Assessment Monitoring

The sixth annual assessment monitoring event was conducted on March 28-29, 2023, and subsequent semi-annual assessment monitoring events were conducted on June 20-21, 2023, and December 12-13, 2023. Assessment monitoring laboratory analytical data is summarized in Tables A-1 to A-3 in **Appendix A.**

During the annual assessment monitoring event, samples were collected from the CCR groundwater monitoring well network (CCR-1 through CCR-7) and analyzed for all Appendix IV constituents in accordance with §257.95(a).

During the subsequent semi-annual assessment monitoring events in June and December 2023, samples were collected from the CCR groundwater monitoring well network (CCR-1 through CCR-7) and analyzed for all

Appendix III constituents and detected Appendix IV constituents from the annual monitoring event (all Appendix IV constituents other than cadmium and thallium).

Laboratory analytical results are provided in **Appendix B**.

2.2.2 Corrective Action Monitoring

Corrective action groundwater samples were collected semi-annually during the routine assessment monitoring events in June and December 2023 from the MNA network wells (AW-6, AW-7, AW-9, and AW-10). Samples were analyzed for all Appendix III constituents and detected Appendix IV constituents from the annual monitoring event (all Appendix IV constituents other than cadmium and thallium). Additionally, during the June 2023 event, samples from CCR-6, CCR-7, AW-6, AW-7, AW-9 and AW-10 were analyzed for attenuation parameters including: aluminum, iron, magnesium, potassium, sodium, nitrate, nitrite, phosphorus, alkalinity and hardness.

Additionally, a characterization sampling was performed during the annual monitoring event in March 2023. Samples were collected from AW-6, AW-7, AW-9, and AW-10 and were analyzed for molybdenum and radium 226+228.

Laboratory analytical results are provided in **Appendix B**.

2.3 Groundwater Sampling Methodology

CCR groundwater sampling at BSA-B was performed in accordance with §257.93(a). The monitoring wells were purged and sampled using low-flow sampling techniques (Golder 2015). Before purging, the depth to water level was measured for each well using an electronic water level indicator. The monitoring wells were purged and sampled using dedicated low-flow pneumatic bladder pumps or peristaltic pumps (AW-series). Calibrated water quality meters were used to monitor field stabilization parameters, including pH, specific conductance, temperature, dissolved oxygen, oxygen reduction potential, and turbidity. After the water quality parameters stabilized, groundwater samples were collected and placed into iced coolers under chain-of-custody control pending delivery to the laboratory. Following sample collection, the samples were delivered to the JEA Springfield laboratory for analysis. The JEA laboratory sent select samples to Pace Analytical Services, LLC for analysis.

3.0 CCR GROUNDWATER DATA EVALUATION

3.1 Groundwater Flow Rate and Direction

Groundwater elevation measurements were recorded for the CCR groundwater monitoring network during each sampling event at BSA-B. A summary of the groundwater elevations recorded for the background and detection monitoring events is provided in **Table 2**. Groundwater elevation data was used to develop potentiometric surface maps for the assessment monitoring events in March 2023, June 2023, and December 2023 (**Figures 2** through **Figure 4**, respectively). The hydraulic gradient (direction and magnitude) for each sampling event was calculated using the least-squares method of fitting the data to a plane. The average hydraulic gradient was 0.0021 feet per feet with an average eastward direction. A summary of the hydraulic gradients for each sampling event is provided in **Table 2**.

Table 2: Summary of Groundwater Elevation Measurements

Well ID	28 March 2023		20 June 2023		12 December 2023	
	Depth to Water (ft TOC)	Groundwater Elevation (ft NAVD88)	Depth to Water (ft TOC)	Groundwater Elevation (ft NAVD88)	Depth to Water (ft TOC)	Groundwater Elevation (ft NAVD88)
CCR-1	7.33	9.25	6.57	10.01	5.12	11.46
CCR-2	8.49	9.57	8.89	9.17	6.11	11.95
CCR-3	7.85	9.89	6.85	10.89	5.50	12.24
CCR-4	12.58	8.15	12.13	8.60	10.02	10.71
CCR-5	11.63	6.66	10.49	7.80	9.52	8.77
CCR-6	9.95	6.12	9.48	6.59	8.30	7.77
CCR-7	9.36	6.36	8.79	6.93	7.81	7.91
AW-4	NM	NM	6.58	6.88	NM	NM
AW-5	8.10	5.36	7.58	5.88	NM	NM
AW-6	8.69	5.07	8.31	5.45	6.67	7.09
AW-7	8.56	4.61	8.09	5.08	6.60	6.57
AW-8	7.57	5.59	7.08	6.08	NM	NM
AW-9	7.22	4.94	6.18	5.98	5.24	6.92
AW-10	6.68	3.52	5.84	4.36	5.19	5.01
Hydraulic Gradient (ft/ft)	2.03×10^{-3}		2.18×10^{-3}		2.28×10^{-3}	
Flow Direction (degrees from N)	81.79		83.08		80.71	
Coefficient of Determination	0.966		0.877		0.970	

Notes:
Hydraulic Gradient calculated using the least squares method of fitting data to a plane
ft/ft - feet per foot
degrees from N - degrees from north in a clockwise direction
NM - not measured
ft TOC - feet below top of casing

3.2 Groundwater Protection Standards

The CCR Rule requires the establishment of GWPS for any Appendix IV constituent that is detected in downgradient monitoring wells (§257.95(d)(2) and §257.95(h)). During the fifth annual groundwater sampling event in March 2022, all Appendix IV parameters other than antimony, cadmium and thallium were detected. The following GWPS have been established for BSA-B:

Table 3: Groundwater Protection Standards

Parameter	BSA-B GWPS	Basis
Arsenic	10 µg/L	MCL
Barium	2000 µg/L	MCL
Beryllium	4 µg/L	MCL
Chromium	100 µg/L	MCL
Cobalt	6 µg/L	CCR Rule GWPS
Fluoride	4 mg/L	MCL
Lead	15 µg/L	CCR Rule GWPS
Lithium	40 µg/L	CCR Rule GWPS
Mercury	2 µg/L	MCL
Molybdenum	100 µg/L	CCR Rule GWPS
Radium 226+228	5 pCi/L	MCL
Selenium	50 µg/L	MCL

MCL = Federal maximum contaminant level per §141.62 and §141.66.

3.3 Assessment Monitoring Statistical Analysis

The goal of the assessment monitoring program is to determine if downgradient monitoring well concentrations are at statistically significant levels (SSL) relative to the GWPS. The statistical analysis was performed in accordance with the Statistical Analysis Plan for CCR Groundwater Monitoring (Golder 2017b).

This assessment monitoring statistical analysis has been limited to those wells and parameters that had a maximum concentration above the GWPS. Given that BSA-B is an existing unlined facility and there was no evidence of a shift in the constituent results from a well, the Appendix IV data from the background period as well as assessment monitoring was used to calculate the lower confidence limit (LCL) at a 95% confidence level.

Appendix IV groundwater data collected during the background monitoring period was presented in the previous annual groundwater reports (Golder 2018b, Golder 2019b, Golder 2020a, Golder 2021a, WSP Golder 2022b, WSP 2023a).

3.3.1 December 2022 Monitoring Event Statistical Analysis Evaluation

The updated statistical analysis of the results from the December 2022 semi-annual assessment monitoring event is summarized below:

Table 4: December 2022 Statistical Evaluation Summary

Parameter	Well ID	LCL	Method
Antimony	CCR-4	1.50 µg/L	The confidence interval around arithmetic mean
Arsenic	CCR-4	-1.03 µg/L	Non-parametric confidence band around Theil-Sen trend line
Beryllium	CCR-4	-1.34 µg/L	Non-parametric confidence band around Theil-Sen trend line
Beryllium	CCR-5	0.74 µg/L	The confidence interval around normal mean (outlier removed)
Molybdenum	CCR-6	-9.38 µg/L	Non-parametric confidence band around Theil-Sen trend line (truncated dataset)
Radium 226+228	CCR-4	3.58 pCi/L	Confidence band around the linear regression trend line
Radium 226+228	CCR-6	0.73 pCi/L	Confidence band around the linear regression trend line
Radium 226+228	CCR-7	6.50 pCi/L	The confidence interval around normal mean (truncated dataset)
Selenium	CCR-4	5.49 µg/L	The confidence interval around arithmetic mean (outlier removed)

One SSL above the GWPS was identified for radium 226+228 at CCR-7.

3.3.2 June 2023 Monitoring Event Statistical Analysis Evaluation

The updated statistical analysis of the results from the June 2023 semi-annual assessment monitoring event is summarized below:

Table 5: June 2023 Statistical Evaluation Summary

Parameter	Well ID	LCL	Method
Antimony	CCR-4	1.42 µg/L	The confidence interval around arithmetic mean
Arsenic	CCR-4	-1.10 µg/L	Non-parametric confidence band around Theil-Sen trend line
Beryllium	CCR-4	-1.90 µg/L	Non-parametric confidence band around Theil-Sen trend line
Beryllium	CCR-5	0.87 µg/L	The confidence interval around arithmetic mean
Molybdenum	CCR-6	-23.3 µg/L	Non-parametric confidence band around Theil-Sen trend line (truncated dataset)
Radium 226+228	CCR-4	2.74 pCi/L	Confidence band around linear regression trend line
Radium 226+228	CCR-6	1.19 pCi/L	Non-parametric confidence band around Theil-Sen trend line
Radium 226+228	CCR-7	6.12 pCi/L	The confidence interval around normal mean (truncated dataset)
Selenium	CCR-4	0.26 µg/L	Non-parametric confidence band around Theil-Sen trend line (outlier removed)

One SSL above the GWPS was identified for radium 226+228 at CCR-7.

4.0 CORRECTIVE ACTION

A combination of source control (closure of BSA-B) and MNA was selected as the remedy to address the groundwater impacts at BSA-B.

Source control measures will reduce or eliminate further releases to groundwater from BSA-B. Closure construction of BSA-B was initiated in December 2020 and was completed in January 2022 (WSP Golder 2022c).

4.1 Remedy Implementation

MNA is a remedial measure that relies on a range of natural processes, including physical and chemical, to reduce groundwater contamination concentrations. Golder performed an evaluation of MNA to address radium 226+228 and molybdenum impacts at BSA-B (WSP Golder 2022a).

As part of the remedy implementation, a corrective action groundwater monitoring program was established in accordance with §257.98(a)(1) which included a Tier IV of the MNA evaluation. Additionally, a deed notation was recorded in October 2022 noting that the land has been used as a CCR unit and its use is restricted under post-closure care requirements.

In accordance with §257.98(c), the remedy will be considered complete when:

- The GWPS is achieved at all points within the plume beyond the established CCR groundwater monitoring well network;
- The GWPS has not been exceeded for three years using statistical and performance procedures; and
- All actions required to complete the remedy are complete.

4.2 Corrective Action Groundwater Data Evaluation

Pursuant to the corrective action monitoring program, the effectiveness of the remedy will be assessed by the continued statistical evaluation of radium and molybdenum concentrations in CCR wells with respect to GWPS, evaluation of long-term trends of radium 226+228 and molybdenum in CCR and MNA monitoring wells, and periodic evaluation of general geochemical parameters (collected in June 2023).

4.2.1 Molybdenum

Molybdenum was noted at an SSL above the GWPS at CCR-6 based on the statistical analysis of the assessment monitoring results from June 2020. No SSLs for molybdenum at CCR-series wells were identified in 2023. Molybdenum concentrations have been less than the GWPS at CCR-6 since June 2021 and a statistically significant decreasing trend was identified for molybdenum at CCR-6 using a truncated data set (post-concentration shift noted in June 2019). No detections above the GWPS have been noted in the MNA groundwater network. These results indicate that attenuation of molybdenum is occurring at BSA-B and the molybdenum plume is stable or shrinking at BSA-B.

4.2.2 Radium 226+228

Radium 226+228 was noted at a SSL above the GWPS at CCR-6 in October 2018 and CCR-7 in May 2020.

- Radium 226+228 concentrations at CCR-6 were at or below the GWPS from October 2019 through December 2021. Recent concentrations of radium 226+228 at CCR-6 were at or above the GWPS in March 2022, June 2022; and June 2023; however, there is a statistically significant decreasing trend in radium 226+228 concentrations for CCR-6.

- Radium 226+228 concentrations at CCR-7 are still noted at a SSL above the GWPS. CCR-7 radium 226+228 concentrations have an increasing overall trend; however, concentrations appear to be stabilizing. There is no statistically significant trend identified in the last 16 sampling events and the June and December 2023 concentration was at or below the GWPS.
- There was a statistically significant decreasing trend identified in AW-6 radium 226+228 concentrations. No statistically significant trends were identified in the remaining MNA network monitoring wells, AW-7, AW-9, and AW-10, for radium 226+228, however, concentrations appear to be generally decreasing. Radium 226+228 concentrations in the MNA network wells were at or below the GWPS except for detection in March 2023 at AW-10.

These radium 226+228 results indicate that in general, the radium 226+228 plume is stable or shrinking (decreasing concentrations in AW-7, AW-9 and AW-10 and the statistically significant trends at AW-6, CCR-6 and CCR-7; however, additional sampling and data evaluation is necessary to assess the effectiveness of the attenuation processes.

From the Tier I MNA evaluation, a correlation was observed between total radium 226+228 and phosphorus and uranium in overburden samples at the site (Golder 2021b). Radium is a daughter product of uranium decay and uranium frequently occurs in association with phosphate minerals, suggesting that there is likely a natural source of radium 226+228 at the site. A preliminary evaluation of radium concentrations at AW-10 identified that the ratio of radium 226 to radium 228 (Ra226:Ra228) at AW-10 is statistically different than other AW and CCR wells. The mean Ra226:Ra228 ratio at AW-10 is approximately 2.6 while at the majority of other AW and CCR wells the mean ratio is less 1.0. The only other wells with a Ra226:Ra228 ratio greater than 1.0 are AW-7 and CCR-1 which both have a mean ratio of 1.8. The imbalance in radium 226 to radium 228 at these wells may be a possible indication of an alternate source in the vicinity. WSP recommends conducting an alternate source evaluation for radium 226+228 in the vicinity of AW-10.

5.0 CONCLUSIONS AND RECOMMENDATIONS

In accordance with §257.98(a), JEA has implemented remedial activities which included establishing and implementing a corrective action groundwater monitoring program and implementing the selected remedy.

Assessment monitoring will continue during remedy implementation. The seventh annual assessment monitoring event will be performed in March 2024. The subsequent semi-annual assessment monitoring events will be performed in June 2024 and December 2024.

The corrective action monitoring program will continue in order to verify that the selected remedy is achieving the remedial objectives. Corrective action groundwater samples will be collected semi-annually during assessment monitoring events in June 2024 and December 2024. Additionally, an alternate source evaluation for radium 226+228 will be conducted in the vicinity of AW-10.

6.0 REFERENCES

Geosyntec Consultants. 2013. Industrial Wastewater and Solid Waste Groundwater Monitoring Plans, Revision 4, St. Johns River Power Park, Jacksonville Florida, dated June 2013.

Golder. 2015. Technical Memorandum, Groundwater Sampling Methodology and Analytical Procedures, CCR Groundwater Monitoring Plan, Byproduct Storage Area B, St. Johns River Power Park, dated December 14, 2015.

Golder. 2017a. CCR Groundwater Monitoring Network Certification, Byproduct Storage Area B, Phase I Development, St. Johns River Power Park, Jacksonville, Florida, dated October 13, 2017.

Golder. 2017b. Statistical Analysis Plan, CCR Groundwater Monitoring, St. Johns River Power Park, Jacksonville, Florida, dated October 2017.

Golder. 2018a. Statistically Significant Increase Evaluation, Byproduct Storage Area B, St. Johns River Power Park, Jacksonville, Florida, dated January 15, 2018.

Golder. 2018b. 2017 Annual Groundwater Monitoring and Corrective Action Report, Byproduct Storage Area B, St. Johns River Power Park, Jacksonville, Florida, dated January 30, 2018.

Golder. 2018c. Statistically Significant Level Evaluation, Byproduct Storage Area B, St. Johns River Power Park, Jacksonville, Florida, dated October 15, 2018.

Golder. 2019a. Initiation of Assessment of Corrective Measures, Byproduct Storage Area B- CCR Groundwater Monitoring, St. Johns River Power Park, Duval County, Florida, dated January 13, 2019.

Golder. 2019b. 2018 Annual Groundwater Monitoring and Corrective Action Report, Byproduct Storage Area B, St. Johns River Power Park, Jacksonville, Florida, dated January 2019.

Golder. 2019c. Assessment of Corrective Measures, Byproduct Storage Area B, St. Johns River Power Park, dated June 2019.

Golder. 2020a. 2019 Annual Groundwater Monitoring and Corrective Action Report, Byproduct Storage Area B, St. Johns River Power Park, Jacksonville, Florida, dated January.

Golder. 2020b. Statistically Significant Level Evaluation, Byproduct Storage Area B, St. Johns River Power Park, Jacksonville, Florida, dated May 6, 2020.

Golder. 2020c. Statistically Significant Level Evaluation, Byproduct Storage Area B, St. Johns River Power Park, Jacksonville, Florida, dated September 1, 2020.

Golder. 2020d. Assessment of Corrective Measures Addendum, Byproduct Storage Area B, St. Johns River Power Park, dated December 1, 2020.

Golder. 2021a. 2020 Annual Groundwater Monitoring and Corrective Action Report, Byproduct Storage Area B, St. Johns River Power Park, Jacksonville, Florida, dated January 2021.

Golder. 2021b. Monitored Natural Attenuation Evaluation, St. Johns River Power Park, dated October 4, 2021.

JEA. 2007. JEA SJRPP Byproduct Storage Area B, dated April 19, 2007. [This document includes as an attachment a report prepared by Golder in April 2007, Hydrogeologic and Geotechnical Site Evaluation, St. Johns River Power Park Area B By-product Storage Area, Duval County, Florida (Golder 2007)].

WSP Golder. 2022a. Remedy Selection Report, Byproduct Storage Area B, St. Johns River Power Park, Jacksonville, Florida, dated January 4, 2022.

WSP Golder. 2022b. 2021 Annual Groundwater Monitoring and Corrective Action Report, Byproduct Storage Area B, St. Johns River Power Park, Jacksonville, Florida, dated January 2022.

WSP Golder. 2022c. Notification of Closure Completion, St. Johns River Power Park, Byproduct Storage Area B, dated February 8, 2022.

WSP Golder. 2022d. Corrective Action Groundwater Monitoring Program, Byproduct Storage Area B, St. Johns River Power Park, Jacksonville, Florida, dated March 2022.

WSP Golder. 2022e. AW-10 Monitoring Well Installation Report, CCR Rule Compliance Support, Byproduct Storage Area B, St. Johns River Power Park, Jacksonville, Florida, dated May 4, 2022.

WSP. 2023a. 2022 Annual Groundwater Monitoring and Corrective Action Report, Byproduct Storage Area B, St. Johns River Power Park, Jacksonville, Florida, dated January 2023.

Signature Page

WSP USA Inc.

Samuel F. Stafford, PE
Lead Consultant

Donald J. Miller
Senior Vice President

SFS/DJM/ams

https://golderassociates.sharepoint.com/sites/110243/Project Files/6 Deliverables/Annual GW Report/2023/SJRPP 2023 Annual GW Report_01302024.docx

FIGURES

N

LEGEND

- PROPERTY BOUNDARY
- CHAIN LINK FENCELINE
- PHASE I LIMIT OF WASTE
- CCR-1 — CCR GROUNDWATER MONITORING WELL LOCATIONS
- AW-1 — PIEZOMETER LOCATION
- MW-B1 — EXISTING MONITORING WELL

REFERENCE(S)

1.) CCR-SERIES MONITORING WELL AS-BUILT SURVEY PERFORMED BY B.V. & ASSOCIATES, INC. ON NOVEMBER 17, 2015.

2.) AERIAL IMAGE TAKEN FROM DRONE IMAGES (JANUARY 2022) AND FLORIDA DEPARTMENT OF TRANSPORTATION - APLUS, DATED FEBRUARY 2020.

3.) AW-SERIES PIEZOMETERS FROM SURVEY PERFORMED BY R.E. HOLLAND & ASSOCIATES, INC. IN MARCH 2019.

0 100 200
SCALE FEET

CLIENT
JEA

CONSULTANT
wsp

YYYY-MM-DD	2023-10-09
DESIGNED	SFS
PREPARED	BCL
REVIEWED	SFS
APPROVED	DJM

PROJECT
ST. JOHNS RIVER POWER PARK
BYPRODUCT STORAGE AREA B - CCR SUPPORT
JACKSONVILLE, DUVAL COUNTY, FLORIDA

TITLE
CCR GROUNDWATER MONITORING WELLS

PROJECT NO.	Phase	REV.	FIGURE
GL19124481	19124481-T001		1

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI B

1 in

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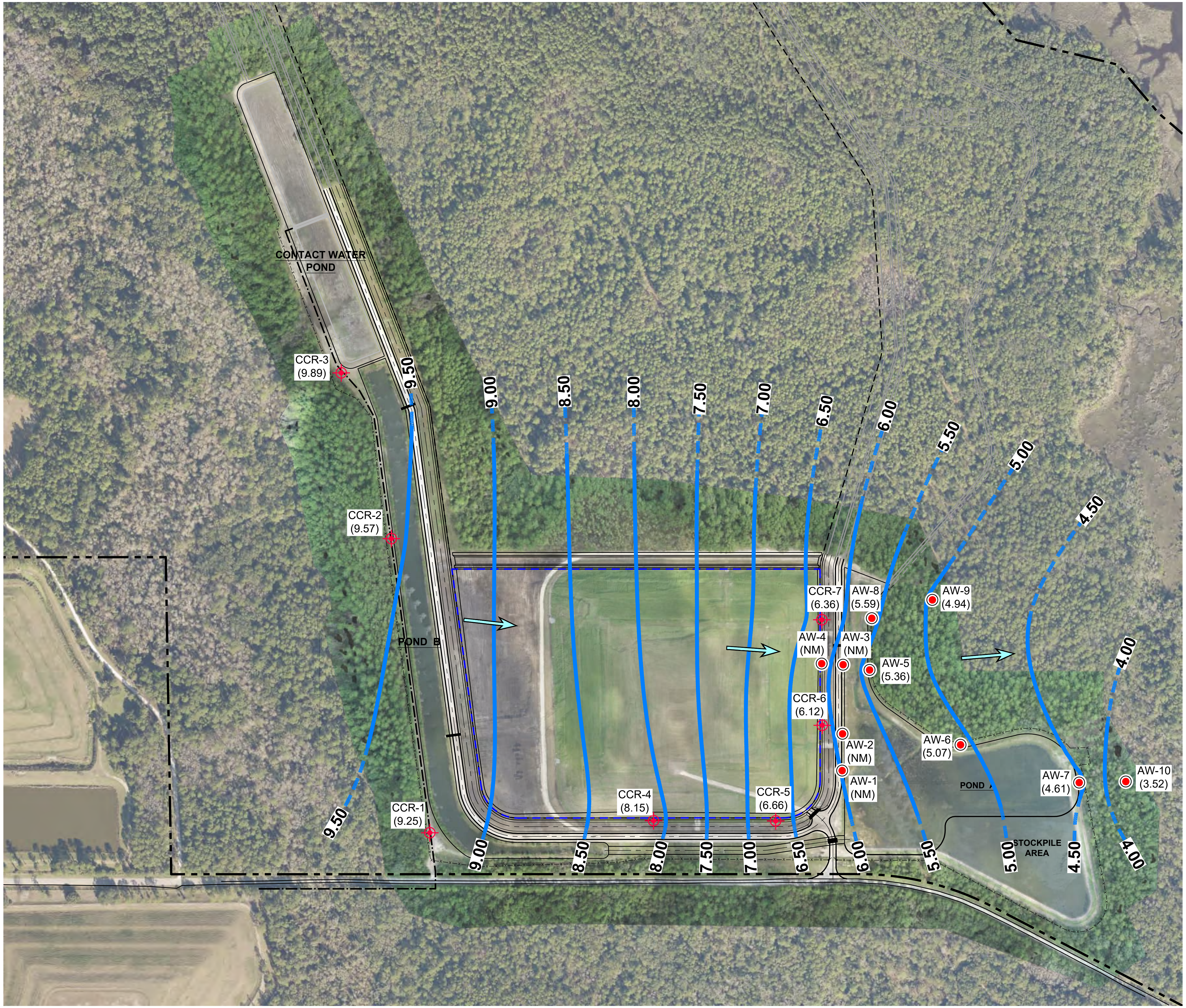


LEGEND

- PROPERTY BOUNDARY
- — X — X — X — X — CHAIN LINK FENCELINE
- PHASE I LIMIT OF WASTE
- CCR-1 — CCR GROUNDWATER MONITORING WELL LOCATIONS
- AW-1 — PIEZOMETER LOCATION
- (6.36) — GROUNDWATER ELEVATION
- 9.00 — GROUNDWATER CONTOUR INTERVAL (DASHED WHERE INFERRED)
- ESTIMATED GROUNDWATER FLOW DIRECTION

REFERENCE(S)

1.) CCR-SERIES MONITORING WELL AS-BUILT SURVEY PERFORMED BY B.V. & ASSOCIATES, INC. ON NOVEMBER 17, 2015.

2.) AERIAL IMAGE TAKEN FROM DRONE IMAGES (JANUARY 2022) AND FLORIDA DEPARTMENT OF TRANSPORTATION - APLUS, DATED FEBRUARY 2020.

3.) AW-SERIES PIEZOMETERS FROM SURVEY PERFORMED BY R.E. HOLLAND & ASSOCIATES, INC. IN MARCH 2019.

0 100 200
SCALE FEET

CLIENT
JEA

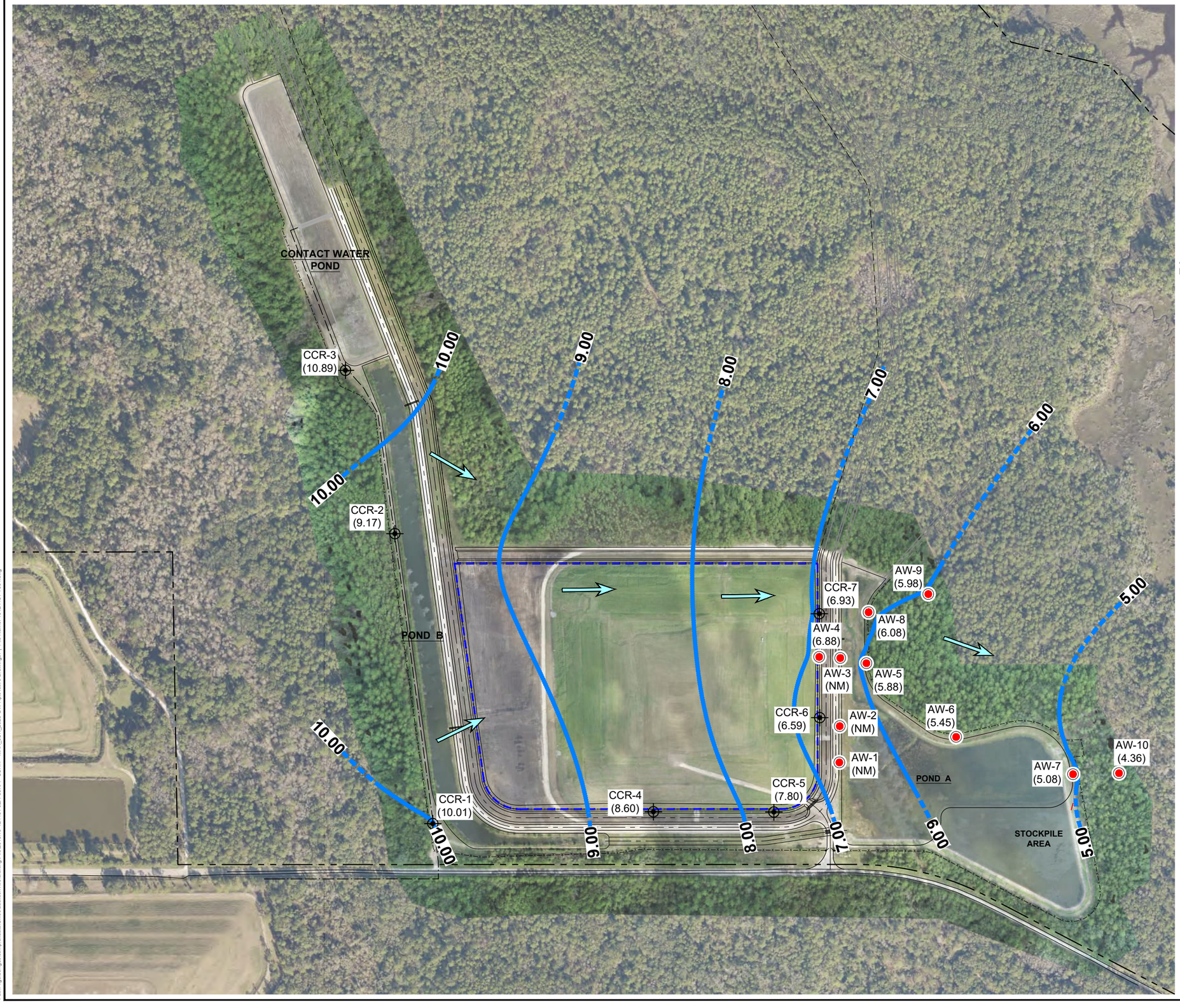
CONSULTANT
wsp

YYYY-MM-DD	2023-10-09
DESIGNED	SFS
PREPARED	BCL
REVIEWED	SFS
APPROVED	DJM

PROJECT
ST. JOHNS RIVER POWER PARK
BYPRODUCT STORAGE AREA B - CCR SUPPORT
JACKSONVILLE, DUVAL COUNTY, FLORIDA

TITLE
POTENTIOMETRIC MAP
(MARCH 28, 2023)

PROJECT NO.	Phase	REV.	FIGURE
GL19124481	19124481-T003		2



LEGEND

- PROPERTY BOUNDARY
- CHAIN LINK FENCELINE
- PHASE I LIMIT OF WASTE
- CCR-1 — CCR GROUNDWATER MONITORING WELL LOCATIONS
- AW-1 — PIEZOMETER LOCATION
- (6.67) — GROUNDWATER ELEVATION (FT-NAVD88)
- 6.0 — GROUNDWATER CONTOUR INTERVAL (DASHED WHERE INFERRED) (FT-NAVD88)
- ESTIMATED GROUNDWATER FLOW DIRECTION

REFERENCE(S)

1.) CCR-SERIES MONITORING WELL AS-BUILT SURVEY PERFORMED BY B.V. & ASSOCIATES, INC. ON NOVEMBER 17, 2015.

2.) AERIAL IMAGE TAKEN FROM DRONE IMAGES (JANUARY 2022) AND FLORIDA DEPARTMENT OF TRANSPORTATION - APLUS, DATED FEBRUARY 2020.

3.) AW-SERIES PIEZOMETERS FROM SURVEY PERFORMED BY R.E. HOLLAND & ASSOCIATES, INC. IN MARCH 2019.

NOTE(S)

0 100 200
SCALE FEET

CLIENT
JEA

CONSULTANT
wsp

YYYY-MM-DD	2023-10-09
DESIGNED	SFS
PREPARED	BCL
REVIEWED	SFS
APPROVED	DJM

PROJECT
ST. JOHNS RIVER POWER PARK
BYPRODUCT STORAGE AREA B - CCR SUPPORT
JACKSONVILLE, DUVAL COUNTY, FLORIDA

TITLE
POTENTIOMETRIC MAP
(JUNE 20, 2023)

PROJECT NO.	Phase	REV.	FIGURE
GL19124481	19124481-T004		3

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI B

1 in 0

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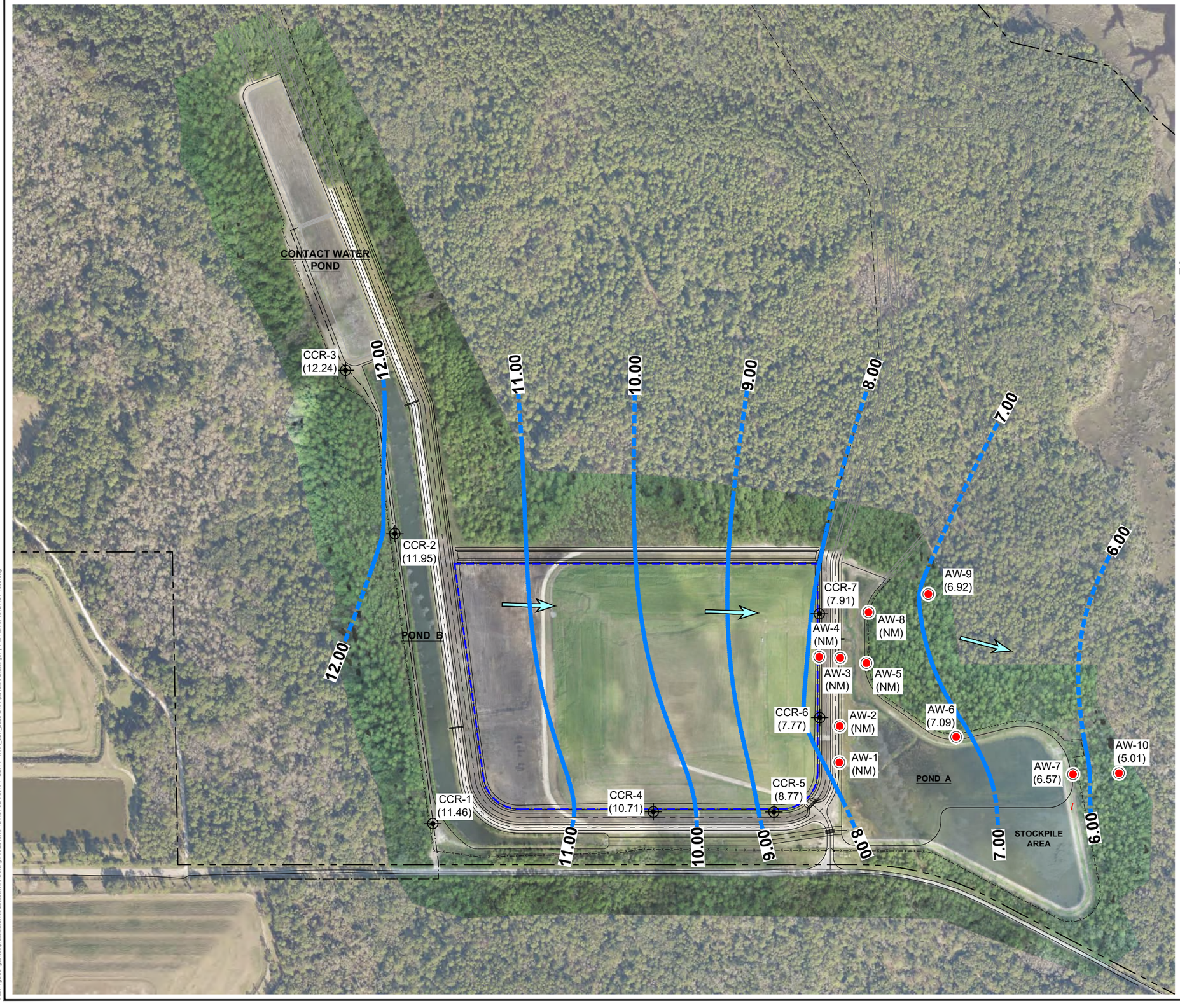

LEGEND

- PROPERTY BOUNDARY
- CHAIN LINK FENCELINE
- PHASE I LIMIT OF WASTE
- CCR-1 — CCR GROUNDWATER MONITORING WELL LOCATIONS
- AW-1 — PIEZOMETER LOCATION
- (6.67) — GROUNDWATER ELEVATION (FT-NAVD88)
- 6.0 — GROUNDWATER CONTOUR INTERVAL (DASHED WHERE INFERRED) (FT-NAVD88)
- ESTIMATED GROUNDWATER FLOW DIRECTION

REFERENCE(S)

1.) CCR-SERIES MONITORING WELL AS-BUILT SURVEY PERFORMED BY B.V. & ASSOCIATES, INC. ON NOVEMBER 17, 2015.

2.) AERIAL IMAGE TAKEN FROM DRONE IMAGES (JANUARY 2022) AND FLORIDA DEPARTMENT OF TRANSPORTATION - APLUS, DATED FEBRUARY 2020.

3.) AW-SERIES PIEZOMETERS FROM SURVEY PERFORMED BY R.E. HOLLAND & ASSOCIATES, INC. IN MARCH 2019.

NOTE(S)

0 100 200
SCALE FEET

CLIENT
JEA

CONSULTANT
wsp

YYYY-MM-DD	2024-01-16
DESIGNED	SFS
PREPARED	BCL
REVIEWED	SFS
APPROVED	DJM

PROJECT
ST. JOHNS RIVER POWER PARK
BYPRODUCT STORAGE AREA B - CCR SUPPORT
JACKSONVILLE, DUVAL COUNTY, FLORIDA

TITLE
POTENTIOMETRIC MAP
(DECEMBER 12, 2023)

PROJECT NO.	Phase	REV.	FIGURE
GL19124481	19124481-T005		4

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI B

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APPENDIX A

Summary of Groundwater Monitoring Results

Table A-1 - March 2023 Annual Assessment Monitoring Event Summary

		Appendix IV																Field Parameters						Additional Parameters	
Well ID	Sample Date	Antimony (ug/L)	Arsenic (ug/L)	Barium (ug/L)	Beryllium (ug/L)	Cadmium (ug/L)	Chromium (ug/L)	Cobalt (ug/L)	Fluoride (mg/L)	Lead (ug/L)	Lithium (ug/L)	Mercury (ug/L)	Molybdenum (ug/L)	Selenium (ug/L)	Thallium (ug/L)	Radium-226 (pCi/L)	Radium-228 (pCi/L)	Total Radium (pCi/L)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	Redox Potential (mV)	Specific Conductance (umhos/cm)	Temperature (Deg.C)	pH (S.U.)	Chloride (mg/L)	Sulfate (mg/L)
CCR 1	29-Mar-23	0.431 U	0.578 I	42.7	0.890 I	0.295 U	0.470 U	0.912 U	0.181 U	1.9	0.12	0.0130 I	4.08 U	1.19 U	0.499 U	0.760 U	0.780 U	1.54	0.9	4.1	107	610	20.5	4.54	12.0	277
CCR 2	29-Mar-23	0.431 U	1.30 I	45.8	1.43 I	0.295 U	4.85 I	4.71 I	1.09	4.0	0.20	0.0170 I	4.08 U	1.19 U	0.499 U	0.868	0.596 U	1.46	0.14	18.3	104	625	20.3	4.38	11.9	289
CCR 3	29-Mar-23	0.431 U	0.406 I	23.3	0.292 U	0.295 U	0.470 U	0.912 U	0.181 U	0.38 I	0.073 U,D3	0.0110 I	4.08 U	1.19 U	0.499 U	0.728 U	1.59	2.32	0.1	7.4	107	1700	20.3	4.71	25.5	1110
CCR 4	29-Mar-23	0.431 U	2.06 I	67.8	0.292 U	0.295 U	2.95 I	0.912 U	1.66	2.7	0.073 U	0.0260 I	6.28 I	2.89	0.499 U	0.790	1.28	2.07	0.06	73	91	2035	21.5	5.88	47.8	1070
CCR 5	29-Mar-23	0.431 U	3.64	107.71	0.392 I	0.295 U	4.96 I	0.912 U	2.55	3.8	0.073 U	0.0350 I	4.08 U	4.32	0.499 U	0.819 U	1.45	2.27	4.1	78	87	2361	21.2	6.02	74.0	1250
CCR 6	29-Mar-23	0.431 U	0.994 I	33.2	0.292 U	0.295 U	0.470 U	0.912 U	0.181 U	0.22 U	0.073 U	0.0120 I	24.5	3.51	0.499 U	1.00	3.40	4.40	0.12	3.4	90	3925	21.2	6.38	201	1920
CCR 7	29-Mar-23	0.431 U	1.39 I	32.3	0.292 U	0.295 U	3.18 I	0.912 U	0.181 U	0.76 I	0.098 I	0.0150 I	4.20 I	4.08	0.499 U	1.56	3.51	5.07	0.1	25	95	3035	21.0	5.03	268	1230
CCR 7 DUP	29-Mar-23	0.431 U	1.35 I	31.8	0.292 U	0.295 U	3.19 I	0.912 U	0.181 U	0.92 I	0.094 I	0.00700 I	4.14 I	3.60	0.499 U	1.67	4.46	**6.13**	0.1	25	95	3035	21.0	5.03	281	1250
CCR Field Blank	29-Mar-23	0.431 U	0.250 U	0.663 U	0.292 U	0.295 U	0.470 U	0.912 U	0.181 U	0.22 U	0.015 U	0.00800 I	4.08 U	1.19 U	0.499 U	0.731 U	0.635 U	1.37	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U
AW-6	28-Mar-23	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4.08 U	NA	NA	0.916U U	0.957	1.87	0.3	4.79	102	1665	22.5	4.39	NA	NA
AW-7	28-Mar-23	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6.58 I	NA	NA	0.907	0.588U U	1.50	1.59	1.1	87	1376	22.8	6.55	NA	NA
AW-9	28-Mar-23	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4.08 U	NA	NA	1.54	1.83	3.37	3.2	1	107	800	20.7	4.28	NA	NA
AW-10	28-Mar-23	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4.08 U	NA	NA	5.61	2.38	**7.99**	0.86	4.39	106	1728	22.1	4.78	NA	NA
Groundwater Protection Standard		6	10	2000	4	5	100	6	4	15	40	2	100	50	2	NA	NA	5	NA	NA	NA	NA	NA	NA	NA	NA

ANALYTE QUALIFIERS

I The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.

U Compound was analyzed for but not detected.

D3 Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

J2 Matrix interferred with ability to make accurate determination

V Indicates that the analyte was detected in both the sample and the associated method blank.

Table A-2 June 2023 Semi-Annual Assessment Monitoring Event Summary

Sample ID	Sample Date	Appendix IV																	Appendix III					Field Parameters					
		Antimony (ug/L)	Arsenic (ug/L)	Barium (ug/L)	Beryllium (ug/L)	Cadmium (ug/L)	Chromium (ug/L)	Cobalt (ug/L)	Fluoride (mg/L)	Lead (ug/L)	Lithium (ug/L)	Mercury (ug/L)	Molybdenum (ug/L)	Selenium (ug/L)	Thallium (ug/L)	Radium-226 (pCi/L)	Radium-228 (pCi/L)	Total Radium (pCi/L)	Boron (ug/L)	Calcium (ug/L)	Chloride (mg/L)	Sulfate (mg/L)	Residue, Filterable (TDS) (mg/L)	DO (Field) Concentration (mg/L)	Field Turb (NTU)	Redox Potential (Field) (mV)	Specific Conductance (Field) (umhos/cm)	Temp (Field) (Deg.C)	pH (Field) (S.U.)
CCR 1	6/20/2023	0.431 U	0.635 I	40.5	0.963 I	0.295 U	0.470 U	0.912 U	0.12	0.181 U	1.2	0.00600 U	4.08 U	1.19 U	0.499 U	2.34	0.884 U	3.22	1141.5	57485	10	239	462	0.25	4.03	47	544	22.7	4.16
CCR 2	6/20/2023	0.431 U	1.28 I	40.8	1.42 I	0.295 U	3.28 I	3.47 I	0.19	1.26	4.7	0.00600 U	4.08 U	1.19 U	0.499 U	0.465	0.915 U	1.38	1161.6	44256	12.5	266	517	0.29	16.9	1.1	575	22.9	4.04
CCR 3	6/20/2023	0.431 U	0.420 I	24.3	0.292 U	0.295 U	0.470 U	0.912 U	0.073 U	0.181 U	0.25 I	0.00600 U	4.08 U	1.19 U	0.499 U	0.717	0.829	1.55	3740.1	389370	24.4 I	1010	1514	0.4	15.5	45.2	1570	22.6	4.93
CCR 4	6/20/2023	0.431 U	2.02 I	49.3	0.292 U	0.295 U	1.43 I	0.912 U	0.073 U	0.713	0.40 I	0.00600 U	4.69 I	1.87 I	0.499 U	0.805 U	0.746 U	1.55	9635.4	402250	39.2	997	1778	0.15	13.5	-154	2026	27.7	5.58
CCR 5	6/21/2023	0.431 U	3.43	110.86	0.592 I	0.295 U	5.06 I	1.57 I	0.23 I	3.07	4.2	0.00600 U	4.08 U	3.77	0.499 U	1.16	0.846	2.01	13981	311720	59.0	1240	2173	5.51	81	-52	2111	23.2	5.71
CCR-6	6/21/2023	0.431 U	0.766 I	46.4	0.292 U	0.295 U	0.470 U	0.912 U	0.073 U,D3	0.181 U	0.59 I	0.00600 U	13.1 I	3.25 J2	0.499 U	2.99	5.25	**8.24**	27524	381340	221	1960	3462	0.37	5.23	-197	3981	23.9	5.92
CCR-7	6/21/2023	0.431 U	0.596 I	13.9 I	0.292 U	0.295 U	1.07 I	0.912 U	0.018 I	0.181 U	0.86 I	0.0270 I	6.61 I	1.19 U	0.499 U	0.853	1.92	2.77	6688.6	169950	43.5	393	866	0.24	18.8	-128	1073	25.2	5.81
CCR 1 DUP	6/20/2023	0.431 U	0.630 I	37.3	0.968 I	0.295 U	0.470 U	0.912 U	0.12	0.181 U	1.1	0.00600 U	4.08 U	1.19 U	0.499 U	1.47	0.711 U	2.5 U	2.5 U	58439	9.9	252	428	0.25	4.03	47	544	22.7	4.16
CCR Field Blank	6/21/2023	0.431 U	0.250 U	0.663 U	0.292 U	0.295 U	0.470 U	0.912 U	0.015 U	0.181 U	0.22 U	0.0210 I	4.08 U	1.19 U	0.499 U	0.865 U	0.971	1.84	5.57 U	41.5	2.5 U	2.5 U	4 I	--	--	--	--	--	--
AW-6	6/21/2023	0.431 U	0.940 I	30.8	0.308 I	0.295 U	0.470 U	0.912 U	0.054 I,D3	0.181 U	0.65 I	0.00600 U	4.08 U	1.19 U	0.499 U	0.680	0.923	1.60	4775.2	274020	43.8	843	1354	0.48	3.07	-30	1570	24.1	4.35
AW-7	6/21/2023	0.431 U	5.30	28.8	0.292 U	0.295 U	0.470 U	0.912 U	0.15 U,D3	0.181 U	0.32 I	0.00600 U	4.31 I	1.19 U	0.499 U	1.52	1.42	2.94	5560.1	235710	44.4	671	1188	0.63	1.6	-194	1413	23.6	6.25
AW-9	6/21/2023	0.431 U	0.522 I	56.4	0.713 I	0.295 U	0.920 I	0.912 U	0.11	0.181 U	0.50 I	0.00600 U	4.08 U	1.19 U	0.499 U	0.945 U	1.83	2.43	245.13	85096	35.4	311	512	0.25	1.8	12	685	21.9	4.11
AW-10	6/21/2023	0.431 U	1.36 I	27.2	1.09 I	0.295 U	0.470 U	0.912 U	0.12	0.181 U	0.54 I	0.00600 U	4.08 U	1.19 U	0.499 U	4.07	1.32	5.39	6182.4	255390	43.5	843	1340	0.37	4.97	-92	1554	22.5	4.31
Groundwater Protection Standar		6	10	2000	4	5	100	6	4	15	40	2	100	50	2	NA	NA	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

ANALYTE QUALIFIERS

I The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
J2 Matrix interfered with ability to make accurate determination
U Compound was analyzed for but not detected.
D3 Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

Sample ID	Sample Date	Attenuation Parameters												
		Aluminum (ug/L)	Iron (ug/L)	Magnesium (ug/L)	Potassium (ug/L)	Sodium (ug/L)	Nitrate (mg/L)	Nitrite (mg/L)	Total Phosphorous (mg/L)	Alkalinity (Bicarbonate) (mg/L)	Alkalinity (Carbonate) (mg/L)	Alkalinity (Total) (mg/L)	T Hardness (as CaCO3) (mg/L)	Specific Conductance (umhos/cm)
CCR-6	6/21/2023	479.78	5076.4	40809	102650	498270	0.12	0.01 U	0.13 U	111	0.00	111	1120	4610
CCR-7	6/21/2023	659.66	550.30	8819.5	29861	44004	0.08	0.01 U	0.13 U	116	0.00	116	461	--
AW-6	6/21/2023	2975.0	1492.7	14387	15019	96798	0.07	0.07	0.13 U	20.0 U	0.00	20.0 U	744	1770
AW-7	6/21/2023	199.26	57.2	14020	20540	84936	0.02 U	0.01 U	0.13 U	68.8	0.00	68.8	646	1550
AW-9	6/21/2023	5361.3	1838.9	12438	1091.5	32789	0.11	0.01 U	0.13 U	20.0 U	0.00	20.0 U	264	767
AW-10	6/21/2023	5692.7	1815.0	13676	17792	91623	0.02 U	0.06	0.13 U	20.0 U	0.00	20.0 U	694	1710

Table A-3 December 2023 Semi-Annual Assessment Monitoring Event Summary

		Appendix IV														Appendix III						Field Parameters				
Sample ID	Sample Date	Arsenic (ug/L)	Barium (ug/L)	Beryllium (ug/L)	Chromium (ug/L)	Cobalt (ug/L)	Fluoride (mg/L)	Lead (ug/L)	Lithium (ug/L)	Mercury (ug/L)	Molybdenum (ug/L)	Selenium (ug/L)	Radium-226 (pCi/L)	Radium-228 (pCi/L)	Total Radium (pCi/L)	Boron (ug/L)	Calcium (ug/L)	Chloride (mg/L)	Sulfate (mg/L)	Residue, Filterable (TDS) (mg/L)	pH (Field) (S.U.)	DO (Field) Concentration (mg/L)	Field Turb (NTU)	Redox Potential (Field) (mV)	Specific Conductance (Field) (umhos/cm)	Temp (Field) (Deg.C)
CCR 1	12/13/2023	0.405 I	35.6	0.927 I	0.766 U	1.49 U	0.10	0.18 U	122 U	0.00600 U	2.79 U	1.2 U	1.37	0.667 U	2.04	1044.5	46011	9.9	219	347	4.23	0.56	3.93	-54	524	22.3
CCR 2	12/13/2023	0.698 I	37.4	1.49 I	2.19 I	1.49 U	0.18	0.46 I	122 U	0.00600 U	2.79 U	1.2 U	0.975 U	0.670 U	1.12 U	1141.3	46678	10.3	262	443	4.13	0.83	19.3	-143	601	22.0
CCR 3	12/13/2023	0.418 I	26.1	0.278 I	0.996 I	1.49 U	0.029 U,D3	0.18 U	122 U	0.00600 U	2.79 U	1.2 U	0.991 U	0.712 U	1.31 U	3589.9	364870	17.5	954	1350	4.37	0.54	5.3	-14	1650	21.4
CCR 4	12/13/2023	1.90 I	72.5	0.334 I	1.83 I	1.49 U	0.073 U,D3	0.65	122 U	0.0690 I	6.37 I	2.9	0.648	0.670	1.32	7966.6	359930	36.4	954	1560	5.53	1.12	9.8	-217	1836	22.8
CCR 5	12/13/2023	2.36 I	69.1	0.297 I	3.08 I	1.49 U	0.046 I,D3	0.53 I	122 U	0.0580 I	2.79 U	2.2 I	1.36	0.888	2.25	7768.0	349560	36.6	1040	1800	5.97	3.87	49	-158	2040	22.5
CCR 6	12/13/2023	0.840 I	45.1	0.129 U	0.766 U	1.49 U	0.073 U,D3	0.18 U	122 U	0.0240 I	10.1 I	13 J2	2.39	2.71	5.10	27222	402420	207	1930	3260	5.99	0.99	5.32	-261	4219	18.7
CCR 7	12/13/2023	0.510 I	22.7	0.129 U	1.51 I	1.49 U	0.017 I	0.18 U	122 U	0.00600 U	11.9 I	2.0 I	0.981	1.24	2.22	8723.3	142430	96.2	448	975	6.27	0.53	14.3	-250	1181	21.0
CCR Field Blank	12/13/2023	0.250 U	0.161 U	0.129 U	0.766 U	1.49 U	0.015 U	0.18 U	122 U	0.00600 U	0.619	1.2 U	0.193 U	0.647 U	0.789 U	3.61 I	12.5 U	2.5 U	2.5 U	--	--	--	--	--	--	--
AW-6	12/12/2023	0.852 I	33.3	0.391 I	0.766 U	1.49 U	0.029 U,D3	0.18 U	122 U	0.00600 U	2.79 U	1.2 I	0.956	0.569 U	1.53	5193.5	254850	42.5	877	1270	4.24	0.83	5.63	-119	1611	23.3
AW-7	12/13/2023	6.24	28.5	0.129 U	0.766 U	1.49 U	0.065	0.18 U	122 U	0.00600 U	7.78 I	1.2 U	1.67	0.860	2.53	7482.0	205300	32.7	259	1020	6.37	0.72	7.9	-294	1446	24.0
AW-9	12/12/2023	0.667 I	46.1	0.655	1.10	1.49 U	0.029 U,D3	0.18 U	122 U	0.00600 U	2.79 U	1.2 U	2.62	1.18	3.80	280.97	78241	46.2	587	430	4.16	22.3	2.61	120	678	20.2
AW-10	12/13/2023	1.71 I	26.3	1.38 I	0.766 U	1.49 U	0.082 I,D3	0.18 U	122 U	0.00600 U	2.79 U	1.5 I	4.23	1.12	5.35	6674.2	233120	44.6	809	1210	4.30	0.80	9.6	-179	1568	21.5
Groundwater Protection Standard		10	2000	4	100	5	4	15	40	2	100	50	NA	NA	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

ANALYTE QUALIFIERS

I The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
J2 Matrix interfered with ability to make accurate determination
U Compound was analyzed for but not detected.
D3 Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

APPENDIX B

Laboratory Analytical Results

March 2023 Laboratory Analytical Results

LAB_SAMPLE_ID	CUST_SAMPLE_ID	COLLECT_DATE	METHOD	CMP_DESC	RESULT	UNITS	QUALIFIERS	MDL	PQL	DIL_FACT	ANAL_DATE_TIME	ANALYST
S230328PPAW6XX01	AW-6	3/28/2023	EPA 200.7 TOTAL	Molybdenum	4.08 U	ug/L		4.08	16.0	1	4/6/2023	AC
S230328PPAW6XX01	AW-6	3/28/2023	EPA 903.1	Radium-226	0.916U	pCi/L	U	0.916	0.916	1	4/17/2023	Pace
S230328PPAW6XX01	AW-6	3/28/2023	EPA 904.0	Radium-228	0.957	pCi/L		0.763	0.763	1	4/11/2023	Pace
S230328PPAW6XX01	AW-6	3/28/2023	Field	DO (Field) Concentration	0.3	mg/L				1	4/5/2023	Field
S230328PPAW6XX01	AW-6	3/28/2023	Field	Field Turb	4.79	NTU				1	4/5/2023	Field
S230328PPAW6XX01	AW-6	3/28/2023	Field	Redox Potential (Field)	102	mV				1	4/5/2023	Field
S230328PPAW6XX01	AW-6	3/28/2023	Field	Specific Conductance (Field)	1665	umhos/cm				1	4/5/2023	Field
S230328PPAW6XX01	AW-6	3/28/2023	Field	Temp (Field)	22.5	Deg.C				1	4/5/2023	Field
S230328PPAW6XX01	AW-6	3/28/2023	Field	pH (Field)	4.39	S.U.				1	4/5/2023	Field
S230328PPAW6XX01	AW-6	3/28/2023	Total Radium Calcula	Total Radium	1.87	pCi/L		1.68	1.68	1	4/20/2023	Pace
S230328PPAW7XX01	AW-7	3/28/2023	EPA 200.7 TOTAL	Molybdenum	6.58	ug/L	I	4.08	16.0	1	4/6/2023	AC
S230328PPAW7XX01	AW-7	3/28/2023	EPA 903.1	Radium-226	0.907	pCi/L		0.542	0.542	1	4/17/2023	Pace
S230328PPAW7XX01	AW-7	3/28/2023	EPA 904.0	Radium-228	0.588U	pCi/L	U	0.588	0.588	1	4/11/2023	Pace
S230328PPAW7XX01	AW-7	3/28/2023	Field	DO (Field) Concentration	1.59	mg/L				1	4/5/2023	Field
S230328PPAW7XX01	AW-7	3/28/2023	Field	Field Turb	1.1	NTU				1	4/5/2023	Field
S230328PPAW7XX01	AW-7	3/28/2023	Field	Redox Potential (Field)	87	mV				1	4/5/2023	Field
S230328PPAW7XX01	AW-7	3/28/2023	Field	Specific Conductance (Field)	1376	umhos/cm				1	4/5/2023	Field
S230328PPAW7XX01	AW-7	3/28/2023	Field	Temp (Field)	22.8	Deg.C				1	4/5/2023	Field
S230328PPAW7XX01	AW-7	3/28/2023	Field	pH (Field)	6.55	S.U.				1	4/5/2023	Field
S230328PPAW7XX01	AW-7	3/28/2023	Total Radium Calcula	Total Radium	1.50	pCi/L		1.13	1.13	1	4/20/2023	Pace
S230328PPAW9XX01	AW-9	3/28/2023	EPA 200.7 TOTAL	Molybdenum	4.08 U	ug/L		4.08	16.0	1	3/31/2023	AC
S230328PPAW9XX01	AW-9	3/28/2023	EPA 903.1	Radium-226	1.54	pCi/L		0.462	0.462	1	4/17/2023	Pace
S230328PPAW9XX01	AW-9	3/28/2023	EPA 904.0	Radium-228	1.83	pCi/L		0.736	0.736	1	4/11/2023	Pace
S230328PPAW9XX01	AW-9	3/28/2023	Field	DO (Field) Concentration	3.2	mg/L				1	4/5/2023	Field
S230328PPAW9XX01	AW-9	3/28/2023	Field	Field Turb	1.0	NTU				1	4/5/2023	Field
S230328PPAW9XX01	AW-9	3/28/2023	Field	Redox Potential (Field)	107	mV				1	4/5/2023	Field
S230328PPAW9XX01	AW-9	3/28/2023	Field	Specific Conductance (Field)	800	umhos/cm				1	4/5/2023	Field
S230328PPAW9XX01	AW-9	3/28/2023	Field	Temp (Field)	20.7	Deg.C				1	4/5/2023	Field
S230328PPAW9XX01	AW-9	3/28/2023	Field	pH (Field)	4.28	S.U.				1	4/5/2023	Field
S230328PPAW9XX01	AW-9	3/28/2023	Total Radium Calcula	Total Radium	3.37	pCi/L		1.20	1.20	1	4/20/2023	Pace
S230328PPAW10XX01	AW-10	3/28/2023	EPA 200.7 TOTAL	Molybdenum	4.08 U	ug/L		4.08	16.0	1	4/6/2023	AC
S230328PPAW10XX01	AW-10	3/28/2023	EPA 903.1	Radium-226	5.61	pCi/L		0.640	0.640	1	4/17/2023	Pace
S230328PPAW10XX01	AW-10	3/28/2023	EPA 904.0	Radium-228	2.38	pCi/L		0.607	0.607	1	4/11/2023	Pace
S230328PPAW10XX01	AW-10	3/28/2023	Field	DO (Field) Concentration	0.86	mg/L				1	4/5/2023	Field
S230328PPAW10XX01	AW-10	3/28/2023	Field	Field Turb	4.39	NTU				1	4/5/2023	Field
S230328PPAW10XX01	AW-10	3/28/2023	Field	Redox Potential (Field)	106	mV				1	4/5/2023	Field
S230328PPAW10XX01	AW-10	3/28/2023	Field	Specific Conductance (Field)	1728	umhos/cm				1	4/5/2023	Field
S230328PPAW10XX01	AW-10	3/28/2023	Field	Temp (Field)	22.1	Deg.C				1	4/5/2023	Field
S230328PPAW10XX01	AW-10	3/28/2023	Field	pH (Field)	4.78	S.U.				1	4/5/2023	Field
S230328PPAW10XX01	AW-10	3/28/2023	Total Radium Calcula	Total Radium	7.99	pCi/L		1.25	1.25	1	4/20/2023	Pace
S230329PPCCR1XX01	CCR 1	3/29/2023	EPA 200.7 TOTAL	Barium	42.7	ug/L		0.663	20.0	1	3/31/2023	AC
S230329PPCCR1XX01	CCR 1	3/29/2023	EPA 200.7 TOTAL	Beryllium	0.890	ug/L	I	0.292	2.00	1	3/31/2023	AC
S230329PPCCR1XX01	CCR 1	3/29/2023	EPA 200.7 TOTAL	Cadmium	0.295 U	ug/L		0.295	4.00	1	3/31/2023	AC
S230329PPCCR1XX01	CCR 1	3/29/2023	EPA 200.7 TOTAL	Chromium	0.470 U	ug/L		0.470	16.0	1	3/31/2023	AC
S230329PPCCR1XX01	CCR 1	3/29/2023	EPA 200.7 TOTAL	Cobalt	0.912 U	ug/L		0.912	20.0	1	3/31/2023	AC
S230329PPCCR1XX01	CCR 1	3/29/2023	EPA 200.7 TOTAL	Molybdenum	4.08 U	ug/L		4.08	16.0	1	3/31/2023	AC
S230329PPCCR1XX01	CCR 1	3/29/2023	EPA 200.8	Lithium	1.9	ug/L		0.22	1.0	1	4/4/2023	Pace
S230329PPCCR1XX01	CCR 1	3/29/2023	EPA 200.8 TOTAL	Antimony	0.431 U	ug/L		0.431	2.50	1	4/4/2023	AB
S230329PPCCR1XX01	CCR 1	3/29/2023	EPA 200.8 TOTAL	Arsenic	0.578	ug/L	I	0.250	2.50	1	4/4/2023	AB
S230329PPCCR1XX01	CCR 1	3/29/2023	EPA 200.8 TOTAL	Lead	0.181 U	ug/L		0.181	0.625	1	4/4/2023	AB
S230329PPCCR1XX01	CCR 1	3/29/2023	EPA 200.8 TOTAL	Selenium	1.19 U	ug/L		1.19	2.50	1	4/4/2023	AB
S230329PPCCR1XX01	CCR 1	3/29/2023	EPA 200.8 TOTAL	Thallium	0.499 U	ug/L		0.499	2.50	1	4/4/2023	AB
S230329PPCCR1XX01	CCR 1	3/29/2023	EPA 245.1	Mercury	0.0130	ug/L	I	0.00600	0.200	1	4/4/2023	KC
S230329PPCCR1XX01	CCR 1	3/29/2023	EPA 300.0	Chloride	12.0	mg/L		2.5	5.0	1	4/3/2023	Pace
S230329PPCCR1XX01	CCR 1	3/29/2023	EPA 300.0	Fluoride	0.12	mg/L		0.015	0.050	1	4/3/2023	Pace
S230329PPCCR1XX01	CCR 1	3/29/2023	EPA 300.0	Sulfate	277	mg/L		25.0	50.0	10	4/4/2023	Pace
S230329PPCCR1XX01	CCR 1	3/29/2023	EPA 903.1	Radium-226	0.760U	pCi/L	U	0.760	0.760	1	4/17/2023	Pace
S230329PPCCR1XX01	CCR 1	3/29/2023	EPA 904.0	Radium-228	0.780U	pCi/L	U	0.780	0.780	1	4/11/2023	Pace
S230329PPCCR1XX01	CCR 1	3/29/2023	Field	DO (Field) Concentration	0.9	mg/L				1	4/5/2023	Field
S230329PPCCR1XX01	CCR 1	3/29/2023	Field	Field Turb	4.1	NTU				1	4/5/2023	Field
S230329PPCCR1XX01	CCR 1	3/29/2023	Field	Redox Potential (Field)	107	mV				1	4/5/2023	Field
S230329PPCCR1XX01	CCR 1	3/29/2023	Field	Specific Conductance (Field)	610	umhos/cm				1	4/5/2023	Field
S230329PPCCR1XX01	CCR 1	3/29/2023	Field	Temp (Field)	20.5	Deg.C				1	4/5/2023	Field
S230329PPCCR1XX01	CCR 1	3/29/2023	Field	pH (Field)	4.54	S.U.				1	4/5/2023	Field
S230329PPCCR1XX01	CCR 1	3/29/2023	Total Radium Calcula	Total Radium	1.54	pCi/L		1.54	1.54	1	4/19/2023	Pace
S230329PPCCR2XX01	CCR 2	3/29/2023	EPA 200.7 TOTAL	Barium	45.8	ug/L		0.663	20.0	1	3/31/2023	AC
S230329PPCCR2XX01	CCR 2	3/29/2023	EPA 200.7 TOTAL	Beryllium	1.43	ug/L	I	0.292	2.00	1	3/31/2023	AC
S230329PPCCR2XX01	CCR 2	3/29/2023	EPA 200.7 TOTAL	Cadmium	0.295 U	ug/L		0.295	4.00	1	3/31/2023	AC
S230329PPCCR2XX01	CCR 2	3/29/2023	EPA 200.7 TOTAL	Chromium	4.85	ug/L	I	0.470	16.0	1	3/31/2023	AC
S230329PPCCR2XX01	CCR 2	3/29/2023	EPA 200.7 TOTAL	Cobalt	4.71	ug/L	I	0.912	20.0	1	3/31/2023	AC
S230329PPCCR2XX01	CCR 2	3/29/2023	EPA 200.7 TOTAL	Molybdenum	4.08 U	ug/L		4.08	16.0	1	3/31/2023	AC
S230329PPCCR2XX01	CCR 2	3/29/2023	EPA 200.8	Lithium	4.0	ug/L		0.22	1.0	1	4/4/2023	Pace
S230329PPCCR2XX01	CCR 2	3/29/2023	EPA 200.8 TOTAL	Antimony	0.431 U	ug/L		0.431	2.50	1	4/4/2023	AB
S230329PPCCR2XX01	CCR 2	3/29/2023	EPA 200.8 TOTAL	Arsenic	1.30	ug/L	I	0.250	2.50	1	4/4/2023	AB
S230329PPCCR2XX01	CCR 2	3/29/2023	EPA 200.8 TOTAL	Lead	1.09	ug/L		0.181	0.625	1	4/4/2023	AB
S230329PPCCR2XX01	CCR 2	3/29/2023	EPA 200.8 TOTAL	Selenium	1.19 U	ug/L		1.19	2.50	1	4/4/2023	AB
S230329PPCCR2XX01	CCR 2	3/29/2023	EPA 200.8 TOTAL	Thallium	0.499 U	ug/L		0.499	2.50	1	4/4/2023	AB
S230329PPCCR2XX01	CCR 2	3/29/2023	EPA 245.1	Mercury	0.0170	ug/L	I	0.00600	0.200	1	4/4/2023	KC
S230329PPCCR2XX01	CCR 2	3/29/2023	EPA 300.0	Chloride	11.9	mg/L		2.5	5.0	1	4/3/2023	Pace
S230329PPCCR2XX01	CCR 2	3/29/2023	EPA 300.0	Fluoride	0.20	mg/L		0.015	0.050	1	4/3/2023	Pace
S230329PPCCR2XX01	CCR 2	3/29/2023	EPA 300.0	Sulfate	289	mg/L		25.0	50.0	10	4/4/2023	Pace
S230329PPCCR2XX01	CCR 2	3/29/2023	EPA 903.1	Radium-226	0.868	pCi/L		0.850	0.850	1	4/17/2023	Pace
S230329PPCCR2XX01	CCR 2	3/29/2023	EPA 904.0	Radium-228	0.596U	pCi/L	U	0.596	0.596	1	4/11/2023	Pace
S230329PPCCR2XX01	CCR 2	3/29/2023	Field	DO (Field) Concentration	0.14	mg/L				1	4/5/2023	Field
S230329PPCCR2XX01	CCR 2	3/29/2023	Field	Field Turb	18.3	NTU				1	4/5/2023	Field
S230329PPCCR2XX01	CCR 2	3/29/2023	Field	Redox Potential (Field)	104	mV				1	4/5/2023	Field
S230329PPCCR2XX01	CCR 2	3/29/2023	Field	Specific Conductance (Field)	625	umhos/cm				1	4/5/2023	Field
S230329PPCCR2XX01	CCR 2	3/29/2023	Field	Temp (Field)	20.3	Deg.C				1	4/5/2023	Field
S230329PPCCR2XX01	CCR 2	3/29/2023	Field	pH (Field)	4.38	S.U.				1	4/5/2023	Field
S230329PPCCR2XX01	CCR 2	3/29/2023	Total Radium Calcula	Total Radium	1.46	pCi/L		1.45	1.45	1	4/19/2023	Pace
S230329PPCCR3XX01	CCR 3	3/29/2023	EPA 200.7 TOTAL	Barium	23.3	ug/L		0.663	20.0	1	4/6/2023	AC
S230329PPCCR3XX01	CCR 3	3/29/2023	EPA 200.7 TOTAL	Beryllium	0.292 U	ug/L		0.292	2.00	1	4/6/2023	AC
S230329PPCCR3XX01	CCR 3	3/29/2023	EPA 200.7 TOTAL	Cadmium	0.295 U	ug/L		0.295	4.00	1	4/6/2023	AC
S230329PPCCR3XX01	CCR 3	3/29/2023	EPA 200.7 TOTAL	Chromium	0.470 U	ug/L		0.470	16.0	1	4/6/2023	AC
S230329PPCCR3XX01	CCR 3	3/29/2023	EPA 200.7 TOTAL	Cobalt	0.912 U	ug/L		0.912	20.0	1	4/6/2023	AC
S230329PPCCR3XX01	CCR 3	3/29/2023	EPA 200.7 TOTAL	Molybdenum	4.08 U	ug/L		4.08	16.0	1	4/6/2023	AC
S230329PPCCR3XX01	CCR 3	3/29/2023	EPA 200.8	Lithium	0.38	ug/L	I	0.22	1.0	1	4/4/2023	Pace
S230329PPCCR3XX01	CCR 3	3/29/2023	EPA 200.8 TOTAL	Antimony	0.431 U	ug/L		0.431	2.50	1	4/4/2023	AB
S230329PPCCR3XX01	CCR 3	3/29/2023	EPA 200.8 TOTAL	Arsenic	0.406	ug/L	I	0.250	2.50	1	4/4/2023	AB
S230329PPCCR3XX01	CCR 3	3/29/2023	EPA 200.8 TOTAL	Lead	0.181 U	ug/L		0.181	0.625	1	4/4/2023	AB
S230329PPCCR3XX01	CCR 3	3/29/2023	EPA 200.8 TOTAL	Selenium	1.19 U	ug/L		1.19	2.50	1	4/4/2023	AB
S230329PPCCR3XX01	CCR 3	3/29/2023	EPA 200.8 TOTAL	Thallium	0.499 U	ug/L		0.499	2.50	1	4/4/2023	AB
S230329PPCCR3XX01	CCR 3	3/29/2023	EPA 245.1	Mercury	0.0110	ug/L	I	0.00600	0.200	1	4/4/2023	KC
S230329PPCCR3XX01	CCR 3	3/29/2023	EPA 300.0	Chloride	25.5	mg/L		12.5	25.0	5	4/4/2023	Pace

March 2023 Laboratory Analytical Results

LAB_SAMPLE_ID	CUST_SAMPLE_ID	COLLECT_DATE	METHOD	CMP_DESC	RESULT	UNITS	QUALIFIERS	MDL	PQL	DIL_FACT	ANAL_DATE_TIME	ANALYST
S230329PPCCR3XX01	CCR 3	3/29/2023	EPA 300.0	Fluoride	0.073 U	mg/L	U,D3	0.073	0.25	5	4/4/2023	Pace
S230329PPCCR3XX01	CCR 3	3/29/2023	EPA 300.0	Sulfate	1110	mg/L		50.0	100	20	4/4/2023	Pace
S230329PPCCR3XX01	CCR 3	3/29/2023	EPA 903.1	Radium-226	0.728U	pCi/L	U	0.728	0.728	1	4/17/2023	Pace
S230329PPCCR3XX01	CCR 3	3/29/2023	EPA 904.0	Radium-228	1.59	pCi/L		0.712	0.712	1	4/11/2023	Pace
S230329PPCCR3XX01	CCR 3	3/29/2023	Field	DO (Field) Concentration	0.1	mg/L				1	4/5/2023	Field
S230329PPCCR3XX01	CCR 3	3/29/2023	Field	Field Turb	7.4	NTU				1	4/5/2023	Field
S230329PPCCR3XX01	CCR 3	3/29/2023	Field	Redox Potential (Field)	107	mV				1	4/5/2023	Field
S230329PPCCR3XX01	CCR 3	3/29/2023	Field	Specific Conductance (Field)	1700	umhos/cm				1	4/5/2023	Field
S230329PPCCR3XX01	CCR 3	3/29/2023	Field	Temp (Field)	20.3	Deg.C				1	4/5/2023	Field
S230329PPCCR3XX01	CCR 3	3/29/2023	Field	pH (Field)	4.71	S.U.				1	4/5/2023	Field
S230329PPCCR3XX01	CCR 3	3/29/2023	Total Radium Calcula	Total Radium	2.32	pCi/L		1.44	1.44	1	4/19/2023	Pace
S230329PPCCR4XX01	CCR 4	3/29/2023	EPA 200.7 TOTAL	Barium	67.8	ug/L		0.663	20.0	1	4/6/2023	AC
S230329PPCCR4XX01	CCR 4	3/29/2023	EPA 200.7 TOTAL	Beryllium	0.292 U	ug/L		0.292	2.00	1	4/6/2023	AC
S230329PPCCR4XX01	CCR 4	3/29/2023	EPA 200.7 TOTAL	Cadmium	0.295 U	ug/L		0.295	4.00	1	4/6/2023	AC
S230329PPCCR4XX01	CCR 4	3/29/2023	EPA 200.7 TOTAL	Chromium	2.95	ug/L	I	0.470	16.0	1	4/6/2023	AC
S230329PPCCR4XX01	CCR 4	3/29/2023	EPA 200.7 TOTAL	Cobalt	0.912 U	ug/L		0.912	20.0	1	4/6/2023	AC
S230329PPCCR4XX01	CCR 4	3/29/2023	EPA 200.7 TOTAL	Molybdenum	6.28	ug/L	I	4.08	16.0	1	4/6/2023	AC
S230329PPCCR4XX01	CCR 4	3/29/2023	EPA 200.8	Lithium	2.7	ug/L		0.22	1.0	1	4/4/2023	Pace
S230329PPCCR4XX01	CCR 4	3/29/2023	EPA 200.8 TOTAL	Antimony	0.431 U	ug/L		0.431	2.50	1	4/4/2023	AB
S230329PPCCR4XX01	CCR 4	3/29/2023	EPA 200.8 TOTAL	Arsenic	2.06	ug/L	I	0.250	2.50	1	4/4/2023	AB
S230329PPCCR4XX01	CCR 4	3/29/2023	EPA 200.8 TOTAL	Lead	1.66	ug/L		0.181	0.625	1	4/4/2023	AB
S230329PPCCR4XX01	CCR 4	3/29/2023	EPA 200.8 TOTAL	Selenium	2.89	ug/L		1.19	2.50	1	4/4/2023	AB
S230329PPCCR4XX01	CCR 4	3/29/2023	EPA 200.8 TOTAL	Thallium	0.499 U	ug/L		0.499	2.50	1	4/4/2023	AB
S230329PPCCR4XX01	CCR 4	3/29/2023	EPA 245.1	Mercury	0.0260	ug/L	I	0.00600	0.200	1	4/4/2023	KC
S230329PPCCR4XX01	CCR 4	3/29/2023	EPA 300.0	Chloride	47.8	mg/L		12.5	25.0	5	4/4/2023	Pace
S230329PPCCR4XX01	CCR 4	3/29/2023	EPA 300.0	Fluoride	0.073 U	mg/L	U,D3	0.073	0.25	5	4/4/2023	Pace
S230329PPCCR4XX01	CCR 4	3/29/2023	EPA 300.0	Sulfate	1070	mg/L		50.0	100	20	4/4/2023	Pace
S230329PPCCR4XX01	CCR 4	3/29/2023	EPA 903.1	Radium-226	0.790	pCi/L		0.575	0.575	1	4/17/2023	Pace
S230329PPCCR4XX01	CCR 4	3/29/2023	EPA 904.0	Radium-228	1.28	pCi/L		0.611	0.611	1	4/11/2023	Pace
S230329PPCCR4XX01	CCR 4	3/29/2023	Field	DO (Field) Concentration	0.06	mg/L				1	4/5/2023	Field
S230329PPCCR4XX01	CCR 4	3/29/2023	Field	Field Turb	73	NTU				1	4/5/2023	Field
S230329PPCCR4XX01	CCR 4	3/29/2023	Field	Redox Potential (Field)	91	mV				1	4/5/2023	Field
S230329PPCCR4XX01	CCR 4	3/29/2023	Field	Specific Conductance (Field)	2035	umhos/cm				1	4/5/2023	Field
S230329PPCCR4XX01	CCR 4	3/29/2023	Field	Temp (Field)	21.5	Deg.C				1	4/5/2023	Field
S230329PPCCR4XX01	CCR 4	3/29/2023	Field	pH (Field)	5.88	S.U.				1	4/5/2023	Field
S230329PPCCR4XX01	CCR 4	3/29/2023	Total Radium Calcula	Total Radium	2.07	pCi/L		1.19	1.19	1	4/19/2023	Pace
S230329PPCCR5XX01	CCR 5	3/29/2023	EPA 200.7 TOTAL	Barium	107.71	ug/L		0.663	20.0	1	4/6/2023	AC
S230329PPCCR5XX01	CCR 5	3/29/2023	EPA 200.7 TOTAL	Beryllium	0.392	ug/L	I	0.292	2.00	1	4/6/2023	AC
S230329PPCCR5XX01	CCR 5	3/29/2023	EPA 200.7 TOTAL	Cadmium	0.295 U	ug/L		0.295	4.00	1	4/6/2023	AC
S230329PPCCR5XX01	CCR 5	3/29/2023	EPA 200.7 TOTAL	Chromium	4.96	ug/L	I	0.470	16.0	1	4/6/2023	AC
S230329PPCCR5XX01	CCR 5	3/29/2023	EPA 200.7 TOTAL	Cobalt	0.912 U	ug/L		0.912	20.0	1	4/6/2023	AC
S230329PPCCR5XX01	CCR 5	3/29/2023	EPA 200.7 TOTAL	Molybdenum	4.08 U	ug/L		4.08	16.0	1	4/6/2023	AC
S230329PPCCR5XX01	CCR 5	3/29/2023	EPA 200.8	Lithium	3.8	ug/L		0.22	1.0	1	4/4/2023	Pace
S230329PPCCR5XX01	CCR 5	3/29/2023	EPA 200.8 TOTAL	Antimony	0.431 U	ug/L		0.431	2.50	1	4/4/2023	AB
S230329PPCCR5XX01	CCR 5	3/29/2023	EPA 200.8 TOTAL	Arsenic	3.64	ug/L		0.250	2.50	1	4/4/2023	AB
S230329PPCCR5XX01	CCR 5	3/29/2023	EPA 200.8 TOTAL	Lead	2.55	ug/L		0.181	0.625	1	4/4/2023	AB
S230329PPCCR5XX01	CCR 5	3/29/2023	EPA 200.8 TOTAL	Selenium	4.32	ug/L		1.19	2.50	1	4/4/2023	AB
S230329PPCCR5XX01	CCR 5	3/29/2023	EPA 200.8 TOTAL	Thallium	0.499 U	ug/L		0.499	2.50	1	4/4/2023	AB
S230329PPCCR5XX01	CCR 5	3/29/2023	EPA 245.1	Mercury	0.0350	ug/L	I	0.00600	0.200	1	4/4/2023	KC
S230329PPCCR5XX01	CCR 5	3/29/2023	EPA 300.0	Chloride	74.0	mg/L		12.5	25.0	5	4/4/2023	Pace
S230329PPCCR5XX01	CCR 5	3/29/2023	EPA 300.0	Fluoride	0.073 U	mg/L	U,D3	0.073	0.25	5	4/4/2023	Pace
S230329PPCCR5XX01	CCR 5	3/29/2023	EPA 300.0	Sulfate	1250	mg/L		50.0	100	20	4/3/2023	Pace
S230329PPCCR5XX01	CCR 5	3/29/2023	EPA 903.1	Radium-226	0.819U	pCi/L	U	0.819	0.819	1	4/17/2023	Pace
S230329PPCCR5XX01	CCR 5	3/29/2023	EPA 904.0	Radium-228	1.45	pCi/L		0.725	0.725	1	4/11/2023	Pace
S230329PPCCR5XX01	CCR 5	3/29/2023	Field	DO (Field) Concentration	4.1	mg/L				1	4/5/2023	Field
S230329PPCCR5XX01	CCR 5	3/29/2023	Field	Field Turb	78	NTU				1	4/5/2023	Field
S230329PPCCR5XX01	CCR 5	3/29/2023	Field	Redox Potential (Field)	87	mV				1	4/5/2023	Field
S230329PPCCR5XX01	CCR 5	3/29/2023	Field	Specific Conductance (Field)	2361	umhos/cm				1	4/5/2023	Field
S230329PPCCR5XX01	CCR 5	3/29/2023	Field	Temp (Field)	21.2	Deg.C				1	4/5/2023	Field
S230329PPCCR5XX01	CCR 5	3/29/2023	Field	pH (Field)	6.02	S.U.				1	4/5/2023	Field
S230329PPCCR5XX01	CCR 5	3/29/2023	Total Radium Calcula	Total Radium	2.27	pCi/L		1.54	1.54	1	4/19/2023	Pace
S230329PPCCR6XX01	CCR 6	3/29/2023	EPA 200.7 TOTAL	Barium	33.2	ug/L		0.663	20.0	1	4/6/2023	AC
S230329PPCCR6XX01	CCR 6	3/29/2023	EPA 200.7 TOTAL	Beryllium	0.292 U	ug/L		0.292	2.00	1	4/6/2023	AC
S230329PPCCR6XX01	CCR 6	3/29/2023	EPA 200.7 TOTAL	Cadmium	0.295 U	ug/L		0.295	4.00	1	4/6/2023	AC
S230329PPCCR6XX01	CCR 6	3/29/2023	EPA 200.7 TOTAL	Chromium	0.470 U	ug/L		0.470	16.0	1	4/6/2023	AC
S230329PPCCR6XX01	CCR 6	3/29/2023	EPA 200.7 TOTAL	Cobalt	0.912 U	ug/L		0.912	20.0	1	4/6/2023	AC
S230329PPCCR6XX01	CCR 6	3/29/2023	EPA 200.7 TOTAL	Molybdenum	24.5	ug/L		4.08	16.0	1	4/6/2023	AC
S230329PPCCR6XX01	CCR 6	3/29/2023	EPA 200.8	Lithium	0.22 U	ug/L	U	0.22	1.0	1	4/4/2023	Pace
S230329PPCCR6XX01	CCR 6	3/29/2023	EPA 200.8 TOTAL	Antimony	0.431 U	ug/L		0.431	2.50	1	4/4/2023	AB
S230329PPCCR6XX01	CCR 6	3/29/2023	EPA 200.8 TOTAL	Arsenic	0.994	ug/L	I	0.250	2.50	1	4/4/2023	AB
S230329PPCCR6XX01	CCR 6	3/29/2023	EPA 200.8 TOTAL	Lead	0.181 U	ug/L		0.181	0.625	1	4/4/2023	AB
S230329PPCCR6XX01	CCR 6	3/29/2023	EPA 200.8 TOTAL	Selenium	3.51	ug/L		1.19	2.50	1	4/4/2023	AB
S230329PPCCR6XX01	CCR 6	3/29/2023	EPA 200.8 TOTAL	Thallium	0.499 U	ug/L		0.499	2.50	1	4/4/2023	AB
S230329PPCCR6XX01	CCR 6	3/29/2023	EPA 245.1	Mercury	0.0120	ug/L	I	0.00600	0.200	1	4/4/2023	KC
S230329PPCCR6XX01	CCR 6	3/29/2023	EPA 300.0	Chloride	201	mg/L		12.5	25.0	5	4/4/2023	Pace
S230329PPCCR6XX01	CCR 6	3/29/2023	EPA 300.0	Fluoride	0.073 U	mg/L	U,D3	0.073	0.25	5	4/4/2023	Pace
S230329PPCCR6XX01	CCR 6	3/29/2023	EPA 300.0	Sulfate	1920	mg/L		125	250	50	4/3/2023	Pace
S230329PPCCR6XX01	CCR 6	3/29/2023	EPA 903.1	Radium-226	1.00	pCi/L		0.756	0.756	1	4/17/2023	Pace
S230329PPCCR6XX01	CCR 6	3/29/2023	EPA 904.0	Radium-228	3.40	pCi/L		0.684	0.684	1	4/11/2023	Pace
S230329PPCCR6XX01	CCR 6	3/29/2023	Field	DO (Field) Concentration	0.12	mg/L				1	4/5/2023	Field
S230329PPCCR6XX01	CCR 6	3/29/2023	Field	Field Turb	3.4	NTU				1	4/5/2023	Field
S230329PPCCR6XX01	CCR 6	3/29/2023	Field	Redox Potential (Field)	90	mV				1	4/5/2023	Field
S230329PPCCR6XX01	CCR 6	3/29/2023	Field	Specific Conductance (Field)	3925	umhos/cm				1	4/5/2023	Field
S230329PPCCR6XX01	CCR 6	3/29/2023	Field	Temp (Field)	21.2	Deg.C				1	4/5/2023	Field
S230329PPCCR6XX01	CCR 6	3/29/2023	Field	pH (Field)	6.38	S.U.				1	4/5/2023	Field
S230329PPCCR6XX01	CCR 6	3/29/2023	Total Radium Calcula	Total Radium	4.40	pCi/L		1.44	1.44	1	4/19/2023	Pace
S230329PPCCRFBFB01	CCR Field Blank	3/29/2023	EPA 200.7 TOTAL	Barium	0.663 U	ug/L		0.663	20.0	1	3/31/2023	AC
S230329PPCCRFBFB01	CCR Field Blank	3/29/2023	EPA 200.7 TOTAL	Beryllium	0.292 U	ug/L		0.292	2.00	1	3/31/2023	AC
S230329PPCCRFBFB01	CCR Field Blank	3/29/2023	EPA 200.7 TOTAL	Cadmium	0.295 U	ug/L		0.295	4.00	1	3/31/2023	AC
S230329PPCCRFBFB01	CCR Field Blank	3/29/2023	EPA 200.7 TOTAL	Chromium	0.470 U	ug/L		0.470	16.0	1	3/31/2023	AC
S230329PPCCRFBFB01	CCR Field Blank	3/29/2023	EPA 200.7 TOTAL	Cobalt	0.912 U	ug/L		0.912	20.0	1	3/31/2023	AC
S230329PPCCRFBFB01	CCR Field Blank	3/29/2023	EPA 200.7 TOTAL	Molybdenum	4.08 U	ug/L		4.08	16.0	1	3/31/2023	AC
S230329PPCCRFBFB01	CCR Field Blank	3/29/2023	EPA 200.8	Lithium	0.22 U	ug/L	U	0.22	1.0	1	4/5/2023	Pace
S230329PPCCRFBFB01	CCR Field Blank	3/29/2023	EPA 200.8 TOTAL	Antimony	0.431 U	ug/L		0.431	2.50	1	4/4/2023	AB
S230329PPCCRFBFB01	CCR Field Blank	3/29/2023	EPA 200.8 TOTAL	Arsenic	0.250 U	ug/L		0.250	2.50	1	4/4/2023	AB
S230329PPCCRFBFB01	CCR Field Blank	3/29/2023	EPA 200.8 TOTAL	Lead	0.181 U	ug/L		0.181	0.625	1	4/4/2023	AB
S230329PPCCRFBFB01	CCR Field Blank	3/29/2023	EPA 200.8 TOTAL	Selenium	1.19 U	ug/L		1.19	2.50	1	4/4/2023	AB
S230329PPCCRFBFB01	CCR Field Blank	3/29/2023	EPA 200.8 TOTAL	Thallium	0.499 U	ug/L		0.499	2.50	1	4/4/2023	AB
S230329PPCCRFBFB01	CCR Field Blank	3/29/2023	EPA 245.1	Mercury	0.00800	ug/L	I	0.00600	0.200	1	4/4/2023	KC
S230329PPCCRFBFB01	CCR Field Blank	3/29/2023	EPA 300.0	Chloride	2.5 U	mg/L	U	2.5	5.0	1	4/4/2023	Pace
S230329PPCCRFBFB01	CCR Field Blank	3/29/2023	EPA 300.0	Fluoride	0.015 U	mg/L	U	0.015	0.050	1	4/4/2023	Pace
S230329PPCCRFBFB01	CCR Field Blank	3/29/2023	EPA 300.0	Sulfate	2.5 U	mg/L	U	2.5	5.0	1	4/4/2023	Pace
S230329PPCCRFBFB01	CCR Field Blank	3/29/2023	EPA 903.1	Radium-226	0.731U	pCi/L	U	0.731	0.731	1	4/17/2023	Pace
S230329PPCCRFBFB01	CCR Field Blank	3/29/2023	EPA 904.0	Radium-228	0.635U	pCi/L	U	0.635	0.635	1	4/11/2023	Pace

March 2023 Laboratory Analytical Results

LAB_SAMPLE_ID	CUST_SAMPLE_ID	COLLECT_DATE	METHOD	CMP_DESC	RESULT	UNITS	QUALIFIERS	MDL	PQL	DIL_FACT	ANAL_DATE_TIME	ANALYST
S230329PPCCRFBFB01	CCR Field Blank	3/29/2023	Total Radium Calcula	Total Radium	1.37	pCi/L		1.37	1.37	1	4/19/2023	Pace
S230329PPCCR7XX01	CCR 7	3/29/2023	EPA 200.7 TOTAL	Barium	32.3	ug/L		0.663	20.0	1	3/31/2023	AC
S230329PPCCR7XX01	CCR 7	3/29/2023	EPA 200.7 TOTAL	Beryllium	0.292 U	ug/L		0.292	2.00	1	3/31/2023	AC
S230329PPCCR7XX01	CCR 7	3/29/2023	EPA 200.7 TOTAL	Cadmium	0.295 U	ug/L		0.295	4.00	1	3/31/2023	AC
S230329PPCCR7XX01	CCR 7	3/29/2023	EPA 200.7 TOTAL	Chromium	3.18	ug/L	I	0.470	16.0	1	3/31/2023	AC
S230329PPCCR7XX01	CCR 7	3/29/2023	EPA 200.7 TOTAL	Cobalt	0.912 U	ug/L		0.912	20.0	1	3/31/2023	AC
S230329PPCCR7XX01	CCR 7	3/29/2023	EPA 200.7 TOTAL	Molybdenum	4.20	ug/L	I	4.08	16.0	1	3/31/2023	AC
S230329PPCCR7XX01	CCR 7	3/29/2023	EPA 200.8	Lithium	0.76	ug/L	I	0.22	1.0	1	4/5/2023	Pace
S230329PPCCR7XX01	CCR 7	3/29/2023	EPA 200.8 TOTAL	Antimony	0.431 U	ug/L		0.431	2.50	1	4/4/2023	AB
S230329PPCCR7XX01	CCR 7	3/29/2023	EPA 200.8 TOTAL	Arsenic	1.39	ug/L	I	0.250	2.50	1	4/4/2023	AB
S230329PPCCR7XX01	CCR 7	3/29/2023	EPA 200.8 TOTAL	Lead	0.181 U	ug/L		0.181	0.625	1	4/4/2023	AB
S230329PPCCR7XX01	CCR 7	3/29/2023	EPA 200.8 TOTAL	Selenium	4.08	ug/L		1.19	2.50	1	4/4/2023	AB
S230329PPCCR7XX01	CCR 7	3/29/2023	EPA 200.8 TOTAL	Thallium	0.499 U	ug/L		0.499	2.50	1	4/4/2023	AB
S230329PPCCR7XX01	CCR 7	3/29/2023	EPA 245.1	Mercury	0.0150	ug/L	I	0.00600	0.200	1	4/4/2023	KC
S230329PPCCR7XX01	CCR 7	3/29/2023	EPA 300.0	Chloride	268	mg/L		12.5	25.0	5	4/4/2023	Pace
S230329PPCCR7XX01	CCR 7	3/29/2023	EPA 300.0	Fluoride	0.098	mg/L	I	0.073	0.25	5	4/4/2023	Pace
S230329PPCCR7XX01	CCR 7	3/29/2023	EPA 300.0	Sulfate	1230	mg/L		50.0	100	20	4/3/2023	Pace
S230329PPCCR7XX01	CCR 7	3/29/2023	EPA 903.1	Radium-226	1.56	pCi/L		0.783	0.783	1	4/17/2023	Pace
S230329PPCCR7XX01	CCR 7	3/29/2023	EPA 904.0	Radium-228	3.51	pCi/L		0.605	0.605	1	4/11/2023	Pace
S230329PPCCR7XX01	CCR 7	3/29/2023	Field	DO (Field) Concentration	0.1	mg/L				1	4/5/2023	Field
S230329PPCCR7XX01	CCR 7	3/29/2023	Field	Field Turb	25	NTU				1	4/5/2023	Field
S230329PPCCR7XX01	CCR 7	3/29/2023	Field	Redox Potential (Field)	95	mV				1	4/5/2023	Field
S230329PPCCR7XX01	CCR 7	3/29/2023	Field	Specific Conductance (Field)	3035	umhos/cm				1	4/5/2023	Field
S230329PPCCR7XX01	CCR 7	3/29/2023	Field	Temp (Field)	21.0	Deg.C				1	4/5/2023	Field
S230329PPCCR7XX01	CCR 7	3/29/2023	Field	pH (Field)	5.03	S.U.				1	4/5/2023	Field
S230329PPCCR7XX01	CCR 7	3/29/2023	Total Radium Calcula	Total Radium	5.07	pCi/L		1.39	1.39	1	4/19/2023	Pace
S230329PPCCR7XX02	CCR 7 DUP	3/29/2023	EPA 200.7 TOTAL	Barium	31.8	ug/L		0.663	20.0	1	3/31/2023	AC
S230329PPCCR7XX02	CCR 7 DUP	3/29/2023	EPA 200.7 TOTAL	Beryllium	0.292 U	ug/L		0.292	2.00	1	3/31/2023	AC
S230329PPCCR7XX02	CCR 7 DUP	3/29/2023	EPA 200.7 TOTAL	Cadmium	0.295 U	ug/L		0.295	4.00	1	3/31/2023	AC
S230329PPCCR7XX02	CCR 7 DUP	3/29/2023	EPA 200.7 TOTAL	Chromium	3.19	ug/L	I	0.470	16.0	1	3/31/2023	AC
S230329PPCCR7XX02	CCR 7 DUP	3/29/2023	EPA 200.7 TOTAL	Cobalt	0.912 U	ug/L		0.912	20.0	1	3/31/2023	AC
S230329PPCCR7XX02	CCR 7 DUP	3/29/2023	EPA 200.7 TOTAL	Molybdenum	4.14	ug/L	I	4.08	16.0	1	3/31/2023	AC
S230329PPCCR7XX02	CCR 7 DUP	3/29/2023	EPA 200.8	Lithium	0.92	ug/L	I	0.22	1.0	1	4/5/2023	Pace
S230329PPCCR7XX02	CCR 7 DUP	3/29/2023	EPA 200.8 TOTAL	Antimony	0.431 U	ug/L		0.431	2.50	1	4/4/2023	AB
S230329PPCCR7XX02	CCR 7 DUP	3/29/2023	EPA 200.8 TOTAL	Arsenic	1.35	ug/L	I	0.250	2.50	1	4/4/2023	AB
S230329PPCCR7XX02	CCR 7 DUP	3/29/2023	EPA 200.8 TOTAL	Lead	0.181 U	ug/L		0.181	0.625	1	4/4/2023	AB
S230329PPCCR7XX02	CCR 7 DUP	3/29/2023	EPA 200.8 TOTAL	Selenium	3.60	ug/L		1.19	2.50	1	4/4/2023	AB
S230329PPCCR7XX02	CCR 7 DUP	3/29/2023	EPA 200.8 TOTAL	Thallium	0.499 U	ug/L		0.499	2.50	1	4/4/2023	AB
S230329PPCCR7XX02	CCR 7 DUP	3/29/2023	EPA 245.1	Mercury	0.00700	ug/L	I	0.00600	0.200	1	4/4/2023	KC
S230329PPCCR7XX02	CCR 7 DUP	3/29/2023	EPA 300.0	Chloride	281	mg/L		12.5	25.0	5	4/4/2023	Pace
S230329PPCCR7XX02	CCR 7 DUP	3/29/2023	EPA 300.0	Fluoride	0.094	mg/L	I	0.073	0.25	5	4/4/2023	Pace
S230329PPCCR7XX02	CCR 7 DUP	3/29/2023	EPA 300.0	Sulfate	1250	mg/L		50.0	100	20	4/3/2023	Pace
S230329PPCCR7XX02	CCR 7 DUP	3/29/2023	EPA 903.1	Radium-226	1.67	pCi/L		0.737	0.737	1	4/17/2023	Pace
S230329PPCCR7XX02	CCR 7 DUP	3/29/2023	EPA 904.0	Radium-228	4.46	pCi/L		0.744	0.744	1	4/11/2023	Pace
S230329PPCCR7XX02	CCR 7 DUP	3/29/2023	Field	DO (Field) Concentration	0.1	mg/L				1	4/5/2023	Field
S230329PPCCR7XX02	CCR 7 DUP	3/29/2023	Field	Field Turb	25	NTU				1	4/5/2023	Field
S230329PPCCR7XX02	CCR 7 DUP	3/29/2023	Field	Redox Potential (Field)	95	mV				1	4/5/2023	Field
S230329PPCCR7XX02	CCR 7 DUP	3/29/2023	Field	Specific Conductance (Field)	3035	umhos/cm				1	4/5/2023	Field
S230329PPCCR7XX02	CCR 7 DUP	3/29/2023	Field	Temp (Field)	21.0	Deg.C				1	4/5/2023	Field
S230329PPCCR7XX02	CCR 7 DUP	3/29/2023	Field	pH (Field)	5.03	S.U.				1	4/5/2023	Field
S230329PPCCR7XX02	CCR 7 DUP	3/29/2023	Total Radium Calcula	Total Radium	6.13	pCi/L		1.48	1.48	1	4/19/2023	Pace

June 2023 Laboratory Analytical Results

LAB_SAMPLE_ID	CUST_SAMPLE_ID	COLLECT_DATE	METHOD	CMP_DESC	RESULT	UNITS	QUALIFIERS	MDL	PQL	DIL_FACT	ANAL_DATE_TIME	ANALYST
S230620PPCCR1XX01	CCR 1	6/20/23 1:00 PM	EPA 200.7 TOTAL	Barium	40.5	ug/L		0.663	20.0	1	26-Jun-23	AC
S230620PPCCR1XX01	CCR 1	6/20/23 1:00 PM	EPA 200.7 TOTAL	Beryllium	0.963	ug/L	I	0.292	2.00	1	26-Jun-23	AC
S230620PPCCR1XX01	CCR 1	6/20/23 1:00 PM	EPA 200.7 TOTAL	Boron	1141.5	ug/L		5.57	20.0	1	26-Jun-23	AC
S230620PPCCR1XX01	CCR 1	6/20/23 1:00 PM	EPA 200.7 TOTAL	Cadmium	0.295 U	ug/L		0.295	4.00	1	26-Jun-23	AC
S230620PPCCR1XX01	CCR 1	6/20/23 1:00 PM	EPA 200.7 TOTAL	Calcium	57485	ug/L		21.0	40.0	1	26-Jun-23	AC
S230620PPCCR1XX01	CCR 1	6/20/23 1:00 PM	EPA 200.7 TOTAL	Chromium	0.470 U	ug/L		0.470	16.0	1	26-Jun-23	AC
S230620PPCCR1XX01	CCR 1	6/20/23 1:00 PM	EPA 200.7 TOTAL	Cobalt	0.912 U	ug/L		0.912	20.0	1	26-Jun-23	AC
S230620PPCCR1XX01	CCR 1	6/20/23 1:00 PM	EPA 200.7 TOTAL	Molybdenum	4.08 U	ug/L		4.08	16.0	1	26-Jun-23	AC
S230620PPCCR1XX01	CCR 1	6/20/23 1:00 PM	EPA 200.8	Lithium	1.2	ug/L		0.22	1.0	1	30-Jun-23	Pace
S230620PPCCR1XX01	CCR 1	6/20/23 1:00 PM	EPA 200.8 TOTAL	Antimony	0.431 U	ug/L		0.431	2.50	1	29-Jun-23	AB
S230620PPCCR1XX01	CCR 1	6/20/23 1:00 PM	EPA 200.8 TOTAL	Arsenic	0.635	ug/L	I	0.250	2.50	1	29-Jun-23	AB
S230620PPCCR1XX01	CCR 1	6/20/23 1:00 PM	EPA 200.8 TOTAL	Lead	0.181 U	ug/L		0.181	0.625	1	29-Jun-23	AB
S230620PPCCR1XX01	CCR 1	6/20/23 1:00 PM	EPA 200.8 TOTAL	Selenium	1.19 U	ug/L		1.19	2.50	1	29-Jun-23	AB
S230620PPCCR1XX01	CCR 1	6/20/23 1:00 PM	EPA 200.8 TOTAL	Thallium	0.499 U	ug/L		0.499	2.50	1	29-Jun-23	AB
S230620PPCCR1XX01	CCR 1	6/20/23 1:00 PM	EPA 245.1	Mercury	0.00600 U	ug/L		0.00600	0.200	1	28-Jun-23	KC
S230620PPCCR1XX01	CCR 1	6/20/23 1:00 PM	EPA 300.0	Chloride	10	mg/L		2.5	5.0	1	27-Jun-23	Pace
S230620PPCCR1XX01	CCR 1	6/20/23 1:00 PM	EPA 300.0	Fluoride	0.12	mg/L		0.015	0.050	1	27-Jun-23	Pace
S230620PPCCR1XX01	CCR 1	6/20/23 1:00 PM	EPA 300.0	Sulfate	239	mg/L		25.0	50.0	10	28-Jun-23	Pace
S230620PPCCR1XX01	CCR 1	6/20/23 1:00 PM	EPA 903.1	Radium-226	2.34	pCi/L		0.917	0.917	1	19-Jul-23	Pace
S230620PPCCR1XX01	CCR 1	6/20/23 1:00 PM	EPA 904.0	Radium-228	0.884U	pCi/L	U	0.884	0.884	1	17-Jul-23	Pace
S230620PPCCR1XX01	CCR 1	6/20/23 1:00 PM	Field	DO (Field) Concentration	0.25	mg/L				1	06-Jul-23	Field
S230620PPCCR1XX01	CCR 1	6/20/23 1:00 PM	Field	Field Turb	4.03	NTU				1	06-Jul-23	Field
S230620PPCCR1XX01	CCR 1	6/20/23 1:00 PM	Field	Redox Potential (Field)	47	mV				1	06-Jul-23	Field
S230620PPCCR1XX01	CCR 1	6/20/23 1:00 PM	Field	Specific Conductance (Field)	544	umhos/cm				1	06-Jul-23	Field
S230620PPCCR1XX01	CCR 1	6/20/23 1:00 PM	Field	Temp (Field)	22.7	Deg.C				1	06-Jul-23	Field
S230620PPCCR1XX01	CCR 1	6/20/23 1:00 PM	Field	pH (Field)	4.16	S.U.				1	06-Jul-23	Field
S230620PPCCR1XX01	CCR 1	6/20/23 1:00 PM	SM2540 C-2011	Residue, Filterable (TDS)	462	mg/L		3	5	1	26-Jun-23	GP
S230620PPCCR1XX01	CCR 1	6/20/23 1:00 PM	Total Radium Calcula	Total Radium	3.22	pCi/L		1.80	1.80	1	21-Jul-23	Pace
S230620PPCCR1XX02	CCR 1 DUP	6/20/23 1:03 PM	EPA 200.7 TOTAL	Barium	37.3	ug/L		0.663	20.0	1	26-Jun-23	AC
S230620PPCCR1XX02	CCR 1 DUP	6/20/23 1:03 PM	EPA 200.7 TOTAL	Beryllium	0.968	ug/L	I	0.292	2.00	1	26-Jun-23	AC
S230620PPCCR1XX02	CCR 1 DUP	6/20/23 1:03 PM	EPA 200.7 TOTAL	Boron	1144.2	ug/L		5.57	20.0	1	26-Jun-23	AC
S230620PPCCR1XX02	CCR 1 DUP	6/20/23 1:03 PM	EPA 200.7 TOTAL	Cadmium	0.295 U	ug/L		0.295	4.00	1	26-Jun-23	AC
S230620PPCCR1XX02	CCR 1 DUP	6/20/23 1:03 PM	EPA 200.7 TOTAL	Calcium	58439	ug/L		21.0	40.0	1	26-Jun-23	AC
S230620PPCCR1XX02	CCR 1 DUP	6/20/23 1:03 PM	EPA 200.7 TOTAL	Chromium	0.470 U	ug/L		0.470	16.0	1	26-Jun-23	AC
S230620PPCCR1XX02	CCR 1 DUP	6/20/23 1:03 PM	EPA 200.7 TOTAL	Cobalt	0.912 U	ug/L		0.912	20.0	1	26-Jun-23	AC
S230620PPCCR1XX02	CCR 1 DUP	6/20/23 1:03 PM	EPA 200.7 TOTAL	Molybdenum	4.08 U	ug/L		4.08	16.0	1	26-Jun-23	AC
S230620PPCCR1XX02	CCR 1 DUP	6/20/23 1:03 PM	EPA 200.8	Lithium	1.1	ug/L		0.22	1.0	1	30-Jun-23	Pace
S230620PPCCR1XX02	CCR 1 DUP	6/20/23 1:03 PM	EPA 200.8 TOTAL	Antimony	0.431 U	ug/L		0.431	2.50	1	29-Jun-23	AB
S230620PPCCR1XX02	CCR 1 DUP	6/20/23 1:03 PM	EPA 200.8 TOTAL	Arsenic	0.630	ug/L	I	0.250	2.50	1	29-Jun-23	AB
S230620PPCCR1XX02	CCR 1 DUP	6/20/23 1:03 PM	EPA 200.8 TOTAL	Lead	0.181 U	ug/L		0.181	0.625	1	29-Jun-23	AB
S230620PPCCR1XX02	CCR 1 DUP	6/20/23 1:03 PM	EPA 200.8 TOTAL	Selenium	1.19 U	ug/L		1.19	2.50	1	29-Jun-23	AB
S230620PPCCR1XX02	CCR 1 DUP	6/20/23 1:03 PM	EPA 200.8 TOTAL	Thallium	0.499 U	ug/L		0.499	2.50	1	29-Jun-23	AB
S230620PPCCR1XX02	CCR 1 DUP	6/20/23 1:03 PM	EPA 245.1	Mercury	0.00600 U	ug/L		0.00600	0.200	1	28-Jun-23	KC
S230620PPCCR1XX02	CCR 1 DUP	6/20/23 1:03 PM	EPA 300.0	Chloride	9.9	mg/L		2.5	5.0	1	27-Jun-23	Pace
S230620PPCCR1XX02	CCR 1 DUP	6/20/23 1:03 PM	EPA 300.0	Fluoride	0.12	mg/L		0.015	0.050	1	27-Jun-23	Pace
S230620PPCCR1XX02	CCR 1 DUP	6/20/23 1:03 PM	EPA 300.0	Sulfate	252	mg/L		25.0	50.0	10	28-Jun-23	Pace
S230620PPCCR1XX02	CCR 1 DUP	6/20/23 1:03 PM	EPA 903.1	Radium-226	1.47	pCi/L		0.737	0.737	1	19-Jul-23	Pace
S230620PPCCR1XX02	CCR 1 DUP	6/20/23 1:03 PM	EPA 904.0	Radium-228	0.711U	pCi/L	U	0.711	0.711	1	17-Jul-23	Pace
S230620PPCCR1XX02	CCR 1 DUP	6/20/23 1:03 PM	Field	DO (Field) Concentration	0.25	mg/L				1	06-Jul-23	Field
S230620PPCCR1XX02	CCR 1 DUP	6/20/23 1:03 PM	Field	Field Turb	4.03	NTU				1	06-Jul-23	Field
S230620PPCCR1XX02	CCR 1 DUP	6/20/23 1:03 PM	Field	Redox Potential (Field)	47	mV				1	06-Jul-23	Field
S230620PPCCR1XX02	CCR 1 DUP	6/20/23 1:03 PM	Field	Specific Conductance (Field)	544	umhos/cm				1	06-Jul-23	Field
S230620PPCCR1XX02	CCR 1 DUP	6/20/23 1:03 PM	Field	Temp (Field)	22.7	Deg.C				1	06-Jul-23	Field
S230620PPCCR1XX02	CCR 1 DUP	6/20/23 1:03 PM	Field	pH (Field)	4.16	S.U.				1	06-Jul-23	Field
S230620PPCCR1XX02	CCR 1 DUP	6/20/23 1:03 PM	SM2540 C-2011	Residue, Filterable (TDS)	428	mg/L		3	5	1	26-Jun-23	GP
S230620PPCCR1XX02	CCR 1 DUP	6/20/23 1:03 PM	Total Radium Calcula	Total Radium	2.18	pCi/L		1.45	1.45	1	21-Jul-23	Pace
S230620PPCCR2XX01	CCR 2	6/20/23 1:56 PM	EPA 200.7 TOTAL	Barium	40.8	ug/L		0.663	20.0	1	26-Jun-23	AC
S230620PPCCR2XX01	CCR 2	6/20/23 1:56 PM	EPA 200.7 TOTAL	Beryllium	1.42	ug/L	I	0.292	2.00	1	26-Jun-23	AC
S230620PPCCR2XX01	CCR 2	6/20/23 1:56 PM	EPA 200.7 TOTAL	Boron	1161.6	ug/L		5.57	20.0	1	26-Jun-23	AC
S230620PPCCR2XX01	CCR 2	6/20/23 1:56 PM	EPA 200.7 TOTAL	Cadmium	0.295 U	ug/L		0.295	4.00	1	26-Jun-23	AC
S230620PPCCR2XX01	CCR 2	6/20/23 1:56 PM	EPA 200.7 TOTAL	Calcium	44256	ug/L		21.0	40.0	1	26-Jun-23	AC
S230620PPCCR2XX01	CCR 2	6/20/23 1:56 PM	EPA 200.7 TOTAL	Chromium	3.28	ug/L	I	0.470	16.0	1	26-Jun-23	AC
S230620PPCCR2XX01	CCR 2	6/20/23 1:56 PM	EPA 200.7 TOTAL	Cobalt	3.47	ug/L	I	0.912	20.0	1	26-Jun-23	AC
S230620PPCCR2XX01	CCR 2	6/20/23 1:56 PM	EPA 200.7 TOTAL	Molybdenum	4.08 U	ug/L		4.08	16.0	1	26-Jun-23	AC
S230620PPCCR2XX01	CCR 2	6/20/23 1:56 PM	EPA 200.8	Lithium	4.7	ug/L		0.44	2.0	2	30-Jun-23	Pace
S230620PPCCR2XX01	CCR 2	6/20/23 1:56 PM	EPA 200.8 TOTAL	Antimony	0.431 U	ug/L		0.431	2.50	1	29-Jun-23	AB
S230620PPCCR2XX01	CCR 2	6/20/23 1:56 PM	EPA 200.8 TOTAL	Arsenic	1.28	ug/L	I	0.250	2.50	1	29-Jun-23	AB
S230620PPCCR2XX01	CCR 2	6/20/23 1:56 PM	EPA 200.8 TOTAL	Lead	1.26	ug/L		0.181	0.625	1	29-Jun-23	AB
S230620PPCCR2XX01	CCR 2	6/20/23 1:56 PM	EPA 200.8 TOTAL	Selenium	1.19 U	ug/L		1.19	2.50	1	29-Jun-23	AB
S230620PPCCR2XX01	CCR 2	6/20/23 1:56 PM	EPA 200.8 TOTAL	Thallium	0.499 U	ug/L		0.499	2.50	1	29-Jun-23	AB
S230620PPCCR2XX01	CCR 2	6/20/23 1:56 PM	EPA 245.1	Mercury	0.00600 U	ug/L		0.00600	0.200	1	28-Jun-23	KC

June 2023 Laboratory Analytical Results

LAB_SAMPLE_ID	CUST_SAMPLE_ID	COLLECT_DATE	METHOD	CMP_DESC	RESULT	UNITS	QUALIFIERS	MDL	PQL	DIL_FACT	ANAL_DATE_TIME	ANALYST
S230620PPCCR2XX01	CCR 2	6/20/23 1:56 PM	EPA 300.0	Chloride	12.5	mg/L		5.0	10.0	2	27-Jun-23	Pace
S230620PPCCR2XX01	CCR 2	6/20/23 1:56 PM	EPA 300.0	Fluoride	0.19	mg/L		0.029	0.10	2	27-Jun-23	Pace
S230620PPCCR2XX01	CCR 2	6/20/23 1:56 PM	EPA 300.0	Sulfate	266	mg/L		25.0	50.0	10	28-Jun-23	Pace
S230620PPCCR2XX01	CCR 2	6/20/23 1:56 PM	EPA 903.1	Radium-226	0.465	pCi/L		1.06	1.06	1	19-Jul-23	Pace
S230620PPCCR2XX01	CCR 2	6/20/23 1:56 PM	EPA 904.0	Radium-228	0.915U	pCi/L	U	0.915	0.915	1	17-Jul-23	Pace
S230620PPCCR2XX01	CCR 2	6/20/23 1:56 PM	Field	DO (Field) Concentration	0.29	mg/L				1	06-Jul-23	Field
S230620PPCCR2XX01	CCR 2	6/20/23 1:56 PM	Field	Field Turb	16.9	NTU				1	06-Jul-23	Field
S230620PPCCR2XX01	CCR 2	6/20/23 1:56 PM	Field	Redox Potential (Field)	1.1	mV				1	06-Jul-23	Field
S230620PPCCR2XX01	CCR 2	6/20/23 1:56 PM	Field	Specific Conductance (Field)	575	umhos/cm				1	06-Jul-23	Field
S230620PPCCR2XX01	CCR 2	6/20/23 1:56 PM	Field	Temp (Field)	22.9	Deg.C				1	06-Jul-23	Field
S230620PPCCR2XX01	CCR 2	6/20/23 1:56 PM	Field	pH (Field)	4.04	S.U.				1	06-Jul-23	Field
S230620PPCCR2XX01	CCR 2	6/20/23 1:56 PM	SM2540 C-2011	Residue, Filterable (TDS)	517	mg/L		3	5	1	26-Jun-23	GP
S230620PPCCR2XX01	CCR 2	6/20/23 1:56 PM	Total Radium Calcula	Total Radium	1.38	pCi/L		1.98	1.98	1	21-Jul-23	Pace
S230620PPCCR3XX01	CCR 3	6/20/23 2:36 PM	EPA 200.7 TOTAL	Barium	24.3	ug/L		0.663	20.0	1	26-Jun-23	AC
S230620PPCCR3XX01	CCR 3	6/20/23 2:36 PM	EPA 200.7 TOTAL	Beryllium	0.292 U	ug/L		0.292	2.00	1	26-Jun-23	AC
S230620PPCCR3XX01	CCR 3	6/20/23 2:36 PM	EPA 200.7 TOTAL	Boron	3740.1	ug/L		5.57	20.0	1	26-Jun-23	AC
S230620PPCCR3XX01	CCR 3	6/20/23 2:36 PM	EPA 200.7 TOTAL	Cadmium	0.295 U	ug/L		0.295	4.00	1	26-Jun-23	AC
S230620PPCCR3XX01	CCR 3	6/20/23 2:36 PM	EPA 200.7 TOTAL	Calcium	389370	ug/L		105	200	5	05-Jul-23	ZC
S230620PPCCR3XX01	CCR 3	6/20/23 2:36 PM	EPA 200.7 TOTAL	Chromium	0.470 U	ug/L		0.470	16.0	1	26-Jun-23	AC
S230620PPCCR3XX01	CCR 3	6/20/23 2:36 PM	EPA 200.7 TOTAL	Cobalt	0.912 U	ug/L		0.912	20.0	1	26-Jun-23	AC
S230620PPCCR3XX01	CCR 3	6/20/23 2:36 PM	EPA 200.7 TOTAL	Molybdenum	4.08 U	ug/L		4.08	16.0	1	26-Jun-23	AC
S230620PPCCR3XX01	CCR 3	6/20/23 2:36 PM	EPA 200.8	Lithium	0.25	ug/L	I	0.22	1.0	1	30-Jun-23	Pace
S230620PPCCR3XX01	CCR 3	6/20/23 2:36 PM	EPA 200.8 TOTAL	Antimony	0.431 U	ug/L		0.431	2.50	1	29-Jun-23	AB
S230620PPCCR3XX01	CCR 3	6/20/23 2:36 PM	EPA 200.8 TOTAL	Arsenic	0.420	ug/L	I	0.250	2.50	1	29-Jun-23	AB
S230620PPCCR3XX01	CCR 3	6/20/23 2:36 PM	EPA 200.8 TOTAL	Lead	0.181 U	ug/L		0.181	0.625	1	29-Jun-23	AB
S230620PPCCR3XX01	CCR 3	6/20/23 2:36 PM	EPA 200.8 TOTAL	Selenium	1.19 U	ug/L		1.19	2.50	1	29-Jun-23	AB
S230620PPCCR3XX01	CCR 3	6/20/23 2:36 PM	EPA 200.8 TOTAL	Thallium	0.499 U	ug/L		0.499	2.50	1	29-Jun-23	AB
S230620PPCCR3XX01	CCR 3	6/20/23 2:36 PM	EPA 245.1	Mercury	0.00600 U	ug/L		0.00600	0.200	1	28-Jun-23	KC
S230620PPCCR3XX01	CCR 3	6/20/23 2:36 PM	EPA 300.0	Chloride	24.4	mg/L	I	12.5	25.0	5	28-Jun-23	Pace
S230620PPCCR3XX01	CCR 3	6/20/23 2:36 PM	EPA 300.0	Fluoride	0.073 U	mg/L	U	0.073	0.25	5	28-Jun-23	Pace
S230620PPCCR3XX01	CCR 3	6/20/23 2:36 PM	EPA 300.0	Sulfate	1010	mg/L		50.0	100	20	28-Jun-23	Pace
S230620PPCCR3XX01	CCR 3	6/20/23 2:36 PM	EPA 903.1	Radium-226	0.717	pCi/L		0.662	0.662	1	19-Jul-23	Pace
S230620PPCCR3XX01	CCR 3	6/20/23 2:36 PM	EPA 904.0	Radium-228	0.829	pCi/L		0.706	0.706	1	17-Jul-23	Pace
S230620PPCCR3XX01	CCR 3	6/20/23 2:36 PM	Field	DO (Field) Concentration	0.4	mg/L				1	06-Jul-23	Field
S230620PPCCR3XX01	CCR 3	6/20/23 2:36 PM	Field	Field Turb	15.5	NTU				1	06-Jul-23	Field
S230620PPCCR3XX01	CCR 3	6/20/23 2:36 PM	Field	Redox Potential (Field)	45.2	mV				1	06-Jul-23	Field
S230620PPCCR3XX01	CCR 3	6/20/23 2:36 PM	Field	Specific Conductance (Field)	1570	umhos/cm				1	06-Jul-23	Field
S230620PPCCR3XX01	CCR 3	6/20/23 2:36 PM	Field	Temp (Field)	22.6	Deg.C				1	06-Jul-23	Field
S230620PPCCR3XX01	CCR 3	6/20/23 2:36 PM	Field	pH (Field)	4.93	S.U.				1	06-Jul-23	Field
S230620PPCCR3XX01	CCR 3	6/20/23 2:36 PM	SM2540 C-2011	Residue, Filterable (TDS)	1514	mg/L		3	5	1	26-Jun-23	GP
S230620PPCCR3XX01	CCR 3	6/20/23 2:36 PM	Total Radium Calcula	Total Radium	1.55	pCi/L		1.37	1.37	1	21-Jul-23	Pace
S230620PPCCR4XX01	CCR 4	6/20/23 3:30 PM	EPA 200.7 TOTAL	Barium	49.3	ug/L		0.663	20.0	1	26-Jun-23	AC
S230620PPCCR4XX01	CCR 4	6/20/23 3:30 PM	EPA 200.7 TOTAL	Beryllium	0.292 U	ug/L		0.292	2.00	1	26-Jun-23	AC
S230620PPCCR4XX01	CCR 4	6/20/23 3:30 PM	EPA 200.7 TOTAL	Boron	9635.4	ug/L		5.57	20.0	1	26-Jun-23	AC
S230620PPCCR4XX01	CCR 4	6/20/23 3:30 PM	EPA 200.7 TOTAL	Cadmium	0.295 U	ug/L		0.295	4.00	1	26-Jun-23	AC
S230620PPCCR4XX01	CCR 4	6/20/23 3:30 PM	EPA 200.7 TOTAL	Calcium	402250	ug/L		105	200	5	05-Jul-23	ZC
S230620PPCCR4XX01	CCR 4	6/20/23 3:30 PM	EPA 200.7 TOTAL	Chromium	1.43	ug/L	I	0.470	16.0	1	26-Jun-23	AC
S230620PPCCR4XX01	CCR 4	6/20/23 3:30 PM	EPA 200.7 TOTAL	Cobalt	0.912 U	ug/L		0.912	20.0	1	26-Jun-23	AC
S230620PPCCR4XX01	CCR 4	6/20/23 3:30 PM	EPA 200.7 TOTAL	Molybdenum	4.69	ug/L	I	4.08	16.0	1	26-Jun-23	AC
S230620PPCCR4XX01	CCR 4	6/20/23 3:30 PM	EPA 200.8	Lithium	0.40	ug/L	I	0.22	1.0	1	30-Jun-23	Pace
S230620PPCCR4XX01	CCR 4	6/20/23 3:30 PM	EPA 200.8 TOTAL	Antimony	0.431 U	ug/L		0.431	2.50	1	29-Jun-23	AB
S230620PPCCR4XX01	CCR 4	6/20/23 3:30 PM	EPA 200.8 TOTAL	Arsenic	2.02	ug/L	I	0.250	2.50	1	29-Jun-23	AB
S230620PPCCR4XX01	CCR 4	6/20/23 3:30 PM	EPA 200.8 TOTAL	Lead	0.713	ug/L		0.181	0.625	1	29-Jun-23	AB
S230620PPCCR4XX01	CCR 4	6/20/23 3:30 PM	EPA 200.8 TOTAL	Selenium	1.87	ug/L	I	1.19	2.50	1	29-Jun-23	AB
S230620PPCCR4XX01	CCR 4	6/20/23 3:30 PM	EPA 200.8 TOTAL	Thallium	0.499 U	ug/L		0.499	2.50	1	29-Jun-23	AB
S230620PPCCR4XX01	CCR 4	6/20/23 3:30 PM	EPA 245.1	Mercury	0.00600 U	ug/L		0.00600	0.200	1	28-Jun-23	KC
S230620PPCCR4XX01	CCR 4	6/20/23 3:30 PM	EPA 300.0	Chloride	39.2	mg/L		12.5	25.0	5	28-Jun-23	Pace
S230620PPCCR4XX01	CCR 4	6/20/23 3:30 PM	EPA 300.0	Fluoride	0.073 U	mg/L	U	0.073	0.25	5	28-Jun-23	Pace
S230620PPCCR4XX01	CCR 4	6/20/23 3:30 PM	EPA 300.0	Sulfate	997	mg/L		50.0	100	20	28-Jun-23	Pace
S230620PPCCR4XX01	CCR 4	6/20/23 3:30 PM	EPA 903.1	Radium-226	0.805U	pCi/L	U	0.805	0.805	1	19-Jul-23	Pace
S230620PPCCR4XX01	CCR 4	6/20/23 3:30 PM	EPA 904.0	Radium-228	0.746U	pCi/L	U	0.746	0.746	1	17-Jul-23	Pace
S230620PPCCR4XX01	CCR 4	6/20/23 3:30 PM	Field	DO (Field) Concentration	.15	mg/L				1	06-Jul-23	Field
S230620PPCCR4XX01	CCR 4	6/20/23 3:30 PM	Field	Field Turb	13.5	NTU				1	06-Jul-23	Field
S230620PPCCR4XX01	CCR 4	6/20/23 3:30 PM	Field	Redox Potential (Field)	-154	mV				1	06-Jul-23	Field
S230620PPCCR4XX01	CCR 4	6/20/23 3:30 PM	Field	Specific Conductance (Field)	2026	umhos/cm				1	06-Jul-23	Field
S230620PPCCR4XX01	CCR 4	6/20/23 3:30 PM	Field	Temp (Field)	27.7	Deg.C				1	06-Jul-23	Field
S230620PPCCR4XX01	CCR 4	6/20/23 3:30 PM	Field	pH (Field)	5.58	S.U.				1	06-Jul-23	Field
S230620PPCCR4XX01	CCR 4	6/20/23 3:30 PM	SM2540 C-2011	Residue, Filterable (TDS)	1778	mg/L		3	5	1	26-Jun-23	GP
S230620PPCCR4XX01	CCR 4	6/20/23 3:30 PM	Total Radium Calcula	Total Radium	1.55	pCi/L		1.55	1.55	1	21-Jul-23	Pace
S230621PPCCR5XX01	CCR 5	6/21/23 8:48 AM	EPA 200.7 TOTAL	Barium	110.86	ug/L		0.663	20.0	1	26-Jun-23	AC
S230621PPCCR5XX01	CCR 5	6/21/23 8:48 AM	EPA 200.7 TOTAL	Beryllium	0.592	ug/L	I	0.292	2.00	1	26-Jun-23	AC

June 2023 Laboratory Analytical Results

LAB_SAMPLE_ID	CUST_SAMPLE_ID	COLLECT_DATE	METHOD	CMP_DESC	RESULT	UNITS	QUALIFIERS	MDL	PQL	DIL_FACT	ANAL_DATE_TIME	ANALYST
S230621PPCCR5XX01	CCR 5	6/21/23 8:48 AM	EPA 200.7 TOTAL	Boron	13981	ug/L		27.9	100	5	26-Jun-23	AC
S230621PPCCR5XX01	CCR 5	6/21/23 8:48 AM	EPA 200.7 TOTAL	Cadmium	0.295 U	ug/L		0.295	4.00	1	26-Jun-23	AC
S230621PPCCR5XX01	CCR 5	6/21/23 8:48 AM	EPA 200.7 TOTAL	Calcium	311720	ug/L		105	200	5	26-Jun-23	AC
S230621PPCCR5XX01	CCR 5	6/21/23 8:48 AM	EPA 200.7 TOTAL	Chromium	5.06	ug/L	I	0.470	16.0	1	26-Jun-23	AC
S230621PPCCR5XX01	CCR 5	6/21/23 8:48 AM	EPA 200.7 TOTAL	Cobalt	1.57	ug/L	I	0.912	20.0	1	26-Jun-23	AC
S230621PPCCR5XX01	CCR 5	6/21/23 8:48 AM	EPA 200.7 TOTAL	Molybdenum	4.08 U	ug/L		4.08	16.0	1	26-Jun-23	AC
S230621PPCCR5XX01	CCR 5	6/21/23 8:48 AM	EPA 200.8	Lithium	4.2	ug/L		0.44	2.0	2	30-Jun-23	Pace
S230621PPCCR5XX01	CCR 5	6/21/23 8:48 AM	EPA 200.8 TOTAL	Antimony	0.431 U	ug/L		0.431	2.50	1	29-Jun-23	AB
S230621PPCCR5XX01	CCR 5	6/21/23 8:48 AM	EPA 200.8 TOTAL	Arsenic	3.43	ug/L		0.250	2.50	1	29-Jun-23	AB
S230621PPCCR5XX01	CCR 5	6/21/23 8:48 AM	EPA 200.8 TOTAL	Lead	3.07	ug/L		0.181	0.625	1	29-Jun-23	AB
S230621PPCCR5XX01	CCR 5	6/21/23 8:48 AM	EPA 200.8 TOTAL	Selenium	3.77	ug/L		1.19	2.50	1	29-Jun-23	AB
S230621PPCCR5XX01	CCR 5	6/21/23 8:48 AM	EPA 200.8 TOTAL	Thallium	0.499 U	ug/L		0.499	2.50	1	29-Jun-23	AB
S230621PPCCR5XX01	CCR 5	6/21/23 8:48 AM	EPA 245.1	Mercury	0.00600 U	ug/L		0.00600	0.200	1	28-Jun-23	KC
S230621PPCCR5XX01	CCR 5	6/21/23 8:48 AM	EPA 300.0	Chloride	59.0	mg/L		12.5	25.0	5	28-Jun-23	Pace
S230621PPCCR5XX01	CCR 5	6/21/23 8:48 AM	EPA 300.0	Fluoride	0.23	mg/L	I	0.073	0.25	5	28-Jun-23	Pace
S230621PPCCR5XX01	CCR 5	6/21/23 8:48 AM	EPA 300.0	Sulfate	1240	mg/L		50.0	100	20	28-Jun-23	Pace
S230621PPCCR5XX01	CCR 5	6/21/23 8:48 AM	EPA 903.1	Radium-226	1.16	pCi/L		0.541	0.541	1	19-Jul-23	Pace
S230621PPCCR5XX01	CCR 5	6/21/23 8:48 AM	EPA 904.0	Radium-228	0.846	pCi/L		0.777	0.777	1	17-Jul-23	Pace
S230621PPCCR5XX01	CCR 5	6/21/23 8:48 AM	Field	DO (Field) Concentration	5.51	mg/L				1	06-Jul-23	Field
S230621PPCCR5XX01	CCR 5	6/21/23 8:48 AM	Field	Field Turb	81	NTU				1	06-Jul-23	Field
S230621PPCCR5XX01	CCR 5	6/21/23 8:48 AM	Field	Redox Potential (Field)	-52	mV				1	06-Jul-23	Field
S230621PPCCR5XX01	CCR 5	6/21/23 8:48 AM	Field	Specific Conductance (Field)	2111	umhos/cm				1	06-Jul-23	Field
S230621PPCCR5XX01	CCR 5	6/21/23 8:48 AM	Field	Temp (Field)	23.2	Deg.C				1	06-Jul-23	Field
S230621PPCCR5XX01	CCR 5	6/21/23 8:48 AM	Field	pH (Field)	5.71	S.U.				1	06-Jul-23	Field
S230621PPCCR5XX01	CCR 5	6/21/23 8:48 AM	SM2540 C-2011	Residue, Filterable (TDS)	2173	mg/L		3	5	1	26-Jun-23	GP
S230621PPCCR5XX01	CCR 5	6/21/23 8:48 AM	Total Radium Calcula	Total Radium	2.01	pCi/L		1.32	1.32	1	21-Jul-23	Pace
S230621PPCCRFBFB01	CCR Field Blank	6/21/23 10:07 AM	EPA 200.7 TOTAL	Barium	0.663 U	ug/L		0.663	20.0	1	26-Jun-23	AC
S230621PPCCRFBFB01	CCR Field Blank	6/21/23 10:07 AM	EPA 200.7 TOTAL	Beryllium	0.292 U	ug/L		0.292	2.00	1	26-Jun-23	AC
S230621PPCCRFBFB01	CCR Field Blank	6/21/23 10:07 AM	EPA 200.7 TOTAL	Boron	5.57 U	ug/L		5.57	20.0	1	26-Jun-23	AC
S230621PPCCRFBFB01	CCR Field Blank	6/21/23 10:07 AM	EPA 200.7 TOTAL	Cadmium	0.295 U	ug/L		0.295	4.00	1	26-Jun-23	AC
S230621PPCCRFBFB01	CCR Field Blank	6/21/23 10:07 AM	EPA 200.7 TOTAL	Calcium	41.5	ug/L		21.0	40.0	1	26-Jun-23	AC
S230621PPCCRFBFB01	CCR Field Blank	6/21/23 10:07 AM	EPA 200.7 TOTAL	Chromium	0.470 U	ug/L		0.470	16.0	1	26-Jun-23	AC
S230621PPCCRFBFB01	CCR Field Blank	6/21/23 10:07 AM	EPA 200.7 TOTAL	Cobalt	0.912 U	ug/L		0.912	20.0	1	26-Jun-23	AC
S230621PPCCRFBFB01	CCR Field Blank	6/21/23 10:07 AM	EPA 200.7 TOTAL	Molybdenum	4.08 U	ug/L		4.08	16.0	1	26-Jun-23	AC
S230621PPCCRFBFB01	CCR Field Blank	6/21/23 10:07 AM	EPA 200.8	Lithium	0.22 U	ug/L	U	0.22	1.0	1	30-Jun-23	Pace
S230621PPCCRFBFB01	CCR Field Blank	6/21/23 10:07 AM	EPA 200.8 TOTAL	Antimony	0.431 U	ug/L		0.431	2.50	1	29-Jun-23	AB
S230621PPCCRFBFB01	CCR Field Blank	6/21/23 10:07 AM	EPA 200.8 TOTAL	Arsenic	0.250 U	ug/L		0.250	2.50	1	29-Jun-23	AB
S230621PPCCRFBFB01	CCR Field Blank	6/21/23 10:07 AM	EPA 200.8 TOTAL	Lead	0.181 U	ug/L		0.181	0.625	1	29-Jun-23	AB
S230621PPCCRFBFB01	CCR Field Blank	6/21/23 10:07 AM	EPA 200.8 TOTAL	Selenium	1.19 U	ug/L		1.19	2.50	1	29-Jun-23	AB
S230621PPCCRFBFB01	CCR Field Blank	6/21/23 10:07 AM	EPA 200.8 TOTAL	Thallium	0.499 U	ug/L		0.499	2.50	1	29-Jun-23	AB
S230621PPCCRFBFB01	CCR Field Blank	6/21/23 10:07 AM	EPA 245.1	Mercury	0.0210	ug/L	I	0.00600	0.200	1	28-Jun-23	KC
S230621PPCCRFBFB01	CCR Field Blank	6/21/23 10:07 AM	EPA 300.0	Chloride	2.5 U	mg/L	U	2.5	5.0	1	28-Jun-23	Pace
S230621PPCCRFBFB01	CCR Field Blank	6/21/23 10:07 AM	EPA 300.0	Fluoride	0.015 U	mg/L	U	0.015	0.050	1	28-Jun-23	Pace
S230621PPCCRFBFB01	CCR Field Blank	6/21/23 10:07 AM	EPA 300.0	Sulfate	2.5 U	mg/L	U	2.5	5.0	1	28-Jun-23	Pace
S230621PPCCRFBFB01	CCR Field Blank	6/21/23 10:07 AM	EPA 903.1	Radium-226	0.865U	pCi/L	U	0.865	0.865	1	19-Jul-23	Pace
S230621PPCCRFBFB01	CCR Field Blank	6/21/23 10:07 AM	EPA 904.0	Radium-228	0.971	pCi/L		0.811	0.811	1	17-Jul-23	Pace
S230621PPCCRFBFB01	CCR Field Blank	6/21/23 10:07 AM	SM2540 C-2011	Residue, Filterable (TDS)	4	mg/L	I	3	5	1	26-Jun-23	GP
S230621PPCCRFBFB01	CCR Field Blank	6/21/23 10:07 AM	Total Radium Calcula	Total Radium	1.84	pCi/L		1.68	1.68	1	21-Jul-23	Pace
S230621PPCCR6XX01	CCR-6	6/21/23 9:46 AM	EPA 200.7 TOTAL	Aluminum	479.78	ug/L		5.59	20.0	1	26-Jun-23	AC
S230621PPCCR6XX01	CCR-6	6/21/23 9:46 AM	EPA 200.7 TOTAL	Barium	46.4	ug/L		0.663	20.0	1	26-Jun-23	AC
S230621PPCCR6XX01	CCR-6	6/21/23 9:46 AM	EPA 200.7 TOTAL	Beryllium	0.292 U	ug/L		0.292	2.00	1	26-Jun-23	AC
S230621PPCCR6XX01	CCR-6	6/21/23 9:46 AM	EPA 200.7 TOTAL	Boron	27524	ug/L		27.9	100	5	26-Jun-23	AC
S230621PPCCR6XX01	CCR-6	6/21/23 9:46 AM	EPA 200.7 TOTAL	Cadmium	0.295 U	ug/L		0.295	4.00	1	26-Jun-23	AC
S230621PPCCR6XX01	CCR-6	6/21/23 9:46 AM	EPA 200.7 TOTAL	Calcium	381340	ug/L		105	200	5	26-Jun-23	AC
S230621PPCCR6XX01	CCR-6	6/21/23 9:46 AM	EPA 200.7 TOTAL	Chromium	0.470 U	ug/L		0.470	16.0	1	26-Jun-23	AC
S230621PPCCR6XX01	CCR-6	6/21/23 9:46 AM	EPA 200.7 TOTAL	Cobalt	0.912 U	ug/L		0.912	20.0	1	26-Jun-23	AC
S230621PPCCR6XX01	CCR-6	6/21/23 9:46 AM	EPA 200.7 TOTAL	Iron	5076.4	ug/L		3.65	20.0	1	26-Jun-23	AC
S230621PPCCR6XX01	CCR-6	6/21/23 9:46 AM	EPA 200.7 TOTAL	Magnesium	40809	ug/L		4.95	40.0	1	26-Jun-23	AC
S230621PPCCR6XX01	CCR-6	6/21/23 9:46 AM	EPA 200.7 TOTAL	Molybdenum	13.1	ug/L	I	4.08	16.0	1	26-Jun-23	AC
S230621PPCCR6XX01	CCR-6	6/21/23 9:46 AM	EPA 200.7 TOTAL	Potassium	102650	ug/L		312	5000	5	26-Jun-23	AC
S230621PPCCR6XX01	CCR-6	6/21/23 9:46 AM	EPA 200.7 TOTAL	Sodium	498270	ug/L		169	200	5	26-Jun-23	AC
S230621PPCCR6XX01	CCR-6	6/21/23 9:46 AM	EPA 200.8	Lithium	0.59	ug/L	I	0.22	1.0	1	27-Jun-23	Pace
S230621PPCCR6XX01	CCR-6	6/21/23 9:46 AM	EPA 200.8 TOTAL	Antimony	0.431 U	ug/L		0.431	2.50	1	29-Jun-23	AB
S230621PPCCR6XX01	CCR-6	6/21/23 9:46 AM	EPA 200.8 TOTAL	Arsenic	0.766	ug/L	I	0.250	2.50	1	29-Jun-23	AB
S230621PPCCR6XX01	CCR-6	6/21/23 9:46 AM	EPA 200.8 TOTAL	Lead	0.181 U	ug/L		0.181	0.625	1	29-Jun-23	AB
S230621PPCCR6XX01	CCR-6	6/21/23 9:46 AM	EPA 200.8 TOTAL	Selenium	3.25	ug/L	J2	1.19	2.50	1	29-Jun-23	AB
S230621PPCCR6XX01	CCR-6	6/21/23 9:46 AM	EPA 200.8 TOTAL	Thallium	0.499 U	ug/L		0.499	2.50	1	29-Jun-23	AB
S230621PPCCR6XX01	CCR-6	6/21/23 9:46 AM	EPA 245.1	Mercury	0.00600 U	ug/L		0.00600	0.200	1	28-Jun-23	KC
S230621PPCCR6XX01	CCR-6	6/21/23 9:46 AM	EPA 300.0	Chloride	221	mg/L		12.5	25.0	5	27-Jun-23	Pace
S230621PPCCR6XX01	CCR-6	6/21/23 9:46 AM	EPA 300.0	Fluoride	0.073 U	mg/L	U,D3	0.073	0.25	5	27-Jun-23	Pace
S230621PPCCR6XX01	CCR-6	6/21/23 9:46 AM	EPA 300.0	Sulfate	1960	mg/L		125	250	50	26-Jun-23	Pace

June 2023 Laboratory Analytical Results

LAB_SAMPLE_ID	CUST_SAMPLE_ID	COLLECT_DATE	METHOD	CMP_DESC	RESULT	UNITS	QUALIFIERS	MDL	PQL	DIL_FACT	ANAL_DATE_TIME	ANALYST
S230621PPCCR6XX01	CCR-6	6/21/23 9:46 AM	EPA 353.2	Nitrate	0.12	mg/L		0.02	0.06	1	23-Jun-23	ADG
S230621PPCCR6XX01	CCR-6	6/21/23 9:46 AM	EPA 353.2	Nitrite	0.01 U	mg/L		0.01	0.02	1	23-Jun-23	ADG
S230621PPCCR6XX01	CCR-6	6/21/23 9:46 AM	EPA 365.4	Total Phosphorous	0.13 U	mg/L		0.13	0.40	1	30-Jun-23	GP
S230621PPCCR6XX01	CCR-6	6/21/23 9:46 AM	EPA 903.1	Radium-226	2.99	pCi/L		0.650	0.650	1	17-Jul-23	Pace
S230621PPCCR6XX01	CCR-6	6/21/23 9:46 AM	EPA 904.0	Radium-228	5.25	pCi/L		1.01	1.01	1	11-Jul-23	Pace
S230621PPCCR6XX01	CCR-6	6/21/23 9:46 AM	Field	DO (Field) Concentration	0.37	mg/L				1	06-Jul-23	Field
S230621PPCCR6XX01	CCR-6	6/21/23 9:46 AM	Field	Field Turb	5.23	NTU				1	06-Jul-23	Field
S230621PPCCR6XX01	CCR-6	6/21/23 9:46 AM	Field	Redox Potential (Field)	-197	mV				1	06-Jul-23	Field
S230621PPCCR6XX01	CCR-6	6/21/23 9:46 AM	Field	Specific Conductance (Field)	3981	umhos/cm				1	06-Jul-23	Field
S230621PPCCR6XX01	CCR-6	6/21/23 9:46 AM	Field	Temp (Field)	23.9	Deg.C				1	06-Jul-23	Field
S230621PPCCR6XX01	CCR-6	6/21/23 9:46 AM	Field	pH (Field)	5.92	S.U.				1	06-Jul-23	Field
S230621PPCCR6XX01	CCR-6	6/21/23 9:46 AM	SM2320 B-2011	Alkalinity (Bicarbonate)	111	mg/L		20.0	20.0	1	27-Jun-23	KC
S230621PPCCR6XX01	CCR-6	6/21/23 9:46 AM	SM2320 B-2011	Alkalinity (Carbonate)	0.00	mg/L				1	27-Jun-23	KC
S230621PPCCR6XX01	CCR-6	6/21/23 9:46 AM	SM2320 B-2011	Alkalinity (Total)	111	mg/L		20.0	20.0	1	27-Jun-23	KC
S230621PPCCR6XX01	CCR-6	6/21/23 9:46 AM	SM2340 B-2011	T Hardness (as CaCO3)	1120	mg/L		0.0200		1	09-Jul-23	LC
S230621PPCCR6XX01	CCR-6	6/21/23 9:46 AM	SM2510 B-2011	Specific Conductance	4610	umhos/cm		1.00	10.0		27-Jun-23	DS
S230621PPCCR6XX01	CCR-6	6/21/23 9:46 AM	SM2540 C-2011	Residue, Filterable (TDS)	3462	mg/L		3	5	1	26-Jun-23	GP
S230621PPCCR6XX01	CCR-6	6/21/23 9:46 AM	Total Radium Calcula	Total Radium	8.24	pCi/L		1.66	1.66	1	18-Jul-23	Pace
S230621PPCCR7XX01	CCR-7	6/21/23 10:42 AM	EPA 200.7 TOTAL	Aluminum	659.66	ug/L		5.59	20.0	1	26-Jun-23	AC
S230621PPCCR7XX01	CCR-7	6/21/23 10:42 AM	EPA 200.7 TOTAL	Barium	13.9	ug/L	I	0.663	20.0	1	26-Jun-23	AC
S230621PPCCR7XX01	CCR-7	6/21/23 10:42 AM	EPA 200.7 TOTAL	Beryllium	0.292 U	ug/L		0.292	2.00	1	26-Jun-23	AC
S230621PPCCR7XX01	CCR-7	6/21/23 10:42 AM	EPA 200.7 TOTAL	Boron	6688.6	ug/L		5.57	20.0	1	26-Jun-23	AC
S230621PPCCR7XX01	CCR-7	6/21/23 10:42 AM	EPA 200.7 TOTAL	Cadmium	0.295 U	ug/L		0.295	4.00	1	26-Jun-23	AC
S230621PPCCR7XX01	CCR-7	6/21/23 10:42 AM	EPA 200.7 TOTAL	Calcium	169950	ug/L		21.0	40.0	1	26-Jun-23	AC
S230621PPCCR7XX01	CCR-7	6/21/23 10:42 AM	EPA 200.7 TOTAL	Chromium	1.07	ug/L	I	0.470	16.0	1	26-Jun-23	AC
S230621PPCCR7XX01	CCR-7	6/21/23 10:42 AM	EPA 200.7 TOTAL	Cobalt	0.912 U	ug/L		0.912	20.0	1	26-Jun-23	AC
S230621PPCCR7XX01	CCR-7	6/21/23 10:42 AM	EPA 200.7 TOTAL	Iron	550.30	ug/L		3.65	20.0	1	26-Jun-23	AC
S230621PPCCR7XX01	CCR-7	6/21/23 10:42 AM	EPA 200.7 TOTAL	Magnesium	8819.5	ug/L		4.95	40.0	1	26-Jun-23	AC
S230621PPCCR7XX01	CCR-7	6/21/23 10:42 AM	EPA 200.7 TOTAL	Molybdenum	6.61	ug/L	I	4.08	16.0	1	26-Jun-23	AC
S230621PPCCR7XX01	CCR-7	6/21/23 10:42 AM	EPA 200.7 TOTAL	Potassium	29861	ug/L		62.5	1000	1	26-Jun-23	AC
S230621PPCCR7XX01	CCR-7	6/21/23 10:42 AM	EPA 200.7 TOTAL	Sodium	44004	ug/L		33.9	40.0	1	26-Jun-23	AC
S230621PPCCR7XX01	CCR-7	6/21/23 10:42 AM	EPA 200.8	Lithium	0.86	ug/L	I	0.22	1.0	1	27-Jun-23	Pace
S230621PPCCR7XX01	CCR-7	6/21/23 10:42 AM	EPA 200.8 TOTAL	Antimony	0.431 U	ug/L		0.431	2.50	1	29-Jun-23	AB
S230621PPCCR7XX01	CCR-7	6/21/23 10:42 AM	EPA 200.8 TOTAL	Arsenic	0.596	ug/L	I	0.250	2.50	1	29-Jun-23	AB
S230621PPCCR7XX01	CCR-7	6/21/23 10:42 AM	EPA 200.8 TOTAL	Lead	0.181 U	ug/L		0.181	0.625	1	29-Jun-23	AB
S230621PPCCR7XX01	CCR-7	6/21/23 10:42 AM	EPA 200.8 TOTAL	Selenium	1.19 U	ug/L		1.19	2.50	1	29-Jun-23	AB
S230621PPCCR7XX01	CCR-7	6/21/23 10:42 AM	EPA 200.8 TOTAL	Thallium	0.499 U	ug/L		0.499	2.50	1	29-Jun-23	AB
S230621PPCCR7XX01	CCR-7	6/21/23 10:42 AM	EPA 245.1	Mercury	0.0270	ug/L	I	0.00600	0.200	1	28-Jun-23	KC
S230621PPCCR7XX01	CCR-7	6/21/23 10:42 AM	EPA 300.0	Chloride	43.5	mg/L		2.5	5.0	1	26-Jun-23	Pace
S230621PPCCR7XX01	CCR-7	6/21/23 10:42 AM	EPA 300.0	Fluoride	0.018	mg/L	I	0.015	0.050	1	26-Jun-23	Pace
S230621PPCCR7XX01	CCR-7	6/21/23 10:42 AM	EPA 300.0	Sulfate	393	mg/L		12.5	25.0	5	25-Jun-23	Pace
S230621PPCCR7XX01	CCR-7	6/21/23 10:42 AM	EPA 353.2	Nitrate	0.08	mg/L		0.02	0.06	1	23-Jun-23	ADG
S230621PPCCR7XX01	CCR-7	6/21/23 10:42 AM	EPA 353.2	Nitrite	0.01 U	mg/L		0.01	0.02	1	23-Jun-23	ADG
S230621PPCCR7XX01	CCR-7	6/21/23 10:42 AM	EPA 365.4	Total Phosphorous	0.13 U	mg/L		0.13	0.40	1	30-Jun-23	GP
S230621PPCCR7XX01	CCR-7	6/21/23 10:42 AM	EPA 903.1	Radium-226	0.853	pCi/L		0.574	0.574	1	17-Jul-23	Pace
S230621PPCCR7XX01	CCR-7	6/21/23 10:42 AM	EPA 904.0	Radium-228	1.92	pCi/L		0.840	0.840	1	11-Jul-23	Pace
S230621PPCCR7XX01	CCR-7	6/21/23 10:42 AM	Field	DO (Field) Concentration	0.24	mg/L				1	06-Jul-23	Field
S230621PPCCR7XX01	CCR-7	6/21/23 10:42 AM	Field	Field Turb	18.8	NTU				1	06-Jul-23	Field
S230621PPCCR7XX01	CCR-7	6/21/23 10:42 AM	Field	Redox Potential (Field)	-128	mV				1	06-Jul-23	Field
S230621PPCCR7XX01	CCR-7	6/21/23 10:42 AM	Field	Specific Conductance (Field)	1073	umhos/cm				1	06-Jul-23	Field
S230621PPCCR7XX01	CCR-7	6/21/23 10:42 AM	Field	Temp (Field)	25.2	Deg.C				1	06-Jul-23	Field
S230621PPCCR7XX01	CCR-7	6/21/23 10:42 AM	Field	pH (Field)	5.81	S.U.				1	06-Jul-23	Field
S230621PPCCR7XX01	CCR-7	6/21/23 10:42 AM	SM2320 B-2011	Alkalinity (Bicarbonate)	116	mg/L		20.0	20.0	1	27-Jun-23	KC
S230621PPCCR7XX01	CCR-7	6/21/23 10:42 AM	SM2320 B-2011	Alkalinity (Carbonate)	0.00	mg/L				1	27-Jun-23	KC
S230621PPCCR7XX01	CCR-7	6/21/23 10:42 AM	SM2320 B-2011	Alkalinity (Total)	116	mg/L		20.0	20.0	1	27-Jun-23	KC
S230621PPCCR7XX01	CCR-7	6/21/23 10:42 AM	SM2340 B-2011	T Hardness (as CaCO3)	461	mg/L		0.0200		1	09-Jul-23	LC
S230621PPCCR7XX01	CCR-7	6/21/23 10:42 AM	SM2540 C-2011	Residue, Filterable (TDS)	866	mg/L		3	5	1	26-Jun-23	GP
S230621PPCCR7XX01	CCR-7	6/21/23 10:42 AM	Total Radium Calcula	Total Radium	2.77	pCi/L		1.41	1.41	1	18-Jul-23	Pace
S230621PPAW6XX01	AW-6	6/21/23 12:34 PM	EPA 200.7 TOTAL	Aluminum	2975.0	ug/L		5.59	20.0	1	26-Jun-23	AC
S230621PPAW6XX01	AW-6	6/21/23 12:34 PM	EPA 200.7 TOTAL	Barium	30.8	ug/L		0.663	20.0	1	26-Jun-23	AC
S230621PPAW6XX01	AW-6	6/21/23 12:34 PM	EPA 200.7 TOTAL	Beryllium	0.308	ug/L	I	0.292	2.00	1	26-Jun-23	AC
S230621PPAW6XX01	AW-6	6/21/23 12:34 PM	EPA 200.7 TOTAL	Boron	4775.2	ug/L		5.57	20.0	1	26-Jun-23	AC
S230621PPAW6XX01	AW-6	6/21/23 12:34 PM	EPA 200.7 TOTAL	Cadmium	0.295 U	ug/L		0.295	4.00	1	26-Jun-23	AC
S230621PPAW6XX01	AW-6	6/21/23 12:34 PM	EPA 200.7 TOTAL	Calcium	274020	ug/L		105	200	5	05-Jul-23	ZC
S230621PPAW6XX01	AW-6	6/21/23 12:34 PM	EPA 200.7 TOTAL	Chromium	0.470 U	ug/L		0.470	16.0	1	26-Jun-23	AC
S230621PPAW6XX01	AW-6	6/21/23 12:34 PM	EPA 200.7 TOTAL	Cobalt	0.912 U	ug/L		0.912	20.0	1	26-Jun-23	AC
S230621PPAW6XX01	AW-6	6/21/23 12:34 PM	EPA 200.7 TOTAL	Iron	1492.7	ug/L		3.65	20.0	1	26-Jun-23	AC
S230621PPAW6XX01	AW-6	6/21/23 12:34 PM	EPA 200.7 TOTAL	Magnesium	14387	ug/L		4.95	40.0	1	26-Jun-23	AC
S230621PPAW6XX01	AW-6	6/21/23 12:34 PM	EPA 200.7 TOTAL	Molybdenum	4.08 U	ug/L		4.08	16.0	1	26-Jun-23	AC
S230621PPAW6XX01	AW-6	6/21/23 12:34 PM	EPA 200.7 TOTAL	Potassium	15019	ug/L		62.5	1000	1	26-Jun-23	AC
S230621PPAW6XX01	AW-6	6/21/23 12:34 PM	EPA 200.7 TOTAL	Sodium	96798	ug/L		33.9	40.0	1	26-Jun-23	AC

June 2023 Laboratory Analytical Results

LAB_SAMPLE_ID	CUST_SAMPLE_ID	COLLECT_DATE	METHOD	CMP_DESC	RESULT	UNITS	QUALIFIERS	MDL	PQL	DIL_FACT	ANAL_DATE_TIME	ANALYST
S230621PPAW6XX01	AW-6	6/21/23 12:34 PM	EPA 200.8	Lithium	0.65	ug/L	I	0.22	1.0	1	27-Jun-23	Pace
S230621PPAW6XX01	AW-6	6/21/23 12:34 PM	EPA 200.8 TOTAL	Antimony	0.431 U	ug/L		0.431	2.50	1	29-Jun-23	AB
S230621PPAW6XX01	AW-6	6/21/23 12:34 PM	EPA 200.8 TOTAL	Arsenic	0.940	ug/L	I	0.250	2.50	1	29-Jun-23	AB
S230621PPAW6XX01	AW-6	6/21/23 12:34 PM	EPA 200.8 TOTAL	Lead	0.181 U	ug/L		0.181	0.625	1	29-Jun-23	AB
S230621PPAW6XX01	AW-6	6/21/23 12:34 PM	EPA 200.8 TOTAL	Selenium	1.19 U	ug/L		1.19	2.50	1	29-Jun-23	AB
S230621PPAW6XX01	AW-6	6/21/23 12:34 PM	EPA 200.8 TOTAL	Thallium	0.499 U	ug/L		0.499	2.50	1	29-Jun-23	AB
S230621PPAW6XX01	AW-6	6/21/23 12:34 PM	EPA 245.1	Mercury	0.00600 U	ug/L		0.00600	0.200	1	28-Jun-23	KC
S230621PPAW6XX01	AW-6	6/21/23 12:34 PM	EPA 300.0	Chloride	43.8	mg/L		5.0	10.0	2	26-Jun-23	Pace
S230621PPAW6XX01	AW-6	6/21/23 12:34 PM	EPA 300.0	Fluoride	0.054	mg/L	I,D3	0.029	0.10	2	26-Jun-23	Pace
S230621PPAW6XX01	AW-6	6/21/23 12:34 PM	EPA 300.0	Sulfate	843	mg/L		25.0	50.0	10	25-Jun-23	Pace
S230621PPAW6XX01	AW-6	6/21/23 12:34 PM	EPA 353.2	Nitrate	0.07	mg/L		0.02	0.06	1	23-Jun-23	ADG
S230621PPAW6XX01	AW-6	6/21/23 12:34 PM	EPA 353.2	Nitrite	0.07	mg/L		0.01	0.02	1	23-Jun-23	ADG
S230621PPAW6XX01	AW-6	6/21/23 12:34 PM	EPA 365.4	Total Phosphorous	0.13 U	mg/L		0.13	0.40	1	30-Jun-23	GP
S230621PPAW6XX01	AW-6	6/21/23 12:34 PM	EPA 903.1	Radium-226	0.680	pCi/L		0.636	0.636	1	17-Jul-23	Pace
S230621PPAW6XX01	AW-6	6/21/23 12:34 PM	EPA 904.0	Radium-228	0.923	pCi/L		0.889	0.889	1	11-Jul-23	Pace
S230621PPAW6XX01	AW-6	6/21/23 12:34 PM	Field	DO (Field) Concentration	0.48	mg/L				1	06-Jul-23	Field
S230621PPAW6XX01	AW-6	6/21/23 12:34 PM	Field	Field Turb	3.07	NTU				1	06-Jul-23	Field
S230621PPAW6XX01	AW-6	6/21/23 12:34 PM	Field	Redox Potential (Field)	-30	mV				1	06-Jul-23	Field
S230621PPAW6XX01	AW-6	6/21/23 12:34 PM	Field	Specific Conductance (Field)	1570	umhos/cm				1	06-Jul-23	Field
S230621PPAW6XX01	AW-6	6/21/23 12:34 PM	Field	Temp (Field)	24.1	Deg.C				1	06-Jul-23	Field
S230621PPAW6XX01	AW-6	6/21/23 12:34 PM	Field	pH (Field)	4.35	S.U.				1	06-Jul-23	Field
S230621PPAW6XX01	AW-6	6/21/23 12:34 PM	SM2320 B-2011	Alkalinity (Bicarbonate)	20.0 U	mg/L		20.0	20.0	1	27-Jun-23	KC
S230621PPAW6XX01	AW-6	6/21/23 12:34 PM	SM2320 B-2011	Alkalinity (Carbonate)	0.00	mg/L				1	27-Jun-23	KC
S230621PPAW6XX01	AW-6	6/21/23 12:34 PM	SM2320 B-2011	Alkalinity (Total)	20.0 U	mg/L		20.0	20.0	1	27-Jun-23	KC
S230621PPAW6XX01	AW-6	6/21/23 12:34 PM	SM2340 B-2011	T Hardness (as CaCO3)	744	mg/L		0.0200		1	09-Jul-23	LC
S230621PPAW6XX01	AW-6	6/21/23 12:34 PM	SM2510 B-2011	Specific Conductance	1770	umhos/cm		1.00	10.0		27-Jun-23	DS
S230621PPAW6XX01	AW-6	6/21/23 12:34 PM	SM2540 C-2011	Residue, Filterable (TDS)	1354	mg/L		3	5	1	26-Jun-23	GP
S230621PPAW6XX01	AW-6	6/21/23 12:34 PM	Total Radium Calcula	Total Radium	1.60	pCi/L		1.53	1.53	1	18-Jul-23	Pace
S230621PPAW7XX01	AW-7	6/21/23 1:21 PM	EPA 200.7 TOTAL	Aluminum	199.26	ug/L		5.59	20.0	1	26-Jun-23	AC
S230621PPAW7XX01	AW-7	6/21/23 1:21 PM	EPA 200.7 TOTAL	Barium	28.8	ug/L		0.663	20.0	1	26-Jun-23	AC
S230621PPAW7XX01	AW-7	6/21/23 1:21 PM	EPA 200.7 TOTAL	Beryllium	0.292 U	ug/L		0.292	2.00	1	26-Jun-23	AC
S230621PPAW7XX01	AW-7	6/21/23 1:21 PM	EPA 200.7 TOTAL	Boron	5560.1	ug/L		5.57	20.0	1	26-Jun-23	AC
S230621PPAW7XX01	AW-7	6/21/23 1:21 PM	EPA 200.7 TOTAL	Cadmium	0.295 U	ug/L		0.295	4.00	1	26-Jun-23	AC
S230621PPAW7XX01	AW-7	6/21/23 1:21 PM	EPA 200.7 TOTAL	Calcium	235710	ug/L		105	200	5	05-Jul-23	ZC
S230621PPAW7XX01	AW-7	6/21/23 1:21 PM	EPA 200.7 TOTAL	Chromium	0.470 U	ug/L		0.470	16.0	1	26-Jun-23	AC
S230621PPAW7XX01	AW-7	6/21/23 1:21 PM	EPA 200.7 TOTAL	Cobalt	0.912 U	ug/L		0.912	20.0	1	26-Jun-23	AC
S230621PPAW7XX01	AW-7	6/21/23 1:21 PM	EPA 200.7 TOTAL	Iron	57.2	ug/L		3.65	20.0	1	26-Jun-23	AC
S230621PPAW7XX01	AW-7	6/21/23 1:21 PM	EPA 200.7 TOTAL	Magnesium	14020	ug/L		4.95	40.0	1	26-Jun-23	AC
S230621PPAW7XX01	AW-7	6/21/23 1:21 PM	EPA 200.7 TOTAL	Molybdenum	4.31	ug/L	I	4.08	16.0	1	26-Jun-23	AC
S230621PPAW7XX01	AW-7	6/21/23 1:21 PM	EPA 200.7 TOTAL	Potassium	20540	ug/L		62.5	1000	1	26-Jun-23	AC
S230621PPAW7XX01	AW-7	6/21/23 1:21 PM	EPA 200.7 TOTAL	Sodium	84936	ug/L		33.9	40.0	1	26-Jun-23	AC
S230621PPAW7XX01	AW-7	6/21/23 1:21 PM	EPA 200.8	Lithium	0.32	ug/L	I	0.22	1.0	1	27-Jun-23	Pace
S230621PPAW7XX01	AW-7	6/21/23 1:21 PM	EPA 200.8 TOTAL	Antimony	0.431 U	ug/L		0.431	2.50	1	29-Jun-23	AB
S230621PPAW7XX01	AW-7	6/21/23 1:21 PM	EPA 200.8 TOTAL	Arsenic	5.30	ug/L		0.250	2.50	1	29-Jun-23	AB
S230621PPAW7XX01	AW-7	6/21/23 1:21 PM	EPA 200.8 TOTAL	Lead	0.181 U	ug/L		0.181	0.625	1	29-Jun-23	AB
S230621PPAW7XX01	AW-7	6/21/23 1:21 PM	EPA 200.8 TOTAL	Selenium	1.19 U	ug/L		1.19	2.50	1	29-Jun-23	AB
S230621PPAW7XX01	AW-7	6/21/23 1:21 PM	EPA 200.8 TOTAL	Thallium	0.499 U	ug/L		0.499	2.50	1	29-Jun-23	AB
S230621PPAW7XX01	AW-7	6/21/23 1:21 PM	EPA 245.1	Mercury	0.00600 U	ug/L		0.00600	0.200	1	28-Jun-23	KC
S230621PPAW7XX01	AW-7	6/21/23 1:21 PM	EPA 300.0	Chloride	44.4	mg/L		5.0	10.0	2	27-Jun-23	Pace
S230621PPAW7XX01	AW-7	6/21/23 1:21 PM	EPA 300.0	Fluoride	0.15 U	mg/L	U,D3	0.15	0.50	10	27-Jun-23	Pace
S230621PPAW7XX01	AW-7	6/21/23 1:21 PM	EPA 300.0	Sulfate	671	mg/L		25.0	50.0	10	27-Jun-23	Pace
S230621PPAW7XX01	AW-7	6/21/23 1:21 PM	EPA 353.2	Nitrate	0.02 U	mg/L		0.02	0.06	1	23-Jun-23	ADG
S230621PPAW7XX01	AW-7	6/21/23 1:21 PM	EPA 353.2	Nitrite	0.01 U	mg/L		0.01	0.02	1	23-Jun-23	ADG
S230621PPAW7XX01	AW-7	6/21/23 1:21 PM	EPA 365.4	Total Phosphorous	0.13 U	mg/L		0.13	0.40	1	30-Jun-23	GP
S230621PPAW7XX01	AW-7	6/21/23 1:21 PM	EPA 903.1	Radium-226	1.52	pCi/L		0.804	0.804	1	17-Jul-23	Pace
S230621PPAW7XX01	AW-7	6/21/23 1:21 PM	EPA 904.0	Radium-228	1.42	pCi/L		1.04	1.04	1	11-Jul-23	Pace
S230621PPAW7XX01	AW-7	6/21/23 1:21 PM	Field	DO (Field) Concentration	0.63	mg/L				1	06-Jul-23	Field
S230621PPAW7XX01	AW-7	6/21/23 1:21 PM	Field	Field Turb	1.6	NTU				1	06-Jul-23	Field
S230621PPAW7XX01	AW-7	6/21/23 1:21 PM	Field	Redox Potential (Field)	-194	mV				1	06-Jul-23	Field
S230621PPAW7XX01	AW-7	6/21/23 1:21 PM	Field	Specific Conductance (Field)	1413	umhos/cm				1	06-Jul-23	Field
S230621PPAW7XX01	AW-7	6/21/23 1:21 PM	Field	Temp (Field)	23.6	Deg.C				1	06-Jul-23	Field
S230621PPAW7XX01	AW-7	6/21/23 1:21 PM	Field	pH (Field)	6.25	S.U.				1	06-Jul-23	Field
S230621PPAW7XX01	AW-7	6/21/23 1:21 PM	SM2320 B-2011	Alkalinity (Bicarbonate)	68.8	mg/L		20.0	20.0	1	27-Jun-23	KC
S230621PPAW7XX01	AW-7	6/21/23 1:21 PM	SM2320 B-2011	Alkalinity (Carbonate)	0.00	mg/L				1	27-Jun-23	KC
S230621PPAW7XX01	AW-7	6/21/23 1:21 PM	SM2320 B-2011	Alkalinity (Total)	68.8	mg/L		20.0	20.0	1	27-Jun-23	KC
S230621PPAW7XX01	AW-7	6/21/23 1:21 PM	SM2340 B-2011	T Hardness (as CaCO3)	646	mg/L		0.0200		1	09-Jul-23	LC
S230621PPAW7XX01	AW-7	6/21/23 1:21 PM	SM2510 B-2011	Specific Conductance	1550	umhos/cm		1.00	10.0		27-Jun-23	DS
S230621PPAW7XX01	AW-7	6/21/23 1:21 PM	SM2540 C-2011	Residue, Filterable (TDS)	1188	mg/L		3	5	1	26-Jun-23	GP
S230621PPAW7XX01	AW-7	6/21/23 1:21 PM	Total Radium Calcula	Total Radium	2.94	pCi/L		1.84	1.84	1	18-Jul-23	Pace
S230621PPAW9XX01	AW-9	6/21/23 11:36 AM	EPA 200.7 TOTAL	Aluminum	5361.3	ug/L		5.59	20.0	1	26-Jun-23	AC
S230621PPAW9XX01	AW-9	6/21/23 11:36 AM	EPA 200.7 TOTAL	Barium	56.4	ug/L		0.663	20.0	1	26-Jun-23	AC

June 2023 Laboratory Analytical Results

LAB_SAMPLE_ID	CUST_SAMPLE_ID	COLLECT_DATE	METHOD	CMP_DESC	RESULT	UNITS	QUALIFIERS	MDL	PQL	DIL_FACT	ANAL_DATE_TIME	ANALYST
S230621PPAW9XX01	AW-9	6/21/23 11:36 AM	EPA 200.7 TOTAL	Beryllium	0.713	ug/L	I	0.292	2.00	1	26-Jun-23	AC
S230621PPAW9XX01	AW-9	6/21/23 11:36 AM	EPA 200.7 TOTAL	Boron	245.13	ug/L		5.57	20.0	1	26-Jun-23	AC
S230621PPAW9XX01	AW-9	6/21/23 11:36 AM	EPA 200.7 TOTAL	Cadmium	0.295 U	ug/L		0.295	4.00	1	26-Jun-23	AC
S230621PPAW9XX01	AW-9	6/21/23 11:36 AM	EPA 200.7 TOTAL	Calcium	85096	ug/L		21.0	40.0	1	26-Jun-23	AC
S230621PPAW9XX01	AW-9	6/21/23 11:36 AM	EPA 200.7 TOTAL	Chromium	0.920	ug/L	I	0.470	16.0	1	26-Jun-23	AC
S230621PPAW9XX01	AW-9	6/21/23 11:36 AM	EPA 200.7 TOTAL	Cobalt	0.912 U	ug/L		0.912	20.0	1	26-Jun-23	AC
S230621PPAW9XX01	AW-9	6/21/23 11:36 AM	EPA 200.7 TOTAL	Iron	1838.9	ug/L		3.65	20.0	1	26-Jun-23	AC
S230621PPAW9XX01	AW-9	6/21/23 11:36 AM	EPA 200.7 TOTAL	Magnesium	12438	ug/L		4.95	40.0	1	26-Jun-23	AC
S230621PPAW9XX01	AW-9	6/21/23 11:36 AM	EPA 200.7 TOTAL	Molybdenum	4.08 U	ug/L		4.08	16.0	1	26-Jun-23	AC
S230621PPAW9XX01	AW-9	6/21/23 11:36 AM	EPA 200.7 TOTAL	Potassium	1091.5	ug/L		62.5	1000	1	26-Jun-23	AC
S230621PPAW9XX01	AW-9	6/21/23 11:36 AM	EPA 200.7 TOTAL	Sodium	32789	ug/L		33.9	40.0	1	26-Jun-23	AC
S230621PPAW9XX01	AW-9	6/21/23 11:36 AM	EPA 200.8	Lithium	0.50	ug/L	I	0.22	1.0	1	27-Jun-23	Pace
S230621PPAW9XX01	AW-9	6/21/23 11:36 AM	EPA 200.8 TOTAL	Antimony	0.431 U	ug/L		0.431	2.50	1	29-Jun-23	AB
S230621PPAW9XX01	AW-9	6/21/23 11:36 AM	EPA 200.8 TOTAL	Arsenic	0.522	ug/L	I	0.250	2.50	1	29-Jun-23	AB
S230621PPAW9XX01	AW-9	6/21/23 11:36 AM	EPA 200.8 TOTAL	Lead	0.181 U	ug/L		0.181	0.625	1	29-Jun-23	AB
S230621PPAW9XX01	AW-9	6/21/23 11:36 AM	EPA 200.8 TOTAL	Selenium	1.19 U	ug/L		1.19	2.50	1	29-Jun-23	AB
S230621PPAW9XX01	AW-9	6/21/23 11:36 AM	EPA 200.8 TOTAL	Thallium	0.499 U	ug/L		0.499	2.50	1	29-Jun-23	AB
S230621PPAW9XX01	AW-9	6/21/23 11:36 AM	EPA 245.1	Mercury	0.00600 U	ug/L		0.00600	0.200	1	28-Jun-23	KC
S230621PPAW9XX01	AW-9	6/21/23 11:36 AM	EPA 300.0	Chloride	35.4	mg/L		2.5	5.0	1	27-Jun-23	Pace
S230621PPAW9XX01	AW-9	6/21/23 11:36 AM	EPA 300.0	Fluoride	0.11	mg/L		0.015	0.050	1	27-Jun-23	Pace
S230621PPAW9XX01	AW-9	6/21/23 11:36 AM	EPA 300.0	Sulfate	311	mg/L		12.5	25.0	5	27-Jun-23	Pace
S230621PPAW9XX01	AW-9	6/21/23 11:36 AM	EPA 353.2	Nitrate	0.11	mg/L		0.02	0.06	1	23-Jun-23	ADG
S230621PPAW9XX01	AW-9	6/21/23 11:36 AM	EPA 353.2	Nitrite	0.01 U	mg/L		0.01	0.02	1	23-Jun-23	ADG
S230621PPAW9XX01	AW-9	6/21/23 11:36 AM	EPA 365.4	Total Phosphorous	0.13 U	mg/L		0.13	0.40	1	30-Jun-23	GP
S230621PPAW9XX01	AW-9	6/21/23 11:36 AM	EPA 903.1	Radium-226	0.945U	pCi/L	U	0.945	0.945	1	17-Jul-23	Pace
S230621PPAW9XX01	AW-9	6/21/23 11:36 AM	EPA 904.0	Radium-228	1.83	pCi/L		0.983	0.983	1	17-Jul-23	Pace
S230621PPAW9XX01	AW-9	6/21/23 11:36 AM	Field	DO (Field) Concentration	0.25	mg/L				1	06-Jul-23	Field
S230621PPAW9XX01	AW-9	6/21/23 11:36 AM	Field	Field Turb	1.8	NTU				1	06-Jul-23	Field
S230621PPAW9XX01	AW-9	6/21/23 11:36 AM	Field	Redox Potential (Field)	12	mV				1	06-Jul-23	Field
S230621PPAW9XX01	AW-9	6/21/23 11:36 AM	Field	Specific Conductance (Field)	685	umhos/cm				1	06-Jul-23	Field
S230621PPAW9XX01	AW-9	6/21/23 11:36 AM	Field	Temp (Field)	21.9	Deg.C				1	06-Jul-23	Field
S230621PPAW9XX01	AW-9	6/21/23 11:36 AM	Field	pH (Field)	4.11	S.U.				1	06-Jul-23	Field
S230621PPAW9XX01	AW-9	6/21/23 11:36 AM	SM2320 B-2011	Alkalinity (Bicarbonate)	20.0 U	mg/L		20.0	20.0	1	27-Jun-23	KC
S230621PPAW9XX01	AW-9	6/21/23 11:36 AM	SM2320 B-2011	Alkalinity (Carbonate)	0.00	mg/L				1	27-Jun-23	KC
S230621PPAW9XX01	AW-9	6/21/23 11:36 AM	SM2320 B-2011	Alkalinity (Total)	20.0 U	mg/L		20.0	20.0	1	27-Jun-23	KC
S230621PPAW9XX01	AW-9	6/21/23 11:36 AM	SM2340 B-2011	T Hardness (as CaCO3)	264	mg/L		0.0200		1	09-Jul-23	LC
S230621PPAW9XX01	AW-9	6/21/23 11:36 AM	SM2510 B-2011	Specific Conductance	767	umhos/cm		1.00	10.0		27-Jun-23	DS
S230621PPAW9XX01	AW-9	6/21/23 11:36 AM	SM2540 C-2011	Residue, Filterable (TDS)	512	mg/L		3	5	1	26-Jun-23	GP
S230621PPAW9XX01	AW-9	6/21/23 11:36 AM	Total Radium Calcula	Total Radium	2.43	pCi/L		1.93	1.93	1	18-Jul-23	Pace
S230621PPAW10XX01	AW-10	6/21/23 2:04 PM	EPA 200.7 TOTAL	Aluminum	5692.7	ug/L		5.59	20.0	1	26-Jun-23	AC
S230621PPAW10XX01	AW-10	6/21/23 2:04 PM	EPA 200.7 TOTAL	Barium	27.2	ug/L		0.663	20.0	1	26-Jun-23	AC
S230621PPAW10XX01	AW-10	6/21/23 2:04 PM	EPA 200.7 TOTAL	Beryllium	1.09	ug/L	I	0.292	2.00	1	26-Jun-23	AC
S230621PPAW10XX01	AW-10	6/21/23 2:04 PM	EPA 200.7 TOTAL	Boron	6182.4	ug/L		5.57	20.0	1	26-Jun-23	AC
S230621PPAW10XX01	AW-10	6/21/23 2:04 PM	EPA 200.7 TOTAL	Cadmium	0.295 U	ug/L		0.295	4.00	1	26-Jun-23	AC
S230621PPAW10XX01	AW-10	6/21/23 2:04 PM	EPA 200.7 TOTAL	Calcium	255390	ug/L		105	200	5	05-Jul-23	ZC
S230621PPAW10XX01	AW-10	6/21/23 2:04 PM	EPA 200.7 TOTAL	Chromium	0.470 U	ug/L		0.470	16.0	1	26-Jun-23	AC
S230621PPAW10XX01	AW-10	6/21/23 2:04 PM	EPA 200.7 TOTAL	Cobalt	0.912 U	ug/L		0.912	20.0	1	26-Jun-23	AC
S230621PPAW10XX01	AW-10	6/21/23 2:04 PM	EPA 200.7 TOTAL	Iron	1815.0	ug/L		3.65	20.0	1	26-Jun-23	AC
S230621PPAW10XX01	AW-10	6/21/23 2:04 PM	EPA 200.7 TOTAL	Magnesium	13676	ug/L		4.95	40.0	1	26-Jun-23	AC
S230621PPAW10XX01	AW-10	6/21/23 2:04 PM	EPA 200.7 TOTAL	Molybdenum	4.08 U	ug/L		4.08	16.0	1	26-Jun-23	AC
S230621PPAW10XX01	AW-10	6/21/23 2:04 PM	EPA 200.7 TOTAL	Potassium	17792	ug/L		62.5	1000	1	26-Jun-23	AC
S230621PPAW10XX01	AW-10	6/21/23 2:04 PM	EPA 200.7 TOTAL	Sodium	91623	ug/L		33.9	40.0	1	26-Jun-23	AC
S230621PPAW10XX01	AW-10	6/21/23 2:04 PM	EPA 200.8	Lithium	0.54	ug/L	I	0.22	1.0	1	27-Jun-23	Pace
S230621PPAW10XX01	AW-10	6/21/23 2:04 PM	EPA 200.8 TOTAL	Antimony	0.431 U	ug/L		0.431	2.50	1	29-Jun-23	AB
S230621PPAW10XX01	AW-10	6/21/23 2:04 PM	EPA 200.8 TOTAL	Arsenic	1.36	ug/L	I	0.250	2.50	1	29-Jun-23	AB
S230621PPAW10XX01	AW-10	6/21/23 2:04 PM	EPA 200.8 TOTAL	Lead	0.181 U	ug/L		0.181	0.625	1	29-Jun-23	AB
S230621PPAW10XX01	AW-10	6/21/23 2:04 PM	EPA 200.8 TOTAL	Selenium	1.19 U	ug/L		1.19	2.50	1	29-Jun-23	AB
S230621PPAW10XX01	AW-10	6/21/23 2:04 PM	EPA 200.8 TOTAL	Thallium	0.499 U	ug/L		0.499	2.50	1	29-Jun-23	AB
S230621PPAW10XX01	AW-10	6/21/23 2:04 PM	EPA 245.1	Mercury	0.00600 U	ug/L		0.00600	0.200	1	28-Jun-23	KC
S230621PPAW10XX01	AW-10	6/21/23 2:04 PM	EPA 300.0	Chloride	43.5	mg/L		5.0	10.0	2	27-Jun-23	Pace
S230621PPAW10XX01	AW-10	6/21/23 2:04 PM	EPA 300.0	Fluoride	0.12	mg/L		0.029	0.10	2	27-Jun-23	Pace
S230621PPAW10XX01	AW-10	6/21/23 2:04 PM	EPA 300.0	Sulfate	843	mg/L		25.0	50.0	10	25-Jun-23	Pace
S230621PPAW10XX01	AW-10	6/21/23 2:04 PM	EPA 353.2	Nitrate	0.02 U	mg/L		0.02	0.06	1	23-Jun-23	ADG
S230621PPAW10XX01	AW-10	6/21/23 2:04 PM	EPA 353.2	Nitrite	0.06	mg/L		0.01	0.02	1	23-Jun-23	ADG
S230621PPAW10XX01	AW-10	6/21/23 2:04 PM	EPA 365.4	Total Phosphorous	0.13 U	mg/L		0.13	0.40	1	30-Jun-23	GP
S230621PPAW10XX01	AW-10	6/21/23 2:04 PM	EPA 903.1	Radium-226	4.07	pCi/L		0.787	0.787	1	17-Jul-23	Pace
S230621PPAW10XX01	AW-10	6/21/23 2:04 PM	EPA 904.0	Radium-228	1.32	pCi/L		0.647	0.647	1	11-Jul-23	Pace
S230621PPAW10XX01	AW-10	6/21/23 2:04 PM	Field	DO (Field) Concentration	0.37	mg/L				1	06-Jul-23	Field
S230621PPAW10XX01	AW-10	6/21/23 2:04 PM	Field	Field Turb	4.97	NTU				1	06-Jul-23	Field
S230621PPAW10XX01	AW-10	6/21/23 2:04 PM	Field	Redox Potential (Field)	-92	mV				1	06-Jul-23	Field
S230621PPAW10XX01	AW-10	6/21/23 2:04 PM	Field	Specific Conductance (Field)	1554	umhos/cm				1	06-Jul-23	Field

June 2023 Laboratory Analytical Results

LAB_SAMPLE_ID	CUST_SAMPLE_ID	COLLECT_DATE	METHOD	CMP_DESC	RESULT	UNITS	QUALIFIERS	MDL	PQL	DIL_FACT	ANAL_DATE_TIME	ANALYST
S230621PPAW10XX01	AW-10	6/21/23 2:04 PM	Field	Temp (Field)	22.5	Deg.C				1	06-Jul-23	Field
S230621PPAW10XX01	AW-10	6/21/23 2:04 PM	Field	pH (Field)	4.31	S.U.				1	06-Jul-23	Field
S230621PPAW10XX01	AW-10	6/21/23 2:04 PM	SM2320 B-2011	Alkalinity (Bicarbonate)	20.0 U	mg/L		20.0	20.0	1	27-Jun-23	KC
S230621PPAW10XX01	AW-10	6/21/23 2:04 PM	SM2320 B-2011	Alkalinity (Carbonate)	0.00	mg/L				1	27-Jun-23	KC
S230621PPAW10XX01	AW-10	6/21/23 2:04 PM	SM2320 B-2011	Alkalinity (Total)	20.0 U	mg/L		20.0	20.0	1	27-Jun-23	KC
S230621PPAW10XX01	AW-10	6/21/23 2:04 PM	SM2340 B-2011	T Hardness (as CaCO3)	694	mg/L		0.0200		1	09-Jul-23	LC
S230621PPAW10XX01	AW-10	6/21/23 2:04 PM	SM2510 B-2011	Specific Conductance	1710	umhos/cm		1.00	10.0		27-Jun-23	DS
S230621PPAW10XX01	AW-10	6/21/23 2:04 PM	SM2540 C-2011	Residue, Filterable (TDS)	1340	mg/L		3	5	1	26-Jun-23	GP
S230621PPAW10XX01	AW-10	6/21/23 2:04 PM	Total Radium Calcula	Total Radium	5.39	pCi/L		1.43	1.43	1	18-Jul-23	Pace

December 2023 Laboratory Analytical Results

LAB SAMPLE ID	CUST SAMPLE ID	COLLECT DATE	METHOD	CMP DESC	RESULT	UNITS	QUALIFIERS	MDL	PQL	DIL FACT	ANAL DATE TIME	ANALYST
S231213PPCCR1XX01	CCR 1	13-Dec-23	EPA 200.7	Lithium	122 U	ug/L	U	122	500	1	23-Jan-24	Pace
S231213PPCCR1XX01	CCR 1	13-Dec-23	EPA 200.7 TOTAL	Barium	35.6	ug/L		0.161	20.0	1	19-Dec-23	AC
S231213PPCCR1XX01	CCR 1	13-Dec-23	EPA 200.7 TOTAL	Beryllium	0.927	ug/L	I	0.129	2.00	1	19-Dec-23	AC
S231213PPCCR1XX01	CCR 1	13-Dec-23	EPA 200.7 TOTAL	Boron	1044.5	ug/L		1.54	20.0	1	19-Dec-23	AC
S231213PPCCR1XX01	CCR 1	13-Dec-23	EPA 200.7 TOTAL	Calcium	46011	ug/L		12.5	40.0	1	19-Dec-23	AC
S231213PPCCR1XX01	CCR 1	13-Dec-23	EPA 200.7 TOTAL	Chromium	0.766 U	ug/L		0.766	16.0	1	19-Dec-23	AC
S231213PPCCR1XX01	CCR 1	13-Dec-23	EPA 200.7 TOTAL	Cobalt	1.49 U	ug/L		1.49	20.0	1	19-Dec-23	AC
S231213PPCCR1XX01	CCR 1	13-Dec-23	EPA 200.7 TOTAL	Molybdenum	2.79 U	ug/L		2.79	16.0	1	19-Dec-23	AC
S231213PPCCR1XX01	CCR 1	13-Dec-23	EPA 200.8 TOTAL	Arsenic	0.405	ug/L	I	0.250	2.50	1.25	21-Dec-23	AB
S231213PPCCR1XX01	CCR 1	13-Dec-23	EPA 200.8 TOTAL	Lead	0.18 U	ug/L		0.18	0.63	1.25	21-Dec-23	AB
S231213PPCCR1XX01	CCR 1	13-Dec-23	EPA 200.8 TOTAL	Selenium	1.2 U	ug/L		1.2	2.5	1.25	21-Dec-23	AB
S231213PPCCR1XX01	CCR 1	13-Dec-23	EPA 245.1	Mercury	0.00600 U	ug/L		0.00600	0.200	1	28-Dec-23	KC
S231213PPCCR1XX01	CCR 1	13-Dec-23	EPA 300.0	Chloride	9.9	mg/L		2.5	5.0	1	03-Jan-24	Pace
S231213PPCCR1XX01	CCR 1	13-Dec-23	EPA 300.0	Fluoride	0.10	mg/L		0.015	0.050	1	03-Jan-24	Pace
S231213PPCCR1XX01	CCR 1	13-Dec-23	EPA 300.0	Sulfate	219	mg/L		12.5	25.0	5	03-Jan-24	Pace
S231213PPCCR1XX01	CCR 1	13-Dec-23	EPA 903.1	Radium-226	1.37	pCi/L		0.794	0.794	1	04-Jan-24	Pace
S231213PPCCR1XX01	CCR 1	13-Dec-23	EPA 904.0	Radium-228	0.667U	pCi/L	U	0.667	0.667	1	04-Jan-24	Pace
S231213PPCCR1XX01	CCR 1	13-Dec-23	Field	DO (Field) Concentration	0.56	mg/L				1	13-Dec-23	Field
S231213PPCCR1XX01	CCR 1	13-Dec-23	Field	Field Turb	3.93	NTU				1	13-Dec-23	Field
S231213PPCCR1XX01	CCR 1	13-Dec-23	Field	Redox Potential (Field)	-54	mV				1	13-Dec-23	Field
S231213PPCCR1XX01	CCR 1	13-Dec-23	Field	Specific Conductance (Field)	524	umhos/cm				1	13-Dec-23	Field
S231213PPCCR1XX01	CCR 1	13-Dec-23	Field	Temp (Field)	22.3	Deg.C				1	13-Dec-23	Field
S231213PPCCR1XX01	CCR 1	13-Dec-23	Field	pH (Field)	4.23	S.U.				1	13-Dec-23	Field
S231213PPCCR1XX01	CCR 1	13-Dec-23	SM2540 C-2011	Residue, Filterable (TDS)	347	mg/L		3	5	1	18-Dec-23	AH
S231213PPCCR1XX01	CCR 1	13-Dec-23	Total Radium Calcula	Total Radium	2.04	pCi/L		1.46	1.46	1	05-Jan-24	Pace
S231213PPCCR2XX01	CCR 2	13-Dec-23	EPA 200.7	Lithium	122 U	ug/L	U	122	500	1	23-Jan-24	Pace
S231213PPCCR2XX01	CCR 2	13-Dec-23	EPA 200.7 TOTAL	Barium	37.4	ug/L		0.161	20.0	1	19-Dec-23	AC
S231213PPCCR2XX01	CCR 2	13-Dec-23	EPA 200.7 TOTAL	Beryllium	1.49	ug/L	I	0.129	2.00	1	19-Dec-23	AC
S231213PPCCR2XX01	CCR 2	13-Dec-23	EPA 200.7 TOTAL	Boron	1141.3	ug/L		1.54	20.0	1	19-Dec-23	AC
S231213PPCCR2XX01	CCR 2	13-Dec-23	EPA 200.7 TOTAL	Calcium	46678	ug/L		12.5	40.0	1	19-Dec-23	AC
S231213PPCCR2XX01	CCR 2	13-Dec-23	EPA 200.7 TOTAL	Chromium	2.19	ug/L	I	0.766	16.0	1	19-Dec-23	AC
S231213PPCCR2XX01	CCR 2	13-Dec-23	EPA 200.7 TOTAL	Cobalt	1.49 U	ug/L		1.49	20.0	1	19-Dec-23	AC
S231213PPCCR2XX01	CCR 2	13-Dec-23	EPA 200.7 TOTAL	Molybdenum	2.79 U	ug/L		2.79	16.0	1	19-Dec-23	AC
S231213PPCCR2XX01	CCR 2	13-Dec-23	EPA 200.8 TOTAL	Arsenic	0.698	ug/L	I	0.250	2.50	1.25	21-Dec-23	AB
S231213PPCCR2XX01	CCR 2	13-Dec-23	EPA 200.8 TOTAL	Lead	0.46	ug/L	I	0.18	0.63	1.25	21-Dec-23	AB
S231213PPCCR2XX01	CCR 2	13-Dec-23	EPA 200.8 TOTAL	Selenium	1.2 U	ug/L		1.2	2.5	1.25	21-Dec-23	AB
S231213PPCCR2XX01	CCR 2	13-Dec-23	EPA 245.1	Mercury	0.00600 U	ug/L		0.00600	0.200	1	28-Dec-23	KC
S231213PPCCR2XX01	CCR 2	13-Dec-23	EPA 300.0	Chloride	10.3	mg/L		2.5	5.0	1	03-Jan-24	Pace
S231213PPCCR2XX01	CCR 2	13-Dec-23	EPA 300.0	Fluoride	0.18	mg/L		0.015	0.050	1	03-Jan-24	Pace
S231213PPCCR2XX01	CCR 2	13-Dec-23	EPA 300.0	Sulfate	262	mg/L		12.5	25.0	5	03-Jan-24	Pace
S231213PPCCR2XX01	CCR 2	13-Dec-23	EPA 903.1	Radium-226	0.975U	pCi/L	U	0.975	0.975	1	04-Jan-24	Pace
S231213PPCCR2XX01	CCR 2	13-Dec-23	EPA 904.0	Radium-228	0.670U	pCi/L	U	0.670	0.670	1	04-Jan-24	Pace
S231213PPCCR2XX01	CCR 2	13-Dec-23	Field	DO (Field) Concentration	0.83	mg/L				1	13-Dec-23	Field
S231213PPCCR2XX01	CCR 2	13-Dec-23	Field	Field Turb	19.3	NTU				1	13-Dec-23	Field
S231213PPCCR2XX01	CCR 2	13-Dec-23	Field	Redox Potential (Field)	-143	mV				1	13-Dec-23	Field
S231213PPCCR2XX01	CCR 2	13-Dec-23	Field	Specific Conductance (Field)	601	umhos/cm				1	13-Dec-23	Field
S231213PPCCR2XX01	CCR 2	13-Dec-23	Field	Temp (Field)	22.0	Deg.C				1	13-Dec-23	Field
S231213PPCCR2XX01	CCR 2	13-Dec-23	Field	pH (Field)	4.13	S.U.				1	13-Dec-23	Field
S231213PPCCR2XX01	CCR 2	13-Dec-23	SM2540 C-2011	Residue, Filterable (TDS)	443	mg/L		3	5	1	18-Dec-23	AH
S231213PPCCR2XX01	CCR 2	13-Dec-23	Total Radium Calcula	Total Radium	1.12	pCi/L		1.65	1.65	1	05-Jan-24	Pace
S231213PPCCR3XX01	CCR 3	13-Dec-23	EPA 200.7	Lithium	122 U	ug/L	U	122	500	1	23-Jan-24	Pace
S231213PPCCR3XX01	CCR 3	13-Dec-23	EPA 200.7 TOTAL	Barium	26.1	ug/L		0.161	20.0	1	19-Dec-23	AC
S231213PPCCR3XX01	CCR 3	13-Dec-23	EPA 200.7 TOTAL	Beryllium	0.278	ug/L	I	0.129	2.00	1	19-Dec-23	AC
S231213PPCCR3XX01	CCR 3	13-Dec-23	EPA 200.7 TOTAL	Boron	3589.9	ug/L		1.54	20.0	1	19-Dec-23	AC
S231213PPCCR3XX01	CCR 3	13-Dec-23	EPA 200.7 TOTAL	Calcium	364870	ug/L		62.4	200	5	08-Jan-24	AC
S231213PPCCR3XX01	CCR 3	13-Dec-23	EPA 200.7 TOTAL	Chromium	0.996	ug/L	I	0.766	16.0	1	19-Dec-23	AC
S231213PPCCR3XX01	CCR 3	13-Dec-23	EPA 200.7 TOTAL	Cobalt	1.49 U	ug/L		1.49	20.0	1	19-Dec-23	AC
S231213PPCCR3XX01	CCR 3	13-Dec-23	EPA 200.7 TOTAL	Molybdenum	2.79 U	ug/L		2.79	16.0	1	19-Dec-23	AC
S231213PPCCR3XX01	CCR 3	13-Dec-23	EPA 200.8 TOTAL	Arsenic	0.418	ug/L	I	0.250	2.50	1.25	21-Dec-23	AB
S231213PPCCR3XX01	CCR 3	13-Dec-23	EPA 200.8 TOTAL	Lead	0.18 U	ug/L		0.18	0.63	1.25	21-Dec-23	AB
S231213PPCCR3XX01	CCR 3	13-Dec-23	EPA 200.8 TOTAL	Selenium	1.2 U	ug/L		1.2	2.5	1.25	21-Dec-23	AB
S231213PPCCR3XX01	CCR 3	13-Dec-23	EPA 245.1	Mercury	0.00600 U	ug/L		0.00600	0.200	1	28-Dec-23	KC
S231213PPCCR3XX01	CCR 3	13-Dec-23	EPA 300.0	Chloride	17.5	mg/L		5.0	10.0	2	03-Jan-24	Pace
S231213PPCCR3XX01	CCR 3	13-Dec-23	EPA 300.0	Fluoride	0.029 U	mg/L	U,D3	0.029	0.10	2	03-Jan-24	Pace
S231213PPCCR3XX01	CCR 3	13-Dec-23	EPA 300.0	Sulfate	954	mg/L		50.0	100	20	06-Jan-24	Pace
S231213PPCCR3XX01	CCR 3	13-Dec-23	EPA 903.1	Radium-226	0.991U	pCi/L	U	0.991	0.991	1	04-Jan-24	Pace
S231213PPCCR3XX01	CCR 3	13-Dec-23	EPA 904.0	Radium-228	0.712U	pCi/L	U	0.712	0.712	1	04-Jan-24	Pace
S231213PPCCR3XX01	CCR 3	13-Dec-23	Field	DO (Field) Concentration	0.54	mg/L				1	13-Dec-23	Field
S231213PPCCR3XX01	CCR 3	13-Dec-23	Field	Field Turb	5.3	NTU				1	13-Dec-23	Field
S231213PPCCR3XX01	CCR 3	13-Dec-23	Field	Redox Potential (Field)	-14	mV				1	13-Dec-23	Field
S231213PPCCR3XX01	CCR 3	13-Dec-23	Field	Specific Conductance (Field)	1650	umhos/cm				1	13-Dec-23	Field
S231213PPCCR3XX01	CCR 3	13-Dec-23	Field	Temp (Field)	21.4	Deg.C				1	13-Dec-23	Field
S231213PPCCR3XX01	CCR 3	13-Dec-23	Field	pH (Field)	4.37	S.U.				1	13-Dec-23	Field
S231213PPCCR3XX01	CCR 3	13-Dec-23	SM2540 C-2011	Residue, Filterable (TDS)	1350	mg/L		3	5	1	18-Dec-23	AH
S231213PPCCR3XX01	CCR 3	13-Dec-23	Total Radium Calcula	Total Radium	1.31	pCi/L		1.70	1.70	1	05-Jan-24	Pace
S231213PPCCR4XX01	CCR 4	13-Dec-23	EPA 200.7	Lithium	122 U	ug/L	U	122	500	1	23-Jan-24	Pace
S231213PPCCR4XX01	CCR 4	13-Dec-23	EPA 200.7 TOTAL	Barium	72.5	ug/L		0.161	20.0	1	19-Dec-23	AC
S231213PPCCR4XX01	CCR 4	13-Dec-23	EPA 200.7 TOTAL	Beryllium	0.334	ug/L	I	0.129	2.00	1	19-Dec-23	AC
S231213PPCCR4XX01	CCR 4	13-Dec-23	EPA 200.7 TOTAL	Boron	7966.6	ug/L		7.68	100	5	08-Jan-24	AC
S231213PPCCR4XX01	CCR 4	13-Dec-23	EPA 200.7 TOTAL	Calcium	359930	ug/L		62.4	200	5	08-Jan-24	AC
S231213PPCCR4XX01	CCR 4	13-Dec-23	EPA 200.7 TOTAL	Chromium	1.83	ug/L	I	0.766	16.0	1	19-Dec-23	AC
S231213PPCCR4XX01	CCR 4	13-Dec-23	EPA 200.7 TOTAL	Cobalt	1.49 U	ug/L		1.49	20.0	1	19-Dec-23	AC
S231213PPCCR4XX01	CCR 4	13-Dec-23	EPA 200.7 TOTAL	Molybdenum	6.37	ug/L	I	2.79	16.0	1	19-Dec-23	AC
S231213PPCCR4XX01	CCR 4	13-Dec-23	EPA 200.8 TOTAL	Arsenic	1.90	ug/L	I	0.250	2.50	1.25	21-Dec-23	AB
S231213PPCCR4XX01	CCR 4	13-Dec-23	EPA 200.8 TOTAL	Lead	0.65	ug/L		0.18	0.63	1.25	21-Dec-23	AB
S231213PPCCR4XX01	CCR 4	13-Dec-23	EPA 200.8 TOTAL	Selenium	2.9	ug/L		1.2	2.5	1.25	21-Dec-23	AB
S231213PPCCR4XX01	CCR 4	13-Dec-23	EPA 245.1	Mercury	0.0690	ug/L	I	0.00600	0.200	1	28-Dec-23	KC
S231213PPCCR4XX01	CCR 4	13-Dec-23	EPA 300.0	Chloride	36.4	mg/L		12.5	25.0	5	06-Jan-24	Pace
S231213PPCCR4XX01	CCR 4	13-Dec-23	EPA 300.0	Fluoride	0.073 U	mg/L	U,D3	0.073	0.25	5	06-Jan-24	Pace
S231213PPCCR4XX01	CCR 4	13-Dec-23	EPA 300.0	Sulfate	954	mg/L		50.0	100	20	03-Jan-24	Pace
S231213PPCCR4XX01	CCR 4	13-Dec-23	EPA 903.1	Radium-226	0.648	pCi/L		0.477	0.477	1	04-Jan-24	Pace
S231213PPCCR4XX01	CCR 4	13-Dec-23	EPA 904.0	Radium-228	0.670	pCi/L		0.641	0.641	1	04-Jan-24	Pace
S231213PPCCR4XX01	CCR 4	13-Dec-23	Field	DO (Field) Concentration	1.12	mg/L				1	13-Dec-23	Field
S231213PPCCR4XX01	CCR 4	13-Dec-23	Field	Field Turb	9.8	NTU				1	13-Dec-23	Field
S231213PPCCR4XX01	CCR 4	13-Dec-23	Field	Redox Potential (Field)	-217	mV				1	13-Dec-23	Field
S231213PPCCR4XX01	CCR 4	13-Dec-23	Field	Specific Conductance (Field)	1836	umhos/cm				1	13-Dec-23	Field
S231213PPCCR4XX01	CCR 4	13-Dec-23	Field	Temp (Field)	22.8	Deg.C				1	13-Dec-23	Field
S231213PPCCR4XX01	CCR 4	13-Dec-23	Field	pH (Field)	5.53	S.U.				1	13-Dec-23	Field
S231213PPCCR4XX01	CCR 4	13-Dec-23	SM2540 C-2011	Residue, Filterable (TDS)	1560	mg/L		3	5	1	18-Dec-23	AH
S231213PPCCR4XX01	CCR 4	13-Dec-23	Total Radium Calcula	Total Radium	1.32	pCi/L		1.12	1.12	1	05-Jan-24	Pace
S231213PPCCR5XX01	CCR 5	13-Dec-23	EPA 200.7	Lithium	122 U	ug/L	U	122	500	1	23-Jan-24	Pace
S231213PPCCR5XX01	CCR 5	13-Dec-23	EPA 200.7 TOTAL	Barium	69.1	ug/L		0.161	20.0	1	19-Dec-23	AC
S231213PPCCR5XX01	CCR 5	13-Dec-23	EPA 200.7 TOTAL	Beryllium	0.297	ug/L	I	0.129	2.00	1	19-Dec-23	AC
S231213PPCCR5XX01	CCR 5	13-Dec-23	EPA 200.7 TOTAL	Boron	7768.0	ug/L		7.68	100	5	08-Jan-24	AC

December 2023 Laboratory Analytical Results

LAB SAMPLE ID	CUST SAMPLE ID	COLLECT DATE	METHOD	CMP DESC	RESULT	UNITS	QUALIFIERS	MDL	PQL	DIL FACT	ANAL DATE TIME	ANALYST
S231213PPCCR5XX01	CCR 5	13-Dec-23	EPA 200.7 TOTAL	Calcium	349560	ug/L		62.4	200	5	08-Jan-24	AC
S231213PPCCR5XX01	CCR 5	13-Dec-23	EPA 200.7 TOTAL	Chromium	3.08	ug/L	I	0.766	16.0	1	19-Dec-23	AC
S231213PPCCR5XX01	CCR 5	13-Dec-23	EPA 200.7 TOTAL	Cobalt	1.49 U	ug/L		1.49	20.0	1	19-Dec-23	AC
S231213PPCCR5XX01	CCR 5	13-Dec-23	EPA 200.7 TOTAL	Molybdenum	2.79 U	ug/L		2.79	16.0	1	19-Dec-23	AC
S231213PPCCR5XX01	CCR 5	13-Dec-23	EPA 200.8 TOTAL	Arsenic	2.36	ug/L	I	0.250	2.50	1.25	21-Dec-23	AB
S231213PPCCR5XX01	CCR 5	13-Dec-23	EPA 200.8 TOTAL	Lead	0.53	ug/L	I	0.18	0.63	1.25	21-Dec-23	AB
S231213PPCCR5XX01	CCR 5	13-Dec-23	EPA 200.8 TOTAL	Selenium	2.2	ug/L	I	1.2	2.5	1.25	21-Dec-23	AB
S231213PPCCR5XX01	CCR 5	13-Dec-23	EPA 245.1	Mercury	0.0580	ug/L	I	0.00600	0.200	1	28-Dec-23	KC
S231213PPCCR5XX01	CCR 5	13-Dec-23	EPA 300.0	Chloride	36.6	mg/L		5.0	10.0	2	03-Jan-24	Pace
S231213PPCCR5XX01	CCR 5	13-Dec-23	EPA 300.0	Fluoride	0.046	mg/L	I,D3	0.029	0.10	2	03-Jan-24	Pace
S231213PPCCR5XX01	CCR 5	13-Dec-23	EPA 300.0	Sulfate	1040	mg/L		50.0	100	20	03-Jan-24	Pace
S231213PPCCR5XX01	CCR 5	13-Dec-23	EPA 903.1	Radium-226	1.36	pCi/L		0.908	0.908	1	04-Jan-24	Pace
S231213PPCCR5XX01	CCR 5	13-Dec-23	EPA 904.0	Radium-228	0.888	pCi/L		0.667	0.667	1	04-Jan-24	Pace
S231213PPCCR5XX01	CCR 5	13-Dec-23	Field	DO (Field) Concentration	3.87	mg/L				1	13-Dec-23	Field
S231213PPCCR5XX01	CCR 5	13-Dec-23	Field	Field Turb	49	NTU				1	13-Dec-23	Field
S231213PPCCR5XX01	CCR 5	13-Dec-23	Field	Redox Potential (Field)	-158	mV				1	13-Dec-23	Field
S231213PPCCR5XX01	CCR 5	13-Dec-23	Field	Specific Conductance (Field)	2040	umhos/cm				1	13-Dec-23	Field
S231213PPCCR5XX01	CCR 5	13-Dec-23	Field	Temp (Field)	22.5	Deg.C				1	13-Dec-23	Field
S231213PPCCR5XX01	CCR 5	13-Dec-23	Field	pH (Field)	5.97	S.U.				1	13-Dec-23	Field
S231213PPCCR5XX01	CCR 5	13-Dec-23	SM2540 C-2011	Residue, Filterable (TDS)	1800	mg/L		3	5	1	18-Dec-23	AH
S231213PPCCR5XX01	CCR 5	13-Dec-23	Total Radium Calcula	Total Radium	2.25	pCi/L		1.58	1.58	1	05-Jan-24	Pace
S231213PPCCR6XX01	CCR 6	13-Dec-23	EPA 200.7	Lithium	122 U	ug/L	U	122	500	1	23-Jan-24	Pace
S231213PPCCR6XX01	CCR 6	13-Dec-23	EPA 200.7 TOTAL	Barium	45.1	ug/L		0.161	20.0	1	19-Dec-23	AC
S231213PPCCR6XX01	CCR 6	13-Dec-23	EPA 200.7 TOTAL	Beryllium	0.129 U	ug/L		0.129	2.00	1	19-Dec-23	AC
S231213PPCCR6XX01	CCR 6	13-Dec-23	EPA 200.7 TOTAL	Boron	27222	ug/L		7.68	100	5	08-Jan-24	AC
S231213PPCCR6XX01	CCR 6	13-Dec-23	EPA 200.7 TOTAL	Calcium	402420	ug/L		62.4	200	5	08-Jan-24	AC
S231213PPCCR6XX01	CCR 6	13-Dec-23	EPA 200.7 TOTAL	Chromium	0.766 U	ug/L		0.766	16.0	1	19-Dec-23	AC
S231213PPCCR6XX01	CCR 6	13-Dec-23	EPA 200.7 TOTAL	Cobalt	1.49 U	ug/L		1.49	20.0	1	19-Dec-23	AC
S231213PPCCR6XX01	CCR 6	13-Dec-23	EPA 200.7 TOTAL	Molybdenum	10.1	ug/L	I	2.79	16.0	1	19-Dec-23	AC
S231213PPCCR6XX01	CCR 6	13-Dec-23	EPA 200.8 TOTAL	Arsenic	0.840	ug/L	I	0.250	2.50	1.25	21-Dec-23	AB
S231213PPCCR6XX01	CCR 6	13-Dec-23	EPA 200.8 TOTAL	Lead	0.18 U	ug/L		0.18	0.63	1.25	21-Dec-23	AB
S231213PPCCR6XX01	CCR 6	13-Dec-23	EPA 200.8 TOTAL	Selenium	13	ug/L	J2	1.2	2.5	1.25	21-Dec-23	AB
S231213PPCCR6XX01	CCR 6	13-Dec-23	EPA 245.1	Mercury	0.0240	ug/L	I	0.00600	0.200	1	28-Dec-23	KC
S231213PPCCR6XX01	CCR 6	13-Dec-23	EPA 300.0	Chloride	207	mg/L		12.5	25.0	5	06-Jan-24	Pace
S231213PPCCR6XX01	CCR 6	13-Dec-23	EPA 300.0	Fluoride	0.073 U	mg/L	U,D3	0.073	0.25	5	06-Jan-24	Pace
S231213PPCCR6XX01	CCR 6	13-Dec-23	EPA 300.0	Sulfate	1930	mg/L		125	250	50	06-Jan-24	Pace
S231213PPCCR6XX01	CCR 6	13-Dec-23	EPA 903.1	Radium-226	2.39	pCi/L		0.463	0.463	1	04-Jan-24	Pace
S231213PPCCR6XX01	CCR 6	13-Dec-23	EPA 904.0	Radium-228	2.71	pCi/L		0.630	0.630	1	04-Jan-24	Pace
S231213PPCCR6XX01	CCR 6	13-Dec-23	Field	DO (Field) Concentration	0.99	mg/L				1	13-Dec-23	Field
S231213PPCCR6XX01	CCR 6	13-Dec-23	Field	Field Turb	5.32	NTU				1	13-Dec-23	Field
S231213PPCCR6XX01	CCR 6	13-Dec-23	Field	Redox Potential (Field)	-261	mV				1	13-Dec-23	Field
S231213PPCCR6XX01	CCR 6	13-Dec-23	Field	Specific Conductance (Field)	4219	umhos/cm				1	13-Dec-23	Field
S231213PPCCR6XX01	CCR 6	13-Dec-23	Field	Temp (Field)	18.7	Deg.C				1	13-Dec-23	Field
S231213PPCCR6XX01	CCR 6	13-Dec-23	Field	pH (Field)	5.99	S.U.				1	13-Dec-23	Field
S231213PPCCR6XX01	CCR 6	13-Dec-23	SM2540 C-2011	Residue, Filterable (TDS)	3260	mg/L		3	5	1	18-Dec-23	AH
S231213PPCCR6XX01	CCR 6	13-Dec-23	Total Radium Calcula	Total Radium	5.10	pCi/L		1.09	1.09	1	05-Jan-24	Pace
S231213PPCCR7XX01	CCR 7	13-Dec-23	EPA 200.7	Lithium	122 U	ug/L	U	122	500	1	23-Jan-24	Pace
S231213PPCCR7XX01	CCR 7	13-Dec-23	EPA 200.7 TOTAL	Barium	22.7	ug/L		0.161	20.0	1	19-Dec-23	AC
S231213PPCCR7XX01	CCR 7	13-Dec-23	EPA 200.7 TOTAL	Beryllium	0.129 U	ug/L		0.129	2.00	1	19-Dec-23	AC
S231213PPCCR7XX01	CCR 7	13-Dec-23	EPA 200.7 TOTAL	Boron	8723.3	ug/L		7.68	100	5	08-Jan-24	AC
S231213PPCCR7XX01	CCR 7	13-Dec-23	EPA 200.7 TOTAL	Calcium	142430	ug/L		12.5	40.0	1	19-Dec-23	AC
S231213PPCCR7XX01	CCR 7	13-Dec-23	EPA 200.7 TOTAL	Chromium	1.51	ug/L	I	0.766	16.0	1	19-Dec-23	AC
S231213PPCCR7XX01	CCR 7	13-Dec-23	EPA 200.7 TOTAL	Cobalt	1.49 U	ug/L		1.49	20.0	1	19-Dec-23	AC
S231213PPCCR7XX01	CCR 7	13-Dec-23	EPA 200.7 TOTAL	Molybdenum	11.9	ug/L	I	2.79	16.0	1	19-Dec-23	AC
S231213PPCCR7XX01	CCR 7	13-Dec-23	EPA 200.8 TOTAL	Arsenic	0.510	ug/L	I	0.250	2.50	1.25	21-Dec-23	AB
S231213PPCCR7XX01	CCR 7	13-Dec-23	EPA 200.8 TOTAL	Lead	0.18 U	ug/L		0.18	0.63	1.25	21-Dec-23	AB
S231213PPCCR7XX01	CCR 7	13-Dec-23	EPA 200.8 TOTAL	Selenium	2.0	ug/L	I	1.2	2.5	1.25	21-Dec-23	AB
S231213PPCCR7XX01	CCR 7	13-Dec-23	EPA 245.1	Mercury	0.00600 U	ug/L		0.00600	0.200	1	28-Dec-23	KC
S231213PPCCR7XX01	CCR 7	13-Dec-23	EPA 300.0	Chloride	96.2	mg/L		12.5	25.0	5	06-Jan-24	Pace
S231213PPCCR7XX01	CCR 7	13-Dec-23	EPA 300.0	Fluoride	0.017	mg/L	I	0.015	0.050	1	06-Jan-24	Pace
S231213PPCCR7XX01	CCR 7	13-Dec-23	EPA 300.0	Sulfate	448	mg/L		12.5	25.0	5	06-Jan-24	Pace
S231213PPCCR7XX01	CCR 7	13-Dec-23	EPA 903.1	Radium-226	0.981	pCi/L		0.701	0.701	1	04-Jan-24	Pace
S231213PPCCR7XX01	CCR 7	13-Dec-23	EPA 904.0	Radium-228	1.24	pCi/L		0.645	0.645	1	04-Jan-24	Pace
S231213PPCCR7XX01	CCR 7	13-Dec-23	Field	DO (Field) Concentration	0.53	mg/L				1	13-Dec-23	Field
S231213PPCCR7XX01	CCR 7	13-Dec-23	Field	Field Turb	14.3	NTU				1	13-Dec-23	Field
S231213PPCCR7XX01	CCR 7	13-Dec-23	Field	Redox Potential (Field)	-250	mV				1	13-Dec-23	Field
S231213PPCCR7XX01	CCR 7	13-Dec-23	Field	Specific Conductance (Field)	1181	umhos/cm				1	13-Dec-23	Field
S231213PPCCR7XX01	CCR 7	13-Dec-23	Field	Temp (Field)	21.0	Deg.C				1	13-Dec-23	Field
S231213PPCCR7XX01	CCR 7	13-Dec-23	Field	pH (Field)	6.27	S.U.				1	13-Dec-23	Field
S231213PPCCR7XX01	CCR 7	13-Dec-23	SM2540 C-2011	Residue, Filterable (TDS)	975	mg/L		3	5	1	19-Dec-23	GP
S231213PPCCR7XX01	CCR 7	13-Dec-23	Total Radium Calcula	Total Radium	2.22	pCi/L		1.35	1.35	1	05-Jan-24	Pace
S231213PPCCRFBFB01	CCR Field Blank	13-Dec-23	EPA 200.7	Lithium	122 U	ug/L	U	122	500	1	23-Jan-24	Pace
S231213PPCCRFBFB01	CCR Field Blank	13-Dec-23	EPA 200.7 TOTAL	Barium	0.161 U	ug/L		0.161	20.0	1	19-Dec-23	AC
S231213PPCCRFBFB01	CCR Field Blank	13-Dec-23	EPA 200.7 TOTAL	Beryllium	0.129 U	ug/L		0.129	2.00	1	19-Dec-23	AC
S231213PPCCRFBFB01	CCR Field Blank	13-Dec-23	EPA 200.7 TOTAL	Boron	3.61	ug/L	I	1.54	20.0	1	19-Dec-23	AC
S231213PPCCRFBFB01	CCR Field Blank	13-Dec-23	EPA 200.7 TOTAL	Calcium	12.5 U	ug/L		12.5	40.0	1	19-Dec-23	AC
S231213PPCCRFBFB01	CCR Field Blank	13-Dec-23	EPA 200.7 TOTAL	Chromium	0.766 U	ug/L		0.766	16.0	1	19-Dec-23	AC
S231213PPCCRFBFB01	CCR Field Blank	13-Dec-23	EPA 200.7 TOTAL	Cobalt	1.49 U	ug/L		1.49	20.0	1	19-Dec-23	AC
S231213PPCCRFBFB01	CCR Field Blank	13-Dec-23	EPA 200.7 TOTAL	Molybdenum	0.619	ug/L				1	19-Dec-23	AC
S231213PPCCRFBFB01	CCR Field Blank	13-Dec-23	EPA 200.8 TOTAL	Arsenic	0.250 U	ug/L		0.250	2.50	1.25	21-Dec-23	AB
S231213PPCCRFBFB01	CCR Field Blank	13-Dec-23	EPA 200.8 TOTAL	Lead	0.18 U	ug/L		0.18	0.63	1.25	21-Dec-23	AB
S231213PPCCRFBFB01	CCR Field Blank	13-Dec-23	EPA 200.8 TOTAL	Selenium	1.2 U	ug/L		1.2	2.5	1.25	21-Dec-23	AB
S231213PPCCRFBFB01	CCR Field Blank	13-Dec-23	EPA 245.1	Mercury	0.00600 U	ug/L		0.00600	0.200	1	28-Dec-23	KC
S231213PPCCRFBFB01	CCR Field Blank	13-Dec-23	EPA 300.0	Chloride	2.5 U	mg/L	U	2.5	5.0	1	03-Jan-24	Pace
S231213PPCCRFBFB01	CCR Field Blank	13-Dec-23	EPA 300.0	Fluoride	0.015 U	mg/L	U	0.015	0.050	1	03-Jan-24	Pace
S231213PPCCRFBFB01	CCR Field Blank	13-Dec-23	EPA 300.0	Sulfate	2.5 U	mg/L	U	2.5	5.0	1	03-Jan-24	Pace
S231213PPCCRFBFB01	CCR Field Blank	13-Dec-23	EPA 903.1	Radium-226	0.193U	pCi/L	U	0.193	0.193	1	04-Jan-24	Pace
S231213PPCCRFBFB01	CCR Field Blank	13-Dec-23	EPA 904.0	Radium-228	0.647U	pCi/L	U	0.647	0.647	1	04-Jan-24	Pace
S231213PPCCRFBFB01	CCR Field Blank	13-Dec-23	Total Radium Calcula	Total Radium	0.789	pCi/L		0.840	0.840	1	05-Jan-24	Pace
S231212PPAW6XX01	AW-6	12-Dec-23	EPA 200.7	Lithium	122 U	ug/L	U	122	500	1	23-Jan-24	Pace
S231212PPAW6XX01	AW-6	12-Dec-23	EPA 200.7 TOTAL	Barium	33.3	ug/L		0.161	20.0	1	19-Dec-23	AC
S231212PPAW6XX01	AW-6	12-Dec-23	EPA 200.7 TOTAL	Beryllium	0.391	ug/L	I	0.129	2.00	1	19-Dec-23	AC
S231212PPAW6XX01	AW-6	12-Dec-23	EPA 200.7 TOTAL	Boron	5193.5	ug/L		7.68	100	5	08-Jan-24	AC
S231212PPAW6XX01	AW-6	12-Dec-23	EPA 200.7 TOTAL	Calcium	254850	ug/L		62.4	200	5	08-Jan-24	AC
S231212PPAW6XX01	AW-6	12-Dec-23	EPA 200.7 TOTAL	Chromium	0.766 U	ug/L		0.766	16.0	1	19-Dec-23	AC
S231212PPAW6XX01	AW-6	12-Dec-23	EPA 200.7 TOTAL	Cobalt	1.49 U	ug/L		1.49	20.0	1	19-Dec-23	AC
S231212PPAW6XX01	AW-6	12-Dec-23	EPA 200.7 TOTAL	Molybdenum	2.79 U	ug/L		2.79	16.0	1	19-Dec-23	AC
S231212PPAW6XX01	AW-6	12-Dec-23	EPA 200.8 TOTAL	Arsenic	0.852	ug/L	I	0.250	2.50	1.25	21-Dec-23	AB
S231212PPAW6XX01	AW-6	12-Dec-23	EPA 200.8 TOTAL	Lead	0.18 U	ug/L		0.18	0.63	1.25	21-Dec-23	AB
S231212PPAW6XX01	AW-6	12-Dec-23	EPA 200.8 TOTAL	Selenium	1.2	ug/L	I	1.2	2.5	1.25	21-Dec-23	AB
S231212PPAW6XX01	AW-6	12-Dec-23	EPA 245.1	Mercury	0.00600 U	ug/L		0.00600	0.200	1	28-Dec-23	KC
S231212PPAW6XX01	AW-6	12-Dec-23	EPA 300.0	Chloride	42.5	mg/L		5.0	10.0	2	06-Jan-24	Pace
S231212PPAW6XX01	AW-6	12-Dec-23	EPA 300.0	Fluoride	0.029 U	mg/L	U,D3	0.029	0.10	2	06-Jan-24	Pace
S231212PPAW6XX01	AW-6	12-Dec-23	EPA 300.0	Sulfate	877	mg/L		25.0	50.0	10	06-Jan-24	Pace

December 2023 Laboratory Analytical Results

LAB SAMPLE ID	CUST SAMPLE ID	COLLECT DATE	METHOD	CMP DESC	RESULT	UNITS	QUALIFIERS	MDL	PQL	DIL FACT	ANAL DATE TIME	ANALYST
S231212PPAW6XX01	AW-6	12-Dec-23	EPA 903.1	Radium-226	0.956	pCi/L		0.937	0.937	1	04-Jan-24	Pace
S231212PPAW6XX01	AW-6	12-Dec-23	EPA 904.0	Radium-228	0.569U	pCi/L	U	0.569	0.569	1	04-Jan-24	Pace
S231212PPAW6XX01	AW-6	12-Dec-23	Field	DO (Field) Concentration	0.83	mg/L				1	13-Dec-23	Field
S231212PPAW6XX01	AW-6	12-Dec-23	Field	Field Turb	5.63	NTU				1	13-Dec-23	Field
S231212PPAW6XX01	AW-6	12-Dec-23	Field	Redox Potential (Field)	-119	mV				1	13-Dec-23	Field
S231212PPAW6XX01	AW-6	12-Dec-23	Field	Specific Conductance (Field)	1611	umhos/cm				1	13-Dec-23	Field
S231212PPAW6XX01	AW-6	12-Dec-23	Field	Temp (Field)	23.3	Deg.C				1	13-Dec-23	Field
S231212PPAW6XX01	AW-6	12-Dec-23	Field	pH (Field)	4.24	S.U.				1	13-Dec-23	Field
S231212PPAW6XX01	AW-6	12-Dec-23	SM2540 C-2011	Residue, Filterable (TDS)	1270	mg/L		3	5	1	18-Dec-23	AH
S231212PPAW6XX01	AW-6	12-Dec-23	Total Radium Calcula	Total Radium	1.53	pCi/L		1.51	1.51	1	05-Jan-24	Pace
S231213PPAW7XX01	AW-7	13-Dec-23	EPA 200.7	Lithium	122 U	ug/L	U	122	500	1	23-Jan-24	Pace
S231213PPAW7XX01	AW-7	13-Dec-23	EPA 200.7 TOTAL	Barium	28.5	ug/L		0.161	20.0	1	19-Dec-23	AC
S231213PPAW7XX01	AW-7	13-Dec-23	EPA 200.7 TOTAL	Beryllium	0.129 U	ug/L		0.129	2.00	1	19-Dec-23	AC
S231213PPAW7XX01	AW-7	13-Dec-23	EPA 200.7 TOTAL	Boron	7482.0	ug/L		7.68	100	5	08-Jan-24	AC
S231213PPAW7XX01	AW-7	13-Dec-23	EPA 200.7 TOTAL	Calcium	205300	ug/L		62.4	200	5	08-Jan-24	AC
S231213PPAW7XX01	AW-7	13-Dec-23	EPA 200.7 TOTAL	Chromium	0.766 U	ug/L		0.766	16.0	1	19-Dec-23	AC
S231213PPAW7XX01	AW-7	13-Dec-23	EPA 200.7 TOTAL	Cobalt	1.49 U	ug/L		1.49	20.0	1	19-Dec-23	AC
S231213PPAW7XX01	AW-7	13-Dec-23	EPA 200.7 TOTAL	Molybdenum	7.78	ug/L	I	2.79	16.0	1	19-Dec-23	AC
S231213PPAW7XX01	AW-7	13-Dec-23	EPA 200.8 TOTAL	Arsenic	6.24	ug/L		0.250	2.50	1.25	21-Dec-23	AB
S231213PPAW7XX01	AW-7	13-Dec-23	EPA 200.8 TOTAL	Lead	0.18 U	ug/L		0.18	0.63	1.25	21-Dec-23	AB
S231213PPAW7XX01	AW-7	13-Dec-23	EPA 200.8 TOTAL	Selenium	1.2 U	ug/L		1.2	2.5	1.25	21-Dec-23	AB
S231213PPAW7XX01	AW-7	13-Dec-23	EPA 245.1	Mercury	0.00600 U	ug/L		0.00600	0.200	1	28-Dec-23	KC
S231213PPAW7XX01	AW-7	13-Dec-23	EPA 300.0	Chloride	32.7	mg/L		2.5	5.0	1	06-Jan-24	Pace
S231213PPAW7XX01	AW-7	13-Dec-23	EPA 300.0	Fluoride	0.065	mg/L		0.015	0.050	1	06-Jan-24	Pace
S231213PPAW7XX01	AW-7	13-Dec-23	EPA 300.0	Sulfate	259	mg/L		12.5	25.0	5	08-Jan-24	Pace
S231213PPAW7XX01	AW-7	13-Dec-23	EPA 903.1	Radium-226	1.67	pCi/L		0.989	0.989	1	04-Jan-24	Pace
S231213PPAW7XX01	AW-7	13-Dec-23	EPA 904.0	Radium-228	0.860	pCi/L		0.727	0.727	1	04-Jan-24	Pace
S231213PPAW7XX01	AW-7	13-Dec-23	Field	DO (Field) Concentration	0.72	mg/L				1	13-Dec-23	Field
S231213PPAW7XX01	AW-7	13-Dec-23	Field	Field Turb	7.9	NTU				1	13-Dec-23	Field
S231213PPAW7XX01	AW-7	13-Dec-23	Field	Redox Potential (Field)	-294	mV				1	13-Dec-23	Field
S231213PPAW7XX01	AW-7	13-Dec-23	Field	Specific Conductance (Field)	1446	umhos/cm				1	13-Dec-23	Field
S231213PPAW7XX01	AW-7	13-Dec-23	Field	Temp (Field)	24.0	Deg.C				1	13-Dec-23	Field
S231213PPAW7XX01	AW-7	13-Dec-23	Field	pH (Field)	6.37	S.U.				1	13-Dec-23	Field
S231213PPAW7XX01	AW-7	13-Dec-23	SM2540 C-2011	Residue, Filterable (TDS)	1020	mg/L		3	5	1	18-Dec-23	AH
S231213PPAW7XX01	AW-7	13-Dec-23	Total Radium Calcula	Total Radium	2.53	pCi/L		1.72	1.72	1	05-Jan-24	Pace
S231212PPAW9XX01	AW-9	12-Dec-23	EPA 200.7	Lithium	122 U	ug/L	U	122	500	1	23-Jan-24	Pace
S231212PPAW9XX01	AW-9	12-Dec-23	EPA 200.7 TOTAL	Barium	46.1	ug/L		0.161	20.0	1	19-Dec-23	AC
S231212PPAW9XX01	AW-9	12-Dec-23	EPA 200.7 TOTAL	Beryllium	0.655	ug/L				1	19-Dec-23	AC
S231212PPAW9XX01	AW-9	12-Dec-23	EPA 200.7 TOTAL	Boron	280.97	ug/L				1	19-Dec-23	AC
S231212PPAW9XX01	AW-9	12-Dec-23	EPA 200.7 TOTAL	Calcium	78241	ug/L		12.5	40.0	1	19-Dec-23	AC
S231212PPAW9XX01	AW-9	12-Dec-23	EPA 200.7 TOTAL	Chromium	1.10	ug/L				1	19-Dec-23	AC
S231212PPAW9XX01	AW-9	12-Dec-23	EPA 200.7 TOTAL	Cobalt	1.49 U	ug/L		1.49	20.0	1	19-Dec-23	AC
S231212PPAW9XX01	AW-9	12-Dec-23	EPA 200.7 TOTAL	Molybdenum	2.79 U	ug/L		2.79	16.0	1	19-Dec-23	AC
S231212PPAW9XX01	AW-9	12-Dec-23	EPA 200.8 TOTAL	Arsenic	0.667	ug/L	I	0.250	2.50	1.25	21-Dec-23	AB
S231212PPAW9XX01	AW-9	12-Dec-23	EPA 200.8 TOTAL	Lead	0.18 U	ug/L		0.18	0.63	1.25	21-Dec-23	AB
S231212PPAW9XX01	AW-9	12-Dec-23	EPA 200.8 TOTAL	Selenium	1.2 U	ug/L		1.2	2.5	1.25	21-Dec-23	AB
S231212PPAW9XX01	AW-9	12-Dec-23	EPA 245.1	Mercury	0.00600 U	ug/L		0.00600	0.200	1	28-Dec-23	KC
S231212PPAW9XX01	AW-9	12-Dec-23	EPA 300.0	Chloride	46.2	mg/L		12.5	25.0	5	06-Jan-24	Pace
S231212PPAW9XX01	AW-9	12-Dec-23	EPA 300.0	Fluoride	0.029 U	mg/L	U,D3	0.029	0.10	2	08-Jan-24	Pace
S231212PPAW9XX01	AW-9	12-Dec-23	EPA 300.0	Sulfate	587	mg/L		25.0	50.0	10	06-Jan-24	Pace
S231212PPAW9XX01	AW-9	12-Dec-23	EPA 903.1	Radium-226	2.62	pCi/L		0.983	0.983	1	04-Jan-24	Pace
S231212PPAW9XX01	AW-9	12-Dec-23	EPA 904.0	Radium-228	1.18	pCi/L		0.752	0.752	1	04-Jan-24	Pace
S231212PPAW9XX01	AW-9	12-Dec-23	Field	DO (Field) Concentration	22.3	mg/L				1	12-Dec-23	Field
S231212PPAW9XX01	AW-9	12-Dec-23	Field	Field Turb	2.61	NTU				1	12-Dec-23	Field
S231212PPAW9XX01	AW-9	12-Dec-23	Field	Redox Potential (Field)	120	mV				1	12-Dec-23	Field
S231212PPAW9XX01	AW-9	12-Dec-23	Field	Specific Conductance (Field)	678	umhos/cm				1	12-Dec-23	Field
S231212PPAW9XX01	AW-9	12-Dec-23	Field	Temp (Field)	20.2	Deg.C				1	12-Dec-23	Field
S231212PPAW9XX01	AW-9	12-Dec-23	Field	pH (Field)	4.16	S.U.				1	12-Dec-23	Field
S231212PPAW9XX01	AW-9	12-Dec-23	SM2540 C-2011	Residue, Filterable (TDS)	430	mg/L		3	5	1	18-Dec-23	AH
S231212PPAW9XX01	AW-9	12-Dec-23	Total Radium Calcula	Total Radium	3.80	pCi/L		1.74	1.74	1	05-Jan-24	Pace
S231213PPAW10XX01	AW-10	13-Dec-23	EPA 200.7	Lithium	122 U	ug/L	U	122	500	1	23-Jan-24	Pace
S231213PPAW10XX01	AW-10	13-Dec-23	EPA 200.7 TOTAL	Barium	26.3	ug/L		0.161	20.0	1	19-Dec-23	AC
S231213PPAW10XX01	AW-10	13-Dec-23	EPA 200.7 TOTAL	Beryllium	1.38	ug/L	I	0.129	2.00	1	19-Dec-23	AC
S231213PPAW10XX01	AW-10	13-Dec-23	EPA 200.7 TOTAL	Boron	6674.2	ug/L		7.68	100	5	08-Jan-24	AC
S231213PPAW10XX01	AW-10	13-Dec-23	EPA 200.7 TOTAL	Calcium	233120	ug/L		62.4	200	5	08-Jan-24	AC
S231213PPAW10XX01	AW-10	13-Dec-23	EPA 200.7 TOTAL	Chromium	0.766 U	ug/L		0.766	16.0	1	19-Dec-23	AC
S231213PPAW10XX01	AW-10	13-Dec-23	EPA 200.7 TOTAL	Cobalt	1.49 U	ug/L		1.49	20.0	1	19-Dec-23	AC
S231213PPAW10XX01	AW-10	13-Dec-23	EPA 200.7 TOTAL	Molybdenum	2.79 U	ug/L		2.79	16.0	1	19-Dec-23	AC
S231213PPAW10XX01	AW-10	13-Dec-23	EPA 200.8 TOTAL	Arsenic	1.71	ug/L	I	0.250	2.50	1.25	21-Dec-23	AB
S231213PPAW10XX01	AW-10	13-Dec-23	EPA 200.8 TOTAL	Lead	0.18 U	ug/L		0.18	0.63	1.25	21-Dec-23	AB
S231213PPAW10XX01	AW-10	13-Dec-23	EPA 200.8 TOTAL	Selenium	1.5	ug/L	I	1.2	2.5	1.25	21-Dec-23	AB
S231213PPAW10XX01	AW-10	13-Dec-23	EPA 245.1	Mercury	0.00600 U	ug/L		0.00600	0.200	1	28-Dec-23	KC
S231213PPAW10XX01	AW-10	13-Dec-23	EPA 300.0	Chloride	44.6	mg/L		5.0	10.0	2	06-Jan-24	Pace
S231213PPAW10XX01	AW-10	13-Dec-23	EPA 300.0	Fluoride	0.082	mg/L	I,D3	0.029	0.10	2	06-Jan-24	Pace
S231213PPAW10XX01	AW-10	13-Dec-23	EPA 300.0	Sulfate	809	mg/L		25.0	50.0	10	06-Jan-24	Pace
S231213PPAW10XX01	AW-10	13-Dec-23	EPA 903.1	Radium-226	4.23	pCi/L		0.846	0.846	1	04-Jan-24	Pace
S231213PPAW10XX01	AW-10	13-Dec-23	EPA 904.0	Radium-228	1.12	pCi/L		0.629	0.629	1	04-Jan-24	Pace
S231213PPAW10XX01	AW-10	13-Dec-23	Field	DO (Field) Concentration	0.80	mg/L				1	13-Dec-23	Field
S231213PPAW10XX01	AW-10	13-Dec-23	Field	Field Turb	9.6	NTU				1	13-Dec-23	Field
S231213PPAW10XX01	AW-10	13-Dec-23	Field	Redox Potential (Field)	-179	mV				1	13-Dec-23	Field
S231213PPAW10XX01	AW-10	13-Dec-23	Field	Specific Conductance (Field)	1568	umhos/cm				1	13-Dec-23	Field
S231213PPAW10XX01	AW-10	13-Dec-23	Field	Temp (Field)	21.5	Deg.C				1	13-Dec-23	Field
S231213PPAW10XX01	AW-10	13-Dec-23	Field	pH (Field)	4.30	S.U.				1	13-Dec-23	Field
S231213PPAW10XX01	AW-10	13-Dec-23	SM2540 C-2011	Residue, Filterable (TDS)	1210	mg/L		3	5	1	18-Dec-23	AH
S231213PPAW10XX01	AW-10	13-Dec-23	Total Radium Calcula	Total Radium	5.35	pCi/L		1.48	1.48	1	05-Jan-24	Pace