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2025 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

BYPRODUCT STORAGE AREA, C.D. MCINTOSH POWER PLANT

Prepared for

Lakeland Electric
501 East Lemon Street
Lakeland, Florida 33801

Prepared by

Geosyntec Consultants, Inc.
12802 Tampa Oaks Blvd
Suite 151
Tampa, Florida 33637

Project FR3715K

January 26, 2026

Geosyntec consultants

2025 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

Byproduct Storage Area, C.D. McIntosh Power Plant

This 2025 Annual Groundwater Monitoring and Corrective Action Report for the Byproduct Storage Area at C.D. McIntosh Power Plant has been prepared to meet the requirements of 40 Code of Federal Regulations §257.90(e)

Prepared for

Lakeland Electric
501 East Lemon Street
Lakeland, Florida 33801

Prepared by

Geosyntec Consultants, Inc.
12802 Tampa Oaks Blvd,
Suite 151
Tampa, Florida 33637

Luke Varner, P.G. (FL)
Senior Geologist

Lane Dorman, P.G. (FL)
Senior Principal Hydrogeologist

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EXECUTIVE SUMMARY

In accordance with the United States Environmental Protection Agency ("USEPA") coal combustion residuals ("CCR") rule (40 Code of Federal Regulations ("CFR") Part 257, Subpart D: Standards for the Disposal of Coal Combustion Residuals in Landfills and Surface Impoundments) ("CCR Rule"), this *2025 Annual Groundwater Monitoring and Corrective Action Report* documents CCR unit groundwater monitoring and corrective action activities completed in 2025 at the Lakeland Electric ("LE") C.D. McIntosh Power Plant ("MPP") Byproduct Storage Area ("BSA").

LE established a CCR unit groundwater monitoring well network to monitor groundwater quality within the uppermost aquifer in the vicinity of the BSA. Monitoring wells currently in the CCR unit groundwater monitoring well network are listed below:

- background wells (2): CCR-1 and CCR-2;
- downgradient wells (9): CCR-4, CCR-5, CCR-6, CCR-7, CCR-8, CCR-9, CCR-11, CCR-12, and CCR-13.

Statistical evaluation of CCR unit groundwater monitoring data collected through October 2017 identified statistically significant increases ("SSIs") of the following CCR Rule Appendix III groundwater monitoring constituents above background concentrations: boron, calcium, fluoride, pH, sulfate, and total dissolved solids ("TDS"). In accordance with the CCR Rule, LE initiated an assessment monitoring program for the BSA in April 2018 and continued assessment monitoring activities through 2025. LE completed an alternate source demonstration ("ASD") for total radium in June 2019 documenting that total radium statistically significant levels ("SSLs") are not associated with a release from the BSA. As a result of the ASD, groundwater samples have not been analyzed for total radium thereafter.

LE initiated an assessment of corrective measures ("ACM") in January 2019 which was completed in June 2019. In 2020, LE continued to evaluate groundwater corrective measures to support remedy selection for groundwater downgradient of the BSA. LE conducted the public meeting required in 40 CFR §257.96(e) on February 3, 2021 and, following receipt of public input, LE finalized the remedy selection report for the BSA on March 31, 2021. The remedy selection report documented a remedy consisting of source control, including beneficial off-site use of CCR, and capping and closing the BSA in place following shutdown of Unit No. 3.

In September 2022, LE applied to the Florida Department of Environmental Protection ("FDEP") to close the BSA pursuant to Rule 62-701.805(11) and 62-701.805(8), Florida Administrative Code (F.A.C.). On August 18, 2023, FDEP issued Permit Number 0425997-001-CP-01 (Permit) to close the BSA.

During the closure design process, LE selected a final cover system for the BSA that differed from what was outlined in the BSA's Closure and Post Closure Care Plan (Closure Plan) and approved Permit. Therefore, LE revised the Closure Plan to include

the revised final cover system and submitted a Permit modification application to the FDEP. FDEP furnished a Notice of Intent to issue the modified permit No. 0425997-002-CP-IM on October 28, 2024. The public notice required by Rule 62-701.805, F.A.C. was published in a newspaper of general circulation on November 5, 2024.

In 2024, LE procured a qualified subcontractor to complete the BSA closure construction and closure was initiated. However, due to factors out of LE's control (multiple adverse weather events delaying construction) a closure timeframe extension was submitted to the FDEP since closure would not be complete within six months of initiation. LE completed the BSA's closure in January 2025 and published the June 2025 Notification of Closure Completion to their CCR compliance webpage.

Groundwater samples collected during the first 2025 semi-annual assessment monitoring event (conducted in February) and the second 2025 semi-annual monitoring event (conducted in July) were analyzed for CCR Rule Appendix III and Appendix IV constituents. Appendix IV analytical data from the first and second semi-annual 2025 sampling events were evaluated in accordance with the *Statistical Analysis Plan* (Golder, 2017b). The analyses indicated SSLs above applicable groundwater protection standards of the following Appendix IV constituents:

SSL Constituent	**Semi-annual assessment monitoring events**			
	1st Semi-annual 2025		**2nd Semi-annual 2025**	
Arsenic	CCR-11	CCR-12	CCR-11	CCR-12
Lithium	CCR-4 CCR-6	CCR-5	CCR-4 CCR-6	CCR-5

SSLs observed in 2025 were consistent with those observed in 2024 except that CCR-13 no longer has an SSL of lithium.

LE continued evaluating the nature and extent (N&E) of arsenic and lithium SSLs in groundwater downgradient of the BSA. Delineation activities completed in 2025 included sampling of N&E monitoring wells CCR-15 through CCR-23, property boundary well SW-106, and sampling surface water from Fish Lake and Lake D to evaluate the nature and extent of SSL constituents.

Groundwater assessment monitoring will continue in 2026.

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1. INTRODUCTION

1.1 Overview

On behalf of Lakeland Electric ("LE"), Geosyntec Consultants, Inc. ("Geosyntec") prepared this *2025 Annual Groundwater Monitoring and Corrective Action Report* for the Byproduct Storage Area ("BSA"), a closed coal combustion residuals ("CCR") unit, at the C.D. McIntosh Jr. Power Plant ("MPP" or "Site"). The purpose of this report is to present a summary of CCR unit groundwater monitoring activities conducted in 2025 in accordance with the annual reporting requirements of the United States Environmental Protection Agency ("USEPA") CCR rule (40 Code of Federal Regulations Part 257 ("CFR"), Subpart D: Standards for the Disposal of Coal Combustion Residuals in Landfills and Surface Impoundments ("CCR Rule"), Section 257.90(e). In addition, this report describes the status of corrective actions being undertaken at the CCR unit to address statistically significant levels ("SSLs") of certain CCR Rule Appendix IV constituents.

The Site is located at 3030 East Lake Parker Drive in Lakeland, Florida and is bordered by undeveloped lakes and marsh land to the north and east and Lake Parker to the south and west (**Figure 1**). The undeveloped lakes and marsh land were created from phosphate mining in the late 1960s to early 1970s. The BSA is in the eastern portion of the Site and encompasses approximately 44 acres.

1.2 Regional Geology & Hydrogeologic Setting

The regional geology and hydrogeology were presented in the *2019 Assessment of Corrective Measures Report* and *2019 Annual Groundwater Monitoring and Corrective Action Report* (Golder, 2019a and b, respectively). A brief summary is included here. Geologic units present near the MPP include (in descending order; youngest to oldest):

- Holocene to Pliocene-age sands and clays up to 25 feet thick occur in the Lakeland area (Florida Geological Survey, 1991).
- The clayey-sand soils of the Miocene to Oligocene-age Hawthorn Group underly the Holocene to Pliocene sands with an approximate thickness of 40 to 60 ft in the vicinity of the MPP (Cathcart, 1964).
- Older units, comprised primarily of limestone and/or dolostone, underlying the Hawthorn group in the region include the Suwannee Limestone, Ocala Limestone, Avon Park Formation, and Oldsmar Formation.

The regional and Site-specific hydrogeology is comprised of three major hydrostratigraphic units: the unconfined surficial aquifer, the intermediate aquifer/confining unit, and the Floridan aquifer. The surficial aquifer represents the "uppermost aquifer" as defined in the CCR Rule. Groundwater flow in the surficial aquifer at the Site generally flows from topographic highs to topographic lows discharging to the numerous lakes surrounding the Site (Golder, 2005). Groundwater in the vicinity of the BSA has been observed to flow semi-radially away from the BSA, with flow to the west toward Fish Lake, and to the east toward Lakes C and D. There is a low vertical gradient in the surficial aquifer toward the intermediate confining unit and Floridan aquifer. This vertical flow component is restricted by the clayey materials of the intermediate confining unit.

1.3 CCR Unit and Groundwater Monitoring System Descriptions

The BSA CCR unit encompasses approximately 44 acres but no longer receives CCR. Pursuant to the CCR Rule, LE installed a CCR unit groundwater monitoring system around the BSA to monitor groundwater within the uppermost aquifer at the Site (Golder, 2017a). Background monitoring wells were installed to establish Site-wide background water quality. The downgradient monitoring well network was installed at the waste boundary. The BSA groundwater monitoring network is comprised of the following wells:

- background wells (2): CCR-1 and CCR-2;
- downgradient wells (9): CCR-4, CCR-5, CCR-6, CCR-7, CCR-8, CCR-9, CCR-11, CCR-12, and CCR-13.

CCR-3, CCR-10, and CCR-14 were removed from the CCR unit monitoring well network in 2021 following five or more semi-annual groundwater monitoring events prior to January 2021 with no CCR constituent concentrations above CCR Rule groundwater protection standards ("GWPS"). These wells are not needed to evaluate the nature and extent ("N&E") of CCR constituents at other wells and are utilized as piezometers to supplement groundwater flow interpretations.

In February 2019, LE installed delineation wells (CCR-15 through CCR-23) to evaluate the N&E of SSL constituents (Golder, 2019b). In June 2019, LE completed an alternate source demonstration ("ASD") for total radium documenting that total radium SSLs are not associated with a release from the BSA (see Section 5.0 for additional details regarding the total radium ASD). As a result of the total radium ASD, groundwater samples have not been analyzed for total radium. In 2025, LE sampled the delineation wells around the BSA, the downgradient property boundary well (SW-106), Fish Lake, and Lake D. These samples were analyzed for CCR Rule Appendix IV constituents (except for radium since an ASD established that radium is from a source other than the CCR unit).

Monitoring well details, including installation dates, coordinates, elevations, screen intervals, and designations are summarized in **Table 1**. The BSA groundwater monitoring network and delineation wells are depicted on **Figure 2.**

2. WATER MONITORING ACTIVITIES

The following section describes the methods used to conduct CCR unit groundwater monitoring at the BSA, including groundwater level gauging and sampling of monitoring wells and surface water bodies. Groundwater and surface water monitoring activities were conducted in general accordance with FDEP Standard Operating Procedures ("SOPs") for Field Activities dated January 2017 (effective April 2018).

2.1 Water Monitoring Station Installation, Maintenance, and Abandonment

Water monitoring stations at the BSA are routinely maintained to confirm they can accurately monitor water conditions near the BSA. After being damaged during routine maintenance activities in May 2025, the above ground surface casing at CCR-20 was retrofitted and the well redeveloped and resurveyed in July 2025. A detailed summary of well rehabilitation activities is included in **Appendix A**. No additional monitoring wells or piezometers were installed at the BSA in 2025. A new staff gauge was installed in Fish Lake in July 2025.

2.2 Groundwater and Surface Water Elevation Measurement

Prior to each semi-annual sampling event, the depth to groundwater was recorded at CCR unit groundwater monitoring wells, delineation wells, piezometers, and staff gauges within a 12-hour period.

2.3 Groundwater and Surface Water Sampling

Groundwater and surface water at the BSA was monitored on a semi-annual basis in 2025. The first semi-annual assessment monitoring event was conducted between February and March 2025, and the second semi-annual monitoring event was conducted in August 2025.

During the 2025 semi-annual assessment monitoring events, groundwater samples were collected from CCR unit monitoring wells, select N&E monitoring wells (CCR-15 through CCR-23 and SW-106), and select surface water bodies (Fish Lake and Lake D) to assess the N&E of lithium and arsenic (i.e., constituents with SSLs). Monitoring well locations and surface water bodies are shown on **Figure 2**.

Water quality parameters (pH, conductivity, dissolved oxygen, temperature, and turbidity) were documented during well purging to evaluate stabilization prior to sample collection. Following sample collection, samples were placed in ice-packed coolers and submitted for laboratory analysis following chain-of-custody protocol.

Samples were analyzed for Appendix III and Appendix IV constituents (except for radium since an ASD established that radium is from a source other than the CCR unit).

2.4 Statistical Methods

Statistical analysis of Appendix IV constituents was performed on CCR unit groundwater monitoring data collected during the 2025 semi-annual assessment monitoring events in accordance with the *Statistical Analysis Plan* (Golder, 2017b). The *Statistical Analysis Plan* ("SAP") describes Site-specific statistical methods that were used to evaluate CCR unit

groundwater data. In accordance with the CCR Rule, GWPS for Appendix IV constituents were established. In 2023, Site-specific GWPS were updated in accordance with the timeline outlined in the SAP and are presented in **Table 6**.

To evaluate SSLs of Appendix IV constituents, a confidence interval approach was used to evaluate if downgradient groundwater concentrations were present at SSLs. As recommended in the *Statistical Analysis of Groundwater Data at RCRA Facilities, Unified Guidance*, a confidence interval around the mean was employed for normal or normalized data (USEPA, 2009). If downgradient well data is not normally distributed and cannot be transformed to a normal distribution, the non-parametric confidence interval around the median was employed. There is evidence of an SSL if the lower confidence limit ("LCL") exceeds the GWPS at the 95% confidence level.

2.5 Quality Assurance & Quality Control

During each sampling event, quality assurance/quality control ("QA/QC") samples including field equipment blanks were collected.

3. RESULTS

The following sections describe the results of water monitoring activities performed in 2025. Field sampling data sheets and analytical laboratory reports are provided in **Appendix B**.

3.1 Groundwater and Surface Water Elevation Measurement

Depth to groundwater and surface water staff gauge measurements were converted to elevations and are summarized in **Table 4**. Site-wide groundwater elevation contour maps developed for the first and second semi-annual assessment monitoring events in February and July 2025 are presented on **Figure 3** and **Figure 4**, respectively. Shallow groundwater beneath the BSA typically flows in a semi-radial pattern towards the surrounding lakes. Shallow groundwater flow patterns observed during the 2025 assessment monitoring events were generally consistent with historical observations.

3.1.1 Groundwater Gradient and Flow Velocity

Groundwater flow rates were calculated based on hydraulic gradients from the 2025 groundwater sampling events and hydraulic conductivity measured via slug tests. The maximum Site-specific surficial aquifer horizontal hydraulic conductivity was calculated to be 52 feet (ft)/day (Golder, 2005). Horizontal flow velocity was calculated using a form of Darcy's Law:

$$V=(K*i)/n_e$$

Where:

V=groundwater velocity (ft/day);

K=measured hydraulic conductivity (ft/day);

i=horizontal hydraulic gradient (ft/ft);

n_e=effective porosity (unitless), which was assumed to be 0.15 (Golder, 2005).

Table 5 provides a summary of horizontal hydraulic gradients and groundwater flow velocities associated with well pairs CCR-8/CCR-3, CCR-5/CCR-16, and CCR-11/CCR-20 and were calculated based on groundwater elevations from the February and July 2025 sampling events. These velocities are generally consistent with historical groundwater velocities documented at the BSA except for the velocities at well pair CCR-11/CCR-20. The average velocity between this well pair in 2025 was 61 ft/year. In 2023 and 2024, the average velocities were 340 and 486 ft/year, respectively. Groundwater flow in this region is affected by the elevation of water in Fish Lake, which had an average 2025 water elevation of approximately 132 ft North American Vertical Datum of 1988 (NAVD88). This is approximately 3 ft higher than the average 2023 and 2024 water elevations (approximately 129 ft NAVD88 for both years) for Fish Lake. The lake's higher water elevation reduces the groundwater gradient to the lake from the landfill thereby reducing the groundwater velocity.

3.2 Appendix IV Constituents Statistical Analysis Results

Analytical data from the first and second semi-annual assessment monitoring events are summarized in **Table 3**. These data were analyzed in accordance with the SAP. The results from the Appendix IV constituent data collected during the first and second semi-annual monitoring events were evaluated statistically to evaluate exceedances of the established GWPS. Statistical results associated with the first and second semi-annual monitoring data are included in **Appendix B** and **Appendix C**, respectively.

Based on the statistical analysis of Appendix IV constituents, the following CCR unit monitoring wells exhibited SSLs for arsenic or lithium:

SSL Constituent	**Semi-annual assessment monitoring events**	
	1st Semi-annual 2025	**2nd Semi-annual 2025**
Arsenic	CCR-11 CCR-12	CCR-11 CCR-12
Lithium	CCR-4 CCR-5 CCR-6	CCR-4 CCR-5 CCR-6

3.3 Quality Assurance and Quality Control

Field activities, including sample collection and decontamination, were performed in general accordance with the FDEP SOPs DEP-SOP-001/01 effective on 16 April 2018.

The fixed-based laboratory Eurofins Tampa which was used for sample analyses during the semi-annual sampling is certified by the Florida Department of Health (FDOH) as an accredited laboratory under the National Environmental Laboratory Accreditation Program (NELAP). Eurofins Tampa's NELAP number is E83018. Copies of the Eurofins analytical reports (Eurofins job numbers: 660-141283-1 dated 3 March 2025 and 670-67905-1 dated 18 August 2025) are provided in **Appendix B**.

Based on the Quality Assurance/Quality Control (QA/QC) measures, the data meet project acceptance criteria. Based on an evaluation of the laboratory report, including equipment blank sample results, sample holding times, and laboratory control sample results, the laboratory data are usable for meeting project objectives.

4. ALTERNATE SOURCE DEMONSTRATION

In accordance with the CCR Rule, LE prepared an ASD for total radium (**Appendix D**). The key conclusions of the ASD are briefly summarized below:

- Radionuclides including radium-226 and radium-228 (the sum of these radionuclides is considered total radium) are naturally occurring in the study area and are associated with minerals in the phosphate matrix mined by the phosphate mining industry during the 1970s at the BSA prior to its construction.
- Uranium concentrations in phosphate-bearing rocks exhibit typical uranium concentrations of up to 300 parts per million, which is approximately 1 to 2 orders of magnitude higher than U.S. coals and fly ash, respectively (USGS, 1997).
- Detailed mineralogical assessment of the underlying soils conducted by Petrologic Solutions, Inc. revealed significant uranium and other accessory constituents associated with the phosphate ore mined at and near the BSA.

Due to the abundance of naturally occurring uranium in sediments underlying the MPP, LE ceased analysis of total radium in CCR unit groundwater samples collected following 2019.

5. CORRECTIVE MEASURES

This section describes the corrective measures that are being implemented at the BSA.

5.1 Remedy Design and Implementation

LE completed an assessment of corrective measures ("ACM") in June 2019 in accordance with 40 CFR §257.96(a). LE evaluated groundwater corrective measures to support remedy selection for groundwater downgradient of the BSA in 2020 and 2021 and conducted the public meeting required by 40 CFR §257.96(e) on February 3, 2021. Following receipt of public input, LE completed the *Remedy Selection Report - Byproduct Storage Area* to document a remedy consisting of source control, including beneficial off-site use of CCR material, and capping and closing the BSA in place following the shutdown of Unit No. 3 (Geosyntec, 2021).

In September 2022, LE applied to the FDEP to close the BSA pursuant to Rule 62-701.805(11) and 62-701.805(8), Florida Administrative Code ("FAC"). On August 18, 2023, FDEP issued the Permit to close the BSA pursuant to Rule 62-701.805(11) and 62-701.805(8), FAC.

During the closure design process, LE selected a final cover system for the BSA that differed from what was outlined in the BSA's Closure and Post Closure Care Plan (Closure Plan) and approved Permit. Therefore, LE revised the Closure Plan to include the revised final cover system and submitted a Permit modification application to the FDEP. FDEP furnished a Notice of Intent to issue the modified permit No. 0425997-002-CP-IM on October 28, 2024. The public notice required by Rule 62-701.805, FAC was published in a newspaper of general circulation on November 5, 2024.

In 2024, LE procured a qualified subcontractor to complete the BSA closure construction and closure was initiated. However, due to factors out of LE's control (multiple adverse weather events delaying construction) a closure timeframe extension was submitted to the FDEP since closure would not be complete within six months of initiation. LE completed the BSA's closure in January 2025 and published the June 2025 Notification of Closure Completion to their CCR compliance webpage.

6. SUMMARY AND FUTURE ACTIONS

In accordance with the CCR Rule, LE continued assessment monitoring in 2025 and completed closure activities at the BSA. Statistical analysis identified SSLs of arsenic and lithium downgradient of the BSA. Monitoring data collected in 2025 indicated SSLs remain in groundwater for arsenic (CCR-11 and CCR-12) and lithium (CCR-4, CCR-5, and CCR-6). LE collected surface water samples from Fish Lake and Lake D, which are downgradient from monitoring wells with SSLs to evaluate the downgradient N&E of SSL constituents. Arsenic and lithium concentrations in these water bodies were below GWPS providing delineation for upgradient monitoring wells with SSLs.

LE completed closure of the BSA in January 2025 in accordance with FDEP's intended issuance of permit No. 0425997-002-CP-IM.

Groundwater assessment monitoring will continue in 2026.

7. REFERENCES

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TABLES

TABLE 1: GROUNDWATER MONITORING LOCATION DETAILS
Lakeland Electric - C.D. McIntosh Power Plant, Polk County, Florida

Monitoring Location	Installation Date	Northing	Easting	Ground Elevation	Top of Casing Elevation	Top of Screen Elevation	Bottom of Screen Elevation	Designation
CCR Groundwater Monitoring Network								
CCR-1	6/24/2016	1362405.2	681287.2	138.3	141.3	122.6	113.1	Background
CCR-2	6/23/2016	1362203.9	681787.6	137.6	140.6	121.9	112.4	Background
CCR-4	6/24/2016	1362450.0	683042.7	140.3	143.1	124.7	115.2	Monitoring
CCR-5	6/22/2016	1362716.0	683376.9	138.6	141.1	122.4	112.9	Monitoring
CCR-6	6/22/2016	1363168.4	683578.6	138.5	141.3	122.8	113.3	Monitoring
CCR-7	6/22/2016	1363631.9	683772.2	139.1	142.1	123.4	113.9	Monitoring
CCR-8	6/22/2016	1363917.6	683411.6	139.4	142.1	123.5	114.0	Monitoring
CCR-9	6/21/2016	1364085.2	683045.3	138.6	141.7	123.1	113.6	Monitoring
CCR-11	6/20/2016	1363835.5	682577.2	134.3	137.1	118.7	109.2	Monitoring
CCR-12	6/20/2016	1363353.1	682430.5	134.1	137.0	118.4	108.9	Monitoring
CCR-13	6/21/2016	1362936.6	682164.1	135.0	138.0	119.4	109.9	Monitoring
Groundwater Monitoring Locations for Nature and Extent								
CCR-15	2/18/2019	1362341.3	683123.5	141.8	144.7	126.4	116.8	Delineation
CCR-16	2/18/2019	1362533.2	683385.6	141.2	144.1	125.9	116.3	Delineation
CCR-17	2/19/2019	1363019.9	683712.7	142.9	145.8	127.5	117.9	Delineation
CCR-18	2/18/2019	1363631.1	683869.7	138.2	140.8	122.6	113.0	Delineation
CCR-19	2/15/2019	1364205.4	683064.5	133.8	136.5	118.3	108.7	Delineation
CCR-20*	2/14/2019	1363855.5	682474.9	133.1	136.7	118.2	108.6	Delineation
CCR-21	2/13/2019	1363454.0	682331.4	134.5	137.1	118.9	109.3	Delineation
CCR-22	2/13/2019	1363017.4	682078.7	134.0	137.5	119.2	109.6	Delineation
CCR-23	2/12/2019	1362812.1	681744.7	136.2	135.8	121.1	111.5	Delineation
SW-106	--	1359388.5	685658.4	145.6	148.6	130.2	120.2	Delineation
Groundwater Piezometers								
CCR-3	6/23/2016	1362334.6	682451.3	137.5	137.0	121.6	112.2	Piezometer
CCR-10R	3/13/2018	1364262.1	682706.3	133.8	133.6	119.2	109.7	Piezometer
CCR-14	6/21/2016	1362771.1	681761.2	135.8	138.7	120.4	110.9	Piezometer
MW-24S	--	1363278.5	683727.0	--	143.9	--	--	Piezometer
MW-25S	--	1362906.6	683555.1	--	144.4	--	--	Piezometer

Notes:

1. Northing and easting are in feet relative to the State Plane Florida North Datum of 1983, Florida West.
2. Elevations are in feet relative to the North American Vertical Datum of 1988.
3. "--" indicates not available.
4. * The above ground surface completion at CCR-20 was replaced and the well resurveyed on July 2, 2025.

TABLE 2: SUMMARY OF 2025 SAMPLING EVENTS
Lakeland Electric - C.D. McIntosh Power Plant, Polk County, Florida

Monitoring Location	2025 Semi-Annual Assessment Monitoring Event 1	2025 Semi-Annual Assessment Monitoring Event 2
CCR Groundwater Monitoring Network		
CCR-1	02/28/2025	08/04/25
CCR-2	02/28/2025	08/01/25
CCR-4	02/28/2025	08/04/25
CCR-5	03/05/2025	08/05/25
CCR-6	03/04/2025	08/05/25
CCR-7	03/04/2025	08/06/25
CCR-8	03/04/2025	08/05/25
CCR-9	03/04/2025	08/05/25
CCR-11	03/05/2025	08/06/25
CCR-12	03/04/2025	08/06/25
CCR-13	03/03/2025	08/05/25
Groundwater Monitoring Locations for Nature and Extent		
CCR-15	02/27/2025	08/01/25
CCR-16	02/27/2025	08/01/25
CCR-17	02/28/2025	08/04/25
CCR-18	02/28/2025	08/04/25
CCR-19	02/28/2025	08/04/25
CCR-20	03/04/2025	08/06/25
CCR-21	03/03/2025	08/06/25
CCR-22	02/28/2025	08/06/25
CCR-23	02/28/2025	08/05/25
SW-106	03/03/2025	08/04/25
Surface Water Monitoring Locations for Nature and Extent		
Fish Lake	03/03/2025	08/04/25
Lake D	03/03/2025	08/04/25

TABLE 3: SUMMARY OF 2025 LABORATORY ANALYTICAL DATA
Lakeland Electric - C.D. McIntosh Power Plant, Polk County, Florida

Monitoring Location	Well Designation	Sample Date	Antimony (mg/L)	Arsenic (mg/L)	Barium (mg/L)	Beryllium (mg/L)	Boron (mg/L)	Cadmium (mg/L)	Calcium (mg/L)	Chloride (mg/L)	Chromium (mg/L)	Cobalt (mg/L)	Combined Radium (pCi/L)	Fluoride (mg/L)	Lead (mg/L)	Lithium (mg/L)	Mercury (mg/L)	Molybdenum (mg/L)	pH (SU)	Selenium (mg/L)	Sulfate (mg/L)	TDS (mg/L)	Thallium (mg/L)
Site-Specific GWPS (mg/L)			**0.006**	**0.01**	**2**	**0.004**	**--**	**0.005**	**--**	**--**	**0.1**	**0.006**	**--**	**4**	**0.015**	**0.04**	**0.002**	**0.1**	**--**	**0.05**	**--**	**--**	**0.002**
Semi-Annual Assessment Monitoring Event 1																							
CCR-1	Background	02/28/2025	< 0.00041 U	**0.00094 I**	**0.021**	< 0.00032 U	**0.035 I**	< 0.00025 U	**32**	**5.1**	< 0.0049 U	< 0.00010 U	NA	**0.028 I**	< 0.00024 U	< 0.018 U	< 0.00020 U	< 0.00025 U	**5.3**	< 0.00048 U	**120 J3**	**96**	< 0.00035 U
CCR-2	Background	02/28/2025	< 0.00041 U	< 0.00039 U	**0.014**	< 0.00032 U	**0.039 I**	< 0.00025 U	**31**	**7.7**	< 0.0049 U	< 0.00010 U	NA	**0.088 I**	**0.00056 I**	< 0.018 U	< 0.00020 U	**0.0011 I**	**5.5**	**0.00048 I**	**25**	**120**	< 0.00035 U
CCR-4	Monitoring	02/28/2025	< 0.00041 U	**0.00051 I**	**0.22**	< 0.00032 U	**0.87**	< 0.00025 U	**1,600**	**2,800**	< 0.0049 U	**0.0021**	NA	< 0.022 U	< 0.00024 U	**0.33**	< 0.00020 U	**0.0026**	**4.1**	**0.0031 I**	**1,600**	**6,800**	< 0.00035 U
CCR-5	Monitoring	03/05/2025	< 0.00041 U	< 0.00039 U	**0.16**	< 0.00032 U	**0.39**	< 0.00025 U	**1,900**	**4,500**	< 0.0049 U	**0.00011 I**	NA	**0.061 I**	< 0.00024 U	**4.6**	< 0.00020 U	**0.0046**	**5.5**	**0.0013 I**	**400**	**9,500**	< 0.00035 U
CCR-6	Monitoring	03/04/2025	< 0.00041 U	< 0.00039 U	**0.0047**	< 0.00032 U	**0.20**	< 0.00025 U	**170**	**73**	< 0.0049 U	< 0.00010 U	NA	**0.40**	< 0.00024 U	**0.11**	< 0.00020 U	**0.0064**	**6.6**	< 0.00048 U	**150**	**700**	< 0.00035 U
CCR-7	Monitoring	03/04/2025	< 0.00041 U	< 0.00039 U	**0.0041**	< 0.00032 U	**0.091**	< 0.00025 U	**54**	**3.3 I**	< 0.0049 U	< 0.00010 U	NA	**0.066 I**	< 0.00024 U	< 0.018 U	< 0.00020 U	**0.0011 I**	**5.5**	< 0.00048 U	**68**	**260**	< 0.00035 U
CCR-8	Monitoring	03/04/2025	< 0.00041 U	**0.00077 I**	**0.024**	< 0.00032 U	**0.047 I**	< 0.00025 U	**83**	**2.7 IJ3**	< 0.0049 U	**0.00018 I**	NA	**0.42**	< 0.00024 U	< 0.018 U	< 0.00020 U	**0.011**	**6.8**	< 0.00048 U	**56**	**250**	< 0.00035 U
CCR-9	Monitoring	03/04/2025	< 0.00041 U	**0.0069**	**0.056**	< 0.00032 U	**0.42**	< 0.00025 U	**680**	**700**	< 0.0049 U	< 0.00010 U	NA	**0.18**	< 0.00024 U	**0.052**	< 0.00020 U	< 0.00025 U	**5.1**	**0.00082 I**	**720**	**3,000**	< 0.00035 U
CCR-11	Monitoring	03/05/2025	< 0.00041 U	**0.083**	**0.049**	< 0.00032 U	**0.32**	< 0.00025 U	**650**	**620**	< 0.0049 U	< 0.00010 U	NA	**0.60**	< 0.00024 U	< 0.018 U	< 0.00020 U	< 0.00025 U	**4.7**	**0.0026 I**	**930**	**3,600**	< 0.00035 U
CCR-12	Monitoring	03/04/2025	**0.00049 I**	**0.079**	**0.022**	< 0.00032 U	**0.42**	< 0.00025 U	**570**	**730**	< 0.0049 U	< 0.00010 U	NA	**0.68**	< 0.00024 U	< 0.018 U	< 0.00020 U	**0.012**	**6.7**	**0.0011 I**	**880**	**2,100**	< 0.00035 U
CCR-13	Monitoring	03/03/2025	< 0.00041 U	**0.00077 I**	**0.010**	< 0.00032 U	**0.27**	< 0.00025 U	**490**	**30**	< 0.0049 U	**0.00012 I**	NA	**0.20**	< 0.00024 U	**0.024**	< 0.00020 U	**0.0041**	**6.0**	**0.00050 I**	**830**	**1,800**	< 0.00035 U
CCR-15	Delineation	02/27/2025	< 0.00041 U	< 0.00039 U	**0.012**	< 0.00032 U	**0.022 I**	< 0.00025 U	**9.1**	**2.6 I**	< 0.0049 U	< 0.00010 U	NA	**0.037 I**	< 0.00024 U	< 0.018 U	< 0.00020 U	**0.00069 I**	**4.4**	**0.00051 I**	**10**	**70**	< 0.00035 U
CCR-16	Delineation	02/27/2025	< 0.00041 U	**0.00053 I**	**0.061**	< 0.00032 U	**0.52**	< 0.00025 U	**670**	**720**	< 0.0049 U	**0.00057 I**	NA	< 0.022 U	< 0.00024 U	**0.25**	< 0.00020 U	< 0.00025 U	**4.3**	**0.0015 I**	**1,600**	**3,800**	< 0.00035 U
CCR-17	Delineation	02/28/2025	< 0.00041 U	**0.0056**	**0.0026 I**	< 0.00032 U	**0.11**	< 0.00025 U	**110**	**20**	< 0.0049 U	< 0.00010 U	NA	**0.029 I**	< 0.00024 U	< 0.018 U	< 0.00020 U	**0.0014 I**	**6.8**	< 0.00048 U	**14**	**410**	< 0.00035 U
CCR-18	Delineation	02/28/2025	< 0.00041 U	< 0.00039 U	**0.0023 I**	< 0.00032 U	**0.048 I**	< 0.00025 U	**100**	**3.4 I**	< 0.0049 U	< 0.00010 U	NA	**0.37**	< 0.00024 U	< 0.018 U	< 0.00020 U	**0.0026**	**6.7**	**0.00050 I**	**7.8**	**310**	< 0.00035 U
CCR-19	Delineation	02/28/2025	< 0.00041 U	**0.0095**	**0.085**	< 0.00032 U	**0.26**	< 0.00025 U	**660**	**860**	< 0.0049 U	< 0.00010 U	NA	**0.67**	< 0.00024 U	< 0.018 U	< 0.00020 U	< 0.00025 U	**4.9**	**0.00098 I**	**1,100**	**3,200**	< 0.00035 U
CCR-20	Delineation	03/04/2025	< 0.00041 U	**0.091**	**0.048**	< 0.00032 U	**0.30**	< 0.00025 U	**610**	**420 I**	< 0.0049 U	< 0.00010 U	NA	**0.13**	< 0.00024 U	< 0.018 U	< 0.00020 U	< 0.00025 U	**5.0**	**0.0022 I**	**990**	**2,900**	< 0.00035 U
CCR-21	Delineation	03/03/2025	< 0.00041 U	**0.0043**	**0.045**	< 0.00032 U	**0.35**	< 0.00025 U	**530**	**11**	< 0.0049 U	**0.00099 I**	NA	**0.63**	< 0.00024 U	< 0.018 U	< 0.00020 U	**0.040**	**6.4**	< 0.00048 U	**720**	**1,800**	< 0.00035 U
CCR-22	Delineation	02/28/2025	< 0.00041 U	< 0.00039 U	**0.018**	< 0.00032 U	**0.45**	< 0.00025 U	**370**	**82**	< 0.0049 U	**0.0011 I**	NA	**0.78**	< 0.00024 U	**0.059**	< 0.00020 U	< 0.00025 U	**4.3**	< 0.00048 U	**1,700**	**1,700**	< 0.00035 U
CCR-23	Delineation	02/28/2025	< 0.00041 U	< 0.00039 U	**0.0084**	< 0.00032 U	**0.61**	< 0.00025 U	**310**	**48**	< 0.0049 U	< 0.00010 U	NA	**0.33**	< 0.00024 U	< 0.018 U	< 0.00020 U	< 0.00025 U	**5.3**	< 0.00048 U	**1,200**	**1,300**	< 0.00035 U
SW-106	Delineation	03/03/2025	< 0.00041 U	< 0.00039 U	**0.011**	< 0.00032 U	**0.032 I**	< 0.00025 U	**9.8**	2.5 U	< 0.0049 U	< 0.00010 U	NA	**0.026 I**	**0.00041 I**	< 0.018 U	< 0.00020 U	**0.0029**	**6.3**	< 0.00048 U	**14**	**60**	< 0.00035 U
Fish Lake	Delineation	03/03/2025	< 0.00041 U	**0.0040**	**0.031**	< 0.00032 U	**0.10**	< 0.00025 U	**120**	**36**	< 0.0049 U	< 0.00010 U	NA	**0.37**	**0.0012 I**	< 0.018 U	< 0.00020 U	**0.0019 I**	**8.2**	**0.00060 I**	**230**	**490**	< 0.00035 U
Lake D	Delineation	03/03/2025	< 0.00041 U	< 0.00039 U	**0.0056**	< 0.00032 U	**0.038 I**	< 0.00025 U	**56**	**120**	< 0.0049 U	**0.00010 I**	NA	**0.43**	< 0.00024 U	< 0.018 U	< 0.00020 U	< 0.00025 U	**6.5**	< 0.00048 U	**5.6**	**300**	< 0.00035 U
Semi-Annual Assessment Monitoring Event 2																							
CCR-1	Background	08/04/2025	< 0.00041 U	**0.0011 I**	**0.022**	< 0.00032 U	**0.041 I**	< 0.00025 U	**32**	**5.3**	< 0.0049 U	< 0.00010 U	NA	< 0.022 U	< 0.00024 U	< 0.018 U	< 0.00020 U	< 0.00025 U	**4.8**	< 0.00048 U	**100**	**150**	< 0.00035 U
CCR-2	Background	08/01/2025	< 0.00041 U	< 0.00039 U	**0.018**	< 0.00032 U	**0.064**	< 0.00025 U	**97**	**24**	< 0.0049 U	< 0.00010 U	NA	**0.048 I**	< 0.00024 U	< 0.018 U	< 0.00020 U	< 0.00025 U	**5.1**	< 0.00048 U	**200**	**460**	< 0.00035 U
CCR-4	Monitoring	08/04/2025	< 0.00041 U	< 0.00039 U	**0.18**	**0.00033 I**	**0.97**	**0.00029 I**	**1,300**	**2,700**	< 0.0049 U	**0.0017 I**	NA	< 0.022 U	< 0.00024 U	**0.25**	< 0.00020 U	**0.0061**	**3.9**	**0.0040**	**1,200**	**6,600**	< 0.00035 U
CCR-5	Monitoring	08/05/2025	< 0.00041 U	< 0.00039 U	**0.16**	< 0.00032 U	**0.38**	< 0.00025 U	**2,000**	**5,400**	< 0.0049 U	**0.00011 I**	NA	**0.074 I**	< 0.00024 U	**5.0**	< 0.00020 U	**0.0034**	**5.7**	**0.0020 I**	**680**	**10,000**	< 0.00035 U
CCR-6	Monitoring	08/05/2025	< 0.00041 U	< 0.00039 U	**0.0034 I**	< 0.00032 U	**0.076**	< 0.00025 U	**190**	**24**	< 0.0049 U	< 0.00010 U	NA	**0.45**	< 0.00024 U	< 0.018 U	< 0.00020 U	**0.0048**	**6.3**	< 0.00048 U	**290**	**710**	< 0.00035 U
CCR-7	Monitoring	08/06/2025	< 0.00041 U	< 0.00039 U	**0.0037 I**	< 0.00032 U	**0.13**	< 0.00025 U	**52**	**5.8**	< 0.0049 U	< 0.00010 U	NA	**0.063 I**	< 0.00024 U	< 0.018 U	< 0.00020 U	**0.00070 I**	**5.7**	**0.00065 I**	**110**	**300**	< 0.00035 U
CCR-8	Monitoring	08/05/2025	**0.00077 IV**	**0.0027 I**	**0.033**	< 0.00032 U	**0.044 I**	< 0.00025 U	**89**	**4.9**	< 0.0049 U	**0.00051 I**	NA	**0.46**	< 0.00024 U	< 0.018 U	< 0.00020 U	**0.011**	**6.7**	< 0.00048 U	**93**	**300**	< 0.00035 U
CCR-9	Monitoring	08/05/2025	< 0.00041 U	**0.010**	**0.063**	< 0.00032 U	**0.40**	< 0.00025 U	**750**	**1,400**	< 0.0049 U	< 0.00010 U	NA	**0.17**	< 0.00024 U	**0.058**	< 0.00020 U	< 0.00025 U	**5.3**	< 0.00048 U	**1,000**	**3,900**	< 0.00035 U
CCR-11	Monitoring	08/06/2025	< 0.00041 U	**0.093**	**0.056**	< 0.00032 U	**0.38**	< 0.00025 U	**610**	**800**	< 0.0049 U	< 0.00010 U	NA	**0.61**	< 0.00024 U	< 0.018 U	< 0.00020 U	< 0.00025 U	**4.5**	**0.0025 I**	**1,700**	**3,700**	< 0.00035 U
CCR-12	Monitoring	08/06/2025	< 0.00041 U	**0.063**	**0.025**	< 0.00032 U	**0.46**	< 0.00025 U	**540**	**27**	< 0.0049 U	< 0.00010 U	NA	**0.78**	< 0.00024 U	< 0.018 U	< 0.00020 U	**0.013**	**6.8**	**0.0010 I**	**1,300**	**2,100**	< 0.00035 U
CCR-13	Monitoring	08/05/2025	**0.00042 IV**	**0.0052**	**0.0051**	< 0.00032 U	**0.19**	< 0.00025 U	**350**	**50**	< 0.0049 U	< 0.00010 U	NA	**0.40**	< 0.00024 U	< 0.018 U	< 0.00020 U	**0.0086**	**6.5**	**0.00096 I**	**890**	**1,600**	< 0.00035 U
CCR-15	Delineation	08/01/2025	< 0.00041 U	< 0.00039 U	**0.010**	< 0.00032 U	**0.019 I**	< 0.00025 U	**7.3**	**3.3**	< 0.0049 U	< 0.00010 U	NA	**0.030 I**	< 0.00024 U	< 0.018 U	< 0.00020 U	**0.0013 I**	**4.4**	< 0.00048 U	**19**	**92**	< 0.00035 U
CCR-16	Delineation	08/01/2025	< 0.00041 U	**0.00042 I**	**0.10**	< 0.00032 U	**0.59**	< 0.00025 U	**1,100**	**2,600**	< 0.0049 U	**0.00095 I**	NA	< 0.022 U	< 0.00024 U	**0.74**	< 0.00020 U	< 0.00025 U	**4.1**	**0.0016 I**	**990**	**6,100**	< 0.00035 U
CCR-17	Delineation	08/04/2025	< 0.00041 U	**0.012**	**0.0031 I**	< 0.00032 U	**0.14**	< 0.00025 U	**180**	**31**	< 0.0049 U	< 0.00010 U	NA	**0.022 I**	< 0.00024 U	< 0.018 U	< 0.00020 U	**0.0026**	**6.8**	**0.00060 I**	**160**	**710**	< 0.00035 U
CCR-18	Delineation	08/04/2025	< 0.00041 U	< 0.00039 U	**0.0019 I**	< 0.00032 U	**0.055**	< 0.00025 U	**130**	**4.6**	< 0.0049 U	< 0.00010 U	NA	**0.41**	< 0.00024 U	< 0.018 U	< 0.00020 U	**0.0022**	**6.7**	**0.00053 I**	**11**	**480**	< 0.00035 U
CCR-19	Delineation	08/04/2025	< 0.00041 U	**0.011**	**0.085**	< 0.00032 U	**0.27**	< 0.00025 U	**690**	**1,300**	< 0.0049 U	< 0.00010 U	NA	**0.61**	< 0.00024 U	< 0.018 U	< 0.00020 U	< 0.00025 U	**4.9**	**0.0013 I**	**850**	**3,900**	< 0.00035 U
CCR-20	Delineation	08/06/2025	< 0.00041 U	**0.086**	**0.055**	< 0.00032 U	**0.34**	< 0.00025 U	**570**	**300**	< 0.0049 U	< 0.00010 U	NA	**0.17**	< 0.00024 U	< 0.018 U	< 0.00020 U	< 0.00025 U	**5.3**	**0.0019 I**	**1,900**	**2,800**	< 0.00035 U
CCR-21	Delineation	08/06/2025	< 0.00041 U	**0.0035 I**	**0.044**	< 0.00032 U	**0.39**	< 0.00025 U	**510**	**15**	< 0.0049 U	**0.00096 I**	NA	**0.64**	< 0.00024 U	< 0.018 U	< 0.00020 U	**0.041**	**6.5**	< 0.00048 U	**1,200**	**2,000**	< 0.00035 U
CCR-22	Delineation	08/06/2025	< 0.00041 U	< 0.00039 U	**0.037**	< 0.00032 U	**0.57**	< 0.00025 U	**390**	**140**	< 0.0049 U	**0.0016 I**	NA	**0.59**	< 0.00024 U	**0.050**	< 0.00020 U	< 0.00025 U	**4.3**	< 0.00048 U	**1,400**	**2,000**	< 0.00035 U
CCR-23	Delineation	08/05/2025	< 0.00041 U	< 0.00039 U	**0.013**	< 0.00032 U	**0.85**	< 0.00025 U	**320**	**170**	< 0.0049 U	< 0.00010 U	NA	**0.29**	< 0.00024 U	< 0.018 U	< 0.00020 U	< 0.00025 U	**5.3**	< 0.00048 U	**840**	**1,600**	< 0.00035 U
SW-106	Delineation	08/05/2025	< 0.00041 U	< 0.00039 U	**0.017**	< 0.00032 U	**0.034 I**	< 0.00025 U	**13**	**1.6**	< 0.0049 U	< 0.00010 U	NA	**0.024 I**	**0.00072 I**	< 0.018 U	< 0.00020 U	**0.0021**	**6.3**	**0.00048 I**	**14**	**90**	< 0.00035 U
Fish Lake	Delineation	08/04/2025	< 0.00041 U	**0.0037 I**	**0.020**	< 0.00032 U	**0.12**	< 0.00025 U	**120**	**42**	< 0.0049 U	< 0.00010 U	NA	**0.43**	< 0.00024 U	< 0.018 U	< 0.00020 U	**0.0021**	**8.2**	< 0.00048 U	**320**	**550**	< 0.00035 U
Lake D	Delineation	08/04/2025	< 0.00041 U	< 0.00039 U	**0.0094**	< 0.00032 U	**0.063**	< 0.00025 U	**73**	**150**	< 0.0049 U	< 0.00010 U	NA	**0.41**	< 0.00024 U	**0.019 I**	< 0.00020 U	< 0.00025 U	**6.6**	< 0.00048 U	**9.3**	**500**	< 0.00035 U

Notes:
1. "mg/L" indicates milligrams per liter, "pCi/L" indicates picoCuries per liter, "SU" indicates standard units.
2. "TDS" indicates Total Dissolved Solids.
3. "U" indicates analyte was analyzed but not detected.
4. "GWPS" indicates Groundwater Protection Standard.
5. "NA" indicates not analyzed or not available.
6. "I" indicates the reported value is between the laboratory method detection limit (MDL) and the laboratory practical quantitation limit.
7. Bold text indicates concentrations detected above the MDL.

bold, highlighted text indicates concentration above the Groundwater Protection Standard.

TABLE 4: SUMMARY OF 2025 GROUNDWATER AND SURFACE WATER ELEVATIONS
Lakeland Electric - C.D. McIntosh Power Plant, Polk County, Florida

Monitoring Location	Northing	Easting	Top of Casing Elevation	Date	Depth to Water	Groundwater Elevation
CCR-1	1362405.2	681287.1	141.3	2/25/2025	10.20	131.10
CCR-2	1362203.9	681787.6	140.6	2/25/2025	9.77	130.80
CCR-3	1362334.6	682451.3	137.0	2/25/2025	6.21	130.83
CCR-4	1362450.0	683042.7	143.1	2/25/2025	14.52	128.61
CCR-5	1362716.0	683376.9	141.1	2/25/2025	10.75	130.32
CCR-6	1363168.4	683578.6	141.3	2/25/2025	9.39	131.95
CCR-7	1363631.9	683772.2	142.1	2/25/2025	9.70	132.40
CCR-8	1363917.6	683411.6	142.1	2/25/2025	9.05	133.07
CCR-9	1364085.2	683045.3	141.7	2/25/2025	9.17	132.50
CCR-10R	1364262.1	682706.3	133.6	2/25/2025	1.13	132.43
CCR-11	1363835.4	682577.2	137.1	2/25/2025	4.39	132.73
CCR-12	1363353.1	682430.5	137.0	2/25/2025	4.31	132.68
CCR-13	1362936.6	682164.1	138.0	2/25/2025	5.33	132.62
CCR-14	1362771.1	681761.2	138.7	2/25/2025	7.54	131.16
CCR-15	1362341.3	683123.5	144.7	2/25/2025	16.89	127.76
CCR-16	1362533.2	683385.6	144.1	2/25/2025	15.43	128.67
CCR-17	1363019.9	683712.7	145.8	2/25/2025	14.42	131.38
CCR-18	1363631.1	683869.7	140.8	2/25/2025	8.62	132.19
CCR-19	1364205.4	683064.5	136.5	2/25/2025	4.11	132.36
CCR-20	1363855.5	687474.9	136.1	2/25/2025	3.33	132.72
CCR-21	1363454.0	682331.4	137.1	2/25/2025	4.62	132.50
CCR-22	1363017.4	682078.7	137.5	2/25/2025	5.23	132.28
CCR-23	1362812.1	681744.7	135.8	2/25/2025	4.65	131.13
MW-24S	1363278.5	683727.0	143.9	2/25/2025	11.35	132.56
MW-25S	1362906.6	683555.1	144.4	2/25/2025	14.88	129.52
SW-106	1359388.5	685658.4	148.6	2/25/2025	9.73	138.88
Fish Lake	1363331.1	682095.4	NA	2/25/2025	NA	132.51
Lake B	1364536.4	684057.2	NA	2/25/2025	NA	131.82
Lake C	1363285.9	684071.1	NA	2/25/2025	NA	131.02
Lake D	1361146.2	682688.6	NA	2/25/2025	NA	124.45

Notes:

1. Northing and easting are in feet relative to the State Plane Florida North Datum of 1983, Florida West.
2. Elevations are in feet relative to the North American Vertical Datum of 1988.
3. Depth to water measurements are in feet below top of casing.
4. "NA" indicates not applicable

TABLE 4: SUMMARY OF 2025 GROUNDWATER AND SURFACE WATER ELEVATIONS
Lakeland Electric - C.D. McIntosh Power Plant, Polk County, Florida

Monitoring Location	Northing	Easting	Top of Casing Elevation	Date	Depth to Water	Groundwater Elevation
CCR-1	1362405.2	681287.1	141.3	7/29/2025	9.41	131.89
CCR-2	1362203.9	681787.6	140.6	7/29/2025	9.35	131.22
CCR-3	1362334.6	682451.3	137.0	7/29/2025	6.26	130.78
CCR-4	1362450.0	683042.7	143.1	7/29/2025	14.42	128.71
CCR-5	1362716.0	683376.9	141.1	7/29/2025	10.93	130.14
CCR-6	1363168.4	683578.6	141.3	7/29/2025	9.68	131.66
CCR-7	1363631.9	683772.2	142.1	7/29/2025	10.03	132.07
CCR-8	1363917.6	683411.6	142.1	7/29/2025	10.14	131.98
CCR-9	1364085.2	683045.3	141.7	7/29/2025	9.57	132.10
CCR-10R	1364262.1	682706.3	133.6	7/29/2025	1.98	131.58
CCR-11	1363835.4	682577.2	137.1	7/29/2025	5.42	131.70
CCR-12	1363353.1	682430.5	137.0	7/29/2025	5.32	131.67
CCR-13	1362936.6	682164.1	138.0	7/29/2025	5.76	132.19
CCR-14	1362771.1	681761.2	138.7	7/29/2025	6.22	132.48
CCR-15	1362341.3	683123.5	144.7	7/29/2025	16.75	127.90
CCR-16	1362533.2	683385.6	144.1	7/29/2025	15.38	128.72
CCR-17	1363019.9	683712.7	145.8	7/29/2025	14.49	131.31
CCR-18	1363631.1	683869.7	140.8	7/29/2025	8.89	131.92
CCR-19	1364205.4	683064.5	136.5	7/29/2025	5.40	131.07
CCR-20*	1363855.5	687474.9	136.7	7/29/2025	5.05	131.61
CCR-21	1363454.0	682331.4	137.1	7/29/2025	5.76	131.36
CCR-22	1363017.4	682078.7	137.5	7/29/2025	5.76	131.75
CCR-23	1362812.1	681744.7	135.8	7/29/2025	3.23	132.55
MW-24S	1363278.5	683727.0	143.9	7/29/2025	11.38	132.53
MW-25S	1362906.6	683555.1	144.4	7/29/2025	14.78	129.62
SW-106	1359388.5	685658.4	148.6	7/29/2025	12.03	136.58
Fish Lake*	1363331.1	682095.4	NA	7/29/2025	NA	131.70
Lake B	1364536.4	684057.2	NA	7/29/2025	NA	130.84
Lake C	1363285.9	684071.1	NA	7/29/2025	NA	130.56
Lake D	1361146.2	682688.6	NA	7/29/2025	NA	<122.00

Notes:

1. Northing and easting are in feet relative to the State Plane Florida North Datum of 1983, Florida West.
2. Elevations are in feet relative to the North American Vertical Datum of 1988.
3. Depth to water measurements are in feet below top of casing.
4. "NA" indicates not applicable
5. * CCR-20 and the staff gauge at Fish Lake were resurveyed on July 2, 2025.

TABLE 5: SUMMARY OF 2025 HYDRAULIC GRADIENTS AND GROUNDWATER VELOCITIES

Lakeland Electric - C.D. McIntosh Power Plant, Polk County, Florida

Well Pairs		Date	Water Elevation	Horizontal Distance Between Wells	Head Difference (Δ h)	Horizontal Hydraulic Gradient	n_e	K	V	V
			(ft NAVD88)	(ft)	(ft)	(ft/ft)		(ft/day)	(ft/day)	(ft/yr)
Pair 1	CCR-8	2/25/2025	133.07	1,851	2.24	0.001	0.15	52	0.42	153
	CCR-3		130.83							
Pair 2	CCR-5		130.32	955	1.65	0.002			0.60	219
	CCR-16		128.67							
Pair 3	CCR-11		132.73	104	0.01	0.0001			0.03	12
	CCR-20		132.72							
Pair 1	CCR-8	7/29/2025	131.98	1,851	1.20	0.001			0.22	82
	CCR-3		130.78							
Pair 2	CCR-5		130.14	955	1.42	0.001			0.52	188
	CCR-16		128.72							
Pair 3	CCR-11		131.70	104	0.09	0.001			0.30	109
	CCR-20		131.61							

Notes:

$V = (K*i)/n_e$ where;

V = groundwater velocity

K = calculated hydraulic conductivity

i = horizontal hydraulic gradient

n_e = effective porosity, which was assumed to be 0.15 (Golder, 2015)

ft = feet

/ = per

yr = year

NAVD88 = North American Vertical Datum of 1988

TABLE 6: SUMMARY OF GROUNDWATER PROTECTION STANDARDS

Lakeland Electric - C.D. McIntosh Power Plant, Polk County, Florida

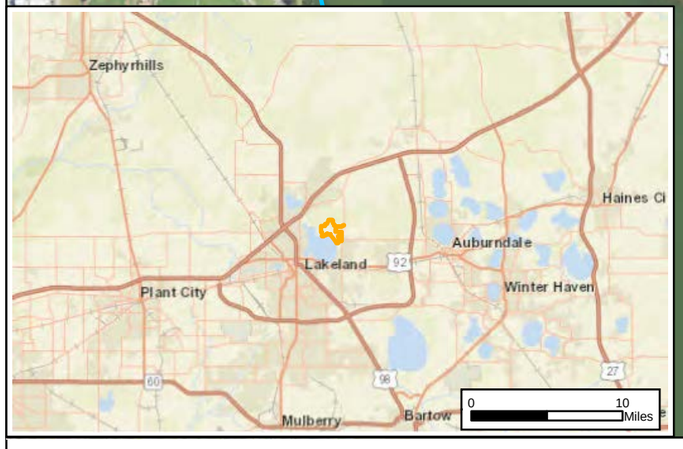
Analyte	Units	Site-Specific GWPS[3]
Antimony	mg/L	0.006
Arsenic	mg/L	0.01
Barium	mg/L	2
Beryllium	mg/L	0.004
Cadmium	mg/L	0.005
Chromium	mg/L	0.1
Cobalt[2]	mg/L	0.006
Fluoride	mg/L	4
Lead[2]	mg/L	0.015
Lithium[2]	mg/L	0.04
Mercury	mg/L	0.002
Molybdenum[2]	mg/L	0.1
Selenium	mg/L	0.05
Thallium	mg/L	0.002
Total Radium - 226+228[4]	pCi/L	7.94

Notes:

1. "USEPA" indicates United States Environmental Protection Agency;
   "GWPS" indicates Groundwater Protection Standard; "mg/L" indicates milligrams per liter;
   "pCi/L" indicates picoCuries per liter; "CCR" indicates coal combustion residuals
2. USEPA CCR Rule national minimum criteria established in USEPA's CCR Rule Amendment dated July 30, 2018.
3. Site-Specific GWPS derivation is available in the *Statistical Evaluation for Assessment Monitoring* for the Byproduct Storage Area by Geosyntec dated June 29, 2023.
4. 226+228 indicates the sum of radium 226 plus radium 228.

FIGURES

Lake A
Lake B
Fish Lake
South Sedimentation Pond
Centurion Drive
Lake C
Lake D
North Combee Road
Lake Parker
Lake Parker Drive



Legend

- BSA Boundary
- Approximate BSA Perimeter Ditch
- City of Lakeland Property
- C.D. McIntosh Power Plant Boundary
- Approximate Lake Boundary

Note:
1. BSA indicates byproduct storage area.
2. 2023 ESRI World Imagery Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community.
3. ESRI Street Map Source (inset image): Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community.

N

0 1,250 Feet

Site Location - Byproduct Storage Area

C.D. McIntosh Power Plant
Lakeland, Polk County, Florida

Geosyntec consultants

Tampa, FL | January 2026

Figure 1

Path: (Titusville-01\DATA) \\Titusville-01\Data\0GIS\FR3715_Lakeland_Electric\MXDs\202407\SiteLocation_BSA_202410.mxd 07 January 2026. Last Edited by: csaville



Legend

- Piezometer
- CCR Monitoring Well
- Nature and Extent Monitoring Well
- BSA Boundary
- Approximate BSA Perimeter Ditch
- City of Lakeland Property
- C.D. McIntosh Power Plant Boundary
- Approximate Lake Boundary

Note:
1. CCR indicates coal combustion residuals.
2. BSA indicates byproduct storage area.
3. The location of SW-106 is approximate.
4. 2023 ESRI World Imagery Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community.

N

0 1,000 Feet

Well Locations - Byproduct Storage Area

C.D. McIntosh Power Plant
Lakeland, Polk County, Florida

Geosyntec consultants

Tampa, FL | January 2026

Figure 2

Path: (Titusville-01\DATA) \\Titusville-01\Data\0GIS\FR3715_Lakeland_Electric\MXDs\202407\CCR_Well_locs_202410.mxd 07 January 2026. Last Edited by: csaville



Legend

- Surface Water Gauge
- Piezometer
- CCR Monitoring Well
- Nature and Extent Monitoring Well
- Groundwater Elevation Contour
- Inferred Groundwater Elevation Contour
- Groundwater Flow Direction
- BSA Boundary
- Approximate BSA Perimeter Ditch
- City of Lakeland Property
- C.D. McIntosh Power Plant Boundary
- Approximate Lake Boundary
- [131.30] Groundwater Elevation (ft NAVD 88)

Notes:
1. * indicates measurement not used for contouring purposes.
2. "**" indicates staff gauge suspected to be compromised. Field measurement not utilized. Lakeland Electric plans to replace the gauge.
3. ^ indicates the location of the Lake D staff gauge is located outside the extent of this map frame. See inset for approximate location.
4. BSA indicates byproduct storage area.
5. ft NAVD88 indicates an elevation in feet relative to the North American Vertical Datum of 1988.
6. CCR indicates coal combustion residuals.
7. NM indicates not measured.
8. Well locations were obtained from the Golder 2019 Assessment of Corrective Measures Report.
9. 2023 ESRI World Imagery Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community.

N

0 300 Feet

Surficial Aquifer Water Table Map
25 February 2025

C.D. McIntosh Power Plant
Lakeland, Polk County, Florida

Geosyntec consultants

Tampa, FL | January 2026

Figure 3

Path: {Titusville-01\DATA} \\Titusville-01\Data\0GIS\FR3715_Lakeland_Electric\MXDs\202601\GW_CCRElev_Feb2025.mxd 09 January 2026. Last Edited by: csaville



Legend

- Surface Water Gauge
- Piezometer
- CCR Monitoring Well
- Nature and Extent Monitoring Well
- Groundwater Elevation Contour
- Inferred Groundwater Elevation Contour
- Groundwater Flow Direction
- BSA Boundary
- Approximate BSA Perimeter Ditch
- City of Lakeland Property
- C.D. McIntosh Power Plant Boundary
- Approximate Lake Boundary
- [131.30] Groundwater Elevation (ft NAVD 88)

Notes:
1. * indicates measurement not used for contouring purposes.
2. ^ indicates the location of the Lake D staff gauge is located outside the extent of this map frame. See inset for approximate location.
3. BSA indicates byproduct storage area.
4. ft NAVD88 indicates an elevation in feet relative to the North American Vertical Datum of 1988.
5. CCR indicates coal combustion residuals.
6. NM indicates not measured.
7. Well locations were obtained from the Golder 2019 Assessment of Corrective Measures Report.
8. 2023 ESRI World Imagery Source: Esri, Maxar, Earthstar Geographics and the GIS User Community.

N

0 300 Feet

Surficial Aquifer Water Table Map
29 July 2025

C.D. McIntosh Power Plant
Lakeland, Polk County, Florida

Geosyntec consultants

Tampa, FL | January 2026

Figure 4

Path: {Titusville-01\DATA} \\Titusville-01\Data\0GIS\FR3715_Lakeland_Electric\MXDs\202601\GW_CCRElev_July2025.mxd 09 January 2026. Last Edited by: csaville

APPENDIX A

Well Rehabilitation and Development Summary

Geosyntec consultants

13101 Telecom Drive, Suite 120
Temple Terrace, Florida 33637
PH 813.558.0990
FAX 813.558.9726
www.geosyntec.com

12 September 2025

Mr. Sean McGinnis, CHMM
Lakeland Electric
Environmental Coordinator
Environmental Affairs

Subject: Summary Report - Well Rehabilitation and Development
C.D. McIntosh Power Plant
3030 East Lake Parker Drive
Lakeland, Florida 33805
Facility ID #95247

Dear Mr. McGinnis:

On behalf of Lakeland Electric (LE), Geosyntec Consultants, Inc. (Geosyntec) prepared this Summary Report to detail well development and rehabilitation activities conducted between May and August 2025 at C.D. McIntosh Power Plant (Site). The following sections detail the completed scope of work.

SCOPE OF WORK COMPLETED

The scope of work included two field events from 27 to 28 May 2025 and on 14 July 2025. The following work was completed:

- Inspection, rehabilitation, and retrofit of CCR-20. CCR-20 is part of LE's coal combustion residuals (CCR) groundwater compliance program.
- Development of three (3) monitoring wells (MW-10I, MW-23I, and CCR-20). MW-10I and MW-23I are associated with LE's Conditions of Certification (PA74-06 Attachment D) groundwater compliance program.

FIELD ACTIVITIES

Field Reconnaissance

Geosyntec conducted field reconnaissance of CCR-20 to evaluate its condition following damage reported during routine site maintenance activities. Geosyntec conducted a visual inspection of the well's exterior and performed a borehole camera assessment to evaluate the integrity of CCR-20.

The inspection aimed to identify any internal damage, obstructions, or residual sediment and turbidity resulting from the retrofit process. The well was found to have a “pinched” riser casing and protective housing at the ground surface. The borehole camera inspection also confirmed that the blank riser casing and well screen below the “pinch point” was intact. Based on these findings, Geosyntec recommended the replacement of the CCR-20 above-ground surface completion and re-development of the well. Images of the damage to CCR-20 are included in the photographic log included as **Attachment A**.

Well Retrofit and Rehabilitation

CCR-20 was retrofitted with a new above-ground surface completion. This included removing the well pad and protective housing, cutting the riser casing below the observed “pinch point”, and attaching a new schedule 40 polyvinyl chloride (PVC) riser casing section using a coupler. A new 4-inch aluminum protective housing was installed which encases the PVC riser casing and is seated into a 2-foot by 2-foot by 4-inch concrete well pad. The existing protective bollards were removed and replaced with four 4-inch steel protective bollards and painted safety yellow. Photos documenting the post-retrofit condition of CCR-20 are included in **Attachment A**.

Following completion of the retrofit, the well was surveyed for horizontal and vertical control of the top-of-casing elevation by SurvTech Solutions, Inc. The survey report is included as **Attachment B**.

Groundwater Monitoring Well Development

Monitoring wells MW-10I, MW-23I, and CCR-20 were developed using a multi-method development technique. The two development methods combined the use of a Waterra Hydrolift (Waterra) inertial pump and a Whale Mega Purger electronic submersible pump (ESP). At the start of well development, the static water level and depth to bottom were measured and recorded on a well development log (**Attachment C**). Initially, the Waterra pump was used to remove accumulated sediment from the well sump and agitate both the well screen and surrounding filter pack. The Waterra pump creates an oscillatory flow pattern into and out of the well screened area via a surge block affixed to the high-density polyethylene (HDPE) tubing deployed in the well. The HDPE tubing with surge block assembly was placed just above the well terminus and then pumped for 2 to 3 minutes. Pumping stopped after the pumping time interval was reached. The tubing and surge block assembly depth was then adjusted in 4-inch vertical intervals (the pump actuation range of the Waterra pump). Afterward, pumping was restarted. This was repeated until the length of the well screened interval had been developed. Development water was collected into a 5-gallon bucket to record the total volume of water purged during this step.

Next, the Waterra pump and tubing assembly were removed, and the ESP pump was deployed slightly above the bottom of the well. The monitoring well was purged at 1-foot intervals from the bottom of the well to the top of the water column to remove suspended sediment in both the water column and filter pack area. Flow rate, depth to water, purge volume, and turbidity were measured during ESP development and recorded on the well development log (**Attachment C**). This process was repeated several times at each location. A final depth to bottom was recorded at the end of each well development period identifying the amount of sediment removed from the bottom of each well. A photographic log of development activities is included as **Attachment A**.

CLOSING

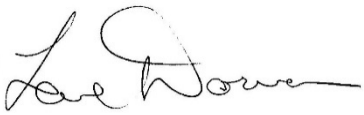
If you have any questions or require additional information, please do not hesitate to contact Luke Varner at 904.334.9007 or Lane Dorman at 850.449.4369.

Sincerely,

GEOSYNTEC CONSULTANTS



Luke Varner, P.G.(FL)
Project Geologist



Lane Dorman, P.G.(FL)
Senior Principal Hydrogeologist

cc:
Mr. Thomas Johnston – Lakeland Electric
Mr. Todd Kafka - Geosyntec

Attachments

A – Photographic Log

B – Surveyor's Report

C – Well Development Logs

ATTACHMENT A

Photographic Log

GEOSYNTEC CONSULTANTS
Photographic Record

Geosyntec consultants

Client: Lakeland Electric	**Project Number: FR3713L**
Site Name: C.D. McIntosh Power Plant	**Site Location: 3030 East Lake Parker Drive Lakeland, FL 33805**

Photo 1	
Date: 5/27/2025	
Direction: N/A	
Comments: Image of surge block and foot valve assembly utilized during well development with a Waterra Hydrolift pump.	

Photo 2	
Date: 5/27/2025	
Direction: N/A	
Comments: Image of MW-23I development water at the start of well development with the Waterra pump. Initial purge water exhibited high turbidity, which cleared rapidly indicating that sediment was being removed from the well.	

GEOSYNTEC CONSULTANTS
Photographic Record

Geosyntec consultants

Client: Lakeland Electric	**Project Number: FR3713L**
Site Name: C.D. McIntosh Power Plant	**Site Location: 3030 East Lake Parker Drive Lakeland, FL 33805**

Photo 3	
Date: 5/27/2025	
Direction: Southwest	
Comments: Image of damaged monitoring well CCR-20 before well rehabilitation was completed.	

Photo 4	
Date: 5/27/2025	
Direction: N/A	
Comments: Image of the damaged well housing of CCR-20. Inspection determined the encased well riser casing was also damaged at the compromised area in view.	

GEOSYNTEC CONSULTANTS Photographic Record	Geosyntec consultants
Client: Lakeland Electric	**Project Number: FR3713L**
Site Name: C.D. McIntosh Power Plant	**Site Location: 3030 East Lake Parker Drive Lakeland, FL 33805**

Photo 5 **Date: 7/14/2025** **Direction: Northeast** **Comments: Image of CCR-20 after replacement of above-ground surface completion.**	

Photo 6 **Date: 7/14/2025** **Direction: Southwest** **Comments: Image of well development activities at CCR-20 utilizing a Waterra Hydrolift pump with surge block and foot valve assembly.**	

GEOSYNTEC CONSULTANTS
Photographic Record

Geosyntec consultants

Client: Lakeland Electric	**Project Number: FR3713L**
Site Name: C.D. McIntosh Power Plant	**Site Location: 3030 East Lake Parker Drive Lakeland, FL 33805**

Photo 7	
Date: 7/14/2025	
Direction: Southwest	
Comments: Image of CCR-20 top of well casing after replacement of above-ground surface completion.	

Photo 8	
Date: 8/6/2025	
Direction: Northeast	
Comments: Image of well CCR-20 after replacement of above-ground surface completion and installation of protective bollards.	

ATTACHMENT B

Surveyor’s Report

SurvTech Solutions, Inc.
10220 U.S. Highway 92 East
Tampa, Florida 33610
Florida Licensed Business No. 7340

Phone: 813-621-4929
Fax: 813-621-7194
Web: www.survtechsolutions.com

Tuesday, July 29, 2025

Thomas Johnston
Lakeland Electric
501 E. Lemon St
Lakeland, Florida 33801

RE: **McIntosh Power Plant – Surveying of monitoring well and staff gauges**

Mr. Johnson,

The purpose of this report is to explain the procedures SurvTech Solutions, Inc. utilized in surveying the staff gauges and monitoring well near Fish Lake at McIntosh Power Plant located at 3300 Lake Parker Dr, Lakeland, FL 33805.

Task 1 (Horizontal and Vertical Control):
SurvTech has performed survey work on this project site multiple times in the past. The control utilized for this scope was secondary control established by SurvTech previously. The control and datums were established utilizing the following:

Horizontal Control:

Florida Permanent Reference Network (FPRN)

Vertical Control:

"24727 B" – National Geodetic Survey (NGS) Benchmark

Task 2 (Horizontal Location of Sampling Points)
SurvTech utilized Real Time Kinematic (RTK) GPS for location of the aforementioned sampling points. The equipment used was a Champion TKO receiver with an accuracy of ±0.1 feet.

Task 3 (Vertical Location of the Sampling Points):
Sampling points for this project are staff gauges and a monitoring well. Staff gauges were elevated to an accuracy of ±0.1 feet. Monitoring wells were elevated to an accuracy of ±0.01 feet. To obtain this level of accuracy a closed loop differential level run was performed through the sampling points. The equipment used was a Sokkia SDL 30 digital level reading a bar coded rod.

Task 4 (Data Reporting, and Datum's):
Below is a table depicting the horizontal and vertical data that SurvTech obtained for each of the sampling points. The horizontal datum used for this project was North American Datum (NAD) 1983 (2011 Adjustment) Florida West State Plane coordinate system. The elevations for the monitoring wells are depicted in NAVD 1988.

Monitoring Well Information:

Designation	Northing	Easting	Ground	Rim
	Florida West	Florida West	Elevation	Elevation
	NAD 1983	NAD 1983	NAVD 1988	NAVD 1988
	US Survey Feet	US Survey Feet	US Survey Feet	US Survey Feet
CCR-20	1363855.33	682475.26	133.7	136.66

Note: The rim elevation depicted hereon refers to the north rim of the pvc pipe inside the well casing.

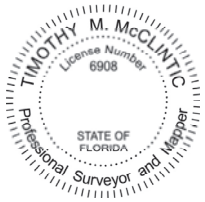
Staff Gauge Information: (Fish Lake)

Designation	Northing	Easting	Read Method	Water
	Florida West	Florida West	Elevation	Elevation
	NAD 1983	NAD 1983	NAVD 1988	NAVD 1988
	US Survey Feet	US Survey Feet	US Survey Feet	US Survey Feet
SG #3	1365226.6	681863.5	Direct - NAVD 88	131.4
SG #4	1364123.9	681285.1	Direct - NAVD 88	131.4

Note: The water elevation depicted hereon was collected July 2, 2025, and is only indicative of the water elevation at said time.

SurvTech Project Number: 251092
Prior SurvTech Project Number: 221006
Field Date: Wednesday, July 2, 2025
Field Crew: L. Hill & F. Delic
Field Book: 25-07, Page 48

Respectfully submitted,
And Certified By:
SurvTech Solutions, Inc.



Digitally signed by
Timothy M McClintic
Reason: I am approving
this document
Date: 2025.07.29
16:54:45 -04'00'

Timothy M. McClintic, P.S.M. #6908
Project Manager

Paper copies of this report are not valid without the original signature and raised seal of a Florida Licensed Surveyor and Mapper. Digital copies are not valid without the digital signature of a Florida Licensed Surveyor and Mapper.

ATTACHMENT C

Well Development Logs

Geosyntec consultants

Well Development Log

Site: LAKELAND ELECTRIC Project No.: FR 3715 L

Monitoring Well: MW-10i Date: 5.28.2025

Well Condition: GOOD PID (ppm):

Initial Depth to Water (ft): 8.89 Initial Depth to Bottom (ft): 36.22

Well Diameter (in): 4" Height of Water (ft): 27.33

multiply height by 0.163 for 2" well, 0.64 for 4" well = Total Volume in Well (g): 17.491Z

Final Depth to Water (ft): 11.50 AND CLIMBING Final Depth to Bottom (ft): 36.25

Time	Flow Rate (gal/min)	Total Volume Removed (gal)	Depth to Water (ft BTOC)	Turbidty (ntu)	pH (SU)	Sp. Cond. (mS/cm)	Temp. (°C)	Dissolved Oxygen (mg/L)	Appearance of Water (color, odor)
0900	1.25			(WATERA)					
1040	1.25	125							
1155	3.00	125		(whale)					
1205	3.00	30/155	23.90	2.47	4.77	430	25.9	0.27	clear, NO ODOR
1215	3.00	30/185	24.04	0.49	4.77	433	25.9	0.14	"
1225	3.00	30/215	25.16	0.70	4.78	438	25.9	0.10	"
1235	3.00	30/245	24.48	0.52	4.76	435	25.9	0.06	"
1245	3.00	30/275	24.81	0.20	4.77	439	25.9	0.05	"

Describe Development Method (e.g., pumping, surging, instrumentation total volume removed, rest periods, problems, deviations from plan, etc.)

STARTED w/ WATERA Pump to surge wellscreen & develop well screen.
Purge ~1.25 gpm
- SWITCHED TO "Whale" & purged w/ readings

Water Quality Meter

Meter Number: YSI ProPlus 18D102398

Calibrated on/by: 5-28-25 / RMA

Stabilization Parameters

31.3 – 36.3 SCREEN

Geosyntec consultants

Well Development Log

Site: LAKELAND ELECTRIC Project No.: FR3715 L

Monitoring Well: MW-23i Date: 5.28.2025 / 5.29.2025

Well Condition: GOOD PID (ppm):

Initial Depth to Water (ft): 6.76 (BTOC) Initial Depth to Bottom (ft): 32.70 (BTOC)

Well Diameter (in): 4" Height of Water (ft): 25.94

multiply height by 0.163 for 2" well, 0.64 for 4" well = Total Volume in Well (g): 16.60

Final Depth to Water (ft): 17.62 & INCREASING Final Depth to Bottom (ft): 32.70 (BTOC)

Time	Flow Rate (gal/min)	Total Volume Removed (gal)	Depth to Water (ft BTOC)	Turbidty (ntu)	pH (SU)	Sp. Cond. (mS/cm)	Temp. (°C)	Dissolved Oxygen (mg/L)	Appearance of Water (color, odor)
1335	1.25								clear, MOD. ODOR
1515	1.25	125	24.80						
5.29.25									
static DTW:	4.90 ft	BTOC							
0805	3.0	start purge							
0825	3.0	~60	22.47	7.48	4.33	557	25.2	0.45	clear, MOD sulfer ODOR
0908	3.0	~26	27.81	3.69	4.32	580	25.2	0.47	"
1001	3.0	~26	30.13	8.78	4.21	580	25.2	0.52	" Turb. was 1.92 by end
1039	3.0	~26	25.36	1.47	4.30	584	25.2	0.50	"

Describe Development Method (e.g., pumping, surging, instrumentation total volume removed, rest periods, problems, deviations from plan, etc.)

STARTED W/ WATERA, MOVING 6" each interval From Bottom to top of screen 27.7 - 32.7 SCREEN

5.29.25

USING Whale today, BAD storm last night w/ lots of RAIN. DTW (static) 4.90 ft BTOC

0813 DRAW DOWN occured, STOPPED pump & WATCHED RECharge ~ 1.0 ft per minute - reviewed w/ P.M. & planned accordingly

Water Quality Meter

Meter Number: YSI Pro Plus 18D102398

Calibrated on/by: 5.28.25 / RM

Stabilization Parameters

Geosyntec
consultants

Well Development Log

Site: LAKELAND ELECTRIC Project No.: FR3713L

Monitoring Well: CCR-20 Date: 7-14-2025
Well Condition: GOOD PID (ppm): NA
Initial Depth to Water (ft): 5.12 BTOC Initial Depth to Bottom (ft): 28.40 BTOC
Well Diameter (in): 2" Height of Water (ft): 23.28
multiply height by 0.163 for 2" well, 0.64 for 4" well = Total Volume in Well (g): 3.794
Final Depth to Water (ft): 5.14 BTOC Final Depth to Bottom (ft): 28.40 BTOC

Time	Flow Rate (gal/min)	Total Volume Removed (gal)	Depth to Water (ft BTOC)	Turbidty (ntu)	pH (SU)	Sp. Cond. (mS/cm)	Temp. (°C)	Dissolved Oxygen (mg/L)	Appearance of Water (color, odor)
1258	PUMP START (WATERRA)								Milky White
1255	1.0	5							"
1410	1.0	75							TRACE White
1428	PUMP START (SWITCH TO ESP)								
1436	.5	4	6.00	14.7	4.68	3227	24.55	1.95	Clear, Mod Odor
1444	.5	4	6.00	10.1	4.68	3228	24.58	1.66	"
1452	.5	4	6.00	8.2	4.71	3243	24.51	0.81	"
1500	.5	4	6.00	5.3	4.69	3245	24.61	0.50	"

Describe Development Method (e.g., pumping, surging, instrumentation total volume removed, rest periods, problems, deviations from plan, etc.)

ESP, Surging in the screen

96 gal total removed

Water Quality Meter

Meter Number: 556 ; 06K1002AM
Calibrated on/by: 7-10-25 / BP

Stabilization Parameters

Geosyntec consultants

Water Quality Instrument Calibration Form

Project/Site: LAKELAND ELECTRIC Project #: FR3715L Field Personnel: RICK MATTHIAS

Water Quality Meter - Model/Serial#: YSI Pro Plus 18D 102398 Turbidimeter - Model/Serial#: HACH 2100Q 22070D 000319

Dissolved Oxygen (FDEP SOP FT 1500)	Date	Time	Temp (°C)	Saturation (mg/L)*	Reading (mg/L)	Reading (%)	Pass or Fail
					Acceptance Criteria:+/-0.3 mg/L		
CAL ICV CCV	5.28.25	0914	28.2	7.800	7.79	100.0	P F
CAL ICV CCV	5.29.25	0745	24.9	8.279	8.27	100.1	P F
CAL ICV CCV	"	1050	27.8	7.856	7.88	100.2	P F
CAL ICV CCV							P F

Specific Conductance (FDEP SOP FT 1200)	Date	Time	Standard Lot #	Standard Exp. Date	Standard (mS/cm)	Reading (mS/cm)	Pass or Fail
Specific Conductance Probe Cleaned? Yes No					Acceptance Criteria: +/- 5%		
CAL ICV CCV	5.28.25	0919	5GC0060	MAR/26	1413	14.14	P F
CAL ICV CCV	5.29.25	0749	"	"	"	1416	P F
CAL ICV CCV	"	1054	"	"	"	1415	P F
CAL ICV CCV							P F

pH (FDEP SOP FT 1100)	Date	Time	Standard Lot #	Standard Exp. Date	Standard (SU)	Reading (SU)	Pass or Fail
					Acceptance Criteria: +/- 0.2 SU		
CAL ICV CCV	5.28.25	0922	5GD1185	Apr/27	7.00	7.00	P F
CAL ICV CCV		0926	5GD0944	Apr/27	4.00	4.01	P F
CAL ICV CCV		0930	5GA0671	JAN/27	10.00	9.97	P F
CAL ICV CCV	5.29.25	0753	5GD1185	Apr/27	7.00	6.98	P F
CAL ICV CCV	"	1058	"	"	"	6.99	P F
CAL ICV CCV							P F

ORP (FDEP SOP N/A)	Date	Time	Standard Lot #	Standard Exp. Date	Standard (mV @ Temp °C)	Reading (mV)	Pass or Fail
Dissolved Oxygen Membrane Changed? Yes No					Geosyntec Acceptance Criteria: +/- 5%		
CAL ICV CCV	5.28.25	0934	5GD0345	JAN/26	200	201.0	P F
CAL ICV CCV	5.29.25	0758	"	"	"	200.6	P F
CAL ICV CCV	"	1104	"	"	"	200.3	P F
CAL ICV CCV							P F

Turbidity 0.1-10 NTU	Date	Standard (NTU)	Reading (NTU)	Pass or Fail
		Acceptance Criteria: +/- 10%		
CAL ICV CCV	5.28.25	10	9.93	P F
CAL ICV CCV	5.29.25	10	9.98	P F
CAL ICV CCV	"	10	10	P F
CAL ICV CCV				P F

Turbidity 11-40 NTU	Date	Standard (NTU)	Reading (NTU)	Pass or Fail
		Acceptance Criteria: +/- 8%		
CAL ICV CCV	5.28.25	20	20.1	P F
CAL ICV CCV	5.29.25	20	20	P F
CAL ICV CCV	"	20	20.1	P F
CAL ICV CCV				P F

Turbidity 41-100 NTU	Date	Standard (NTU)	Reading (NTU)	Pass or Fail
		Acceptance Criteria: +/- 6.5%		
CAL ICV CCV	5.28.25	100	99.1	P F
CAL ICV CCV	5.29.25	100	99.6	P F
CAL ICV CCV	"	100	99.4	P F
CAL ICV CCV				P F
CAL ICV CCV				P F
CAL ICV CCV				P F

Turbidity >100 NTU	Date	Standard (NTU)	Reading (NTU)	Pass or Fail
		Acceptance Criteria: +/- 5%		
CAL ICV CCV	5.28.25	800	795	P F
CAL ICV CCV				P F
CAL ICV CCV				P F
CAL ICV CCV				P F

Notes:

CAL = Initial Calibration

ICV = Initial Calibration Verification

CCV = Continuing Calibration Verification

* See Table FS 2200-2 on the back of this form

Allow adequate time for the dissolved oxygen sensor to equilibrate during air calibration

Calibrate specific conductance using at least two standards that bracket the range of expected sample readings (unless readings <0.1 mS/cm is acceptable)

Calibrate pH using at least two standards (typ. pH 4 and 7) that bracket the range of expected sample readings; always start with pH 7; add a third calibration point if needed

If parameter fails to calibrate within SOP acceptance criteria then append sample results with a "J" qualifier

US Environmental Rental Corporation

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5C South Gold Dr, Hamilton, NJ 08691 (609) 570-8555
1202 Tech Blvd , Suite 108, Tampa, FL 33619 (813) 628-4200
781 Industrial Dr, Elmhurst, IL 60126 (630) 501-1847

Order No.: 141984
Date: 5/22/2025
Technician: JL

Company: Geosyntec
Contact: Luke Varner
Phone #:

Packing List

Item	Serial Number	Tech	QC
Plus	0	✓	
Handheld Display	18D102398	✓	

Item	Tech	QC	Item	Tech	QC
Cable 12 '	✓		AC Adaptor		
Flow Cell	✓		Stand		
Barb Kit	✓		D.O Kit	✓	
Storage / Cal Cup			Calibration Kit	✓	
Sensor Guard	✓				
Manual					
Sonde Cap					
Software					
Extra Batteries	✓				
Display Comm. Cable					
Sonde Comm. Cable	✓				

Calibration Report

Plus **0**

Parameter	Accuracy	Before	After		Lot #
Conductivy 1413 µs/cm	(+/-.5%)	1539	1413		241101A
pH 7 Buffer	(+/- .2)	7.00	7.00		240809C
pH mV for 7 Buffer	(0 +/- 50)			-8.9	
pH 4 Buffer	(+/- .2)	3.90	4.00		240809D
pH mV for 4 Buffer	(180 +/- 50)			164.0	
pH 10 Buffer	(+/- .2)	9.80	10.00		240718B
pH mV for 10 Buffer	(-180 +/- 50)			-158.0	
ORP mV, 237.5	(+/- 20 mV)	192.3	200.00		4GI1583
DO 100% Sat	(+/- 2%)	105.00%	100%		
0% DO Check	(+/- 2%)		1.80		2
Turbidity 0 NTU	(+/- 5%)				4GI0515
Turbidity 126 NTU	(+/- 5%)				24013325

Lab Conditions during calibration

All calibration standards are NIST traceable. Calibration must be performed according to manufacturer's specifications.

This document certifies that US Environmental Rental Corporation has provided this rental equipment and all accessories in good working order It is the renter's responsibility to: a) review all included items upon receipt, b) verify that all items are in acceptable condition and function properly, and c) contact a US Environmental associate immediately if any item is missing, damaged, and/or not functioning properly Any delay in notifying US Environmental will be considered as the Renter taking responsibility for such missing, damaged, and/or malfunctioning item

Missing, damaged, and/or malfunctioning equipment and accessories will result in additional fees.

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1202 Tech Blvd. Suite 108 Tampa, FL 813-628-4200
www.usenvironmentalrental.com

HACH 2100Q

Date: 5/22/25

Res #	141984	***Company***	Gesyntec
Tech	JL	***Contact***	Luke Varner
2100QS/N#	22070D000319	***Phone #***	

Calibration:

After Reading ***10NTU*** 9.78 ***20NTU*** 20.00 ***100NTU*** 99.80 ***800NTU*** 806.00

Packing List

2100Q Meter	XXX	*cloth rag*	XXX
AC Power Cord		*silicone*	
<10 NTU	XXX	*gelex standards*	
20NTU	XXX		
100NTU	XXX		
800NTU	XXX		
AA Batteries	XXX		
Manual	XXX		
(2) Sample Vials	XXX		

Please be sure to verify receipt of all accessories. Missing accessories will be billed at list price plus shipping
If unit has any problems customer must notify U.S. Environmental with in 24 Hours of receipt of unit.
Please call our technical support department at 813-628-4200 ** many problems can be solved in the field

Additional Comments:

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781 Industrial Dr, Elmhurst, IL 60126 (630) 501-1847

Order No.: 144573
Date: 7/10/2025
Technician: BP

YSI

Company: GEOSYNTEC
Contact: LUKE
Phone #: #N/A

Packing List

Item	Serial Number	Tech	QC
556	0	✓	
Handheld Display	06K1002AM	✓	

Item	Tech	QC	Item	Tech	QC
Cable 4M	✓		AC Adaptor		
Flow Cell	✓		Stand		
Barb Kit	✓		D.O Kit	✓	
Storage / Cal Cup	✓		Calibration Kit	✓	
Sensor Guard	✓				
Manual					
Sonde Cap					
Software					
Extra Batteries	✓				
Display Comm. Cable					
Sonde Comm. Cable					

Calibration Report

556			0	
Parameter	**Accuracy**	**Before**	**After**	**Lot #**
Conductivy 1413 µs/cm	(+/-.5%)	1580	1413	190618D
pH 7 Buffer	(+/- .2)	6.90		190618B
pH mV for 7 Buffer	(0 +/- 50)		**-2.0**	
pH 4 Buffer	(+/- .2)	3.90		190618C
pH mV for 4 Buffer	(180 +/- 50)		**167.0**	
pH 10 Buffer	(+/- .2)	9.70		190618A
pH mV for 10 Buffer	(-180 +/- 50)		**-154.0**	
ORP mV, 200.0mV	(+/- 20 mV)	205.0	200.00	9GB139
DO 100% Sat	(+/- 2%)	105%	100.00%	
0% DO Check	(+/- 2%)		2.00	
Turbidity 0 NTU	(+/- 5%)			
Turbidity 126 NTU	(+/- 5%)			
Lab Conditions during calibration				

All calibration standards are NIST traceable. Calibration must be performed according to manufacturer's specifications.

This document certifies that US Environmental Rental Corporation has provided this rental equipment and all accessories in good working order. It is the renter's responsibility to: a) review all included items upon receipt, b) verify that all items are in acceptable condition and function properly, and c) contact a US Environmental associate immediately if any item is missing, damaged, and/or not functioning properly. Any delay in notifying US Environmental will be considered as the Renter taking responsibility for such missing, damaged, and/or malfunctioning item.

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www.usenvironmentalrental.com

HACH 2100Q

Date: 7/10/25

Res #	144573	***Company***	GEOSYNTEC
Tech	BP	***Contact***	LUKE VARNER
2100QS/N#	13120C030080	***Phone #***	

Calibration:

After Reading ***10NTU*** 9.52 ***20NUT*** 19.50 ***100NTU*** 98.50 ***800NTU*** 812.00

Packing List

2100Q Meter	XXX	*cloth rag*	XXX
AC Power Cord		*silicone*	
<10 NTU	XXX	*gelex standards*	
20NTU	XXX		
100NTU	XXX		
800NTU	XXX		
AA Batteries	XXX		
Manual	XXX		
(2) Sample Vials	XXX		

Please be sure to verify receipt of all accessories. Missing accessories will be billed at list price plus shipping
If unit has any problems customer must notify U.S. Environmental with in 24 Hours of receipt of unit.
Please call our technical support department at 813-628-4200 ** many problems can be solved in the field

Additional Comments:

APPENDIX B

Laboratory Analytical Reports and Field Sampling Logs

Geosyntec consultants

Water Level Measurement Field Form

Site: Lakeland Electric CCR Wells

Project No.: FR3715K/01/****/123B

Date 2/25/25

Weather cloudy - overcast

Initials DLT & BRH

Well ID	Status/Comments	Control Point	Measurement	
			Time of Measurement	Depth to Water (TOC)
CCR-1	ok	N	1356	10.20
CCR-2	ok		1412	9.77
CCR-3	ok		1349	6.21
CCR-4	ok		1346	14.52
CCR-5	ok - metal cap broken		1340	10.75
CCR-6	ok - metal cap broken		1335	9.39
CCR-7	ok metal cap broken		1327	9.70
CCR-8	ok - metal cap broken		1323	9.05
CCR-9	ok		1318	9.17
CCR-10R	ok		1114	1.13
CCR-11	ok		1110	4.89
CCR-12	ok		1058	4.31
CCR-13	ok		1055	5.33
CCR-14	ok		1043	7.54
CCR-15	ok		1423	16.89
CCR-16	ok		1425	15.43
CCR-17	ok		1429	14.42
CCR-18	ok		1331	8.62
CCR-19	ok		1129	4.11
CCR-20	ok		1107	3.33
CCR-21	ok		1101	4.62
CCR-22	ok		1053	5.23
CCR-23	ok - marked w/ pink flag		1050	4.65
SW-106	ok		0947	9.73

Notes

Geosyntec consultants

Water Level Measurement Field Form

Site: Lakeland Electric CoC Wells

Project No.: FR3715K/01/****/123B

Date 2/25/25

Weather cloudy

Initials DH & RM

Well ID	Status/Comments	Control Point	Measurement	
			Time of Measurement	Depth to Water (BTOC)
2S	ok	N	1135	4.14
2D	ok		1138	18.65
10S	ok		1414	7.13
10I	ok		1416	7.53
10D	ok		1418	22.25
17S	ok		0923	3.13
17D	ok		0921	20.58
18S (R)	ok		0914	~~8.59~~ 2.07
18I	ok		~~0914~~ 0915	~~8.59~~ ~~2.07~~ 8:59
21S	ok		~~0915~~ 1142	~~2.07~~ 4.71
21D	ok		1145	18.85
22S	ok		1148	3.18
22I	ok		1150	3.76
23S	ok		1308	4.53
23I	ok		1312	4.71
24S	ok		1432	11.35
25S	ok		1436	14.88
26S	ok		1420	12.98
W 14	ok		0858	5.91
Fish Lake	~~ok~~ West staff gauge is good USGS North gauge		~~1004~~ 1120	133.38
Lake B	ok		1004	131.82
Lake C	ok		1015	131.02
Lake D	dirty - algae		0940	124.45

Staff gauge

NAVD88

Used north staff gauge - unknown datum

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME:	Lakeland Electric – C.D. McIntosh Power Plant	SITE LOCATION:	3030 E Lake Parker Dr, Lakeland FL
WELL NO:	CCR-1	SAMPLE ID:	CCR-1-20250228
DATE:	2025-02-28		

PURGING DATA

WELL DIAMETER (inches):	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH:	STATIC DEPTH TO WATER (feet):	PURGE PUMP TYPE OR BAILER:
2"	3/16"	18.7 to 28.7 feet	10.09	PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
=(N/A ft - N/A ft) x N/A gallons/foot = N/A

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= 0 gallons + (0.0014 gallons/foot x 25 feet)+ 0.1 gallons = 0.14

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):
23.7	23.7	11:05	11:26	1.26

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (uS/cm)	OXYGEN (mg/l)	TURBIDITY (NTUs)	COLOR (describe)	ORP (mV)	NOTES:
11:12	0.42	0.42	0.06	10.10	5.33	24.29	211	0.26	6.35	Clear	4.10	-
11:17	0.30	0.72	0.06	10.10	5.33	24.01	212	0.16	5.21	Clear	1.90	-
11:22	0.30	1.02	0.06	10.10	5.34	24.09	212	0.12	4.99	Clear	0.50	-
11:24	0.12	1.14	0.06	10.10	5.33	24.09	212	0.12	4.24	Clear	0.20	-
11:26	0.12	1.26	0.06	10.10	5.33	24.11	212	0.11	4.07	Clear	-0.50	-

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016
PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION:	SAMPLER(S) SIGNATURES:	SAMPLING INITIATED AT:	SAMPLING ENDED AT:
Olivia Hollingsworth/Geosyntec	Olivia Hollingsworth	11:26	11:33

PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE:	FIELD-FILTERED: N Filtration Equipment Type:	FILTER SIZE: N/A	µm
23.7	HDPE		N/A	

FIELD DECONTAMINATION: PUMP N TUBING N DUPLICATE: N

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per min)
CCR-1-20250228	2	HDPE	125	Ice	--	NA	SM4500-Cl, 4500-FL, 375.4	APP	227.12
CCR-1-20250228	1	HDPE	250 mL	HNO3		<2	6010D, 6020B, 7470A	APP	227.12
CCR-1-20250228	1	PP	250 mL	Ice	--	NA	2540C - TDS	APP	227.12

REMARKS:

MATERIAL CODES: AG = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

NOTES: **1 The above do not constitute all of the information required by Chapter 62-160, F.A.C.**
2 STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
pH: + 0.2 units **Temperature:** + 0.2 oC **Specific Conductance:** + 5% **Dissolved Oxygen:** all readings < 20% saturation (see Table FS 2200-2);
optionally, + 0.2 mg/L or + 10% (whichever is greater) Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME:	Lakeland Electric – C.D. McIntosh Power Plant	SITE LOCATION:	3030 E Lake Parker Dr, Lakeland FL
WELL NO:	CCR-2	SAMPLE ID: CCR-2-20250228	DATE: 2025-02-28

PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 3/16"	WELL SCREEN INTERVAL DEPTH: 15.7 to 25.2 feet	STATIC DEPTH TO WATER (feet): 9.84	PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
=(N/A ft - N/A ft) x N/A gallons/foot = N/A

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= 0 gallons + (0.0014 gallons/foot x 22 feet)+ 0.1 gallons = 0.13

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 20.2	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 20.2	PURGING INITIATED AT: 08:25	PURGING ENDED AT: 10:34	TOTAL VOLUME PURGED (gallons): 7.74

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (uS/cm)	OXYGEN (mg/l)	TURBIDITY (NTUs)	COLOR (describe)	ORP (mV)	NOTES:
8:32	0.42	0.42	0.06	9.89	5.50	22.71	154	0.60	22.50	Clear Yellow	8.08	-
8:42	0.60	1.02	0.06	9.89	5.46	22.94	166	0.41	18.30	Clear yellow	54.50	-
8:52	0.60	1.62	0.06	9.89	5.42	22.69	173	0.22	13.00	Clear yellow	36.80	-
9:02	0.60	2.22	0.06	9.89	5.48	22.77	178	0.15	12.50	Clear Yellow	29.70	-
9:12	0.60	2.82	0.06	9.89	5.44	22.85	200	0.15	15.90	Clear Yellow	26.70	-
9:32	1.20	4.02	0.06	9.89	5.51	22.82	188	0.15	15.30	Clear yellow	22.10	-
9:52	1.20	5.22	0.06	9.89	5.52	21.37	193	0.27	15.30	Clear yellow	16.20	-
10:12	1.20	6.42	0.06	9.89	5.48	23.73	210	0.12	13.90	Clear yellow	5.60	-
10:32	1.20	7.62	0.06	9.89	5.52	23.86	206	0.08	13.90	Clear yellow	0.90	-
10:34	0.12	7.74	0.06	9.89	5.51	23.90	215	0.08	15.10	Clear yellow	0.90	-

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016
PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION:	SAMPLER(S) SIGNATURES:	SAMPLING INITIATED AT: 10:34	SAMPLING ENDED AT: 10:42
Olivia Hollingsworth/Geosyntec	*Olivia Hollingsworth*		

PUMP OR TUBING DEPTH IN WELL (feet): 20.2	TUBING MATERIAL CODE: HDPE	FIELD-FILTERED: N Filtration Equipment Type: N/A	FILTER SIZE: N/A µm

FIELD DECONTAMINATION: PUMP N TUBING N DUPLICATE: N

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per min)
CCR-2-20250228	2	HDPE	125	Ice	--	NA	SM4500-Cl, 4500-FL, 375.4	APP	227.12
CCR-2-20250228	1	HDPE	250 mL	HNO3		<2	6010D, 6020B, 7470A	APP	227.12
CCR-2-20250228	1	PP	250 mL	Ice	--	NA	2540C - TDS	APP	227.12

REMARKS:

MATERIAL CODES: AG = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)
SAMPLING EQUIPMENT CODES: **APP** = After Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

NOTES: 1 **The above do not constitute all of the information required by Chapter 62-160, F.A.C.**
2 STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
pH: + 0.2 units **Temperature:** + 0.2 oC **Specific Conductance:** + 5% **Dissolved Oxygen:** all readings < 20% saturation (see Table FS 2200-2);
optionally, + 0.2 mg/L or + 10% (whichever is greater) Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Lakeland Electric MPP CCR	SITE LOCATION: Lakeland, FL	
WELL NO: CCR-4	SAMPLE ID: CCR-4-20250228	DATE: 2-28-2025

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/16	WELL SCREEN INTERVAL DEPTH: 18.5 feet to 28.5 feet BTOC	STATIC DEPTH TO WATER (feet) BTOC: 14.48 (BTOC)	PURGE PUMP TYPE OR BAILER: R.P.

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (feet – feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (.0014 gallons/foot X 35 feet) + .1 gallons = .149 gallons

INITIAL PUMP OR TUBING DEPTH (feet) BTOC: ~24 (BTOC)	FINAL PUMP OR TUBING DEPTH (feet) BTOC: ~24	PURGING INITIATED AT: 1436	PURGING ENDED AT: 1520	TOTAL VOLUME PURGED (gallons): 4.40

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP (°C)	COND (circle units) µmhos/cm or (µS/cm)	DISSOLVED OXYGEN (circle units) (mg/L) or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ORP (mV)
1441	.50	.50	.1	14.63	4.07	24.42	13377	0.95	18.7	Clear	-239.0
1451	1.00	1.50	.1	14.63	4.13	24.18	10832	0.29	12.0	"	-251.4
1459	.80	2.30	.1	14.63	4.13	24.18	11091	0.28	7.39	"	-246.1
1516	1.70	4.00	.1	14.63	4.12	24.16	11550	0.28	2.20	"	-248.6
1518	.20	4.20	1	14.63	4.12	24.14	11557	0.28	2.24	"	-249.1
1520	.20	4.40	1	14.63	4.12	24.12	11566	0.28	2.31	"	-250.9

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016

PURGING EQUIPMENT CODES: **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **O** = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: RIK MATHIAS /Geosyntec	SAMPLER(S) SIGNATURE(S): Rik Mathias	SAMPLING INITIATED AT: 1521	SAMPLING ENDED AT: 1525
PUMP OR TUBING DEPTH (feet) BTOC: ~24 (BTOC)	TUBING MATERIAL CODE: HDPE, S	FIELD-FILTERED: Y (N) Filtration Equipment Type: N/A	FILTER SIZE: ---- µm
FIELD DECONTAMINATION: PUMP Y N	TUBING Y (N (replaced))	DUPLICATE: Y N	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
CCR-4-20250228	2	PE	125 ml	None	—	—	SM4500	APP	~380
	1	PE	250 ml	HNO_3	—	—	6010D, 6020B, 7470A		
	1	PE	250 ml	None	—	—	2540C TDS		

REMARKS: Sample Time: 1521

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **PE** = Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

NOTES: 1. **The above do not constitute all of the information required by Chapter 62-160, F.A.C.**
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME:	Lakeland Electric – C.D. McIntosh Power Plant	SITE LOCATION:	3030 E Lake Parker Dr, Lakeland FL
WELL NO:	CCR-5	SAMPLE ID:	CCR-5-20250305
DATE:	2025-03-05		

PURGING DATA

WELL DIAMETER (inches):	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH:	STATIC DEPTH TO WATER (feet):	PURGE PUMP TYPE OR BAILER:
2"	3/16"	18.7 to 28.7 feet	10.91	PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
=(N/A ft - N/A ft) x N/A gallons/foot = N/A

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= 0 gallons + (0.0014 gallons/foot x 25 feet)+ 0.1 gallons = 0.14

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):
23.7	23.7	08:33	09:34	3.66

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (uS/cm)	OXYGEN (mg/l)	TURBIDITY (NTUs)	COLOR (describe)	ORP (mV)	NOTES:
8:40	0.42	0.42	0.06	10.93	5.51	23.96	16360	2.67	19.90	Clear	87.10	-
8:50	0.60	1.02	0.06	10.93	5.50	23.93	16300	0.39	15.10	Clear	64.20	-
9:00	0.60	1.62	0.06	10.93	5.51	23.98	16230	0.28	10.40	Clear	52.80	-
9:20	1.20	2.82	0.06	10.93	5.51	24.08	16220	0.22	7.67	Clear	45.60	-
9:30	0.60	3.42	0.06	10.93	5.51	24.18	16220	0.20	4.45	Clear	42.90	-
9:32	0.12	3.54	0.06	10.93	5.51	24.24	16210	0.19	4.63	Clear	42.70	-
9:34	0.12	3.66	0.06	10.93	5.51	24.26	16230	0.19	4.42	Clear	42.30	-

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016
PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION:	SAMPLER(S) SIGNATURES:	SAMPLING INITIATED AT:	SAMPLING ENDED AT:
Olivia Hollingsworth/Geosyntec	Olivia Hollingsworth	09:34	09:43

PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE:	FIELD-FILTERED: N Filtration Equipment Type:	FILTER SIZE: N/A	µm
23.7	HDPE		N/A	

FIELD DECONTAMINATION: PUMP N TUBING N DUPLICATE: N

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per min)
CCR-5-20250305	2	HDPE	125 mL	Ice	--	NA	SM4500_Cl_E, 4500_F_C, 375.4	APP	227.12
CCR-5-20250305	1	HDPE	250 mL	Ice	--	NA	2320B, Alkalinity, Bicarbonate	APP	227.12
CCR-5-20250305	1	HDPE	250 mL	Ice	--	NA	2540C_TDS	APP	227.12
CCR-5-20250305	1	HDPE	250 mL	HNO3	--	<2	6010D, 6020B, 7470A	APP	227.12

REMARKS:

MATERIAL CODES: AG = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

NOTES: **1 The above do not constitute all of the information required by Chapter 62-160, F.A.C.**
2 STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
pH: + 0.2 units **Temperature:** + 0.2 oC **Specific Conductance:** + 5% **Dissolved Oxygen:** all readings < 20% saturation (see Table FS 2200-2);
optionally, + 0.2 mg/L or + 10% (whichever is greater) Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME:	Lakeland Electric – C.D. McIntosh Power Plant			SITE LOCATION:	3030 E Lake Parker Dr, Lakeland FL
WELL NO:	CCR-6	SAMPLE ID:	CCR-6-20250304	DATE:	2025-03-04

PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 3/16"	WELL SCREEN INTERVAL DEPTH: 18.6 to 28.6 feet	STATIC DEPTH TO WATER (feet): 9.63	PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable) =(N/A ft - N/A ft) x N/A gallons/foot = N/A

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable) = 0 gallons + (0.0014 gallons/foot x 35 feet)+ 0.1 gallons = 0.15

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 23.6	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 23.6	PURGING INITIATED AT: 09:45	PURGING ENDED AT: 10:09	TOTAL VOLUME PURGED (gallons): 2.4

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (uS/cm)	OXYGEN (mg/l)	TURBIDITY (NTUs)	COLOR (describe)	ORP (mV)	NOTES:
9:50	0.50	0.50	0.1	9.70	6.56	23.57	694	1.97	7.51	Clear	-281.50	-
10:05	1.50	2.00	0.1	9.70	6.60	23.70	795	0.57	4.88	Clear	-287.00	-
10:07	0.20	2.20	0.1	9.70	6.60	23.74	810	0.52	4.63	Clear	-284.70	-
10:09	0.20	2.40	0.1	9.70	6.60	23.77	823	0.48	4.40	Clear	-286.70	-

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016
PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION:	SAMPLER(S) SIGNATURES:	SAMPLING INITIATED AT:	SAMPLING ENDED AT:
Rik Mathias/Geosyntec	Rik Mathias	10:12	10:17

PUMP OR TUBING DEPTH IN WELL (feet): 23.6	TUBING MATERIAL CODE: HDPE	FIELD-FILTERED: N Filtration Equipment Type:	FILTER SIZE: N/A µm

FIELD DECONTAMINATION: PUMP N TUBING N DUPLICATE: N

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per min)
CCR-6-20250304	2	HDPE	125 mL	Ice	--	NA	SM4500_Cl_E, 4500_F_C, 375.4	APP	378.54
CCR-6-20250304	1	HDPE	250 mL	Ice	--	NA	2320B, Alkalinity, Bicarbonate	APP	378.54
CCR-6-20250304	1	HDPE	250 mL	Ice	--	NA	2540C_TDS	APP	378.54
CCR-6-20250304	1	HDPE	250 mL	HNO3	--	<2	6010D, 6020B, 7470A	APP	378.54

REMARKS:

MATERIAL CODES: AG = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)
SAMPLING EQUIPMENT CODES: **APP** = After Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

NOTES: **1 The above do not constitute all of the information required by Chapter 62-160, F.A.C.**
2 STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
pH: + 0.2 units **Temperature:** + 0.2 oC **Specific Conductance:** + 5% **Dissolved Oxygen:** all readings < 20% saturation (see Table FS 2200-2);
optionally, + 0.2 mg/L or + 10% (whichever is greater) Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME:	Lakeland Electric – C.D. McIntosh Power Plant			SITE LOCATION:	3030 E Lake Parker Dr, Lakeland FL
WELL NO:	CCR-7	SAMPLE ID:	CCR-7-20250304	DATE:	2025-03-04

PURGING DATA

WELL DIAMETER (inches):	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL	STATIC DEPTH TO WATER (feet):	PURGE PUMP TYPE OR BAILER:
2"	3/16"	DEPTH: 18.7 to 28.8 feet	9.83	PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
=(N/A ft - N/A ft) x N/A gallons/foot = N/A

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= N/A gallons + (0.0014 gallons/foot x 30 feet)+ 0.1 gallons = .142

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):
23.7	23.7	10:44		3.1

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (uS/cm)	OXYGEN (mg/l)	TURBIDITY (NTUs)	COLOR (describe)	ORP (mV)	NOTES:
10:49	0.50	0.50	0.1	9.89	5.51	23.65	349	0.75	18.00	Clear	-259.60	-
11:04	1.50	2.00	0.1	9.89	5.53	23.66	346	0.24	4.63	Clear	-274.20	-
11:06	0.20	2.20	0.1	9.89	5.54	23.68	345	0.23	6.24	Clear	-271.90	-
11:15	0.90	3.10	0.1	9.89	5.55	23.67	342	0.23	3.72	Clear	-266.90	-

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016
PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION:	SAMPLER(S) SIGNATURES:	SAMPLING INITIATED AT:	SAMPLING ENDED AT:
Rik Mathias/Geosyntec	Rik Mathias	11:18	11:25

PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE:	FIELD-FILTERED: N Filtration Equipment Type:	FILTER SIZE: N/A µm
23.7	HDPE		N/A

FIELD DECONTAMINATION: PUMP N TUBING N DUPLICATE: N

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per min)
CCR-7-20250304	2	HDPE	125 mL	Ice	--	NA	SM4500_Cl_E, 4500_F_C, 375.4	APP	378.54
CCR-7-20250304	1	HDPE	250 mL	Ice	--	NA	2320B, Alkalinity, Bicarbonate	APP	378.54
CCR-7-20250304	1	HDPE	250 mL	Ice	--	NA	2540C_TDS	APP	378.54
CCR-7-20250304	1	HDPE	250 mL	HNO3	--	<2	6010D, 6020B, 7470A	APP	378.54

REMARKS:

MATERIAL CODES: AG = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)
SAMPLING EQUIPMENT CODES: **APP** = After Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

NOTES: 1 **The above do not constitute all of the information required by Chapter 62-160, F.A.C.**
2 STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
pH: + 0.2 units **Temperature:** + 0.2 oC **Specific Conductance:** + 5% **Dissolved Oxygen:** all readings < 20% saturation (see Table FS 2200-2); **optionally, + 0.2 mg/L or + 10% (whichever is greater) Turbidity:** all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME:	Lakeland Electric – C.D. McIntosh Power Plant			SITE LOCATION:	3030 E Lake Parker Dr, Lakeland FL
WELL NO:	CCR-8	SAMPLE ID:	CCR-8-20250304	DATE:	2025-03-04

PURGING DATA

WELL DIAMETER (inches):	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH:	STATIC DEPTH TO WATER (feet):	PURGE PUMP TYPE OR BAILER:
2"	3/16"	18.7 to 28.7 feet	9.44	PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
=(N/A ft - N/A ft) x N/A gallons/foot = N/A

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= 0 gallons + (0.0014 gallons/foot x 35 feet)+ 0.1 gallons = 0.15

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):
23.7	23.7	14:30		5.7

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (uS/cm)	OXYGEN (mg/l)	TURBIDITY (NTUs)	COLOR (describe)	ORP (mV)	NOTES:
14:35	0.50	0.50	0.1	9.58	6.82	23.43	409	2.75	37.30	Clear	-270.00	-
14:47	1.20	1.70	0.1	9.58	6.86	23.31	412	0.63	12.90	Clear	-281.70	-
15:23	3.60	5.30	0.1	9.58	6.87	23.25	429	0.21	2.30	Clear	-278.30	-
15:25	0.20	5.50	0.1	9.58	6.86	23.28	429	0.21	3.31	Clear	-278.00	-
15:27	0.20	5.70	0.1	9.58	6.87	23.35	430	0.21	3.12	Clear	-277.60	-

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016
PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION:	SAMPLER(S) SIGNATURES:	SAMPLING INITIATED AT:	SAMPLING ENDED AT:
Rik Mathias/Geosyntec	Rik Mathias	15:29	15:33

PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE:	FIELD-FILTERED: N	FILTER SIZE: N/A µm
23.7	HDPE	Filtration Equipment Type: N/A	

FIELD DECONTAMINATION: PUMP N TUBING N DUPLICATE: N

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per min)
CCR-8-20250304	2	HDPE	125	Ice	--	NA	SM4500-Cl, 4500-FL, 375.4	APP	378.54
CCR-8-20250304	1	HDPE	250 mL	HNO3		<2	6010D, 6020B, 7470A	APP	378.54
CCR-8-20250304	1	PP	250 mL	Ice	--	NA	2540C - TDS	APP	378.54

REMARKS:

MATERIAL CODES: AG = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)
SAMPLING EQUIPMENT CODES: **APP** = After Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

NOTES: 1 **The above do not constitute all of the information required by Chapter 62-160, F.A.C.**
2 STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
pH: + 0.2 units **Temperature:** + 0.2 oC **Specific Conductance:** + 5% **Dissolved Oxygen:** all readings < 20% saturation (see Table FS 2200-2); **optionally, + 0.2 mg/L or + 10% (whichever is greater) Turbidity:** all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME:	Lakeland Electric – C.D. McIntosh Power Plant	SITE LOCATION:	3030 E Lake Parker Dr, Lakeland FL
WELL NO:	CCR-9	SAMPLE ID: CCR-9-20250304	DATE: 2025-03-04

PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 3/16"	WELL SCREEN INTERVAL DEPTH: 18.7 to 28.7 feet	STATIC DEPTH TO WATER (feet): 9.49	PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
=(N/A ft - N/A ft) x N/A gallons/foot = N/A

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= 0 gallons + (0.0014 gallons/foot x 25 feet)+ 0.1 gallons = 0.14

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 23.7	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 23.7	PURGING INITIATED AT: 14:28	PURGING ENDED AT: 17:05	TOTAL VOLUME PURGED (gallons): 9.42

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (uS/cm)	OXYGEN (mg/l)	TURBIDITY (NTUs)	COLOR (describe)	ORP (mV)	NOTES:
14:35	0.42	0.42	0.06	9.49	5.12	24.50	4445	0.47	84.80	Clear	-120.70	-
14:55	1.20	1.62	0.06	9.49	5.11	24.38	4497	0.18	30.50	Clear	-121.60	-
15:15	1.20	2.82	0.06	9.49	5.12	24.54	4474	0.13	17.90	Clear	-120.10	-
15:35	1.20	4.02	0.06	9.49	5.12	24.58	4466	0.13	24.40	Clear	-119.20	-
15:55	1.20	5.22	0.06	9.49	5.11	24.59	4480	0.55	23.00	Clear	-119.20	-
16:01	0.36	5.58	0.06	9.49	5.11	24.52	4451	0.69	15.80	Clear	-118.60	-
16:21	1.20	6.78	0.06	9.49	5.12	24.70	4453	0.52	10.00	Clear	-118.10	-
16:41	1.20	7.98	0.06	9.49	5.11	24.32	4443	0.15	7.98	Clear	-116.90	-
16:51	0.60	8.58	0.06	9.49	5.12	24.50	4435	0.13	6.45	Clear	-118.10	-
16:56	0.30	8.88	0.06	9.49	5.11	24.46	4452	0.15	5.20	Clear	-117.60	-
17:01	0.30	9.18	0.06	9.49	5.11	24.37	4437	0.13	4.98	Clear	-117.60	-
17:03	0.12	9.30	0.06	9.49	5.11	24.43	4455	0.14	4.76	Clear	-115.90	-
17:05	0.12	9.42	0.06	9.49	5.11	24.41	4453	0.13	4.32	Clear	-116.40	-

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016
PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION:	SAMPLER(S) SIGNATURES:	SAMPLING INITIATED AT:	SAMPLING ENDED AT:
Olivia Hollingsworth/Geosyntec	*Olivia Hollingsworth*	17:05	17:12

PUMP OR TUBING DEPTH IN WELL (feet): 23.7	TUBING MATERIAL CODE: HDPE	FIELD-FILTERED: N Filtration Equipment Type:	FILTER SIZE: N/A µm

FIELD DECONTAMINATION: PUMP N TUBING N DUPLICATE: N

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per min)
CCR-9-20250304	2	HDPE	125 mL	Ice	--	NA	SM4500_Cl_E, 4500_F_C, 375.4	APP	227.12
CCR-9-20250304	1	HDPE	250 mL	Ice	--	NA	2320B, Alkalinity, Bicarbonate	APP	227.12
CCR-9-20250304	1	HDPE	250 mL	Ice	--	NA	2540C_TDS	APP	227.12
CCR-9-20250304	1	HDPE	250 mL	HNO3	--	<2	6010D, 6020B, 7470A	APP	227.12

REMARKS:

MATERIAL CODES: AG = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

NOTES: 1 **The above do not constitute all of the information required by Chapter 62-160, F.A.C.**
2 STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
pH: + 0.2 units **Temperature:** + 0.2 oC **Specific Conductance:** + 5% **Dissolved Oxygen:** all readings < 20% saturation (see Table FS 2200-2); **optionally, + 0.2 mg/L or + 10% (whichever is greater) Turbidity:** all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME:	Lakeland Electric – C.D. McIntosh Power Plant	SITE LOCATION:	3030 E Lake Parker Dr, Lakeland FL
WELL NO:	CCR-11	SAMPLE ID:	CCR-11-20250305
DATE:	2025-03-05		

PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 3/16"	WELL SCREEN INTERVAL DEPTH: 18.5 to 28.5 feet	STATIC DEPTH TO WATER (feet): 4.63	PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable) =(N/A ft - N/A ft) x N/A gallons/foot = N/A

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable) = 0 gallons + (0.0014 gallons/foot x 25 feet)+ 0.1 gallons = 0.14

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 23.5	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 23.5	PURGING INITIATED AT: 10:07	PURGING ENDED AT: 13:48	TOTAL VOLUME PURGED (gallons): 13.26

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (uS/cm)	OXYGEN (mg/l)	TURBIDITY (NTUs)	COLOR (describe)	ORP (mV)	NOTES:
10:14	0.42	0.42	0.06	4.68	4.68	23.38	5078	1.09	9.42	Clear	-17.70	-
10:34	1.20	1.62	0.06	4.68	4.66	23.45	5033	0.37	8.46	Clear	-86.00	-
10:54	1.20	2.82	0.06	4.68	4.65	23.63	5015	0.34	14.60	Clear	-88.60	-
11:14	1.20	4.02	0.06	4.68	4.64	23.84	5005	0.32	26.90	Clear	-89.00	-
11:34	1.20	5.22	0.06	4.68	4.64	23.90	4979	0.40	17.10	Clear	-89.50	-
11:54	1.20	6.42	0.06	4.68	4.70	23.55	4964	0.32	32.70	Clear	-85.50	-
12:14	1.20	7.62	0.06	4.68	4.64	23.55	4993	0.33	18.70	Clear	-86.90	-
12:34	1.20	8.82	0.06	4.68	4.63	23.55	4981	0.25	12.30	Clear	-86.60	-
12:54	1.20	10.02	0.06	4.68	4.63	23.50	4963	0.24	11.30	Clear	-85.90	-
13:24	1.80	11.82	0.06	4.68	4.62	20.90	4944	0.30	7.92	Clear	-80.50	-
13:44	1.20	13.02	0.06	4.68	4.63	21.81	4923	0.33	4.79	Clear	-82.40	-
13:46	0.12	13.14	0.06	4.68	4.63	21.75	4934	0.34	4.64	Clear	-82.90	-
13:48	0.12	13.26	0.06	4.68	4.63	21.73	4964	0.33	4.25	Clear	-83.00	-

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016
PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION:	SAMPLER(S) SIGNATURES:	SAMPLING INITIATED AT:	SAMPLING ENDED AT:
Olivia Hollingsworth/Geosyntec	Olivia Hollingsworth	13:48	13:59

PUMP OR TUBING DEPTH IN WELL (feet): 23.5	TUBING MATERIAL CODE: HDPE	FIELD-FILTERED: N Filtration Equipment Type:	FILTER SIZE: N/A µm N/A

FIELD DECONTAMINATION: PUMP N TUBING N DUPLICATE: N

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per min)
CCR-11-20250305	2	HDPE	125 mL	Ice	--	NA	SM4500_Cl_E, 4500_F_C, 375.4	APP	227.12
CCR-11-20250305	1	HDPE	250 mL	Ice	--	NA	2320B, Alkalinity, Bicarbonate	APP	227.12
CCR-11-20250305	1	HDPE	250 mL	Ice	--	NA	2540C_TDS	APP	227.12
CCR-11-20250305	1	HDPE	250 mL	HNO3	--	<2	6010D, 6020B, 7470A	APP	227.12

REMARKS:

MATERIAL CODES: AG = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)
SAMPLING EQUIPMENT CODES: **APP** = After Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

NOTES: 1 **The above do not constitute all of the information required by Chapter 62-160, F.A.C.**
2 STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
pH: + 0.2 units **Temperature:** + 0.2 oC **Specific Conductance:** + 5% **Dissolved Oxygen:** all readings < 20% saturation (see Table FS 2200-2); **optionally, + 0.2 mg/L or + 10% (whichever is greater) Turbidity:** all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME:	Lakeland Electric – C.D. McIntosh Power Plant			SITE LOCATION:	3030 E Lake Parker Dr, Lakeland FL
WELL NO:	CCR-12	SAMPLE ID:	CCR-12-20250304	DATE:	2025-03-04

PURGING DATA

WELL	TUBING	WELL SCREEN INTERVAL	STATIC DEPTH TO WATER	PURGE PUMP TYPE
DIAMETER (inches): 2"	DIAMETER (inches): 3/16"	DEPTH: 18.6 to 28.6 feet	(feet): 4.96	OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable) =(N/A ft - N/A ft) x N/A gallons/foot = N/A

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable) = 0 gallons + (0.0014 gallons/foot x 25 feet)+ 0.1 gallons = 0.14

INITIAL PUMP OR TUBING	FINAL PUMP OR TUBING	PURGING	PURGING	TOTAL VOLUME
DEPTH IN WELL (feet): 23.6	DEPTH IN WELL (feet): 23.6	INITIATED AT: 09:37	ENDED AT: 10:00	PURGED (gallons): 1.38

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (uS/cm)	OXYGEN (mg/l)	TURBIDITY (NTUs)	COLOR (describe)	ORP (mV)	NOTES:
9:44	0.42	0.42	0.06	5.17	6.65	22.87	2035	0.47	7.28	Clear	3.50	-
9:54	0.60	1.02	0.06	5.17	6.67	22.87	2168	0.15	3.20	Clear	-110.40	Odor present
9:57	0.18	1.20	0.06	5.17	6.67	22.93	2186	0.15	3.32	Clear	-135.30	-
10:00	0.18	1.38	0.06	5.17	6.67	22.88	2204	0.14	1.78	Clear	-138.40	-

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016
PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION:	SAMPLER(S) SIGNATURES:	SAMPLING INITIATED AT:	SAMPLING ENDED AT:
Olivia Hollingsworth/Geosyntec	*Olivia Hollingsworth*	10:00	10:12

PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE:	FIELD-FILTERED: N	FILTER SIZE:	
23.6	HDPE	Filtration Equipment Type:	N/A	N/A µm

FIELD DECONTAMINATION: PUMP N TUBING N DUPLICATE: N

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per min)
CCR-12-20250304	2	HDPE	125 mL	Ice	--	NA	SM4500_Cl_E, 4500_F_C, 375.4	APP	227.12
CCR-12-20250304	1	HDPE	250 mL	Ice	--	NA	2320B, Alkalinity, Bicarbonate	APP	227.12
CCR-12-20250304	1	HDPE	250 mL	Ice	--	NA	2540C_TDS	APP	227.12
CCR-12-20250304	1	HDPE	250 mL	HNO3	--	<2	6010D, 6020B, 7470A	APP	227.12

REMARKS:

MATERIAL CODES: AG = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)
SAMPLING EQUIPMENT CODES: **APP** = After Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

NOTES: **1 The above do not constitute all of the information required by Chapter 62-160, F.A.C.**
2 STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
pH: + 0.2 units **Temperature:** + 0.2 oC **Specific Conductance:** + 5% **Dissolved Oxygen:** all readings < 20% saturation (see Table FS 2200-2);
optionally, + 0.2 mg/L or + 10% (whichever is greater) Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME:	Lakeland Electric – C.D. McIntosh Power Plant	SITE LOCATION:	3030 E Lake Parker Dr, Lakeland FL
WELL NO:	CCR-13	SAMPLE ID:	CCR-13-20250303
DATE:	2025-03-03		

PURGING DATA

WELL DIAMETER (inches):	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH:	STATIC DEPTH TO WATER (feet):	PURGE PUMP TYPE OR BAILER:
2"	3/16"	18.6 to 28.6 feet	5.46	PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
=(N/A ft - N/A ft) x N/A gallons/foot = N/A

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= 0 gallons + (0.0014 gallons/foot x 25 feet)+ 0.1 gallons = 0.14

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):
23.6	23.6	13:56	14:49	3.18

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (uS/cm)	OXYGEN (mg/l)	TURBIDITY (NTUs)	COLOR (describe)	ORP (mV)	NOTES:
14:03	0.42	0.42	0.06	5.57	6.00	23.75	2018	0.16	39.30	Clear	-36.60	-
14:23	1.20	1.62	0.06	5.57	5.96	23.74	2019	0.07	3.91	Clear	-81.90	-
14:25	0.12	1.74	0.06	5.57	5.96	23.81	2020	0.08	7.98	Clear	-80.90	-
14:45	1.20	2.94	0.06	5.57	5.92	23.97	2018	0.06	1.52	Clear	-79.60	-
14:47	0.12	3.06	0.06	5.57	5.92	23.94	2020	0.06	1.75	Clear	-83.40	-
14:49	0.12	3.18	0.06	5.57	5.91	23.95	2023	0.07	4.49	Clear	-82.50	-

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016
PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION:	SAMPLER(S) SIGNATURES:	SAMPLING INITIATED AT:	SAMPLING ENDED AT:
Olivia Hollingsworth/Geosyntec	Olivia Hollingsworth	14:49	14:55

PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE:	FIELD-FILTERED: N Filtration Equipment Type:	FILTER SIZE: N/A	µm
23.6	HDPE		N/A	

FIELD DECONTAMINATION: PUMP N TUBING N DUPLICATE: N

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per min)
CCR-13-20250303	2	HDPE	125	Ice	--	NA	SM4500-Cl, 4500-FL, 375.4	APP	227.12
CCR-13-20250303	1	HDPE	250 mL	HNO3		<2	6010D, 6020B, 7470A	APP	227.12
CCR-13-20250303	1	PP	250 mL	Ice	--	NA	2540C - TDS	APP	227.12

REMARKS:

MATERIAL CODES: AG = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

NOTES: 1 **The above do not constitute all of the information required by Chapter 62-160, F.A.C.**
2 STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
pH: + 0.2 units **Temperature:** + 0.2 oC **Specific Conductance:** + 5% **Dissolved Oxygen:** all readings < 20% saturation (see Table FS 2200-2);
optionally, + 0.2 mg/L or + 10% (whichever is greater) Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Lakeland Electric MPP CCR	SITE LOCATION: Lakeland, FL	
WELL NO: ~~CCR-15-20250227~~ ~	SAMPLE ID: CCR-15-20250227	DATE: 2/27/25

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/16	WELL SCREEN INTERVAL DEPTH: 18.5 feet to 28.5 feetBTOC	STATIC DEPTH TO WATER (feet) BTOC: 16.93	PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable)

= (feet – ~ feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable)

= 0 gallons + (0.0014 gallons/foot X ~25 feet) + 0.1 (x3) .405 gallons = gallons

INITIAL PUMP OR TUBING DEPTH (feet) BTOC: ~23.5	FINAL PUMP OR TUBING DEPTH (feet) BTOC: ~23.5	PURGING INITIATED AT: 1418	PURGING ENDED AT: 1509	TOTAL VOLUME PURGED (gallons): 3.06

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP (°C)	COND. (circle units) µmhos/cm or (µS/cm)	DISSOLVED OXYGEN (circle units) (mg/L) or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ORP (mV)
1425	0.42	0.42	0.06	16.96	4.37	26.03	89	0.48	24.9	Clear	38.3
1435	0.6	1.02	0.06	16.96	4.30	25.79	90	0.22	11.0	"	32.2
1445	0.6	1.62	0.06	16.96	4.28	25.85	90	0.19	7.55	"	30.9
1455	0.6	2.22	0.06	16.96	4.26	25.75	91	0.19	5.69	"	30.3
1505	0.6	2.82	0.06	16.96	4.26	25.96	92	0.16	3.37	"	29.5
1507	0.12	2.94	0.06	16.96	4.26	26.02	92	0.14	3.09	"	29.4
1509	0.12	3.06	0.06	16.96	4.26	26.01	93	0.14	3.11	"	29.1
					~						

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88

TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016

PURGING EQUIPMENT CODES: **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **O** = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Olivia Hollingsworth/Geosyntec	SAMPLER(S) SIGNATURE(S): Olivia A Hollingsworth	SAMPLING INITIATED AT: 1509	SAMPLING ENDED AT:
PUMP OR TUBING DEPTH (feet) BTOC: ~23.5	TUBING MATERIAL CODE: HDPE, S	FIELD-FILTERED: Y (N) Filtration Equipment Type: N/A	FILTER SIZE: --- µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N (replaced))	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
(See above	2	HDPE	125ml	Ice	—	N/A	5M4500_Cl-E, 4500 FC, 375.4	APP	200
"	1	"	250ml	Ice	—	N/A	2320B-AK Bicarb		
"	1	"	250ml	Ice	—	N/A	2540C_TDS		
"	1	"	250ml	HNO_3	—	~~N/A~~ <2	6010D, 6020B, 7470A		

REMARKS: # Sampled @ 1509

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **PE** = Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

NOTES: 1. **The above do not constitute all of the information required by Chapter 62-160, F.A.C.**

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Lakeland Electric MPP CCR	SITE LOCATION: Lakeland, FL	
WELL NO: CCR-16	SAMPLE ID: CCR-16 20250227	DATE: 2.27.2025

PURGING DATA

WELL DIAMETER (inches)	TUBING DIAMETER (inches)	WELL SCREEN INTERVAL DEPTH: 18.5 feet to 28.5 feet BTOC	STATIC DEPTH TO WATER (feet) BTOC: 15.48	PURGE PUMP TYPE OR BAILER: P.P.

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (feet – feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (.0014 gallons/foot X 35 feet) + .1 gallons = .15 gallons

INITIAL PUMP OR TUBING DEPTH (feet) BTOC: ~23 (BTOC)	FINAL PUMP OR TUBING DEPTH (feet) BTOC: ~23	PURGING INITIATED AT: 1424	PURGING ENDED AT: 1643	TOTAL VOLUME PURGED (gallons): 13.90

TIME	VOLUME PURGED (gallons)	CUMUL VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP (°C)	COND (circle units) µmhos/cm or (µS/cm)	DISSOLVED OXYGEN (circle units) (mg/L) or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ORP (mV)
1429	.50	.50	.1	15.55	4.28	24.76	6753	0.98	18.2	clear	-225.1
1449	2.00	2.50	.1	15.55	4.25	24.81	6394	0.23	11.8	"	-238.8
1509	2.00	4.50	.1	15.55	4.25	24.83	6177	0.18	7.00	"	-248.8
1549	4.00	8.50	.1	15.55	4.24	24.44	5978	0.28	5.79	"	-227.0
1609	2.00	10.50	.1	15.55	4.23	24.55	5926	0.31	6.96	"	-227.1
1629	2.00	12.50	.1	15.55	4.23	24.44	5886	0.22	5.43	"	-231.6
1641	1.20	13.70	.1	15.55	4.23	24.34	5858	0.20	4.93	"	-234.7
1643	.20	13.90	.1	15.55	4.23	24.33	5855	0.20	3.86	"	-235.8

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016

PURGING EQUIPMENT CODES: **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **O** = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: RIK MATHIAS /Geosyntec	SAMPLER(S) SIGNATURE(S): Rik Mathias	SAMPLING INITIATED AT: 1644	SAMPLING ENDED AT: 1648
PUMP OR TUBING DEPTH (feet) BTOC: ~23 (BTOC)	TUBING MATERIAL CODE: HDPE, S	FIELD-FILTERED: Y (N) Filtration Equipment Type: N/A	FILTER SIZE: --- µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N (replaced))	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
CCR-16 20250227	1	PE	250 ml	NONE	—	—	2320B	APP	~380
|	~~VARIOUS~~ 1	PE	250 ml	HNO_3	—	—	6010D, 6020B, 7470A	|	|
	2	PE	125 ml	NONE	—	—	SM4500		
	1	PE	250 ml	NONE	—	—	2540C TDS		

REMARKS: Sample Time: 1644

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **PE** = Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

NOTES: 1. **The above do not constitute all of the information required by Chapter 62-160, F.A.C.**
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Lakeland Electric MPP CCR	SITE LOCATION: Lakeland, FL	
WELL NO: CCR-17	SAMPLE ID: CCR-17-20250228	DATE: 2-28-2025

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/16	WELL SCREEN INTERVAL DEPTH: 18.4 feet to 28.4 feet BTOC	STATIC DEPTH TO WATER (feet) BTOC: 14.38	PURGE PUMP TYPE OR BAILER: P.P.

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (feet – feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (.0014 gallons/foot X 30 feet) + .1 gallons = 0.14 gallons

INITIAL PUMP OR TUBING DEPTH (feet) BTOC: ~24	FINAL PUMP OR TUBING DEPTH (feet) BTOC: ~24	PURGING INITIATED AT: 0828	PURGING ENDED AT: 0950	TOTAL VOLUME PURGED (gallons): 8.20

TIME	VOLUME PURGED (gallons)	CUMUL VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP (°C)	COND. (circle units) µmhos/cm or (µS/cm)	DISSOLVED OXYGEN (circle units) (mg/L) or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ORP (mV)
0833	.50	.50	.1	14.42	6.76	22.46	887	0.84	57.8	slight cloudy	-249.5
0847	1.40	1.90	.1	14.42	6.63	22.74	770	0.47	22.3	"	-273.5
0916	2.90	4.80	.1	14.42	6.55	22.90	719	0.27	9.84	CLEAR	-272.8
0946	3.00	7.80	.1	14.42	6.53	23.11	714	0.20	4.62	"	-274.1
0948	.20	8.00	.1	14.42	6.53	23.10	715	0.21	4.77	"	-273.3
0950	.20	8.20	.1	14.42	6.52	23.09	712	0.21	4.96	"	-272.2

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016

PURGING EQUIPMENT CODES: **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **O** = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: RIK MATHIAS /Geosyntec	SAMPLER(S) SIGNATURE(S): Rik Mathias	SAMPLING INITIATED AT: 0951	SAMPLING ENDED AT: 0955
PUMP OR TUBING DEPTH (feet) BTOC: ~24 (BTOC)	TUBING MATERIAL CODE: HDPE, S	FIELD-FILTERED: Y (N) Filtration Equipment Type: N/A	FILTER SIZE: ___ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N (replaced))	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
CCR-17-20250228	1	PE	250 ml	NONE	—	—	2320 B	APP	~380
	1	PE	250 ml	HNO_3	—	—	6010 D, 6020 B, 7470 A		
	1	PE	250 ml	NONE	—	—	2540C TDS		
	2	PE	125 ml	NONE	—	—	SM4500		

REMARKS: Sample Time: 0951

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **PE** = Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

NOTES: 1. **The above do not constitute all of the information required by Chapter 62-160, F.A.C.**
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0 2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Lakeland Electric MPP CCR	SITE LOCATION: Lakeland, FL	
WELL NO: CCR-18	SAMPLE ID: CCR-18-20250228	DATE: 2-28-2025

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/16	WELL SCREEN INTERVAL DEPTH 18.5 feet to 28.5 feet BTOC	STATIC DEPTH TO WATER (feet) BTOC: 8.65	PURGE PUMP TYPE OR BAILER: P.P.

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (feet – feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (.0014 gallons/foot X 35 feet) + 1 gallons = .149 gallons

INITIAL PUMP OR TUBING DEPTH (feet) BTOC: ~24 (BTOC)	FINAL PUMP OR TUBING DEPTH (feet) BTOC: ~24	PURGING INITIATED AT: 1023	PURGING ENDED AT: 1048	TOTAL VOLUME PURGED (gallons): 2.50

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or (µS/cm)	DISSOLVED OXYGEN (circle units) (mg/L) or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ORP (mV)
1028	.50	.50	.1	8.74	6.72	22.86	539	0.52	8.10	Clear	-301.5
1044	1.60	2.10	.1	8.74	6.67	23.18	536	0.19	3.70	"	-309.4
1046	.20	2.30	1	8.74	6.67	23.14	536	0.18	3.41	"	-309.5
1048	.20	2.50	1	8.74	6.67	23.14	535	0.18	3.13	"	-309.4

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016

PURGING EQUIPMENT CODES: **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **O** = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Rik Mathias /Geosyntec	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1049	SAMPLING ENDED AT: 1053
PUMP OR TUBING DEPTH (feet) BTOC: ~24 (BTOC)	TUBING MATERIAL CODE: HDPE, S	FIELD-FILTERED: Y (N) Filtration Equipment Type: N/A	FILTER SIZE: ___ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N (replaced))	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
CCR-18-20250228	1	PE	250mL	None	—	~	2320 B	APP	~380
|	1	PE	250mL	HNO_3	—	—	6010D, 6020B, 7470A	|	|
|	1	PE	250 mL	None	—	—	2540C TDS	|	|
|	2	PE	125 mL	None	—	—	SM4500	|	|

REMARKS:
Sample Time: 1049

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **PE** = Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

NOTES: 1. **The above do not constitute all of the information required by Chapter 62-160, F.A.C.**
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Lakeland Electric MPP CCR	SITE LOCATION: Lakeland, FL	
WELL NO: CCR-19	SAMPLE ID: CCR-19-20250228	DATE: 2-28-2025

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/16	WELL SCREEN INTERVAL DEPTH 18.5 feet to 28.5 feet BTOC	STATIC DEPTH TO WATER (feet) BTOC: 4.46 (BTOC)	PURGE PUMP TYPE OR BAILER: P.P.

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (feet – feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (.0014 gallons/foot X 35 feet) + .1 gallons = .149 gallons

INITIAL PUMP OR TUBING DEPTH (feet) BTOC: ~24 (BTOC)	FINAL PUMP OR TUBING DEPTH (feet) BTOC: ~24	PURGING INITIATED AT: 1129	PURGING ENDED AT: 1359	TOTAL VOLUME PURGED (gallons): 15.00

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP (°C)	COND. (circle units) µmhos/cm or (µS/cm)	DISSOLVED OXYGEN (circle units) (mg/L) or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ORP (mV)
1134	.50	.50	.1	4.53	4.85	22.51	5740	0.89	77.7	slight hazy	-276.7
1144	1.00	1.50	.1	4.53	4.86	22.14	5610	0.45	38.8	clear	-277.6
1207	2.30	3.80	.1	4.53	4.87	22.59	5167	0.25	18.9	clear	-283.7
1237	3.00	6.80	.1	4.53	4.83	22.67	5055	0.17	12.2	"	-287.1
1327	5.00	11.80	.1	4.53	4.80	22.87	4975	0.16	6.81	"	-287.2
1357	3.00	14.80	.1	4.53	4.76	22.74	4975	0.20	4.42	"	-286.8
1359	.20	15.00	.1	4.53	4.77	22.76	4970	0.20	4.98	"	-286.9

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016

PURGING EQUIPMENT CODES: **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **O** = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: RIK MATHIAS /Geosyntec	SAMPLER(S) SIGNATURE(S): Rik Mathias	SAMPLING INITIATED AT: 1400	SAMPLING ENDED AT: 1404
PUMP OR TUBING DEPTH (feet) BTOC: ~24 (BTOC)	TUBING MATERIAL CODE: HDPE, S	FIELD-FILTERED: Y (N) Filtration Equipment Type: N/A	FILTER SIZE: ---- µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N (replaced))	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
CCR-19-20280228	1	PE	250ml	NONE	—	—	2320 B	APP	~380
|	1	PE	250ml	HNO_3	—	—	6010D, 6020B, 7470A	|	|
|	1	PE	250ml	NONE	—	—	2540C TDS	|	|
|	2	PE	125ml	NONE	—	—	SM4500	|	|

REMARKS: SAMPLE TIME: 1400

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **PE** = Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

NOTES: 1. **The above do not constitute all of the information required by Chapter 62-160, F.A.C.**
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME:	Lakeland Electric – C.D. McIntosh Power Plant	SITE LOCATION:	3030 E Lake Parker Dr, Lakeland FL
WELL NO:	CCR-20	SAMPLE ID:	CCR-20-20250304
DATE:	2025-03-04		

PURGING DATA

WELL DIAMETER (inches):	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH:	STATIC DEPTH TO WATER (feet):	PURGE PUMP TYPE OR BAILER:
2"	3/16"	18.2 to 28.2 feet	3.7	PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
=(N/A ft - N/A ft) x N/A gallons/foot = N/A

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= 0 gallons + (0.0014 gallons/foot x 25 feet)+ 0.1 gallons = 0.14

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):
23.2	23.2	11:13	14:00	10.02

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (uS/cm)	OXYGEN (mg/l)	TURBIDITY (NTUs)	COLOR (describe)	ORP (mV)	NOTES:
11:20	0.42	0.42	0.06	3.77	5.00	23.16	3700	2.73	36.10	Clear	-131.70	-
11:40	1.20	1.62	0.06	3.77	4.96	23.24	3847	0.63	58.90	Clear	-129.20	-
12:00	1.20	2.82	0.06	3.77	4.94	23.50	3895	0.29	45.20	Clear	-128.70	-
12:20	1.20	4.02	0.06	3.77	4.93	23.95	3905	0.22	27.10	Clear	-128.00	-
12:40	1.20	5.22	0.06	3.77	4.93	23.74	3942	0.20	17.40	Clear	-124.60	-
13:00	1.20	6.42	0.06	3.77	4.93	24.02	3950	0.19	10.50	Clear	-124.70	-
13:20	1.20	7.62	0.06	3.77	4.92	24.31	3928	0.16	7.74	Clear	-126.20	-
13:40	1.20	8.82	0.06	3.77	4.92	24.29	3942	0.17	6.42	Clear	-123.80	-
13:56	0.96	9.78	0.06	3.77	4.91	24.74	3942	0.17	4.99	Clear	-127.90	-
13:58	0.12	9.90	0.06	3.77	4.91	24.78	3947	0.16	4.76	Clear	-126.30	-
14:00	0.12	10.02	0.06	3.77	4.91	24.85	3943	0.16	4.82	Clear	-126.80	-

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016
PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION:	SAMPLER(S) SIGNATURES:	SAMPLING INITIATED AT:	SAMPLING ENDED AT:
Olivia Hollingsworth/Geosyntec	Olivia Hollingsworth	14:00	14:09

PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE:	FIELD-FILTERED: N Filtration Equipment Type:	FILTER SIZE: N/A	µm
23.2	HDPE			

FIELD DECONTAMINATION: PUMP N TUBING N DUPLICATE: N

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per min)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
CCR-20-20250304	2	HDPE	125 mL	Ice	--	NA	SM4500_Cl_E, 4500_F_C, 375.4	APP	227.12
CCR-20-20250304	1	HDPE	250 mL	Ice	--	NA	2320B, Alkalinity, Bicarbonate	APP	227.12
CCR-20-20250304	1	HDPE	250 mL	Ice	--	NA	2540C_TDS	APP	227.12
CCR-20-20250304	1	HDPE	250 mL	HNO3	--	<2	6010D, 6020B, 7470A	APP	227.12

REMARKS:

MATERIAL CODES: AG = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)
SAMPLING EQUIPMENT CODES: **APP** = After Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

NOTES: 1 **The above do not constitute all of the information required by Chapter 62-160, F.A.C.**
2 STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
pH: + 0.2 units **Temperature:** + 0.2 oC **Specific Conductance:** + 5% **Dissolved Oxygen:** all readings < 20% saturation (see Table FS 2200-2);
optionally, + 0.2 mg/L or + 10% (whichever is greater) Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME:	Lakeland Electric – C.D. McIntosh Power Plant	SITE LOCATION:	3030 E Lake Parker Dr, Lakeland FL
WELL NO:	CCR-21	SAMPLE ID:	CCR-21-20250303
DATE:	2025-03-03		

PURGING DATA

WELL DIAMETER (inches):	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH:	STATIC DEPTH TO WATER (feet):	PURGE PUMP TYPE OR BAILER:
2"	3/16"	18.5 to 28.5 feet	4.95	PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable) =(N/A ft - N/A ft) x N/A gallons/foot = N/A

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable) = 0 gallons + (0.0014 gallons/foot x 25 feet)+ 0.1 gallons = 0.14

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):
23.5	23.5	13:18	13:31	0.78

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (uS/cm)	OXYGEN (mg/l)	TURBIDITY (NTUs)	COLOR (describe)	ORP (mV)	NOTES:
13:25	0.42	0.42	0.06	5.04	6.39	22.40	2047	0.54	4.96	Clear	11.00	-
13:27	0.12	0.54	0.06	5.04	6.39	22.52	2057	0.38	2.63	Clear	10.40	-
13:29	0.12	0.66	0.06	5.04	6.39	22.64	2076	0.33	1.63	Clear	10.60	-
13:31	0.12	0.78	0.06	5.04	6.39	22.68	2080	0.28	3.53	Clear	10.20	-

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016
PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION:	SAMPLER(S) SIGNATURES:	SAMPLING INITIATED AT:	SAMPLING ENDED AT:
Olivia Hollingsworth/Geosyntec	Olivia Hollingsworth	13:31	13:40

PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE:	FIELD-FILTERED: N	FILTER SIZE: N/A µm
23.5	HDPE	Filtration Equipment Type: N/A	

FIELD DECONTAMINATION: PUMP N TUBING N DUPLICATE: N

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per min)
CCR-21-20250303	2	HDPE	125 mL	Ice	--	NA	SM4500_Cl_E, 4500_F_C, 375.4	APP	227.12
CCR-21-20250303	1	HDPE	250 mL	Ice	--	NA	2320B, Alkalinity, Bicarbonate	APP	227.12
CCR-21-20250303	1	HDPE	250 mL	Ice	--	NA	2540C_TDS	APP	227.12
CCR-21-20250303	1	HDPE	250 mL	HNO3	--	<2	6010D, 6020B, 7470A	APP	227.12

REMARKS:

MATERIAL CODES: AG = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

NOTES: **1 The above do not constitute all of the information required by Chapter 62-160, F.A.C.**
2 STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
pH: + 0.2 units **Temperature:** + 0.2 oC **Specific Conductance:** + 5% **Dissolved Oxygen:** all readings < 20% saturation (see Table FS 2200-2);
optionally, + 0.2 mg/L or + 10% (whichever is greater) Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME:	Lakeland Electric – C.D. McIntosh Power Plant	SITE LOCATION:	3030 E Lake Parker Dr, Lakeland FL
WELL NO:	CCR-22	SAMPLE ID:	CCR-22-20250228
DATE:	2025-02-28		

PURGING DATA

WELL DIAMETER (inches):	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH:	STATIC DEPTH TO WATER (feet):	PURGE PUMP TYPE OR BAILER:
2"	3/16"	18.6 to 28.6 feet	5.28	PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
=(N/A ft - N/A ft) x N/A gallons/foot = N/A

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= 0 gallons + (0.0014 gallons/foot x 25 feet)+ 0.1 gallons = 0.14

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):
23.6	23.6	13:58	15:34	5.76

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (uS/cm)	OXYGEN (mg/l)	TURBIDITY (NTUs)	COLOR (describe)	ORP (mV)	NOTES:
14:05	0.42	0.42	0.06	6.31	4.26	22.93	2064	0.42	9.36	Clear	-38.00	-
14:15	0.60	1.02	0.06	6.31	4.28	22.91	2073	0.23	5.27	Clear	-37.90	-
14:20	0.30	1.32	0.06	6.31	4.30	22.89	2081	0.17	5.60	Clear	-38.70	-
14:30	0.60	1.92	0.06	6.31	4.31	23.05	2123	0.11	17.10	Clear	-42.00	-
14:50	1.20	3.12	0.06	6.31	4.32	23.08	2174	0.10	12.70	Clear	-37.90	-
15:10	1.20	4.32	0.06	6.31	4.32	23.10	2187	0.10	11.50	Clear	-41.00	-
15:30	1.20	5.52	0.06	6.31	4.35	23.01	2205	0.09	4.89	Clear	-41.20	-
15:32	0.12	5.64	0.06	6.31	4.35	22.98	2202	0.08	4.96	Clear	-41.20	-
15:34	0.12	5.76	0.06	6.31	4.35	22.99	2201	0.09	4.73	Clear	-41.70	-

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016
PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION:	SAMPLER(S) SIGNATURES:	SAMPLING INITIATED AT:	SAMPLING ENDED AT:
Olivia Hollingsworth/Geosyntec	Olivia Hollingsworth	15:34	15:45

PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE:	FIELD-FILTERED: N Filtration Equipment Type:	FILTER SIZE: N/A µm N/A
23.6	HDPE		

FIELD DECONTAMINATION: PUMP N TUBING N DUPLICATE: N

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per min)
CCR-22-20250228	2	HDPE	125 mL	Ice	--	NA	SM4500_Cl_E, 4500_F_C, 375.4	APP	227.12
CCR-22-20250228	1	HDPE	250 mL	Ice	--	NA	2320B, Alkalinity, Bicarbonate	APP	227.12
CCR-22-20250228	1	HDPE	250 mL	Ice	--	NA	2540C_TDS	APP	227.12
CCR-22-20250228	1	HDPE	250 mL	HNO3	--	<2	6010D, 6020B, 7470A	APP	227.12

REMARKS:

MATERIAL CODES: AG = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

NOTES: **1 The above do not constitute all of the information required by Chapter 62-160, F.A.C.**
2 STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
pH: + 0.2 units **Temperature:** + 0.2 oC **Specific Conductance:** + 5% **Dissolved Oxygen:** all readings < 20% saturation (see Table FS 2200-2);
optionally, + 0.2 mg/L or + 10% (whichever is greater) Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME:	Lakeland Electric – C.D. McIntosh Power Plant			SITE LOCATION:	3030 E Lake Parker Dr, Lakeland FL
WELL NO:	CCR-23	SAMPLE ID:	CCR-23-20250228	DATE:	2025-02-28

PURGING DATA

WELL DIAMETER (inches):	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH:	STATIC DEPTH TO WATER (feet):	PURGE PUMP TYPE OR BAILER:
2"	3/16"	15 to 25 feet	4.49	PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
=(N/A ft - N/A ft) x N/A gallons/foot = N/A

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= 0 gallons + (0.0014 gallons/foot x 20 feet)+ 0.1 gallons = 0.13

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallo
20	20	11:46	12:49	3.78

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (uS/cm)	OXYGEN (mg/l)	TURBIDITY (NTUs)	COLOR (describe)	ORP (mV)	NOTES:
11:53	0.42	0.42	0.06	4.69	5.29	23.51	1638	0.24	5.97	Clear	-75.60	-
12:03	0.60	1.02	0.06	4.69	5.30	23.45	1632	0.11	13.70	Clear	-93.00	-
12:23	1.20	2.22	0.06	4.69	5.28	23.69	1629	0.11	12.50	Clear	-96.80	-
12:43	1.20	3.42	0.06	4.69	5.25	23.96	1643	0.09	5.39	Clear	-92.50	-
12:45	0.12	3.54	0.06	4.69	5.25	23.96	1649	0.09	4.92	Clear	-96.00	-
12:47	0.12	3.66	0.06	4.69	5.25	23.97	1650	0.08	4.93	Clear	-95.50	-
12:49	0.12	3.78	0.06	4.69	5.24	23.97	1647	0.07	4.94	Clear	-95.30	-

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016
PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION:	SAMPLER(S) SIGNATURES:	SAMPLING INITIATED AT:	SAMPLING ENDED AT:
Olivia Hollingsworth/Geosyntec	Olivia Hollingsworth	12:49	13:00

PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE:	FIELD-FILTERED: N Filtration Equipment Type:	FILTER SIZE: N/A	µm
20	HDPE		N/A	

FIELD DECONTAMINATION: PUMP N TUBING N DUPLICATE: N

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per min)
CCR-23-20250228	2	HDPE	125 mL	Ice	--	NA	SM4500_Cl_E, 4500_F_C, 375.4	APP	227.12
CCR-23-20250228	1	HDPE	250 mL	Ice	--	NA	2320B, Alkalinity, Bicarbonate	APP	227.12
CCR-23-20250228	1	HDPE	250 mL	Ice	--	NA	2540C_TDS	APP	227.12
CCR-23-20250228	1	HDPE	250 mL	HNO3	--	<2	6010D, 6020B, 7470A	APP	227.12

REMARKS:

MATERIAL CODES: AG = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)
SAMPLING EQUIPMENT CODES: **APP** = After Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

NOTES: **1 The above do not constitute all of the information required by Chapter 62-160, F.A.C.**
2 STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
pH: + 0.2 units **Temperature:** + 0.2 oC **Specific Conductance:** + 5% **Dissolved Oxygen:** all readings < 20% saturation (see Table FS 2200-2); **optionally, + 0.2 mg/L or + 10% (whichever is greater) Turbidity:** all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Lakeland Electric – C.D. McIntosh Power Plant		SITE LOCATION: 3030 E Lake Parker Dr, Lakeland FL	
WELL NO: SW-106	SAMPLE ID: SW-106-20250303		DATE: 2025-03-03

PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 3/16"	WELL SCREEN INTERVAL DEPTH: 18.4 to 28.4 feet	STATIC DEPTH TO WATER (feet): 9.38	PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable) =(N/A ft - N/A ft) x N/A gallons/foot = N/A

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable) = 0.1 gallons + (0.0014 gallons/foot x 35 feet)+ 0.1 gallons = 0.25

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 23	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 23	PURGING INITIATED AT: 13:03	PURGING ENDED AT: 15:46	TOTAL VOLUME PURGED (gallons): 16.1

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (^{O}C)	COND. (uS/cm)	OXYGEN (mg/l)	TURBIDITY (NTUs)	COLOR (describe)	ORP (mV)	NOTES:
13:09	0.60	0.60	0.1	9.52	6.33	21.60	126	2.79	40.30	Slight cloudy	-107.60	-
13:32	2.30	2.90	0.1	9.52	6.03	21.55	108	0.97	23.90	Clear	-198.80	-
13:53	2.10	5.00	0.1	9.52	5.94	21.55	101	0.68	14.90	Clear	-218.10	-
14:25	3.20	8.20	0.1	9.52	5.88	21.65	94	0.44	10.90	Clear	-230.20	-
14:55	3.00	11.20	0.1	9.52	5.83	21.64	92	0.38	10.20	Clear	-231.50	-
15:39	4.40	15.60	0.1	9.52	5.82	21.60	91	0.32	8.55	Clear	-229.40	-
15:41	0.20	15.80	0.1	9.52	5.82	21.59	91	0.32	7.16	Clear	-227.80	-
15:44	0.30	16.10	0.1	9.52	5.81	21.55	91	0.32	6.86	Clear	-226.90	-

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016
PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION:	SAMPLER(S) SIGNATURES:	SAMPLING INITIATED AT: 15:47	SAMPLING ENDED AT: 15:52
Rik Mathias/Geosyntec	Rik Mathias		

PUMP OR TUBING DEPTH IN WELL (feet): 23	TUBING MATERIAL CODE: HDPE	FIELD-FILTERED: N Filtration Equipment Type:	FILTER SIZE: N/A µm

FIELD DECONTAMINATION: PUMP N TUBING N DUPLICATE: N

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per min)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
SW-106-20250303	2	HDPE	125 mL	Ice	--	NA	SM4500_Cl_E, 4500_F_C, 375.4	APP	378.54
SW-106-20250303	1	HDPE	250 mL	Ice	--	NA	2320B, Alkalinity, Bicarbonate	APP	378.54
SW-106-20250303	1	HDPE	250 mL	Ice	--	NA	2540C_TDS	APP	378.54
SW-106-20250303	1	HDPE	250 mL	HNO3	--	<2	6010D, 6020B, 7470A	APP	378.54

REMARKS:

MATERIAL CODES: AG = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

NOTES: **1 The above do not constitute all of the information required by Chapter 62-160, F.A.C.**
2 STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
pH: + 0.2 units **Temperature:** + 0.2 oC **Specific Conductance:** + 5% **Dissolved Oxygen:** all readings < 20% saturation (see Table FS 2200-2);
optionally, + 0.2 mg/L or + 10% (whichever is greater) Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME:	Lakeland Electric – C.D. McIntosh Power Plant	SITE LOCATION:	3030 E Lake Parker Dr, Lakeland FL
WELL NO:	EQB-1	SAMPLE ID:	EB-01-20250304
DATE:	2025-03-04		

PURGING DATA

WELL DIAMETER (inches):	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH:	STATIC DEPTH TO WATER (feet):	PURGE PUMP TYPE OR BAILER:
N/A	3/16"	N/A	-1	PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
=(N/A ft - N/A ft) x N/A gallons/foot = N/A

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (0.0014 gallons/foot x N/A feet)+ gallons =

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallo
N/A	N/A	N/A	N/A	N/A

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (uS/cm)	OXYGEN (mg/l)	TURBIDITY (NTUs)	COLOR (describe)	ORP (mV)	NOTES:
10:27	-	-	-	-	8.17	21.23	236	7.47	1.34	Clear	-20.30	-

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016
PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION:	SAMPLER(S) SIGNATURES:	SAMPLING INITIATED AT:	SAMPLING ENDED AT:
Olivia Hollingsworth/Geosyntec	Olivia Hollingsworth	10:27	10:37

PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE:	FIELD-FILTERED: N Filtration Equipment Type:	FILTER SIZE: N/A	µm
N/A	HDPE			

FIELD DECONTAMINATION: PUMP N TUBING N DUPLICATE: N

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per min)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
EB-01-20250304	2	HDPE	125 mL	Ice	--	NA	SM4500_Cl_E, 4500_F_C, 375.4	APP	
EB-01-20250304	1	HDPE	250 mL	Ice	--	NA	2320B, Alkalinity, Bicarbonate	APP	
EB-01-20250304	1	HDPE	250 mL	Ice	--	NA	2540C_TDS	APP	
EB-01-20250304	1	HDPE	250 mL	HNO3	--	<2	6010D, 6020B, 7470A	APP	

REMARKS:

MATERIAL CODES: AG = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

NOTES: 1 **The above do not constitute all of the information required by Chapter 62-160, F.A.C.**
2 STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
pH: + 0.2 units **Temperature:** + 0.2 oC **Specific Conductance:** + 5% **Dissolved Oxygen:** all readings < 20% saturation (see Table FS 2200-2);
optionally, + 0.2 mg/L or + 10% (whichever is greater) Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME:	Lakeland Electric – C.D. McIntosh Power Plant	SITE LOCATION:	3030 E Lake Parker Dr, Lakeland FL
WELL NO:	Fishlake	SAMPLE ID: Fishlake-20250303	DATE: 2025-03-03

PURGING DATA

WELL DIAMETER (inches):	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH:	ELEVATION OF WATER SURFACE (NAVD88) (feet):	PURGE PUMP TYPE OR BAILER:
N/A	N/A	0 to 0 feet	133.38	PP

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)

= N/A gallons + (N/A gallons/foot x N/A feet)+ N/A gallons = N/A

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallo
N/A	N/A	09:34	09:35	N/A

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	ELEVATION OF WATER SURFACE (NAVD88)(FT)	pH (standard units)	TEMP. (°C)	COND. (uS/cm)	OXYGEN (mg/l)	TURBIDITY (NTUs)	COLOR (describe)	ORP (mV)	NOTES:
9:34	-	-	-	133.38	8.24	17.94	731	6.65	23.50	Clear	-153.90	-

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016
PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION:	SAMPLER(S) SIGNATURES:	SAMPLING INITIATED AT:	SAMPLING ENDED AT:
Rick Mathias/Geosyntec	Rick Mathias	09:35	09:38

PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE:	FIELD-FILTERED: N Filtration Equipment Type:	FILTER SIZE: N/A	µm
N/A	HDPE		N/A	

FIELD DECONTAMINATION: PUMP N TUBING N DUPLICATE: N

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per min)
Fishlake-20250303	2	HDPE	125 mL	Ice	--	NA	SM4500_Cl_E, 4500_F_C, 375.4	APP	<400 mL
Fishlake-20250303	1	HDPE	250 mL	Ice	--	NA	2320B, Alkalinity, Bicarbonate	APP	<400 mL
Fishlake-20250303	1	HDPE	250 mL	Ice	--	NA	2540C_TDS	APP	<400 mL
Fishlake-20250303	1	HDPE	250 mL	HNO3	--	<2	6010D, 6020B, 7470A	APP	<400 mL

REMARKS:

MATERIAL CODES: AG = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

NOTES: **1 The above do not constitute all of the information required by Chapter 62-160, F.A.C.**
2 STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
pH: + 0.2 units **Temperature:** + 0.2 oC **Specific Conductance:** + 5% **Dissolved Oxygen:** all readings < 20% saturation (see Table FS 2200-2); **optionally, + 0.2 mg/L or + 10% (whichever is greater) Turbidity:** all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME:	Lakeland Electric – C.D. McIntosh Power Plant	SITE LOCATION:	3030 E Lake Parker Dr, Lakeland FL
WELL NO:	LakeD	SAMPLE ID: LakeD-20250303	DATE: 2025-03-03

PURGING DATA

WELL DIAMETER (inches): N/A	TUBING DIAMETER (inches): N/A	WELL SCREEN INTERVAL DEPTH: 0 to 0 feet	ELEVATION OF WATER SURFACE (NAVD88) (feet): 124.21	PURGE PUMP TYPE OR BAILER: PP

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable) = N/A gallons + (N/A gallons/foot x N/A feet)+ N/A gallons = N/A

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): N/A	FINAL PUMP OR TUBING DEPTH IN WELL (feet): N/A	PURGING INITIATED AT: 08:59	PURGING ENDED AT: 09:00	TOTAL VOLUME PURGED (gallo N/A

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	ELEVATION OF WATER SURFACE (NAVD88)(FT)	pH (standard units)	TEMP. (°C)	COND. (uS/cm)	OXYGEN (mg/l)	TURBIDITY (NTUs)	COLOR (describe)	ORP (mV)	NOTES:
8:59	-	-	-	124.21	6.46	17.01	567	1.68	4.97	Clear	-253.30	-

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016
PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION:	SAMPLER(S) SIGNATURES:	SAMPLING INITIATED AT:	SAMPLING ENDED AT:
Olivia Hollingsworth/Geosyntec	Olivia Hollingsworth	09:00	09:03

PUMP OR TUBING DEPTH IN WELL (feet): N/A	TUBING MATERIAL CODE: HDPE	FIELD-FILTERED: N Filtration Equipment Type:	FILTER SIZE: N/A	µm

FIELD DECONTAMINATION: PUMP N TUBING N DUPLICATE: N

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per min)
LakeD-20250303	2	HDPE	125 mL	Ice	--	NA	SM4500_Cl_E, 4500_F_C, 375.4	APP	<400 mL
LakeD-20250303	1	HDPE	250 mL	Ice	--	NA	2320B, Alkalinity, Bicarbonate	APP	<400 mL
LakeD-20250303	1	HDPE	250 mL	Ice	--	NA	2540C_TDS	APP	<400 mL
LakeD-20250303	1	HDPE	250 mL	HNO3	--	<2	6010D, 6020B, 7470A	APP	<400 mL

REMARKS:

MATERIAL CODES: AG = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)
SAMPLING EQUIPMENT CODES: **APP** = After Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

NOTES: **1 The above do not constitute all of the information required by Chapter 62-160, F.A.C.**
2 STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
pH: + 0.2 units **Temperature:** + 0.2 oC **Specific Conductance:** + 5% **Dissolved Oxygen:** all readings < 20% saturation (see Table FS 2200-2); **optionally, + 0.2 mg/L or + 10% (whichever is greater) Turbidity:** all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

Form FD9000-8 CALIBRATION LOG (FDEP SOP FT 1000-FT 1500, FD 1000-FD 4000)

Geosyntec Consultants

Water Quality Instrument Calibration Form

Project/Site: Leland Electric Project #: FR3715K/01/****/ Field Personnel: Olivia Hollingsworth

Water Quality Meter - Model/Serial#: 2/26 YSI 556 / 09F100228 / 16A101329 2/27 or Turbidimeter - Model/Serial#: HACH 2100Q / [illegible]

Dissolved Oxygen	DEP SOP FT 1500	Date	Time	Temp (°C)	Saturation (mg/L)[1]	Reading (mg/L)	Reading (%)	Pass or Fail
						Acceptance Criteria: +/-0.3 mg/L		
CAL (ICV) CCV		2/26/25	0753	15.52	9.98	9.98	100.0	P F
CAL (ICV) (CCV)		2/27/25	0833	10.21	9.06	9.06	100.1	P F
CAL ICV CCV								P F
CAL ICV CCV								P F

Specific Conductance	DEP SOP FT 1200	Date	Time	Standard (mS/cm)	Standard Lot #	Standard Exp. Date	Reading (mS/cm)	Pass or Fail
						Acceptance Criteria: +/- 5%		
CAL (ICV) CCV		2/26/25	0752	1.413	46J0055	10/25	1.413	P F
CAL (ICV) (CCV)		2/27/25	0836	1.413	46J0098	10/25	1.413	P F
CAL ICV CCV								P F
CAL ICV CCV								P F
CAL ICV CCV								P F
CAL ICV CCV								P F

pH	DEP SOP FT 1100	Date	Time	Standard (SU)	Standard Lot #	Standard Exp. Date	Reading (SU)	Pass or Fail
						Acceptance Criteria: +/- 0.2 SU		
CAL (ICV) CCV		2/26/25	0801	4.00	46I1219	9/26	4.00	P F
CAL (ICV) CCV		2/27/25	0843	4.00	46I1219	9/26	4.00	P F
CAL (ICV) CCV		2/26/25	0807	7.00	46I0918	9/26	6.98	P F
CAL (ICV) CCV		2/27/25	0846	7.00	46I0918	9/26	7.00	P F
CAL (ICV) CCV		2/26/25	0814	10.06	46I0913	9/26	10.00	P F
CAL (ICV) CCV		2/27/25	0848	10.00	46I0913	9/26	10.00	P F

ORP	SOP N/A	Date	Time	Std. mV @ Temp °C	Standard Lot #	Standard Exp. Date	Reading (mV)	Pass or Fail
						Geosyntec Acceptance Criteria: +/- 5%		
CAL (ICV) CCV		2/26/25	0811	240 @ 25°C	46H0332	5/25	240.0	P F
CAL (4CV) CCV		2/27/25	0852	"	"	5/25	240.0	P F
CAL ICV CCV								P F
CAL ICV CCV								P F

Specific Conductance Probe Cleaned? Yes No Dissolved Oxygen Membrane Changed? Yes No

0.1 - 10 NTU Std 10 NTU	Date	Reading (NTU)	Pass or Fail
		Acceptance Criteria: +/- 10%	
CAL (ICV) CCV	2/26/25	10.5	P F
CAL ICV (CCV)	2/27/25	10.9	P F
CAL ICV CCV			P F
CAL ICV CCV			P F

11 - 40 NTU Std 20 NTU	Date	Reading (NTU)	Pass or Fail
		Acceptance Criteria: +/- 8%	
CAL (ICV) CCV	2/26/25	20.9	P F
CAL ICV (CCV)	2/27/25	20.5	P F
CAL ICV CCV			P F
CAL ICV CCV			P F
CAL ICV CCV			P F
CAL ICV CCV			P F

41 - 100 NTU Std 100 NTU	Date	Reading (NTU)	Pass or Fail
		Acceptance Criteria: +/- 6.5%	
CAL (ICV) CCV	2/26/25	101	P F
CAL ICV (CCV)	2/27/25	101	P F
CAL ICV CCV			P F
CAL ICV CCV			P F
CAL ICV CCV			P F
CAL ICV CCV			P F

>100 NTU Std 800 NTU	Date	Reading (NTU)	Pass or Fail
		Acceptance Criteria: +/- 5%	
CAL (ICV) CCV	2/26/25	799	P F
CAL ICV (CCV)	2/27/25	809	P F
CAL ICV CCV			P F
CAL ICV CCV			P F

1. See Table FS 2200-2 on the back of this form

CAL - Initial Calibration

ICV - Initial Calibration Verification

CCV - Continuing Calibration Verification

Allow adequate time for the dissolved oxygen sensor to equilibrate during air calibration

Calibrate specific conductance using at least two standards that bracket the range of expected sample readings (unless readings <0.1 mS/cm is acceptable)

Calibrate pH using at least two standards (typ. pH 4 and 7) that bracket the range of expected sample readings; always start with pH 7; add a third calibration point if needed (i.e. pH > 7)

If parameter fails to calibrate within SOP acceptance criteria then append sample results with a "J" qualifier

Comments:

Geosyntec consultants

Form FD9000-8 CALIBRATION LOG (FDEP SOP FT 1000-FT 1500, FD 1000-FD 4000)

Geosyntec Consultants

Water Quality Instrument Calibration Form

Project/Site: FR3715K Project #: FR3715K/01/****/ Field Personnel: Olivia Hollingsworth

Water Quality Meter - Model/Serial#: YSI 556 / 09F100228 16A101329 Turbidimeter - Model/Serial#: HACH 2100Q / 20070D000226

Dissolved Oxygen	DEP SOP FT 1500	Date	Time	Temp (°C)	Saturation (mg/L)[1]	Reading (mg/L)	Reading (%)	Pass or Fail
						Acceptance Criteria: +/-0.3 mg/L		
CAL ICV (CCV)		2/28/25	0751	17.44	9.58	9.58	100.0	(P) F
CAL ICV (CCV)		"	1554	23.61	8.48	8.37	98.8	(P) F
CAL ICV CCV								P F
CAL ICV CCV								P F

Specific Conductance	DEP SOP FT 1200	Date	Time	Standard (mS/cm)	Standard Lot #	Standard Exp. Date	Reading (mS/cm)	Pass or Fail
						Acceptance Criteria: +/- 5%		
CAL ICV (CCV)		2/28/25	0759	1.413	4GJ0088	1025	1.412	(P) F
CAL ICV (CCV)		"	1557	"	"	"	1.419	(P) F
CAL ICV CCV								P F
CAL ICV CCV								P F
CAL ICV CCV								P F
CAL ICV CCV								P F

pH	DEP SOP FT 1100	Date	Time	Standard (SU)	Standard Lot #	Standard Exp. Date	Reading (SU)	Pass or Fail
						Acceptance Criteria: +/- 0.2 SU		
CAL ICV (CCV)		2/28/25	0803	4.00	4GJ1219	9/26	3.99	(P) F
CAL ICV (CCV)		"	1600	"	"	"	3.99	(P) F
CAL ICV (CCV)		2/28/25	0806	7.00	4GD0915	"	7.00	(P) F
CAL ICV (CCV)		"	1603	"	"	"	6.94	(P) F
CAL ICV (CCV)		2/28/25	0809	10.00	4GJ0918	"	10.00	(P) F
CAL ICV (CCV)		"	1606	"	"	"	9.91	(P) F

ORP	SOP N/A	Date	Time	Std. mV @ Temp °C	Standard Lot #	Standard Exp. Date	Reading (mV)	Pass or Fail
						Geosyntec Acceptance Criteria: +/- 5%		
CAL ICV (CCV)		2/28/25	0812	240@25°C	4GH0332	5/28	240.0	(P) F
CAL ICV (CCV)		"	1610	"	"	"	228	(P) F
CAL ICV CCV								P F
CAL ICV CCV								P F

Specific Conductance Probe Cleaned? Yes (No) Dissolved Oxygen Membrane Changed? Yes (No)

0.1 - 10 NTU Std 1.0 NTU	Date	Reading (NTU)	Pass or Fail
		Acceptance Criteria: +/- 10%	
CAL ICV (CCV)	2/28/25	10.8	(P) F
CAL ICV (CCV)	"	10.2	(P) F
CAL ICV CCV			P F
CAL ICV CCV			P F

11 - 40 NTU Std 10 NTU	Date	Reading (NTU)	Pass or Fail
		Acceptance Criteria: +/- 8%	
CAL ICV (CCV)	2/28/25	10.8	(P) F
CAL ICV (CCV)	"	11.2	(P) F
CAL ICV CCV			P F
CAL ICV CCV			P F
CAL ICV CCV			P F
CAL ICV CCV			P F

41 - 100 NTU Std 100 NTU	Date	Reading (NTU)	Pass or Fail
		Acceptance Criteria: +/- 6.5%	
CAL ICV (CCV)	2/28/25	102	(P) F
CAL ICV (CCV)	"	99.9	(P) F
CAL ICV CCV			P F
CAL ICV CCV			P F
CAL ICV CCV			P F
CAL ICV CCV			P F

>100 NTU Std 800 NTU	Date	Reading (NTU)	Pass or Fail
		Acceptance Criteria: +/- 5%	
CAL ICV (CCV)	2/28/25	824	(P) F
CAL ICV (CCV)	"	816	(P) F
CAL ICV CCV			P F
CAL ICV CCV			P F

1. See Table FS 2200-2 on the back of this form

CAL - Initial Calibration

ICV - Initial Calibration Verification

CCV - Continuing Calibration Verification

Allow adequate time for the dissolved oxygen sensor to equilibrate during air calibration

Calibrate specific conductance using at least two standards that bracket the range of expected sample readings (unless readings <0.1 mS/cm is acceptable)

Calibrate pH using at least two standards (typ. pH 4 and 7) that bracket the range of expected sample readings; always start with pH 7; add a third calibration point if needed (i.e. pH > 7)

If parameter fails to calibrate within SOP acceptance criteria then append sample results with a "J" qualifier

Comments:

Geosyntec consultants

Form FD9000-8 CALIBRATION LOG (FDEP SOP FT 1000-FT 1500, FD 1000-FD 4000)

Geosyntec Consultants

Water Quality Instrument Calibration Form

Project/Site: FR3715K Project #: FR3715K/01/****/ Field Personnel: Olivia Holling Swann

Water Quality Meter - Model/Serial#: YST 556 / 16A101329 Turbidimeter - Model/Serial#: HACH 2100Q / 20070D000226

Dissolved Oxygen	DEP SOP FT 1500	Date	Time	Temp (°C)	Saturation (mg/L)[1]	Reading (mg/L)	Reading (%)	Pass or Fail
						Acceptance Criteria: +/-0.3 mg/L		
CAL ICV CCV		3/3/25	0747	16.29	9.81	9.81	100.0	P F
CAL ICV CCV		3/4/25	0751	19.19	9.24	9.24	99.9	P F
CAL ICV CCV								P F
CAL ICV CCV								P F

Specific Conductance	DEP SOP FT 1200	Date	Time	Standard (mS/cm)	Standard Lot #	Standard Exp. Date	Reading (mS/cm)	Pass or Fail
						Acceptance Criteria: +/- 5%		
CAL ICV CCV		3/3/25	0805	1.413	4GJ0655	10/25	1.413	P F
CAL ICV CCV		3/4/25	0803	〃	〃	〃	1.411	P F
CAL ICV CCV								P F
CAL ICV CCV								P F
CAL ICV CCV								P F
CAL ICV CCV								P F

pH	DEP SOP FT 1100	Date	Time	Standard (SU)	Standard Lot #	Standard Exp. Date	Reading (SU)	Pass or Fail
						Acceptance Criteria: +/- 0.2 SU		
CAL ICV CCV		3/3/25	0808	4.00	4GI1219	9/26	4.01	P F
CAL ICV CCV		3/4/25	0806	〃	〃		3.99	P F
CAL ICV CCV		3/3/25	0811	7.00	4GI0915		7.00	P F
CAL ICV CCV		3/4/25	0810	〃	〃		7.00	P F
CAL ICV CCV		3/3/25	0814	10.00	4GI0913		10.00	P F
CAL ICV CCV		3/4/25	0814	〃	〃		10.00	P F

ORP	SOP N/A	Date	Time	Std. mV @ Temp °C	Standard Lot #	Standard Exp. Date	Reading (mV)	Pass or Fail
						Geosyntec Acceptance Criteria: +/- 5%		
CAL ICV CCV		3/3/25	0817	240 @ 25°C	4GH0332	5/25	240.0	P F
CAL ICV CCV		3/4/25	0817	〃	〃	〃	240.0	P F
CAL ICV CCV								P F
CAL ICV CCV								P F

0.1 - 10 NTU Std 10 NTU	Date	Reading (NTU)	Pass or Fail
	Acceptance Criteria: +/- 10%		
CAL ICV CCV	3/3/25	10.3	P F
CAL ICV CCV	3/4/25	10.4	P F
CAL ICV CCV			P F
CAL ICV CCV			P F

11 - 40 NTU Std 20 NTU	Date	Reading (NTU)	Pass or Fail
	Acceptance Criteria: +/- 8%		
CAL ICV CCV	3/3/25	20.4	P F
CAL ICV CCV	3/4/25	20.9	P F
CAL ICV CCV			P F
CAL ICV CCV			P F
CAL ICV CCV			P F
CAL ICV CCV			P F

41 - 100 NTU Std 100 NTU	Date	Reading (NTU)	Pass or Fail
	Acceptance Criteria: +/- 6.5%		
CAL ICV CCV	3/3/25	99.5	P F
CAL ICV CCV	3/4/25	102	P F
CAL ICV CCV			P F
CAL ICV CCV			P F
CAL ICV CCV			P F
CAL ICV CCV			P F

>100 NTU Std 500 NTU	Date	Reading (NTU)	Pass or Fail
	Acceptance Criteria: +/- 5%		
CAL ICV CCV	3/3/25	817	P F
CAL ICV CCV	3/4/25	821	P F
CAL ICV CCV			P F
CAL ICV CCV			P F

Specific Conductance Probe Cleaned? Yes (No) Dissolved Oxygen Membrane Changed? Yes (No)

1. See Table FS 2200-2 on the back of this form

CAL - Initial Calibration

ICV - Initial Calibration Verification

CCV - Continuing Calibration Verification

Allow adequate time for the dissolved oxygen sensor to equilibrate during air calibration

Calibrate specific conductance using at least two standards that bracket the range of expected sample readings (unless readings <0 1 mS/cm is acceptable)

Calibrate pH using at least two standards (typ. pH 4 and 7) that bracket the range of expected sample readings; always start with pH 7; add a third calibration point if needed (i.e. pH > 7)

If parameter fails to calibrate within SOP acceptance criteria then append sample results with a "J" qualifier

Comments:

Geosyntec consultants

Form FD9000-8 CALIBRATION LOG (FDEP SOP FT 1000-FT 1500, FD 1000-FD 4000)

Geosyntec Consultants

Water Quality Instrument Calibration Form

Project/Site: FL3715 K, Istokpoga Electric Project #: FR3715K/01/****/ Field Personnel: Olivia Hollingsworth

Water Quality Meter - Model/Serial#: YSI 5561 16A104329 Turbidimeter - Model/Serial#: HACH 2100Q/20070D000226

Dissolved Oxygen	DEP SOP FT 1500	Date	Time	Temp (°C)	Saturation (mg/L)[1]	Reading (mg/L)	Reading (%)	Pass or Fail
						Acceptance Criteria: +/-0.3 mg/L		
CAL ICV (CCV)		3/5/25	0805	22.82	8.61	8.61	100	(P) F
CAL ICV (CCV)		"	1402	19.22	9.24	9.33	101	(P) F
CAL ICV CCV								P F
CAL ICV CCV								P F

Specific Conductance	DEP SOP FT 1200	Date	Time	Standard (mS/cm)	Standard Lot #	Standard Exp. Date	Reading (mS/cm)	Pass or Fail
						Acceptance Criteria: +/- 5%		
CAL ICV (CCV)		3/5/25	0808	1.413	4GJ0055	10/25	1.411	(P) F
CAL ICV (CCV)		"	1408	"	"	"	1.439	(P) F
CAL ICV CCV								P F
CAL ICV CCV								P F
CAL ICV CCV								P F
CAL ICV CCV								P F

pH	DEP SOP FT 1100	Date	Time	Standard (SU)	Standard Lot #	Standard Exp. Date	Reading (SU)	Pass or Fail
						Acceptance Criteria: +/- 0.2 SU		
CAL ICV (CCV)		3/5/25	0812	4.00	4GI1219	9/26	3.99	(P) F
CAL ICV (CCV)			1408	"	"		4.20	(P) F
CAL ICV (CCV)			0815	7.00	4GI0915		7.00	(P) F
CAL ICV (CCV)			1413	"	"		6.85	(P) F
CAL ICV (CCV)			0818	10.00	4GI0913		10.00	(P) F
CAL ICV CCV			1417	"	"		9.8	(P) F

ORP	SOP N/A	Date	Time	Std. mV @ Temp °C	Standard Lot #	Standard Exp. Date	Reading (mV)	Pass or Fail
						Geosyntec Acceptance Criteria: +/- 5%		
CAL ICV (CCV)		3/5/25	0822	160@25C	4GH0332	5/25	240.0	(P) F
CAL ICV (CCV)		"	1421	"	"	"	238.0	(P) F
CAL ICV CCV								P F
CAL ICV CCV								P F

Specific Conductance Probe Cleaned? Yes (No) Dissolved Oxygen Membrane Changed? Yes (No)

0.1 - 10 NTU Std 10 NTU	Date	Reading (NTU)	Pass or Fail
		Acceptance Criteria: +/- 10%	
CAL ICV (CCV)	3/5/25	10.4	(P) F
CAL ICV (CCV)	"	10.6	(P) F
CAL ICV CCV			P F
CAL ICV CCV			P F

11 - 40 NTU Std 20 NTU	Date	Reading (NTU)	Pass or Fail
		Acceptance Criteria: +/- 8%	
CAL ICV (CCV)	3/5/25	21.2	(P) F
CAL ICV (CCV)	"	21.2	(P) F
CAL ICV CCV			P F
CAL ICV CCV			P F
CAL ICV CCV			P F
CAL ICV CCV			P F

41 - 100 NTU Std 60 NTU	Date	Reading (NTU)	Pass or Fail
		Acceptance Criteria: +/- 6.5%	
CAL ICV (CCV)	3/5/25	98.1	(P) F
CAL ICV (CCV)	"	102	(P) F
CAL ICV CCV			P F
CAL ICV CCV			P F
CAL ICV CCV			P F
CAL ICV CCV			P F

>100 NTU Std 800 NTU	Date	Reading (NTU)	Pass or Fail
		Acceptance Criteria: +/- 5%	
CAL (ICV) (CCV)	3/5/25	812	(P) F
CAL ICV (CCV)	"	810	(P) F
CAL ICV CCV			P F
CAL ICV CCV			P F

1. See Table FS 2200-2 on the back of this form

CAL - Initial Calibration

ICV - Initial Calibration Verification

CCV - Continuing Calibration Verification

Allow adequate time for the dissolved oxygen sensor to equilibrate during air calibration

Calibrate specific conductance using at least two standards that bracket the range of expected sample readings (unless readings <0.1 mS/cm is acceptable)

Calibrate pH using at least two standards (typ. pH 4 and 7) that bracket the range of expected sample readings; always start with pH 7; add a third calibration point if needed (i e. pH > 7)

If parameter fails to calibrate within SOP acceptance criteria then append sample results with a "J" qualifier

Comments:

Geosyntec consultants

Form FD9000-8 CALIBRATION LOG (FDEP SOP FT 1000-FT 1500, FD 1000-FD 4000)

Geosyntec Consultants

Water Quality Instrument Calibration Form

Project/Site: LAKELAND ELECTRIC Project #: FR3715K/01/****/ Field Personnel: RIK MATHIAS

Water Quality Meter - Model/Serial#: YSI 556 15C102024 Turbidimeter - Model/Serial#: HACH 2100Q 18090C 069414

Dissolved Oxygen	DEP SOP FT 1500	Date	Time	Temp (°C)	Saturation (mg/L)[1]	Reading (mg/L)	Reading (%)	Pass or Fail
						Acceptance Criteria: +/-0.3 mg/L		
CAL (ICV) CCV		2-26-25	0735	14.93	10.1	10.07	99.7	(P) F
CAL ICV (CCV)		2-27-25	0740	16.92	9.685	9.64	99.4	(P) F
CAL ICV (CCV)		2-28-25	0715	15.48	9.997	9.96	99.8	(P) F
CAL ICV (CCV)		"	1539	19.58	9.184	9.18	100.1	(P) F

Specific Conductance	DEP SOP FT 1200	Date	Time	Standard (mS/cm)	Standard Lot #	Standard Exp. Date	Reading (mS/cm)	Pass or Fail
						Acceptance Criteria: +/- 5%		
CAL (ICV) CCV		2-26-25	0740	1.413	4GJ0098	10/25	1411	(P) F
CAL ICV (CCV)		2-27-25	0745	"	"	"	1420	(P) F
CAL ICV (CCV)		2-28-25	0720	"	"	"	1417	(P) F
CAL ICV (CCV)		"	1543	"	"	"	1419	(P) F
CAL ICV CCV								P F
CAL ICV CCV								P F

pH	DEP SOP FT 1100	Date	Time	Standard (SU)	Standard Lot #	Standard Exp. Date	Reading (SU)	Pass or Fail
						Acceptance Criteria: +/- 0.2 SU		
CAL (ICV) CCV		2-26-25	0745	7.00	4GI0915	9/26	7.06	(P) F
CAL ICV CCV			0750	4.00	4GI1219	9/26	4.02	(P) F
CAL ICV CCV			0755	10.00	4GI0913	9/26	10.07	(P) F
CAL ICV (CCV)		2-27-25	0750	7.00	4GI0915	9/26	7.03	(P) F
CAL ICV (CCV)		2-28-25	0725	7.00	4GI0915	9/26	7.08	(P) F
CAL ICV (CCV)		"	1547	7.00	4GI0915	9/26	7.06	(P) F

ORP	SOP N/A	Date	Time	Std. mV @ Temp °C	Standard Lot #	Standard Exp. Date	Reading (mV)	Pass or Fail
						Geosyntec Acceptance Criteria: +/- 5%		
CAL (ICV) CCV		2-26-25	0800	240.0	4GK0332	5/25	240.0	(P) F
CAL ICV (CCV)		2-27-25	0755	"	"	"	238.4	(P) F
CAL ICV (CCV)		2-28-25	0730	"	"	"	238.1	(P) F
CAL ICV (CCV)		"	1550	"	"	"	238.5	(P) F

Specific Conductance Probe Cleaned? Yes No Dissolved Oxygen Membrane Changed? Yes No

0.1 - 10 NTU Std 10 NTU	Date	Reading (NTU)	Pass or Fail
		Acceptance Criteria: +/- 10%	
CAL (ICV) CCV	2-26-25	10.1	(P) F
CAL ICV (CCV)	2-27-25	10.4	(P) F
CAL ICV (CCV)	2-28-25	10.3	(P) F
CAL ICV (CCV)	"	10.2	(P) F

11 - 40 NTU Std 20 NTU	Date	Reading (NTU)	Pass or Fail
		Acceptance Criteria: +/- 8%	
CAL (ICV) CCV	2-26-25	20.1	(P) F
CAL ICV (CCV)	2-27-25	20.2	(P) F
CAL ICV (CCV)	2-28-25	20.0	(P) F
CAL ICV (CCV)	"	20.2	(P) F
CAL ICV CCV			P F
CAL ICV CCV			P F

41 - 100 NTU Std 100 NTU	Date	Reading (NTU)	Pass or Fail
		Acceptance Criteria: +/- 6.5%	
CAL (ICV) CCV	2-26-25	100	(P) F
CAL ICV (CCV)	2-27-25	101	(P) F
CAL ICV (CCV)	2-28-25	99.5	(P) F
CAL ICV (CCV)	"	99.6	(P) F
CAL ICV CCV			P F
CAL ICV CCV			P F

>100 NTU Std ~~300~~ NTU	Date	Reading (NTU)	Pass or Fail
		Acceptance Criteria: +/- 5%	
CAL (ICV) CCV	2-26-25	790	(P) F
CAL ICV CCV			P F
CAL ICV CCV			P F
CAL ICV CCV			P F

1. See Table FS 2200-2 on the back of this form

CAL - Initial Calibration

ICV - Initial Calibration Verification

CCV - Continuing Calibration Verification

Allow adequate time for the dissolved oxygen sensor to equilibrate during air calibration

Calibrate specific conductance using at least two standards that bracket the range of expected sample readings (unless readings <0.1 mS/cm is acceptable)

Calibrate pH using at least two standards (typ. pH 4 and 7) that bracket the range of expected sample readings; always start with pH 7; add a third calibration point if needed (i.e. pH > 7)

If parameter fails to calibrate within SOP acceptance criteria then append sample results with a "J" qualifier

Comments:

Geosyntec consultants

Form FD9000-8 CALIBRATION LOG (FDEP SOP FT 1000-FT 1500, FD 1000-FD 4000)

Geosyntec Consultants

Water Quality Instrument Calibration Form

Project/Site: LAKELAND ELECTRIC Project #: FR3715K/01/****/ Field Personnel: RIK MATHIAS

Water Quality Meter - Model/Serial#: YSI 556 15C 107024 Turbidimeter - Model/Serial#: HACH 2100 Q 19090C 069414

Dissolved Oxygen	DEP SOP FT 1500	Date	Time	Temp (°C)	Saturation (mg/L)[1]	Reading (mg/L)	Reading (%)	Pass or Fail
						Acceptance Criteria: +/-0.3 mg/L		
CAL ICV (CCV)		3.3.25	0730	12.02	10.79	10.77	99.8	(P) F
CAL ICV (CCV)		3.4.25	0720	17.30	9.605	9.62	100.1	(P) F
CAL ICV (CCV)		"	1544	23.45	8.356	100.5	850	(P) F
CAL ICV CCV								P F

Specific Conductance	DEP SOP FT 1200	Date	Time	Standard (mS/cm)	Standard Lot #	Standard Exp. Date	Reading (mS/cm)	Pass or Fail
						Acceptance Criteria: +/- 5%		
CAL ICV (CCV)		3.3.25	0735	1.413	4GJ0098	10/25	1413	(P) F
CAL ICV (CCV)		3.4.25	0725	"	"	"	1414	(P) F
CAL ICV (CCV)		"	1548	"	"	"	1415	(P) F
CAL ICV CCV								P F
CAL ICV CCV								P F
CAL ICV CCV								P F

pH	DEP SOP FT 1100	Date	Time	Standard (SU)	Standard Lot #	Standard Exp. Date	Reading (SU)	Pass or Fail
						Acceptance Criteria: +/- 0.2 SU		
CAL ICV (CCV)		3.3.25	0739	7.00	4GI0915	9/26	7.06	(P) F
CAL ICV (CCV)		|	0743	4.00	4GI1219	9/26	4.04	(P) F
CAL ICV (CCV)		|	0747	10.00	4GI0913	9/26	10.07	(P) F
CAL ICV (CCV)		3.4.25	0730	7.00	4GI0915	9/26	7.08	(P) F
CAL ICV (CCV)		"	1552	7.00	4GI0915	9/26	7.07	(P) F
CAL ICV CCV								P F

ORP	SOP N/A	Date	Time	Std. mV @ Temp °C	Standard Lot #	Standard Exp. Date	Reading (mV)	Pass or Fail
						Geosyntec Acceptance Criteria: +/- 5%		
CAL ICV (CCV)		3.3.25	0751	240.0	4GH0332	5/25	242.0	(P) F
CAL ICV (CCV)		3.4.25	0735	"	"	"	238.4	(P) F
CAL ICV (CCV)		"	1556	"	"	"	238.7	(P) F
CAL ICV CCV								P F

0.1 - 10 NTU Std 10 NTU	Date	Reading (NTU)	Pass or Fail
		Acceptance Criteria: +/- 10%	
CAL ICV (CCV)	3.3.25	10.1	(P) F
CAL ICV (CCV)	3.4.25	10.2	(P) F
CAL ICV (CCV)	"	10.1	(P) F
CAL ICV CCV			P F

11 - 40 NTU Std 20 NTU	Date	Reading (NTU)	Pass or Fail
		Acceptance Criteria: +/- 8%	
CAL ICV (CCV)	3.3.25	20.2	(P) F
CAL ICV (CCV)	3.4.25	20.1	(P) F
CAL ICV (CCV)	"	20	(P) F
CAL ICV CCV			P F
CAL ICV CCV			P F
CAL ICV CCV			P F

41 - 100 NTU Std 100 NTU	Date	Reading (NTU)	Pass or Fail
		Acceptance Criteria: +/- 6.5%	
CAL ICV (CCV)	3.3.25	100	(P) F
CAL ICV (CCV)	3.4.25	102	(P) F
CAL ICV (CCV)	"	101	(P) F
CAL ICV CCV			P F
CAL ICV CCV			P F
CAL ICV CCV			P F

>100 NTU Std 800 NTU	Date	Reading (NTU)	Pass or Fail
		Acceptance Criteria: +/- 5%	
CAL ICV (CCV)	3.3.25	791	(P) F
CAL ICV CCV			P F
CAL ICV CCV			P F
CAL ICV CCV			P F

Specific Conductance Probe Cleaned? Yes No Dissolved Oxygen Membrane Changed? Yes No

1. See Table FS 2200-2 on the back of this form

CAL - Initial Calibration

ICV - Initial Calibration Verification

CCV - Continuing Calibration Verification

Allow adequate time for the dissolved oxygen sensor to equilibrate during air calibration

Calibrate specific conductance using at least two standards that bracket the range of expected sample readings (unless readings <0.1 mS/cm is acceptable)

Calibrate pH using at least two standards (typ. pH 4 and 7) that bracket the range of expected sample readings; always start with pH 7; add a third calibration point if needed (i.e. pH > 7)

If parameter fails to calibrate within SOP acceptance criteria then append sample results with a "J" qualifier

Comments:

Geosyntec consultants

INSTRUMENT CALIBRATION REPORT

Pine Environmental Services LLC

3901 Coconut Palm Dr. Ste 107
Tampa, FL 33619
Direct: 813-620-1001

Pine Environmental Services, Inc.

Instrument ID 14237
Description YSI 556
Calibrated 2/19/2025 9:01:32AM

Manufacturer YSI
Model Number 556
Serial Number/ Lot Number 09F100228
Location Florida
Department

State Certified
Status Pass
Temp °C 23
Humidity % 55

Calibration Specifications

Group # 1
Group Name PH
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
7.00 / 7.00	PH	7.00	PH	7.09	7.00	0.00%	Pass
4.00 / 4.00	PH	4.00	PH	4.13	4.00	0.00%	Pass
10.00 / 10.00	PH	10.00	PH	9.90	10.00	0.00%	Pass

Group # 2
Group Name Conductivity
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.000

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
1.413 / 1.413	ms/cm	1.413	ms/cm	1.401	1.413	0.00%	Pass

Group # 3
Group Name Redox (ORP)
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.0

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
240.0 / 240.0	mv	240.0	mv	236.9	240.0	0.00%	Pass

Group # 4
Group Name Disolved Oxygen Span
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.0

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
100.0 / 100.0	%	100.0	%	102.9	99.6	-0.40%	Pass

INSTRUMENT CALIBRATION REPORT

Pine Environmental Services LLC

3901 Coconut Palm Dr. Ste 107
Tampa, FL 33619
Direct: 813-620-1001

Pine Environmental Services, Inc.

Instrument ID 14237
Description YSI 556
Calibrated 2/19/2025 9:01:32AM

Test Instruments Used During the Calibration (As Of Cal Entry Date)

Test Standard ID	Description	Manufacturer	Model Number	Serial Number / Lot Number	Last Cal Date/ Opened Date	Next Cal Date / Expiration Date
FL 1413	FL 1413 Conductivity Standard	AquaPhoenix Scientific	Code: 31986	Lot #: 4GJ0098		10/31/2025
FL ORP 240MV	FL ORP Standard 240mV	AquaPhoenix Scientific	Code: 32001	Lot #: 4GE1370		2/28/2025
FL PH 10	FL pH 10 Buffer Solution	AquaPhoenix Scientific	Code: 32034	Lot #: 4GI0913		9/30/2026
FL PH 4	FL pH 4 Buffer Solution	AquaPhoenix Scientific	Code: 32017	Lot #: 4GI1219		9/30/2026
FL PH 7	FL pH 7 Buffer Solution	AquaPhoenix Scientific	Code: 32025	Lot #: 4GI0915		9/30/2026

Notes about this calibration

Calibration Result Calibration Successful
Who Calibrated Evan McClenthan

All instruments are calibrated by Pine Environmental Services LLC according to the manufacturer's specifications, but it is the customer's responsibility to calibrate and maintain this unit in accordance with the manufacturer's specifications and/or the customer's own specific needs.

Notify Pine Environmental Services LLC of any defect within 24 hours of receipt of equipment
Please call 800-301-9663 for Technical Assistance

INSTRUMENT CALIBRATION REPORT

Pine Environmental Services LLC

3901 Coconut Palm Dr. Ste 107
Tampa, FL 33619
Direct: 813-620-1001

Pine Environmental Services, Inc.

Instrument ID 48638
Description 34947
Calibrated 2/21/2025 10:15:33AM

Manufacturer HACH
Model Number 2100Q
Serial Number/ Lot Number 20070D000226
Location Florida
Department

State Certified NJ Cert#: 11034
Status Pass
Temp °C 22
Humidity % 44

Calibration Specifications

Group # 1
Group Name Turbidity
Stated Accy Pct of Reading

Range Acc % 0.0000
Reading Acc % 10.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
10.00 / 10.00	NTU	10.00	NTU	9.85	10.00	0.00%	Pass
20.00 / 20.00	NTU	20.00	NTU	19.60	20.00	0.00%	Pass
100.00 / 100.00	NTU	100.00	NTU	102.00	100.00	0.00%	Pass
800.00 / 800.00	NTU	800.00	NTU	827.00	800.00	0.00%	Pass

Test Instruments Used During the Calibration

(As Of Cal Entry Date)

Test Standard ID	Description	Manufacturer	Model Number	Serial Number / Lot Number	Last Cal Date/ Opened Date	Next Cal Date / Expiration Date
FL HACH 100NTU	100 NTU Turbidity Standard	HACH	2684901	A4298		1/31/2026
FL HACH 10NTU	10 NTU Turbidity Standard	HACH	2961801	A4302		2/28/2026
FL HACH 20NTU	20 NTU Turbidity Standard	HACH	2684801	A4302		2/28/2026
FL HACH 800NTU	800 NTU Turbidity Standard	HACH	2660501	A4302		2/28/2026

Notes about this calibration

Calibration Result Calibration Successful
Who Calibrated Evan McClenthan

INSTRUMENT CALIBRATION REPORT

Pine Environmental Services LLC

3901 Coconut Palm Dr. Ste 107
Tampa, FL 33619
Direct: 813-620-1001

Pine Environmental Services, Inc.

Instrument ID	48638
Description	34947
Calibrated	2/21/2025 10:15:33AM

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INSTRUMENT CALIBRATION REPORT

Pine Environmental Services LLC

3901 Coconut Palm Dr. Ste 107
Tampa, FL 33619
Direct: 813-620-1001

Pine Environmental Services, Inc.

Instrument ID 36660
Description YSI 556
Calibrated 2/26/2025 3:27:03PM

Manufacturer YSI
Model Number 556
Serial Number/ Lot Number 16A104329
Location Florida
Department

State Certified NJ Cert#: 11034
Status Pass
Temp °C 23
Humidity % 52

Calibration Specifications

Group # 1
Group Name pH
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
7.00 / 7.00	PH	7.00	PH	7.01	7.00	0.00%	Pass
4.00 / 4.00	PH	4.00	PH	4.07	4.00	0.00%	Pass
10.00 / 10.00	PH	10.00	PH	10.02	10.00	0.00%	Pass

Group # 2
Group Name Conductivity
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.000

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
1.413 / 1.413	ms/cm	1.413	ms/cm	1.420	1.413	0.00%	Pass

Group # 3
Group Name ORP
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.0

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
240.0 / 240.0	mv	240.0	mv	225.7	240.0	0.00%	Pass

Group # 4
Group Name Dissolved Oxygen Span
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.0

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
100.0 / 100.0	%	100.0	%	105.0	99.6	-0.40%	Pass

INSTRUMENT CALIBRATION REPORT

Pine Environmental Services LLC

3901 Coconut Palm Dr. Ste 107
Tampa, FL 33619
Direct: 813-620-1001

Pine Environmental Services, Inc.

Instrument ID 36660
Description YSI 556
Calibrated 2/26/2025 3:27:03PM

Test Instruments Used During the Calibration

Test Standard ID	Description	Manufacturer	Model Number	Serial Number / Lot Number	(As Of Cal Entry Date) Last Cal Date/ Opened Date	(As Of Cal Entry Date) Next Cal Date / Expiration Date
FL 1413	FL 1413 Conductivity Standard	AquaPhoenix Scientific	Code: 31986	Lot #: 4GJ0098		10/31/2025
FL ORP 240MV	FL ORP Standard 240mV	AquaPhoenix Scientific	Code: 32001	Lot #: 4GE1370		2/28/2025
FL PH 10	FL pH 10 Buffer Solution	AquaPhoenix Scientific	Code: 32034	Lot #: 4GI0913		9/30/2026
FL PH 4	FL pH 4 Buffer Solution	AquaPhoenix Scientific	Code: 32017	Lot #: 4GI1219		9/30/2026
FL PH 7	FL pH 7 Buffer Solution	AquaPhoenix Scientific	Code: 32025	Lot #: 4GI0915		9/30/2026

Notes about this calibration

Calibration Result Calibration Successful
Who Calibrated Evan McClenthan

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INSTRUMENT CALIBRATION REPORT

Pine Environmental Services LLC

3901 Coconut Palm Dr. Ste 107
Tampa, FL 33619
Direct: 813-620-1001

Pine Environmental Services, Inc.

Instrument ID 44484
Description HACH 2100Q Turbidimeter
Calibrated 2/20/2025 1:50:14PM

Manufacturer HACH
Model Number 2100Q
Serial Number/ Lot Number 18090C069414
Location Florida
Department

State Certified NJ Cert#: 11034
Status Pass
Temp °C 23
Humidity % 55

Calibration Specifications

Group # 1
Group Name Turbidity
Stated Accy Pct of Reading

Range Acc % 0.0000
Reading Acc % 10.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	End As	Lft As	Dev%	Pass/Fail
10.00 / 10.00	NTU	10.00	NTU	10.10	10.10	1.00%	Pass
20.00 / 20.00	NTU	20.00	NTU	19.80	20.00	0.00%	Pass
100.00 / 100.00	NTU	100.00	NTU	98.30	100.00	0.00%	Pass
800.00 / 800.00	NTU	800.00	NTU	795.00	800.00	0.00%	Pass

Test Instruments Used During the Calibration

(As Of Cal Entry Date)

Test Standard ID	Description	Manufacturer	Model Number	Serial Number / Lot Number	Last Cal Date/ Opened Date	Next Cal Date / Expiration Date
FL HACH 100NTU	100 NTU Turbidity Standard	HACH	2684901	A4298		1/31/2026
FL HACH 10NTU	10 NTU Turbidity Standard	HACH	2961801	A4302		2/28/2026
FL HACH 20NTU	20 NTU Turbidity Standard	HACH	2684801	A4302		2/28/2026
FL HACH 800NTU	800 NTU Turbidity Standard	HACH	2660501	A4302		2/28/2026

Notes about this calibration

Calibration Result Calibration Successful
Who Calibrated Evan McClenthan

INSTRUMENT CALIBRATION REPORT

Pine Environmental Services LLC

3901 Coconut Palm Dr. Ste 107
Tampa, FL 33619
Direct: 813-620-1001

Pine Environmental Services, Inc.

Instrument ID 44484
Description HACH 2100Q Turbidimeter
Calibrated 2/20/2025 1:50:14PM

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Please call 800-301-9663 for Technical Assistance

INSTRUMENT CALIBRATION REPORT

Pine Environmental Services LLC

3901 Coconut Palm Dr. Ste 107
Tampa, FL 33619
Direct: 813-620-1001

Pine Environmental Services, Inc.

Instrument ID 31116
Description YSI 556
Calibrated 2/21/2025 10:10:22AM

Manufacturer YSI
Model Number 556
Serial Number/ Lot Number 15C102024
Location Florida
Department

State Certified
Status Pass
Temp °C 22
Humidity % 44

Calibration Specifications

Group # 1
Group Name pH
Stated Accy Plus / Minus
Range Acc % 0.0000
Reading Acc % 0.0000
Plus/Minus 0.20

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
7.00 / 7.00	PH	7.00	PH	7.01	7.00	0.00%	Pass
4.00 / 4.00	PH	4.00	PH	4.12	4.00	0.00%	Pass
10.00 / 10.00	PH	10.00	PH	9.93	10.00	0.00%	Pass

Group # 2
Group Name Conductivity
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 1.0000
Plus/Minus 0.000

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
1.413 / 1.413	ms/cm	1.413	ms/cm	1.466	1.413	0.00%	Pass

Group # 3
Group Name ORP
Stated Accy Plus / Minus
Range Acc % 0.0000
Reading Acc % 0.0000
Plus/Minus 20.0

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
240.0 / 240.0	mv	240.0	mv	228.7	240.0	0.00%	Pass

Group # 4
Group Name Dissolved Oxygen Span
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 2.0000
Plus/Minus 0.0

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
100.0 / 100.0	%	100.0	%	98.0	101.0	1.00%	Pass

INSTRUMENT CALIBRATION REPORT

Pine Environmental Services LLC

3901 Coconut Palm Dr. Ste 107
Tampa, FL 33619
Direct: 813-620-1001

Pine Environmental Services, Inc.

Instrument ID 31116
Description YSI 556
Calibrated 2/21/2025 10:10:22AM

Test Instruments Used During the Calibration

Test Standard ID	Description	Manufacturer	Model Number	Serial Number / Lot Number	(As Of Cal Entry Date) Last Cal Date/ Opened Date	(As Of Cal Entry Date) Next Cal Date / Expiration Date
FL 1413	FL 1413 Conductivity Standard	AquaPhoenix Scientific	Code: 31986	Lot #: 4GJ0098		10/31/2025
FL ORP 240MV	FL ORP Standard 240mV	AquaPhoenix Scientific	Code: 32001	Lot #: 4GE1370		2/28/2025
FL PH 10	FL pH 10 Buffer Solution	AquaPhoenix Scientific	Code: 32034	Lot #: 4GI0913		9/30/2026
FL PH 4	FL pH 4 Buffer Solution	AquaPhoenix Scientific	Code: 32017	Lot #: 4GI1219		9/30/2026
FL PH 7	FL pH 7 Buffer Solution	AquaPhoenix Scientific	Code: 32025	Lot #: 4GI0915		9/30/2026

Notes about this calibration

Calibration Result Calibration Successful
Who Calibrated Evan McClenthan

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1 2 3 4 5 6 7 8 9 10 11 12 13 14

ANALYTICAL REPORT

PREPARED FOR

Attn: Thomas Johnston
City of Lakeland
Lakeland Electric
501 East Lemon Street
Lakeland, Florida 33801

Generated 3/13/2025 7:19:23 PM

JOB DESCRIPTION

2024 Semi-annual CCR Compliance Monitori

JOB NUMBER

660-141283-1

Eurofins Tampa
6712 Benjamin Road
Suite 100
Tampa FL 33634

See page two for job notes and contact information.

myEOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Southeast, LLC Project Manager.

Authorization



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3/13/2025 7:19:23 PM

Authorized for release by
Luis Betancourt, Project Manager I
Luis.Betancourt@et.eurofinsus.com
(321)282-6293

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Sample Summary

Client: City of Lakeland
Job ID: 660-141283-1
Project/Site: 2024 Semi-annual CCR Compliance Monitori

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
660-141283-1	CCR-1-20250228	Water	02/28/25 11:26	03/03/25 13:45
660-141283-2	CCR-2-20250228	Water	02/28/25 10:34	03/03/25 13:45
660-141283-3	CCR-4-20250228	Water	02/28/25 15:21	03/03/25 13:45
660-141283-4	CCR-15-20250227	Water	02/27/25 15:09	03/03/25 13:45
660-141283-5	CCR-16-20250227	Water	02/27/25 16:44	03/03/25 13:45
660-141283-6	CCR-17-20250228	Water	02/28/25 09:51	03/03/25 13:45
660-141283-7	CCR-18-20250228	Water	02/28/25 10:49	03/03/25 13:45
660-141283-8	CCR-19-20250228	Water	02/28/25 14:00	03/03/25 13:45
660-141283-9	CCR-22-20250228	Water	02/28/25 13:34	03/03/25 13:45
660-141283-10	CCR-23-20250228	Water	02/28/25 12:49	03/03/25 13:45
660-141283-11	Fish Lake-20250303	Water	03/03/25 09:35	03/03/25 13:45
660-141283-12	Lake D-20250303	Water	03/03/25 09:00	03/03/25 13:45
660-141315-1	CCR-13-20250303	Water	03/03/25 14:49	03/04/25 13:42
660-141315-2	CCR-6-20250304	Water	03/04/25 10:12	03/04/25 13:42
660-141315-3	CCR-7-20250304	Water	03/04/25 11:18	03/04/25 13:42
660-141315-4	CCR-12-20250304	Water	03/04/25 10:00	03/04/25 13:42
660-141315-5	CCR-21-20250303	Water	03/03/25 13:31	03/04/25 13:42
660-141315-6	SW-106-20250303	Water	03/03/25 15:47	03/04/25 13:42
660-141315-7	EB-01-20250304	Water	03/04/25 10:27	03/04/25 13:42
660-141358-1	CCR-8-20250304	Water	03/04/25 15:29	03/05/25 16:16
660-141358-2	CCR-5-20250305	Water	03/05/25 09:34	03/05/25 16:16
660-141358-3	CCR-9-20250304	Water	03/04/25 17:05	03/05/25 16:16
660-141358-4	CCR-11-20250305	Water	03/05/25 13:48	03/05/25 16:16
660-141358-5	CCR-20-20250304	Water	03/04/25 14:00	03/05/25 16:16

Job ID: 660-141283-1 Eurofins Tampa

Job Narrative
660-141283-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 3/3/2025 1:45 PM, 3/4/2025 1:42 PM and 3/5/2025 4:16 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were 2.2°C, 2.4°C and 3.4°C.

Metals
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry
Method 2320B: The analysis for the following sample(s) produced a base result over the calibration range. CCR-16-20250227 (660-141283-5). The reference method specifies that sample not be diluted in order to produce the best data precision. As such, these data have been qualified

CCR-16-20250227 (660-141283-5)

Method 375.4: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 670-140058 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method SM4500_Cl_E: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for analytical batch 670-141679 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Definitions/Glossary

Client: City of Lakeland
Job ID: 660-141283-1
Project/Site: 2024 Semi-annual CCR Compliance Monitori

Qualifiers

Metals

Qualifier	Qualifier Description
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
U	Indicates that the compound was analyzed for but not detected.

General Chemistry

Qualifier	Qualifier Description
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
J3	Estimated value; value may not be accurate. Spike recovery or RPD outside of criteria.
U	Indicates that the compound was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Detection Summary

Client: City of Lakeland
Job ID: 660-141283-1
Project/Site: 2024 Semi-annual CCR Compliance Monitori

Client Sample ID: CCR-1-20250228 — Lab Sample ID: 660-141283-1

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	32		0.50	0.058	mg/L	1		6010D	Total Recoverable
Boron	0.035	I	0.050	0.0035	mg/L	1		6010D	Total Recoverable
Arsenic	0.00094	I	0.0040	0.00039	mg/L	1		6020B	Total Recoverable
Barium	0.021		0.0040	0.00037	mg/L	1		6020B	Total Recoverable
Total Dissolved Solids	96		5.0	5.0	mg/L	1		2540C - 2015	Total/NA
Sulfate	120	J3	20	10	mg/L	5		375.4	Total/NA
Chloride	5.1		5.0	2.5	mg/L	1		4500 Cl E-2011	Total/NA
Fluoride	0.028	I	0.10	0.022	mg/L	1		SM 4500 F C	Total/NA

Client Sample ID: CCR-2-20250228 — Lab Sample ID: 660-141283-2

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	31		0.50	0.058	mg/L	1		6010D	Total Recoverable
Boron	0.039	I	0.050	0.0035	mg/L	1		6010D	Total Recoverable
Barium	0.014		0.0040	0.00037	mg/L	1		6020B	Total Recoverable
Lead	0.00056	I	0.0020	0.00024	mg/L	1		6020B	Total Recoverable
Molybdenum	0.0011	I	0.0020	0.00025	mg/L	1		6020B	Total Recoverable
Selenium	0.00048	I	0.0040	0.00048	mg/L	1		6020B	Total Recoverable
Total Dissolved Solids	120		5.0	5.0	mg/L	1		2540C - 2015	Total/NA
Sulfate	25		4.0	2.0	mg/L	1		375.4	Total/NA
Chloride	7.7		5.0	2.5	mg/L	1		4500 Cl E-2011	Total/NA
Fluoride	0.088	I	0.10	0.022	mg/L	1		SM 4500 F C	Total/NA

Client Sample ID: CCR-4-20250228 — Lab Sample ID: 660-141283-3

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	1600		5.0	0.58	mg/L	10		6010D	Total Recoverable
Lithium	0.33		0.020	0.018	mg/L	1		6010D	Total Recoverable
Boron	0.87		0.050	0.0035	mg/L	1		6010D	Total Recoverable
Arsenic	0.00051	I	0.0040	0.00039	mg/L	1		6020B	Total Recoverable
Barium	0.22		0.0040	0.00037	mg/L	1		6020B	Total Recoverable
Molybdenum	0.0026		0.0020	0.00025	mg/L	1		6020B	Total Recoverable
Selenium	0.0031	I	0.0040	0.00048	mg/L	1		6020B	Total Recoverable
Cobalt	0.0021		0.0020	0.00010	mg/L	1		6020B	Total Recoverable
Total Dissolved Solids	6800		25	25	mg/L	1		2540C - 2015	Total/NA
Sulfate	1600		200	100	mg/L	50		375.4	Total/NA
Chloride	2800		500	250	mg/L	100		4500 Cl E-2011	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: City of Lakeland
Job ID: 660-141283-1
Project/Site: 2024 Semi-annual CCR Compliance Monitori

Client Sample ID: CCR-15-20250227 — Lab Sample ID: 660-141283-4

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	9.1		0.50	0.058	mg/L	1		6010D	Total Recoverable
Magnesium	0.55	I	1.0	0.058	mg/L	1		6010D	Total Recoverable
Sodium	1.3		0.50	0.13	mg/L	1		6010D	Total Recoverable
Boron	0.022	I	0.050	0.0035	mg/L	1		6010D	Total Recoverable
Barium	0.012		0.0040	0.00037	mg/L	1		6020B	Total Recoverable
Molybdenum	0.00069	I	0.0020	0.00025	mg/L	1		6020B	Total Recoverable
Selenium	0.00051	I	0.0040	0.00048	mg/L	1		6020B	Total Recoverable
Potassium	1.0		0.25	0.019	mg/L	1		6020B	Total Recoverable
Total Dissolved Solids	70		5.0	5.0	mg/L	1		2540C - 2015	Total/NA
Sulfate	10		4.0	2.0	mg/L	1		375.4	Total/NA
Chloride	2.6	I	5.0	2.5	mg/L	1		4500 Cl E-2011	Total/NA
Fluoride	0.037	I	0.10	0.022	mg/L	1		SM 4500 F C	Total/NA

Client Sample ID: CCR-16-20250227 — Lab Sample ID: 660-141283-5

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	670		0.50	0.058	mg/L	1		6010D	Total Recoverable
Magnesium	7.4		1.0	0.058	mg/L	1		6010D	Total Recoverable
Sodium	340		0.50	0.13	mg/L	1		6010D	Total Recoverable
Lithium	0.25		0.020	0.018	mg/L	1		6010D	Total Recoverable
Boron	0.52		0.050	0.0035	mg/L	1		6010D	Total Recoverable
Arsenic	0.00053	I	0.0040	0.00039	mg/L	1		6020B	Total Recoverable
Barium	0.061		0.0040	0.00037	mg/L	1		6020B	Total Recoverable
Selenium	0.0015	I	0.0040	0.00048	mg/L	1		6020B	Total Recoverable
Cobalt	0.00057	I	0.0020	0.00010	mg/L	1		6020B	Total Recoverable
Potassium	370		25	1.9	mg/L	100		6020B	Total Recoverable
Total Dissolved Solids	3800		25	25	mg/L	1		2540C - 2015	Total/NA
Sulfate	1600		400	200	mg/L	100		375.4	Total/NA
Chloride	720		500	250	mg/L	100		4500 Cl E-2011	Total/NA

Client Sample ID: CCR-17-20250228 — Lab Sample ID: 660-141283-6

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	110		0.50	0.058	mg/L	1		6010D	Total Recoverable
Magnesium	16		1.0	0.058	mg/L	1		6010D	Total Recoverable
Sodium	13		0.50	0.13	mg/L	1		6010D	Total Recoverable

This Detection Summary does not include radiochemical test results.

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Client Sample ID: CCR-17-20250228 (Continued)
Lab Sample ID: 660-141283-6

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Boron	0.11		0.050	0.0035	mg/L	1		6010D	Total Recoverable
Arsenic	0.0056		0.0040	0.00039	mg/L	1		6020B	Total Recoverable
Barium	0.0026	I	0.0040	0.00037	mg/L	1		6020B	Total Recoverable
Molybdenum	0.0014	I	0.0020	0.00025	mg/L	1		6020B	Total Recoverable
Potassium	11		0.25	0.019	mg/L	1		6020B	Total Recoverable
Alkalinity as CaCO3 to pH 4.5	210		10	10	mg/L	1		2320B-2011	Total/NA
Bicarbonate Alkalinity as CaCO3	210		10	10	mg/L	1		2320B-2011	Total/NA
Total Dissolved Solids	410		5.0	5.0	mg/L	1		2540C - 2015	Total/NA
Sulfate	14		4.0	2.0	mg/L	1		375.4	Total/NA
Chloride	20		5.0	2.5	mg/L	1		4500 Cl E-2011	Total/NA
Fluoride	0.029	I	0.10	0.022	mg/L	1		SM 4500 F C	Total/NA

Client Sample ID: CCR-18-20250228
Lab Sample ID: 660-141283-7

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	100		0.50	0.058	mg/L	1		6010D	Total Recoverable
Magnesium	6.2		1.0	0.058	mg/L	1		6010D	Total Recoverable
Sodium	1.7		0.50	0.13	mg/L	1		6010D	Total Recoverable
Boron	0.048	I	0.050	0.0035	mg/L	1		6010D	Total Recoverable
Barium	0.0023	I	0.0040	0.00037	mg/L	1		6020B	Total Recoverable
Molybdenum	0.0026		0.0020	0.00025	mg/L	1		6020B	Total Recoverable
Selenium	0.00050	I	0.0040	0.00048	mg/L	1		6020B	Total Recoverable
Potassium	3.6		0.25	0.019	mg/L	1		6020B	Total Recoverable
Alkalinity as CaCO3 to pH 4.5	220		10	10	mg/L	1		2320B-2011	Total/NA
Bicarbonate Alkalinity as CaCO3	220		10	10	mg/L	1		2320B-2011	Total/NA
Total Dissolved Solids	310		5.0	5.0	mg/L	1		2540C - 2015	Total/NA
Sulfate	7.8		4.0	2.0	mg/L	1		375.4	Total/NA
Chloride	3.4	I	5.0	2.5	mg/L	1		4500 Cl E-2011	Total/NA
Fluoride	0.37		0.10	0.022	mg/L	1		SM 4500 F C	Total/NA

Client Sample ID: CCR-19-20250228
Lab Sample ID: 660-141283-8

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	660		0.50	0.058	mg/L	1		6010D	Total Recoverable
Magnesium	60		1.0	0.058	mg/L	1		6010D	Total Recoverable
Sodium	190		0.50	0.13	mg/L	1		6010D	Total Recoverable
Boron	0.26		0.050	0.0035	mg/L	1		6010D	Total Recoverable
Arsenic	0.0095		0.0040	0.00039	mg/L	1		6020B	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample ID: CCR-19-20250228 (Continued)
Lab Sample ID: 660-141283-8

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.085		0.0040	0.00037	mg/L	1		6020B	Total Recoverable
Selenium	0.00098	I	0.0040	0.00048	mg/L	1		6020B	Total Recoverable
Potassium	150		25	1.9	mg/L	100		6020B	Total Recoverable
Total Dissolved Solids	3200		25	25	mg/L	1		2540C - 2015	Total/NA
Sulfate	1100		200	100	mg/L	50		375.4	Total/NA
Chloride	860		500	250	mg/L	100		4500 Cl E-2011	Total/NA
Fluoride	0.67		0.10	0.022	mg/L	1		SM 4500 F C	Total/NA

Client Sample ID: CCR-22-20250228
Lab Sample ID: 660-141283-9

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	370		0.50	0.058	mg/L	1		6010D	Total Recoverable
Magnesium	14		1.0	0.058	mg/L	1		6010D	Total Recoverable
Sodium	33		0.50	0.13	mg/L	1		6010D	Total Recoverable
Lithium	0.059		0.020	0.018	mg/L	1		6010D	Total Recoverable
Boron	0.45		0.050	0.0035	mg/L	1		6010D	Total Recoverable
Barium	0.018		0.0040	0.00037	mg/L	1		6020B	Total Recoverable
Cobalt	0.0011	I	0.0020	0.00010	mg/L	1		6020B	Total Recoverable
Potassium	130		25	1.9	mg/L	100		6020B	Total Recoverable
Total Dissolved Solids	1700		10	10	mg/L	1		2540C - 2015	Total/NA
Sulfate	1700		200	100	mg/L	50		375.4	Total/NA
Chloride	82		5.0	2.5	mg/L	1		4500 Cl E-2011	Total/NA
Fluoride	0.78		0.10	0.022	mg/L	1		SM 4500 F C	Total/NA

Client Sample ID: CCR-23-20250228
Lab Sample ID: 660-141283-10

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	310		0.50	0.058	mg/L	1		6010D	Total Recoverable
Magnesium	26		1.0	0.058	mg/L	1		6010D	Total Recoverable
Sodium	26		0.50	0.13	mg/L	1		6010D	Total Recoverable
Boron	0.61		0.050	0.0035	mg/L	1		6010D	Total Recoverable
Barium	0.0084		0.0040	0.00037	mg/L	1		6020B	Total Recoverable
Potassium	13		0.25	0.019	mg/L	1		6020B	Total Recoverable
Alkalinity as CaCO3 to pH 4.5	52		10	10	mg/L	1		2320B-2011	Total/NA
Bicarbonate Alkalinity as CaCO3	52		10	10	mg/L	1		2320B-2011	Total/NA
Total Dissolved Solids	1300		5.0	5.0	mg/L	1		2540C - 2015	Total/NA
Sulfate	1200		200	100	mg/L	50		375.4	Total/NA
Chloride	48		10	5.0	mg/L	2		4500 Cl E-2011	Total/NA
Fluoride	0.33		0.10	0.022	mg/L	1		SM 4500 F C	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: City of Lakeland
Job ID: 660-141283-1
Project/Site: 2024 Semi-annual CCR Compliance Monitori

Client Sample ID: Fish Lake-20250303
Lab Sample ID: 660-141283-11

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	120		0.50	0.058	mg/L	1		6010D	Total Recoverable
Magnesium	5.5		1.0	0.058	mg/L	1		6010D	Total Recoverable
Sodium	18		0.50	0.13	mg/L	1		6010D	Total Recoverable
Boron	0.10		0.050	0.0035	mg/L	1		6010D	Total Recoverable
Arsenic	0.0040		0.0040	0.00039	mg/L	1		6020B	Total Recoverable
Barium	0.031		0.0040	0.00037	mg/L	1		6020B	Total Recoverable
Lead	0.0012	I	0.0020	0.00024	mg/L	1		6020B	Total Recoverable
Molybdenum	0.0019	I	0.0020	0.00025	mg/L	1		6020B	Total Recoverable
Selenium	0.00060	I	0.0040	0.00048	mg/L	1		6020B	Total Recoverable
Potassium	25		25	1.9	mg/L	100		6020B	Total Recoverable
Alkalinity as CaCO3 to pH 4.5	110		10	10	mg/L	1		2320B-2011	Total/NA
Bicarbonate Alkalinity as CaCO3	110		10	10	mg/L	1		2320B-2011	Total/NA
Total Dissolved Solids	490		5.0	5.0	mg/L	1		2540C - 2015	Total/NA
Sulfate	230		100	50	mg/L	25		375.4	Total/NA
Chloride	36		5.0	2.5	mg/L	1		4500 Cl E-2011	Total/NA
Fluoride	0.37		0.10	0.022	mg/L	1		SM 4500 F C	Total/NA

Client Sample ID: Lake D-20250303
Lab Sample ID: 660-141283-12

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	56		0.50	0.058	mg/L	1		6010D	Total Recoverable
Magnesium	11		1.0	0.058	mg/L	1		6010D	Total Recoverable
Sodium	27		0.50	0.13	mg/L	1		6010D	Total Recoverable
Boron	0.038	I	0.050	0.0035	mg/L	1		6010D	Total Recoverable
Barium	0.0056		0.0040	0.00037	mg/L	1		6020B	Total Recoverable
Cobalt	0.00010	I	0.0020	0.00010	mg/L	1		6020B	Total Recoverable
Potassium	13		0.25	0.019	mg/L	1		6020B	Total Recoverable
Alkalinity as CaCO3 to pH 4.5	60		10	10	mg/L	1		2320B-2011	Total/NA
Bicarbonate Alkalinity as CaCO3	60		10	10	mg/L	1		2320B-2011	Total/NA
Total Dissolved Solids	300		5.0	5.0	mg/L	1		2540C - 2015	Total/NA
Sulfate	5.6		4.0	2.0	mg/L	1		375.4	Total/NA
Chloride	120		5.0	2.5	mg/L	1		4500 Cl E-2011	Total/NA
Fluoride	0.43		0.10	0.022	mg/L	1		SM 4500 F C	Total/NA

Client Sample ID: CCR-13-20250303
Lab Sample ID: 660-141315-1

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	490		0.50	0.058	mg/L	1		6010D	Total Recoverable

This Detection Summary does not include radiochemical test results.

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Client Sample ID: CCR-13-20250303 (Continued)
Lab Sample ID: 660-141315-1

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lithium	0.024		0.020	0.018	mg/L	1		6010D	Total Recoverable
Boron	0.27		0.050	0.0035	mg/L	1		6010D	Total Recoverable
Arsenic	0.00077	I	0.0040	0.00039	mg/L	1		6020B	Total Recoverable
Barium	0.010		0.0040	0.00037	mg/L	1		6020B	Total Recoverable
Molybdenum	0.0041		0.0020	0.00025	mg/L	1		6020B	Total Recoverable
Selenium	0.00050	I	0.0040	0.00048	mg/L	1		6020B	Total Recoverable
Cobalt	0.00012	I	0.0020	0.00010	mg/L	1		6020B	Total Recoverable
Total Dissolved Solids	1800		10	10	mg/L	1		2540C - 2015	Total/NA
Sulfate	830		100	50	mg/L	25		375.4	Total/NA
Chloride	30		5.0	2.5	mg/L	1		4500 Cl E-2011	Total/NA
Fluoride	0.20		0.10	0.022	mg/L	1		SM 4500 F C	Total/NA

Client Sample ID: CCR-6-20250304
Lab Sample ID: 660-141315-2

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	170		0.50	0.058	mg/L	1		6010D	Total Recoverable
Magnesium	5.2		1.0	0.058	mg/L	1		6010D	Total Recoverable
Sodium	22		0.50	0.13	mg/L	1		6010D	Total Recoverable
Lithium	0.11		0.020	0.018	mg/L	1		6010D	Total Recoverable
Boron	0.20		0.050	0.0035	mg/L	1		6010D	Total Recoverable
Barium	0.0047		0.0040	0.00037	mg/L	1		6020B	Total Recoverable
Molybdenum	0.0064		0.0020	0.00025	mg/L	1		6020B	Total Recoverable
Potassium	33		25	1.9	mg/L	100		6020B	Total Recoverable
Alkalinity as CaCO3 to pH 4.5	170		10	10	mg/L	1		2320B-2011	Total/NA
Bicarbonate Alkalinity as CaCO3	170		10	10	mg/L	1		2320B-2011	Total/NA
Total Dissolved Solids	700		5.0	5.0	mg/L	1		2540C - 2015	Total/NA
Sulfate	150		20	10	mg/L	5		375.4	Total/NA
Chloride	73		5.0	2.5	mg/L	1		4500 Cl E-2011	Total/NA
Fluoride	0.40		0.10	0.022	mg/L	1		SM 4500 F C	Total/NA

Client Sample ID: CCR-7-20250304
Lab Sample ID: 660-141315-3

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	54		0.50	0.058	mg/L	1		6010D	Total Recoverable
Magnesium	3.7		1.0	0.058	mg/L	1		6010D	Total Recoverable
Sodium	2.6		0.50	0.13	mg/L	1		6010D	Total Recoverable
Boron	0.091		0.050	0.0035	mg/L	1		6010D	Total Recoverable

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: City of Lakeland
Job ID: 660-141283-1
Project/Site: 2024 Semi-annual CCR Compliance Monitori

Client Sample ID: CCR-7-20250304 (Continued) — Lab Sample ID: 660-141315-3

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.0041		0.0040	0.00037	mg/L	1		6020B	Total Recoverable
Molybdenum	0.0011	I	0.0020	0.00025	mg/L	1		6020B	Total Recoverable
Potassium	11		0.25	0.019	mg/L	1		6020B	Total Recoverable
Alkalinity as CaCO3 to pH 4.5	26		10	10	mg/L	1		2320B-2011	Total/NA
Bicarbonate Alkalinity as CaCO3	26		10	10	mg/L	1		2320B-2011	Total/NA
Total Dissolved Solids	260		5.0	5.0	mg/L	1		2540C - 2015	Total/NA
Sulfate	68		20	10	mg/L	5		375.4	Total/NA
Chloride	3.3	I	5.0	2.5	mg/L	1		4500 Cl E-2011	Total/NA
Fluoride	0.066	I	0.10	0.022	mg/L	1		SM 4500 F C	Total/NA

Client Sample ID: CCR-12-20250304 — Lab Sample ID: 660-141315-4

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	570		0.50	0.058	mg/L	1		6010D	Total Recoverable
Magnesium	6.2		1.0	0.058	mg/L	1		6010D	Total Recoverable
Sodium	14		0.50	0.13	mg/L	1		6010D	Total Recoverable
Boron	0.42		0.050	0.0035	mg/L	1		6010D	Total Recoverable
Arsenic	0.079		0.0040	0.00039	mg/L	1		6020B	Total Recoverable
Antimony	0.00049	I	0.0020	0.00041	mg/L	1		6020B	Total Recoverable
Barium	0.022		0.0040	0.00037	mg/L	1		6020B	Total Recoverable
Molybdenum	0.012		0.0020	0.00025	mg/L	1		6020B	Total Recoverable
Selenium	0.0011	I	0.0040	0.00048	mg/L	1		6020B	Total Recoverable
Potassium	70		25	1.9	mg/L	100		6020B	Total Recoverable
Alkalinity as CaCO3 to pH 4.5	280		10	10	mg/L	1		2320B-2011	Total/NA
Bicarbonate Alkalinity as CaCO3	280		10	10	mg/L	1		2320B-2011	Total/NA
Total Dissolved Solids	2100		10	10	mg/L	1		2540C - 2015	Total/NA
Sulfate	880		100	50	mg/L	25		375.4	Total/NA
Chloride	730		500	250	mg/L	100		4500 Cl E-2011	Total/NA
Fluoride	0.68		0.10	0.022	mg/L	1		SM 4500 F C	Total/NA

Client Sample ID: CCR-21-20250303 — Lab Sample ID: 660-141315-5

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	530		0.50	0.058	mg/L	1		6010D	Total Recoverable
Magnesium	17		1.0	0.058	mg/L	1		6010D	Total Recoverable
Sodium	14		0.50	0.13	mg/L	1		6010D	Total Recoverable
Boron	0.35		0.050	0.0035	mg/L	1		6010D	Total Recoverable
Arsenic	0.0043		0.0040	0.00039	mg/L	1		6020B	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample ID: CCR-21-20250303 (Continued)
Lab Sample ID: 660-141315-5

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.045		0.0040	0.00037	mg/L	1		6020B	Total Recoverable
Molybdenum	0.040		0.0020	0.00025	mg/L	1		6020B	Total Recoverable
Cobalt	0.00099	I	0.0020	0.00010	mg/L	1		6020B	Total Recoverable
Potassium	16		0.25	0.019	mg/L	1		6020B	Total Recoverable
Alkalinity as CaCO3 to pH 4.5	290		10	10	mg/L	1		2320B-2011	Total/NA
Bicarbonate Alkalinity as CaCO3	290		10	10	mg/L	1		2320B-2011	Total/NA
Total Dissolved Solids	1800		10	10	mg/L	1		2540C - 2015	Total/NA
Sulfate	720		100	50	mg/L	25		375.4	Total/NA
Chloride	11		5.0	2.5	mg/L	1		4500 Cl E-2011	Total/NA
Fluoride	0.63		0.10	0.022	mg/L	1		SM 4500 F C	Total/NA

Client Sample ID: SW-106-20250303
Lab Sample ID: 660-141315-6

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	9.8		0.50	0.058	mg/L	1		6010D	Total Recoverable
Magnesium	1.6		1.0	0.058	mg/L	1		6010D	Total Recoverable
Sodium	2.2		0.50	0.13	mg/L	1		6010D	Total Recoverable
Boron	0.032	I	0.050	0.0035	mg/L	1		6010D	Total Recoverable
Barium	0.011		0.0040	0.00037	mg/L	1		6020B	Total Recoverable
Lead	0.00041	I	0.0020	0.00024	mg/L	1		6020B	Total Recoverable
Molybdenum	0.0029		0.0020	0.00025	mg/L	1		6020B	Total Recoverable
Potassium	5.2		0.25	0.019	mg/L	1		6020B	Total Recoverable
Alkalinity as CaCO3 to pH 4.5	27		10	10	mg/L	1		2320B-2011	Total/NA
Bicarbonate Alkalinity as CaCO3	27		10	10	mg/L	1		2320B-2011	Total/NA
Total Dissolved Solids	60		5.0	5.0	mg/L	1		2540C - 2015	Total/NA
Sulfate	14		4.0	2.0	mg/L	1		375.4	Total/NA
Fluoride	0.026	I	0.10	0.022	mg/L	1		SM 4500 F C	Total/NA

Client Sample ID: EB-01-20250304
Lab Sample ID: 660-141315-7

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	0.080	I	0.50	0.058	mg/L	1		6010D	Total Recoverable
Barium	0.0032	I	0.0040	0.00037	mg/L	1		6020B	Total Recoverable
Total Dissolved Solids	42		5.0	5.0	mg/L	1		2540C - 2015	Total/NA

Client Sample ID: CCR-8-20250304
Lab Sample ID: 660-141358-1

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	83		0.50	0.058	mg/L	1		6010D	Total Recoverable
Boron	0.047	I	0.050	0.0035	mg/L	1		6010D	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample ID: CCR-8-20250304 (Continued)
Lab Sample ID: 660-141358-1

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.00077	I	0.0040	0.00039	mg/L	1		6020B	Total Recoverable
Barium	0.024		0.0040	0.00037	mg/L	1		6020B	Total Recoverable
Molybdenum	0.011		0.0020	0.00025	mg/L	1		6020B	Total Recoverable
Cobalt	0.00018	I	0.0020	0.00010	mg/L	1		6020B	Total Recoverable
Total Dissolved Solids	250		5.0	5.0	mg/L	1		2540C - 2015	Total/NA
Sulfate	56		8.0	4.0	mg/L	2		375.4	Total/NA
Chloride	2.7	I J3	5.0	2.5	mg/L	1		4500 Cl E-2011	Total/NA
Fluoride	0.42		0.10	0.022	mg/L	1		SM 4500 F C	Total/NA

Client Sample ID: CCR-5-20250305
Lab Sample ID: 660-141358-2

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	1900		0.50	0.058	mg/L	1		6010D	Total Recoverable
Magnesium	32		1.0	0.058	mg/L	1		6010D	Total Recoverable
Sodium	940		0.50	0.13	mg/L	1		6010D	Total Recoverable
Lithium	4.6		0.020	0.018	mg/L	1		6010D	Total Recoverable
Boron	0.39		0.050	0.0035	mg/L	1		6010D	Total Recoverable
Barium	0.16		0.0040	0.00037	mg/L	1		6020B	Total Recoverable
Molybdenum	0.0046		0.0020	0.00025	mg/L	1		6020B	Total Recoverable
Selenium	0.0013	I	0.0040	0.00048	mg/L	1		6020B	Total Recoverable
Cobalt	0.00011	I	0.0020	0.00010	mg/L	1		6020B	Total Recoverable
Potassium	660		25	1.9	mg/L	100		6020B	Total Recoverable
Alkalinity as CaCO3 to pH 4.5	70		10	10	mg/L	1		2320B-2011	Total/NA
Bicarbonate Alkalinity as CaCO3	70		10	10	mg/L	1		2320B-2011	Total/NA
Total Dissolved Solids	9500		25	25	mg/L	1		2540C - 2015	Total/NA
Sulfate	400		100	50	mg/L	25		375.4	Total/NA
Chloride	4500		1000	500	mg/L	200		4500 Cl E-2011	Total/NA
Fluoride	0.061	I	0.10	0.022	mg/L	1		SM 4500 F C	Total/NA

Client Sample ID: CCR-9-20250304
Lab Sample ID: 660-141358-3

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	680		0.50	0.058	mg/L	1		6010D	Total Recoverable
Magnesium	56		1.0	0.058	mg/L	1		6010D	Total Recoverable
Sodium	170		0.50	0.13	mg/L	1		6010D	Total Recoverable
Lithium	0.052		0.020	0.018	mg/L	1		6010D	Total Recoverable
Boron	0.42		0.050	0.0035	mg/L	1		6010D	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample ID: CCR-9-20250304 (Continued)
Lab Sample ID: 660-141358-3

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.0069		0.0040	0.00039	mg/L	1		6020B	Total Recoverable
Barium	0.056		0.0040	0.00037	mg/L	1		6020B	Total Recoverable
Selenium	0.00082	I	0.0040	0.00048	mg/L	1		6020B	Total Recoverable
Potassium	120		25	1.9	mg/L	100		6020B	Total Recoverable
Alkalinity as CaCO3 to pH 4.5	44		10	10	mg/L	1		2320B-2011	Total/NA
Bicarbonate Alkalinity as CaCO3	44		10	10	mg/L	1		2320B-2011	Total/NA
Total Dissolved Solids	3000		25	25	mg/L	1		2540C - 2015	Total/NA
Sulfate	720		100	50	mg/L	25		375.4	Total/NA
Chloride	700		500	250	mg/L	100		4500 Cl E-2011	Total/NA
Fluoride	0.18		0.10	0.022	mg/L	1		SM 4500 F C	Total/NA

Client Sample ID: CCR-11-20250305
Lab Sample ID: 660-141358-4

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	650		0.50	0.058	mg/L	1		6010D	Total Recoverable
Magnesium	18		1.0	0.058	mg/L	1		6010D	Total Recoverable
Sodium	260		0.50	0.13	mg/L	1		6010D	Total Recoverable
Boron	0.32		0.050	0.0035	mg/L	1		6010D	Total Recoverable
Arsenic	0.083		0.0040	0.00039	mg/L	1		6020B	Total Recoverable
Barium	0.049		0.0040	0.00037	mg/L	1		6020B	Total Recoverable
Selenium	0.0026	I	0.0040	0.00048	mg/L	1		6020B	Total Recoverable
Potassium	340		25	1.9	mg/L	100		6020B	Total Recoverable
Total Dissolved Solids	3600		25	25	mg/L	1		2540C - 2015	Total/NA
Sulfate	930		200	100	mg/L	50		375.4	Total/NA
Chloride	620		500	250	mg/L	100		4500 Cl E-2011	Total/NA
Fluoride	0.60		0.10	0.022	mg/L	1		SM 4500 F C	Total/NA

Client Sample ID: CCR-20-20250304
Lab Sample ID: 660-141358-5

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	610		0.50	0.058	mg/L	1		6010D	Total Recoverable
Magnesium	9.1		1.0	0.058	mg/L	1		6010D	Total Recoverable
Sodium	150		0.50	0.13	mg/L	1		6010D	Total Recoverable
Boron	0.30		0.050	0.0035	mg/L	1		6010D	Total Recoverable
Arsenic	0.091		0.0040	0.00039	mg/L	1		6020B	Total Recoverable
Barium	0.048		0.0040	0.00037	mg/L	1		6020B	Total Recoverable
Selenium	0.0022	I	0.0040	0.00048	mg/L	1		6020B	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample ID: CCR-20-20250304 (Continued)
Lab Sample ID: 660-141358-5

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Potassium	310		25	1.9	mg/L	100		6020B	Total Recoverable
Alkalinity as CaCO3 to pH 4.5	14		10	10	mg/L	1		2320B-2011	Total/NA
Bicarbonate Alkalinity as CaCO3	14		10	10	mg/L	1		2320B-2011	Total/NA
Total Dissolved Solids	2900		25	25	mg/L	1		2540C - 2015	Total/NA
Sulfate	990		200	100	mg/L	50		375.4	Total/NA
Chloride	420	I	500	250	mg/L	100		4500 Cl E-2011	Total/NA
Fluoride	0.13		0.10	0.022	mg/L	1		SM 4500 F C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: CCR-1-20250228
Lab Sample ID: 660-141283-1

Date Collected: 02/28/25 11:26
Matrix: Water
Date Received: 03/03/25 13:45

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**32**		0.50	0.058	mg/L		03/04/25 10:18	03/04/25 16:08	1
Lithium	0.018	U	0.020	0.018	mg/L		03/04/25 10:18	03/04/25 16:08	1
Chromium	0.0049	U	0.010	0.0049	mg/L		03/04/25 10:18	03/04/25 16:08	1
Boron	**0.035**	**I**	0.050	0.0035	mg/L		03/04/25 10:18	03/04/25 16:08	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.00094**	**I**	0.0040	0.00039	mg/L		03/04/25 10:14	03/04/25 18:03	1
Antimony	0.00041	U	0.0020	0.00041	mg/L		03/04/25 10:14	03/04/25 18:03	1
Cadmium	0.00025	U	0.0020	0.00025	mg/L		03/04/25 10:14	03/04/25 18:03	1
Barium	**0.021**		0.0040	0.00037	mg/L		03/04/25 10:14	03/04/25 18:03	1
Beryllium	0.00032	U	0.0010	0.00032	mg/L		03/04/25 10:14	03/04/25 18:03	1
Lead	0.00024	U	0.0020	0.00024	mg/L		03/04/25 10:14	03/04/25 18:03	1
Molybdenum	0.00025	U	0.0020	0.00025	mg/L		03/04/25 10:14	03/04/25 18:03	1
Selenium	0.00048	U	0.0040	0.00048	mg/L		03/04/25 10:14	03/04/25 18:03	1
Cobalt	0.00010	U	0.0020	0.00010	mg/L		03/04/25 10:14	03/04/25 18:03	1
Thallium	0.00035	U	0.0010	0.00035	mg/L		03/04/25 10:14	03/04/25 18:03	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00040	0.00020	mg/L		03/04/25 15:38	03/05/25 14:57	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C - 2015)	**96**		5.0	5.0	mg/L			03/07/25 09:26	1
Sulfate (EPA 375.4)	**120**	**J3**	20	10	mg/L			03/04/25 13:54	5
Chloride (SM 4500 Cl E-2011)	**5.1**		5.0	2.5	mg/L			03/06/25 16:07	1
Fluoride (SM 4500 F C)	**0.028**	**I**	0.10	0.022	mg/L			03/05/25 14:58	1

Client Sample ID: CCR-2-20250228
Lab Sample ID: 660-141283-2

Date Collected: 02/28/25 10:34
Matrix: Water
Date Received: 03/03/25 13:45

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**31**		0.50	0.058	mg/L		03/04/25 10:18	03/04/25 16:10	1
Lithium	0.018	U	0.020	0.018	mg/L		03/04/25 10:18	03/04/25 16:10	1
Chromium	0.0049	U	0.010	0.0049	mg/L		03/04/25 10:18	03/04/25 16:10	1
Boron	**0.039**	**I**	0.050	0.0035	mg/L		03/04/25 10:18	03/04/25 16:10	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.00039	U	0.0040	0.00039	mg/L		03/04/25 10:14	03/04/25 18:08	1
Antimony	0.00041	U	0.0020	0.00041	mg/L		03/04/25 10:14	03/04/25 18:08	1
Cadmium	0.00025	U	0.0020	0.00025	mg/L		03/04/25 10:14	03/04/25 18:08	1
Barium	**0.014**		0.0040	0.00037	mg/L		03/04/25 10:14	03/04/25 18:08	1
Beryllium	0.00032	U	0.0010	0.00032	mg/L		03/04/25 10:14	03/04/25 18:08	1
Lead	**0.00056**	**I**	0.0020	0.00024	mg/L		03/04/25 10:14	03/04/25 18:08	1
Molybdenum	**0.0011**	**I**	0.0020	0.00025	mg/L		03/04/25 10:14	03/04/25 18:08	1
Selenium	**0.00048**	**I**	0.0040	0.00048	mg/L		03/04/25 10:14	03/04/25 18:08	1

Client Sample ID: CCR-2-20250228
Lab Sample ID: 660-141283-2

Date Collected: 02/28/25 10:34
Matrix: Water
Date Received: 03/03/25 13:45

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable (Continued)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	0.00010	U	0.0020	0.00010	mg/L		03/04/25 10:14	03/04/25 18:08	1
Thallium	0.00035	U	0.0010	0.00035	mg/L		03/04/25 10:14	03/04/25 18:08	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00040	0.00020	mg/L		03/04/25 15:38	03/05/25 14:59	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C - 2015)	120		5.0	5.0	mg/L			03/07/25 11:32	1
Sulfate (EPA 375.4)	25		4.0	2.0	mg/L			03/04/25 13:37	1
Chloride (SM 4500 Cl E-2011)	7.7		5.0	2.5	mg/L			03/06/25 16:08	1
Fluoride (SM 4500 F C)	0.088	I	0.10	0.022	mg/L			03/05/25 15:04	1

Client Sample ID: CCR-4-20250228
Lab Sample ID: 660-141283-3

Date Collected: 02/28/25 15:21
Matrix: Water
Date Received: 03/03/25 13:45

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	1600		5.0	0.58	mg/L		03/04/25 10:18	03/05/25 10:52	10
Lithium	0.33		0.020	0.018	mg/L		03/04/25 10:18	03/04/25 16:13	1
Chromium	0.0049	U	0.010	0.0049	mg/L		03/04/25 10:18	03/04/25 16:13	1
Boron	0.87		0.050	0.0035	mg/L		03/04/25 10:18	03/04/25 16:13	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.00051	I	0.0040	0.00039	mg/L		03/04/25 10:14	03/04/25 18:11	1
Antimony	0.00041	U	0.0020	0.00041	mg/L		03/04/25 10:14	03/04/25 18:11	1
Cadmium	0.00025	U	0.0020	0.00025	mg/L		03/04/25 10:14	03/04/25 18:11	1
Barium	0.22		0.0040	0.00037	mg/L		03/04/25 10:14	03/04/25 18:11	1
Beryllium	0.00032	U	0.0010	0.00032	mg/L		03/04/25 10:14	03/04/25 18:11	1
Lead	0.00024	U	0.0020	0.00024	mg/L		03/04/25 10:14	03/04/25 18:11	1
Molybdenum	0.0026		0.0020	0.00025	mg/L		03/04/25 10:14	03/04/25 18:11	1
Selenium	0.0031	I	0.0040	0.00048	mg/L		03/04/25 10:14	03/04/25 18:11	1
Cobalt	0.0021		0.0020	0.00010	mg/L		03/04/25 10:14	03/04/25 18:11	1
Thallium	0.00035	U	0.0010	0.00035	mg/L		03/04/25 10:14	03/04/25 18:11	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00040	0.00020	mg/L		03/04/25 15:38	03/05/25 15:00	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C - 2015)	6800		25	25	mg/L			03/07/25 11:32	1
Sulfate (EPA 375.4)	1600		200	100	mg/L			03/04/25 14:44	50
Chloride (SM 4500 Cl E-2011)	2800		500	250	mg/L			03/06/25 16:10	100
Fluoride (SM 4500 F C)	0.022	U	0.10	0.022	mg/L			03/05/25 15:07	1

Client Sample ID: CCR-15-20250227
Lab Sample ID: 660-141283-4

Date Collected: 02/27/25 15:09
Matrix: Water
Date Received: 03/03/25 13:45

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**9.1**		0.50	0.058	mg/L		03/04/25 10:18	03/04/25 16:15	1
Magnesium	**0.55**	**I**	1.0	0.058	mg/L		03/04/25 10:18	03/04/25 16:15	1
Sodium	**1.3**		0.50	0.13	mg/L		03/04/25 10:18	03/04/25 16:15	1
Lithium	0.018	U	0.020	0.018	mg/L		03/04/25 10:18	03/04/25 16:15	1
Chromium	0.0049	U	0.010	0.0049	mg/L		03/04/25 10:18	03/04/25 16:15	1
Boron	**0.022**	**I**	0.050	0.0035	mg/L		03/04/25 10:18	03/04/25 16:15	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.00039	U	0.0040	0.00039	mg/L		03/04/25 10:14	03/04/25 16:29	1
Antimony	0.00041	U	0.0020	0.00041	mg/L		03/04/25 10:14	03/04/25 16:29	1
Cadmium	0.00025	U	0.0020	0.00025	mg/L		03/04/25 10:14	03/04/25 16:29	1
Barium	**0.012**		0.0040	0.00037	mg/L		03/04/25 10:14	03/04/25 16:29	1
Beryllium	0.00032	U	0.0010	0.00032	mg/L		03/04/25 10:14	03/04/25 16:29	1
Lead	0.00024	U	0.0020	0.00024	mg/L		03/04/25 10:14	03/04/25 16:29	1
Molybdenum	**0.00069**	**I**	0.0020	0.00025	mg/L		03/04/25 10:14	03/04/25 16:29	1
Selenium	**0.00051**	**I**	0.0040	0.00048	mg/L		03/04/25 10:14	03/04/25 16:29	1
Cobalt	0.00010	U	0.0020	0.00010	mg/L		03/04/25 10:14	03/04/25 16:29	1
Thallium	0.00035	U	0.0010	0.00035	mg/L		03/04/25 10:14	03/04/25 16:29	1
Potassium	**1.0**		0.25	0.019	mg/L		03/04/25 10:14	03/04/25 16:29	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00040	0.00020	mg/L		03/04/25 15:38	03/05/25 15:01	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity as CaCO3 to pH 4.5 (SM 2320B-2011)	10	U	10	10	mg/L			03/04/25 14:36	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	10	U	10	10	mg/L			03/04/25 14:36	1
Total Dissolved Solids (SM 2540C - 2015)	**70**		5.0	5.0	mg/L			03/06/25 12:29	1
Sulfate (EPA 375.4)	**10**		4.0	2.0	mg/L			03/04/25 13:38	1
Chloride (SM 4500 Cl E-2011)	**2.6**	**I**	5.0	2.5	mg/L			03/06/25 16:11	1
Fluoride (SM 4500 F C)	**0.037**	**I**	0.10	0.022	mg/L			03/05/25 15:11	1

Client Sample ID: CCR-16-20250227
Lab Sample ID: 660-141283-5

Date Collected: 02/27/25 16:44
Matrix: Water
Date Received: 03/03/25 13:45

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**670**		0.50	0.058	mg/L		03/04/25 10:18	03/04/25 16:18	1
Magnesium	**7.4**		1.0	0.058	mg/L		03/04/25 10:18	03/04/25 16:18	1
Sodium	**340**		0.50	0.13	mg/L		03/04/25 10:18	03/04/25 16:18	1
Lithium	**0.25**		0.020	0.018	mg/L		03/04/25 10:18	03/04/25 16:18	1
Chromium	0.0049	U	0.010	0.0049	mg/L		03/04/25 10:18	03/04/25 16:18	1
Boron	**0.52**		0.050	0.0035	mg/L		03/04/25 10:18	03/04/25 16:18	1

Client Sample ID: CCR-16-20250227
Lab Sample ID: 660-141283-5

Date Collected: 02/27/25 16:44
Matrix: Water
Date Received: 03/03/25 13:45

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.00053**	**I**	0.0040	0.00039	mg/L		03/04/25 10:14	03/04/25 16:37	1
Antimony	0.00041	U	0.0020	0.00041	mg/L		03/04/25 10:14	03/04/25 16:37	1
Cadmium	0.00025	U	0.0020	0.00025	mg/L		03/04/25 10:14	03/04/25 16:37	1
Barium	**0.061**		0.0040	0.00037	mg/L		03/04/25 10:14	03/04/25 16:37	1
Beryllium	0.00032	U	0.0010	0.00032	mg/L		03/04/25 10:14	03/04/25 16:37	1
Lead	0.00024	U	0.0020	0.00024	mg/L		03/04/25 10:14	03/04/25 16:37	1
Molybdenum	0.00025	U	0.0020	0.00025	mg/L		03/04/25 10:14	03/04/25 16:37	1
Selenium	**0.0015**	**I**	0.0040	0.00048	mg/L		03/04/25 10:14	03/04/25 16:37	1
Cobalt	**0.00057**	**I**	0.0020	0.00010	mg/L		03/04/25 10:14	03/04/25 16:37	1
Thallium	0.00035	U	0.0010	0.00035	mg/L		03/04/25 10:14	03/04/25 16:37	1
Potassium	**370**		25	1.9	mg/L		03/04/25 10:14	03/04/25 16:39	100

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00040	0.00020	mg/L		03/04/25 15:38	03/05/25 15:03	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity as CaCO3 to pH 4.5 (SM 2320B-2011)	10	U	10	10	mg/L			03/04/25 14:13	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	10	U	10	10	mg/L			03/04/25 14:13	1
Total Dissolved Solids (SM 2540C - 2015)	**3800**		25	25	mg/L			03/06/25 12:29	1
Sulfate (EPA 375.4)	**1600**		400	200	mg/L			03/04/25 15:11	100
Chloride (SM 4500 Cl E-2011)	**720**		500	250	mg/L			03/06/25 16:12	100
Fluoride (SM 4500 F C)	0.022	U	0.10	0.022	mg/L			03/05/25 15:14	1

Client Sample ID: CCR-17-20250228
Lab Sample ID: 660-141283-6

Date Collected: 02/28/25 09:51
Matrix: Water
Date Received: 03/03/25 13:45

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**110**		0.50	0.058	mg/L		03/04/25 10:18	03/04/25 16:20	1
Magnesium	**16**		1.0	0.058	mg/L		03/04/25 10:18	03/04/25 16:20	1
Sodium	**13**		0.50	0.13	mg/L		03/04/25 10:18	03/04/25 16:20	1
Lithium	0.018	U	0.020	0.018	mg/L		03/04/25 10:18	03/04/25 16:20	1
Chromium	0.0049	U	0.010	0.0049	mg/L		03/04/25 10:18	03/04/25 16:20	1
Boron	**0.11**		0.050	0.0035	mg/L		03/04/25 10:18	03/04/25 16:20	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0056**		0.0040	0.00039	mg/L		03/04/25 10:14	03/04/25 16:42	1
Antimony	0.00041	U	0.0020	0.00041	mg/L		03/04/25 10:14	03/04/25 16:42	1
Cadmium	0.00025	U	0.0020	0.00025	mg/L		03/04/25 10:14	03/04/25 16:42	1
Barium	**0.0026**	**I**	0.0040	0.00037	mg/L		03/04/25 10:14	03/04/25 16:42	1
Beryllium	0.00032	U	0.0010	0.00032	mg/L		03/04/25 10:14	03/04/25 16:42	1
Lead	0.00024	U	0.0020	0.00024	mg/L		03/04/25 10:14	03/04/25 16:42	1
Molybdenum	**0.0014**	**I**	0.0020	0.00025	mg/L		03/04/25 10:14	03/04/25 16:42	1
Selenium	0.00048	U	0.0040	0.00048	mg/L		03/04/25 10:14	03/04/25 16:42	1

Client Sample ID: CCR-17-20250228
Lab Sample ID: 660-141283-6

Date Collected: 02/28/25 09:51
Matrix: Water
Date Received: 03/03/25 13:45

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable (Continued)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	0.00010	U	0.0020	0.00010	mg/L		03/04/25 10:14	03/04/25 16:42	1
Thallium	0.00035	U	0.0010	0.00035	mg/L		03/04/25 10:14	03/04/25 16:42	1
Potassium	**11**		0.25	0.019	mg/L		03/04/25 10:14	03/04/25 16:42	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00040	0.00020	mg/L		03/04/25 15:38	03/05/25 15:04	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity as CaCO3 to pH 4.5 (SM 2320B-2011)	**210**		10	10	mg/L			03/04/25 14:34	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	**210**		10	10	mg/L			03/04/25 14:34	1
Total Dissolved Solids (SM 2540C - 2015)	**410**		5.0	5.0	mg/L			03/07/25 11:32	1
Sulfate (EPA 375.4)	**14**		4.0	2.0	mg/L			03/04/25 13:39	1
Chloride (SM 4500 Cl E-2011)	**20**		5.0	2.5	mg/L			03/06/25 16:24	1
Fluoride (SM 4500 F C)	**0.029**	**I**	0.10	0.022	mg/L			03/05/25 15:17	1

Client Sample ID: CCR-18-20250228
Lab Sample ID: 660-141283-7

Date Collected: 02/28/25 10:49
Matrix: Water
Date Received: 03/03/25 13:45

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**100**		0.50	0.058	mg/L		03/04/25 10:18	03/04/25 16:23	1
Magnesium	**6.2**		1.0	0.058	mg/L		03/04/25 10:18	03/04/25 16:23	1
Sodium	**1.7**		0.50	0.13	mg/L		03/04/25 10:18	03/04/25 16:23	1
Lithium	0.018	U	0.020	0.018	mg/L		03/04/25 10:18	03/04/25 16:23	1
Chromium	0.0049	U	0.010	0.0049	mg/L		03/04/25 10:18	03/04/25 16:23	1
Boron	**0.048**	**I**	0.050	0.0035	mg/L		03/04/25 10:18	03/04/25 16:23	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.00039	U	0.0040	0.00039	mg/L		03/04/25 10:14	03/04/25 16:57	1
Antimony	0.00041	U	0.0020	0.00041	mg/L		03/04/25 10:14	03/04/25 16:57	1
Cadmium	0.00025	U	0.0020	0.00025	mg/L		03/04/25 10:14	03/04/25 16:57	1
Barium	**0.0023**	**I**	0.0040	0.00037	mg/L		03/04/25 10:14	03/04/25 16:57	1
Beryllium	0.00032	U	0.0010	0.00032	mg/L		03/04/25 10:14	03/04/25 16:57	1
Lead	0.00024	U	0.0020	0.00024	mg/L		03/04/25 10:14	03/04/25 16:57	1
Molybdenum	**0.0026**		0.0020	0.00025	mg/L		03/04/25 10:14	03/04/25 16:57	1
Selenium	**0.00050**	**I**	0.0040	0.00048	mg/L		03/04/25 10:14	03/04/25 16:57	1
Cobalt	0.00010	U	0.0020	0.00010	mg/L		03/04/25 10:14	03/04/25 16:57	1
Thallium	0.00035	U	0.0010	0.00035	mg/L		03/04/25 10:14	03/04/25 16:57	1
Potassium	**3.6**		0.25	0.019	mg/L		03/04/25 10:14	03/04/25 16:57	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00040	0.00020	mg/L		03/05/25 10:49	03/05/25 16:07	1

Client Sample ID: CCR-18-20250228
Lab Sample ID: 660-141283-7

Date Collected: 02/28/25 10:49
Matrix: Water
Date Received: 03/03/25 13:45

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity as CaCO3 to pH 4.5 (SM 2320B-2011)	220		10	10	mg/L			03/04/25 14:45	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	220		10	10	mg/L			03/04/25 14:45	1
Total Dissolved Solids (SM 2540C - 2015)	310		5.0	5.0	mg/L			03/07/25 11:32	1
Sulfate (EPA 375.4)	7.8		4.0	2.0	mg/L			03/04/25 13:39	1
Chloride (SM 4500 Cl E-2011)	3.4	I	5.0	2.5	mg/L			03/06/25 16:20	1
Fluoride (SM 4500 F C)	0.37		0.10	0.022	mg/L			03/05/25 15:19	1

Client Sample ID: CCR-19-20250228
Lab Sample ID: 660-141283-8

Date Collected: 02/28/25 14:00
Matrix: Water
Date Received: 03/03/25 13:45

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	660		0.50	0.058	mg/L		03/04/25 10:18	03/04/25 16:33	1
Magnesium	60		1.0	0.058	mg/L		03/04/25 10:18	03/04/25 16:33	1
Sodium	190		0.50	0.13	mg/L		03/04/25 10:18	03/04/25 16:33	1
Lithium	0.018	U	0.020	0.018	mg/L		03/04/25 10:18	03/04/25 16:33	1
Chromium	0.0049	U	0.010	0.0049	mg/L		03/04/25 10:18	03/04/25 16:33	1
Boron	0.26		0.050	0.0035	mg/L		03/04/25 10:18	03/04/25 16:33	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.0095		0.0040	0.00039	mg/L		03/04/25 10:14	03/04/25 17:02	1
Antimony	0.00041	U	0.0020	0.00041	mg/L		03/04/25 10:14	03/04/25 17:02	1
Cadmium	0.00025	U	0.0020	0.00025	mg/L		03/04/25 10:14	03/04/25 17:02	1
Barium	0.085		0.0040	0.00037	mg/L		03/04/25 10:14	03/04/25 17:02	1
Beryllium	0.00032	U	0.0010	0.00032	mg/L		03/04/25 10:14	03/04/25 17:02	1
Lead	0.00024	U	0.0020	0.00024	mg/L		03/04/25 10:14	03/04/25 17:02	1
Molybdenum	0.00025	U	0.0020	0.00025	mg/L		03/04/25 10:14	03/04/25 17:02	1
Selenium	0.00098	I	0.0040	0.00048	mg/L		03/04/25 10:14	03/04/25 17:02	1
Cobalt	0.00010	U	0.0020	0.00010	mg/L		03/04/25 10:14	03/04/25 17:02	1
Thallium	0.00035	U	0.0010	0.00035	mg/L		03/04/25 10:14	03/04/25 17:02	1
Potassium	150		25	1.9	mg/L		03/04/25 10:14	03/04/25 17:05	100

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00040	0.00020	mg/L		03/05/25 10:49	03/05/25 16:09	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity as CaCO3 to pH 4.5 (SM 2320B-2011)	10	U	10	10	mg/L			03/04/25 14:25	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	10	U	10	10	mg/L			03/04/25 14:25	1
Total Dissolved Solids (SM 2540C - 2015)	3200		25	25	mg/L			03/07/25 11:32	1
Sulfate (EPA 375.4)	1100		200	100	mg/L			03/04/25 14:45	50
Chloride (SM 4500 Cl E-2011)	860		500	250	mg/L			03/06/25 16:25	100
Fluoride (SM 4500 F C)	0.67		0.10	0.022	mg/L			03/05/25 15:24	1

Client: City of Lakeland
Job ID: 660-141283-1
Project/Site: 2024 Semi-annual CCR Compliance Monitori

Client Sample ID: CCR-22-20250228
Lab Sample ID: 660-141283-9
Date Collected: 02/28/25 13:34
Matrix: Water
Date Received: 03/03/25 13:45

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**370**		0.50	0.058	mg/L		03/04/25 10:18	03/04/25 16:35	1
Magnesium	**14**		1.0	0.058	mg/L		03/04/25 10:18	03/04/25 16:35	1
Sodium	**33**		0.50	0.13	mg/L		03/04/25 10:18	03/04/25 16:35	1
Lithium	**0.059**		0.020	0.018	mg/L		03/04/25 10:18	03/04/25 16:35	1
Chromium	0.0049	U	0.010	0.0049	mg/L		03/04/25 10:18	03/04/25 16:35	1
Boron	**0.45**		0.050	0.0035	mg/L		03/04/25 10:18	03/04/25 16:35	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.00039	U	0.0040	0.00039	mg/L		03/04/25 10:14	03/04/25 17:10	1
Antimony	0.00041	U	0.0020	0.00041	mg/L		03/04/25 10:14	03/04/25 17:10	1
Cadmium	0.00025	U	0.0020	0.00025	mg/L		03/04/25 10:14	03/04/25 17:10	1
Barium	**0.018**		0.0040	0.00037	mg/L		03/04/25 10:14	03/04/25 17:10	1
Beryllium	0.00032	U	0.0010	0.00032	mg/L		03/04/25 10:14	03/04/25 17:10	1
Lead	0.00024	U	0.0020	0.00024	mg/L		03/04/25 10:14	03/04/25 17:10	1
Molybdenum	0.00025	U	0.0020	0.00025	mg/L		03/04/25 10:14	03/04/25 17:10	1
Selenium	0.00048	U	0.0040	0.00048	mg/L		03/04/25 10:14	03/04/25 17:10	1
Cobalt	**0.0011**	**I**	0.0020	0.00010	mg/L		03/04/25 10:14	03/04/25 17:10	1
Thallium	0.00035	U	0.0010	0.00035	mg/L		03/04/25 10:14	03/04/25 17:10	1
Potassium	**130**		25	1.9	mg/L		03/04/25 10:14	03/04/25 17:12	100

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00040	0.00020	mg/L		03/05/25 10:49	03/05/25 16:10	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity as CaCO3 to pH 4.5 (SM 2320B-2011)	10	U	10	10	mg/L			03/06/25 14:08	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	10	U	10	10	mg/L			03/06/25 14:08	1
Total Dissolved Solids (SM 2540C - 2015)	**1700**		10	10	mg/L			03/07/25 09:26	1
Sulfate (EPA 375.4)	**1700**		200	100	mg/L			03/04/25 14:45	50
Chloride (SM 4500 Cl E-2011)	**82**		5.0	2.5	mg/L			03/13/25 18:30	1
Fluoride (SM 4500 F C)	**0.78**		0.10	0.022	mg/L			03/05/25 15:27	1

Client Sample ID: CCR-23-20250228
Lab Sample ID: 660-141283-10
Date Collected: 02/28/25 12:49
Matrix: Water
Date Received: 03/03/25 13:45

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**310**		0.50	0.058	mg/L		03/04/25 10:18	03/04/25 16:37	1
Magnesium	**26**		1.0	0.058	mg/L		03/04/25 10:18	03/04/25 16:37	1
Sodium	**26**		0.50	0.13	mg/L		03/04/25 10:18	03/04/25 16:37	1
Lithium	0.018	U	0.020	0.018	mg/L		03/04/25 10:18	03/04/25 16:37	1
Chromium	0.0049	U	0.010	0.0049	mg/L		03/04/25 10:18	03/04/25 16:37	1
Boron	**0.61**		0.050	0.0035	mg/L		03/04/25 10:18	03/04/25 16:37	1

Client Sample ID: CCR-23-20250228
Lab Sample ID: 660-141283-10

Date Collected: 02/28/25 12:49
Matrix: Water
Date Received: 03/03/25 13:45

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.00039	U	0.0040	0.00039	mg/L		03/04/25 10:14	03/04/25 17:15	1
Antimony	0.00041	U	0.0020	0.00041	mg/L		03/04/25 10:14	03/04/25 17:15	1
Cadmium	0.00025	U	0.0020	0.00025	mg/L		03/04/25 10:14	03/04/25 17:15	1
Barium	**0.0084**		0.0040	0.00037	mg/L		03/04/25 10:14	03/04/25 17:15	1
Beryllium	0.00032	U	0.0010	0.00032	mg/L		03/04/25 10:14	03/04/25 17:15	1
Lead	0.00024	U	0.0020	0.00024	mg/L		03/04/25 10:14	03/04/25 17:15	1
Molybdenum	0.00025	U	0.0020	0.00025	mg/L		03/04/25 10:14	03/04/25 17:15	1
Selenium	0.00048	U	0.0040	0.00048	mg/L		03/04/25 10:14	03/04/25 17:15	1
Cobalt	0.00010	U	0.0020	0.00010	mg/L		03/04/25 10:14	03/04/25 17:15	1
Thallium	0.00035	U	0.0010	0.00035	mg/L		03/04/25 10:14	03/04/25 17:15	1
Potassium	**13**		0.25	0.019	mg/L		03/04/25 10:14	03/04/25 17:15	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00040	0.00020	mg/L		03/05/25 10:49	03/05/25 16:11	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity as CaCO3 to pH 4.5 (SM 2320B-2011)	**52**		10	10	mg/L			03/04/25 14:10	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	**52**		10	10	mg/L			03/04/25 14:10	1
Total Dissolved Solids (SM 2540C - 2015)	**1300**		5.0	5.0	mg/L			03/07/25 11:32	1
Sulfate (EPA 375.4)	**1200**		200	100	mg/L			03/04/25 14:46	50
Chloride (SM 4500 Cl E-2011)	**48**		10	5.0	mg/L			03/06/25 16:28	2
Fluoride (SM 4500 F C)	**0.33**		0.10	0.022	mg/L			03/05/25 15:30	1

Client Sample ID: Fish Lake-20250303
Lab Sample ID: 660-141283-11

Date Collected: 03/03/25 09:35
Matrix: Water
Date Received: 03/03/25 13:45

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**120**		0.50	0.058	mg/L		03/04/25 10:18	03/04/25 16:40	1
Magnesium	**5.5**		1.0	0.058	mg/L		03/04/25 10:18	03/04/25 16:40	1
Sodium	**18**		0.50	0.13	mg/L		03/04/25 10:18	03/04/25 16:40	1
Lithium	0.018	U	0.020	0.018	mg/L		03/04/25 10:18	03/04/25 16:40	1
Chromium	0.0049	U	0.010	0.0049	mg/L		03/04/25 10:18	03/04/25 16:40	1
Boron	**0.10**		0.050	0.0035	mg/L		03/04/25 10:18	03/04/25 16:40	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0040**		0.0040	0.00039	mg/L		03/04/25 10:14	03/04/25 17:23	1
Antimony	0.00041	U	0.0020	0.00041	mg/L		03/04/25 10:14	03/04/25 17:23	1
Cadmium	0.00025	U	0.0020	0.00025	mg/L		03/04/25 10:14	03/04/25 17:23	1
Barium	**0.031**		0.0040	0.00037	mg/L		03/04/25 10:14	03/04/25 17:23	1
Beryllium	0.00032	U	0.0010	0.00032	mg/L		03/04/25 10:14	03/04/25 17:23	1
Lead	**0.0012**	**I**	0.0020	0.00024	mg/L		03/04/25 10:14	03/04/25 17:23	1
Molybdenum	**0.0019**	**I**	0.0020	0.00025	mg/L		03/04/25 10:14	03/04/25 17:23	1
Selenium	**0.00060**	**I**	0.0040	0.00048	mg/L		03/04/25 10:14	03/04/25 17:23	1

Client Sample ID: Fish Lake-20250303
Lab Sample ID: 660-141283-11

Date Collected: 03/03/25 09:35
Matrix: Water
Date Received: 03/03/25 13:45

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable (Continued)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	0.00010	U	0.0020	0.00010	mg/L		03/04/25 10:14	03/04/25 17:23	1
Thallium	0.00035	U	0.0010	0.00035	mg/L		03/04/25 10:14	03/04/25 17:23	1
Potassium	**25**		25	1.9	mg/L		03/04/25 10:14	03/04/25 17:25	100

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00040	0.00020	mg/L		03/05/25 10:49	03/05/25 16:13	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity as CaCO3 to pH 4.5 (SM 2320B-2011)	**110**		10	10	mg/L			03/04/25 14:18	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	**110**		10	10	mg/L			03/04/25 14:18	1
Total Dissolved Solids (SM 2540C - 2015)	**490**		5.0	5.0	mg/L			03/07/25 09:26	1
Sulfate (EPA 375.4)	**230**		100	50	mg/L			03/04/25 14:09	25
Chloride (SM 4500 Cl E-2011)	**36**		5.0	2.5	mg/L			03/06/25 16:29	1
Fluoride (SM 4500 F C)	**0.37**		0.10	0.022	mg/L			03/05/25 15:57	1

Client Sample ID: Lake D-20250303
Lab Sample ID: 660-141283-12

Date Collected: 03/03/25 09:00
Matrix: Water
Date Received: 03/03/25 13:45

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**56**		0.50	0.058	mg/L		03/04/25 10:18	03/04/25 16:42	1
Magnesium	**11**		1.0	0.058	mg/L		03/04/25 10:18	03/04/25 16:42	1
Sodium	**27**		0.50	0.13	mg/L		03/04/25 10:18	03/04/25 16:42	1
Lithium	0.018	U	0.020	0.018	mg/L		03/04/25 10:18	03/04/25 16:42	1
Chromium	0.0049	U	0.010	0.0049	mg/L		03/04/25 10:18	03/04/25 16:42	1
Boron	**0.038**	**I**	0.050	0.0035	mg/L		03/04/25 10:18	03/04/25 16:42	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.00039	U	0.0040	0.00039	mg/L		03/04/25 10:14	03/04/25 17:38	1
Antimony	0.00041	U	0.0020	0.00041	mg/L		03/04/25 10:14	03/04/25 17:38	1
Cadmium	0.00025	U	0.0020	0.00025	mg/L		03/04/25 10:14	03/04/25 17:38	1
Barium	**0.0056**		0.0040	0.00037	mg/L		03/04/25 10:14	03/04/25 17:38	1
Beryllium	0.00032	U	0.0010	0.00032	mg/L		03/04/25 10:14	03/04/25 17:38	1
Lead	0.00024	U	0.0020	0.00024	mg/L		03/04/25 10:14	03/04/25 17:38	1
Molybdenum	0.00025	U	0.0020	0.00025	mg/L		03/04/25 10:14	03/04/25 17:38	1
Selenium	0.00048	U	0.0040	0.00048	mg/L		03/04/25 10:14	03/04/25 17:38	1
Cobalt	**0.00010**	**I**	0.0020	0.00010	mg/L		03/04/25 10:14	03/04/25 17:38	1
Thallium	0.00035	U	0.0010	0.00035	mg/L		03/04/25 10:14	03/04/25 17:38	1
Potassium	**13**		0.25	0.019	mg/L		03/04/25 10:14	03/04/25 17:38	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00040	0.00020	mg/L		03/05/25 10:49	03/05/25 16:14	1

Client Sample ID: Lake D-20250303
Lab Sample ID: 660-141283-12

Date Collected: 03/03/25 09:00
Matrix: Water
Date Received: 03/03/25 13:45

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity as CaCO3 to pH 4.5 (SM 2320B-2011)	60		10	10	mg/L			03/05/25 12:27	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	60		10	10	mg/L			03/05/25 12:27	1
Total Dissolved Solids (SM 2540C - 2015)	300		5.0	5.0	mg/L			03/07/25 11:32	1
Sulfate (EPA 375.4)	5.6		4.0	2.0	mg/L			03/04/25 13:43	1
Chloride (SM 4500 Cl E-2011)	120		5.0	2.5	mg/L			03/06/25 16:30	1
Fluoride (SM 4500 F C)	0.43		0.10	0.022	mg/L			03/05/25 15:59	1

Client Sample ID: CCR-13-20250303
Lab Sample ID: 660-141315-1

Date Collected: 03/03/25 14:49
Matrix: Water
Date Received: 03/04/25 13:42

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	490		0.50	0.058	mg/L		03/05/25 09:12	03/05/25 17:53	1
Lithium	0.024		0.020	0.018	mg/L		03/05/25 09:12	03/05/25 17:53	1
Chromium	0.0049	U	0.010	0.0049	mg/L		03/05/25 09:12	03/05/25 17:53	1
Boron	0.27		0.050	0.0035	mg/L		03/05/25 09:12	03/05/25 17:53	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.00077	I	0.0040	0.00039	mg/L		03/05/25 09:10	03/05/25 17:25	1
Antimony	0.00041	U	0.0020	0.00041	mg/L		03/05/25 09:10	03/05/25 17:25	1
Cadmium	0.00025	U	0.0020	0.00025	mg/L		03/05/25 09:10	03/05/25 17:25	1
Barium	0.010		0.0040	0.00037	mg/L		03/05/25 09:10	03/05/25 17:25	1
Beryllium	0.00032	U	0.0010	0.00032	mg/L		03/05/25 09:10	03/05/25 17:25	1
Lead	0.00024	U	0.0020	0.00024	mg/L		03/05/25 09:10	03/05/25 17:25	1
Molybdenum	0.0041		0.0020	0.00025	mg/L		03/05/25 09:10	03/05/25 17:25	1
Selenium	0.00050	I	0.0040	0.00048	mg/L		03/05/25 09:10	03/05/25 17:25	1
Cobalt	0.00012	I	0.0020	0.00010	mg/L		03/05/25 09:10	03/05/25 17:25	1
Thallium	0.00035	U	0.0010	0.00035	mg/L		03/05/25 09:10	03/05/25 17:25	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00040	0.00020	mg/L		03/05/25 16:01	03/07/25 11:08	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C - 2015)	1800		10	10	mg/L			03/07/25 11:32	1
Sulfate (EPA 375.4)	830		100	50	mg/L			03/10/25 15:03	25
Chloride (SM 4500 Cl E-2011)	30		5.0	2.5	mg/L			03/13/25 18:27	1
Fluoride (SM 4500 F C)	0.20		0.10	0.022	mg/L			03/07/25 15:51	1

Client Sample ID: CCR-6-20250304
Lab Sample ID: 660-141315-2

Date Collected: 03/04/25 10:12
Matrix: Water
Date Received: 03/04/25 13:42

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**170**		0.50	0.058	mg/L		03/05/25 09:12	03/05/25 17:55	1
Magnesium	**5.2**		1.0	0.058	mg/L		03/05/25 09:12	03/05/25 17:55	1
Sodium	**22**		0.50	0.13	mg/L		03/05/25 09:12	03/05/25 17:55	1
Lithium	**0.11**		0.020	0.018	mg/L		03/05/25 09:12	03/05/25 17:55	1
Chromium	0.0049	U	0.010	0.0049	mg/L		03/05/25 09:12	03/05/25 17:55	1
Boron	**0.20**		0.050	0.0035	mg/L		03/05/25 09:12	03/05/25 17:55	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.00039	U	0.0040	0.00039	mg/L		03/05/25 09:10	03/05/25 17:40	1
Antimony	0.00041	U	0.0020	0.00041	mg/L		03/05/25 09:10	03/06/25 11:10	1
Cadmium	0.00025	U	0.0020	0.00025	mg/L		03/05/25 09:10	03/05/25 17:40	1
Barium	**0.0047**		0.0040	0.00037	mg/L		03/05/25 09:10	03/05/25 17:40	1
Beryllium	0.00032	U	0.0010	0.00032	mg/L		03/05/25 09:10	03/05/25 17:40	1
Lead	0.00024	U	0.0020	0.00024	mg/L		03/05/25 09:10	03/05/25 17:40	1
Molybdenum	**0.0064**		0.0020	0.00025	mg/L		03/05/25 09:10	03/05/25 17:40	1
Selenium	0.00048	U	0.0040	0.00048	mg/L		03/05/25 09:10	03/05/25 17:40	1
Cobalt	0.00010	U	0.0020	0.00010	mg/L		03/05/25 09:10	03/05/25 17:40	1
Thallium	0.00035	U	0.0010	0.00035	mg/L		03/05/25 09:10	03/05/25 17:40	1
Potassium	**33**		25	1.9	mg/L		03/05/25 09:10	03/06/25 12:01	100

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00040	0.00020	mg/L		03/05/25 16:01	03/07/25 11:09	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity as CaCO3 to pH 4.5 (SM 2320B-2011)	**170**		10	10	mg/L			03/05/25 12:23	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	**170**		10	10	mg/L			03/05/25 12:23	1
Total Dissolved Solids (SM 2540C - 2015)	**700**		5.0	5.0	mg/L			03/10/25 15:08	1
Sulfate (EPA 375.4)	**150**		20	10	mg/L			03/10/25 14:47	5
Chloride (SM 4500 Cl E-2011)	**73**		5.0	2.5	mg/L			03/06/25 16:39	1
Fluoride (SM 4500 F C)	**0.40**		0.10	0.022	mg/L			03/07/25 15:54	1

Client Sample ID: CCR-7-20250304
Lab Sample ID: 660-141315-3

Date Collected: 03/04/25 11:18
Matrix: Water
Date Received: 03/04/25 13:42

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**54**		0.50	0.058	mg/L		03/05/25 09:12	03/05/25 17:57	1
Magnesium	**3.7**		1.0	0.058	mg/L		03/05/25 09:12	03/05/25 17:57	1
Sodium	**2.6**		0.50	0.13	mg/L		03/05/25 09:12	03/05/25 17:57	1
Lithium	0.018	U	0.020	0.018	mg/L		03/05/25 09:12	03/05/25 17:57	1
Chromium	0.0049	U	0.010	0.0049	mg/L		03/05/25 09:12	03/05/25 17:57	1
Boron	**0.091**		0.050	0.0035	mg/L		03/05/25 09:12	03/05/25 17:57	1

Client Sample ID: CCR-7-20250304
Lab Sample ID: 660-141315-3

Date Collected: 03/04/25 11:18
Matrix: Water
Date Received: 03/04/25 13:42

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.00039	U	0.0040	0.00039	mg/L		03/05/25 09:10	03/05/25 17:43	1
Antimony	0.00041	U	0.0020	0.00041	mg/L		03/05/25 09:10	03/06/25 11:14	1
Cadmium	0.00025	U	0.0020	0.00025	mg/L		03/05/25 09:10	03/05/25 17:43	1
Barium	**0.0041**		0.0040	0.00037	mg/L		03/05/25 09:10	03/05/25 17:43	1
Beryllium	0.00032	U	0.0010	0.00032	mg/L		03/05/25 09:10	03/05/25 17:43	1
Lead	0.00024	U	0.0020	0.00024	mg/L		03/05/25 09:10	03/05/25 17:43	1
Molybdenum	**0.0011**	**I**	0.0020	0.00025	mg/L		03/05/25 09:10	03/05/25 17:43	1
Selenium	0.00048	U	0.0040	0.00048	mg/L		03/05/25 09:10	03/05/25 17:43	1
Cobalt	0.00010	U	0.0020	0.00010	mg/L		03/05/25 09:10	03/05/25 17:43	1
Thallium	0.00035	U	0.0010	0.00035	mg/L		03/05/25 09:10	03/05/25 17:43	1
Potassium	**11**		0.25	0.019	mg/L		03/05/25 09:10	03/05/25 17:43	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00040	0.00020	mg/L		03/05/25 16:01	03/07/25 11:10	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity as CaCO3 to pH 4.5 (SM 2320B-2011)	**26**		10	10	mg/L			03/05/25 12:05	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	**26**		10	10	mg/L			03/05/25 12:05	1
Total Dissolved Solids (SM 2540C - 2015)	**260**		5.0	5.0	mg/L			03/10/25 15:08	1
Sulfate (EPA 375.4)	**68**		20	10	mg/L			03/10/25 17:24	5
Chloride (SM 4500 Cl E-2011)	**3.3**	**I**	5.0	2.5	mg/L			03/06/25 16:41	1
Fluoride (SM 4500 F C)	**0.066**	**I**	0.10	0.022	mg/L			03/07/25 15:56	1

Client Sample ID: CCR-12-20250304
Lab Sample ID: 660-141315-4

Date Collected: 03/04/25 10:00
Matrix: Water
Date Received: 03/04/25 13:42

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**570**		0.50	0.058	mg/L		03/05/25 09:12	03/05/25 18:00	1
Magnesium	**6.2**		1.0	0.058	mg/L		03/05/25 09:12	03/05/25 18:00	1
Sodium	**14**		0.50	0.13	mg/L		03/05/25 09:12	03/05/25 18:00	1
Lithium	0.018	U	0.020	0.018	mg/L		03/05/25 09:12	03/05/25 18:00	1
Chromium	0.0049	U	0.010	0.0049	mg/L		03/05/25 09:12	03/05/25 18:00	1
Boron	**0.42**		0.050	0.0035	mg/L		03/05/25 09:12	03/05/25 18:00	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.079**		0.0040	0.00039	mg/L		03/05/25 09:10	03/05/25 17:50	1
Antimony	**0.00049**	**I**	0.0020	0.00041	mg/L		03/05/25 09:10	03/06/25 11:18	1
Cadmium	0.00025	U	0.0020	0.00025	mg/L		03/05/25 09:10	03/05/25 17:50	1
Barium	**0.022**		0.0040	0.00037	mg/L		03/05/25 09:10	03/05/25 17:50	1
Beryllium	0.00032	U	0.0010	0.00032	mg/L		03/05/25 09:10	03/05/25 17:50	1
Lead	0.00024	U	0.0020	0.00024	mg/L		03/05/25 09:10	03/05/25 17:50	1
Molybdenum	**0.012**		0.0020	0.00025	mg/L		03/05/25 09:10	03/05/25 17:50	1
Selenium	**0.0011**	**I**	0.0040	0.00048	mg/L		03/05/25 09:10	03/05/25 17:50	1

Client Sample ID: CCR-12-20250304
Lab Sample ID: 660-141315-4

Date Collected: 03/04/25 10:00
Matrix: Water
Date Received: 03/04/25 13:42

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable (Continued)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	0.00010	U	0.0020	0.00010	mg/L		03/05/25 09:10	03/05/25 17:50	1
Thallium	0.00035	U	0.0010	0.00035	mg/L		03/05/25 09:10	03/05/25 17:50	1
Potassium	**70**		25	1.9	mg/L		03/05/25 09:10	03/05/25 17:53	100

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00040	0.00020	mg/L		03/05/25 16:01	03/07/25 11:12	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity as CaCO3 to pH 4.5 (SM 2320B-2011)	**280**		10	10	mg/L			03/05/25 11:59	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	**280**		10	10	mg/L			03/05/25 11:59	1
Total Dissolved Solids (SM 2540C - 2015)	**2100**		10	10	mg/L			03/10/25 15:08	1
Sulfate (EPA 375.4)	**880**		100	50	mg/L			03/10/25 15:04	25
Chloride (SM 4500 Cl E-2011)	**730**		500	250	mg/L			03/06/25 16:42	100
Fluoride (SM 4500 F C)	**0.68**		0.10	0.022	mg/L			03/07/25 15:59	1

Client Sample ID: CCR-21-20250303
Lab Sample ID: 660-141315-5

Date Collected: 03/03/25 13:31
Matrix: Water
Date Received: 03/04/25 13:42

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**530**		0.50	0.058	mg/L		03/05/25 09:12	03/05/25 18:02	1
Magnesium	**17**		1.0	0.058	mg/L		03/05/25 09:12	03/05/25 18:02	1
Sodium	**14**		0.50	0.13	mg/L		03/05/25 09:12	03/05/25 18:02	1
Lithium	0.018	U	0.020	0.018	mg/L		03/05/25 09:12	03/05/25 18:02	1
Chromium	0.0049	U	0.010	0.0049	mg/L		03/05/25 09:12	03/05/25 18:02	1
Boron	**0.35**		0.050	0.0035	mg/L		03/05/25 09:12	03/05/25 18:02	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0043**		0.0040	0.00039	mg/L		03/05/25 09:10	03/05/25 17:55	1
Antimony	0.00041	U	0.0020	0.00041	mg/L		03/05/25 09:10	03/06/25 11:23	1
Cadmium	0.00025	U	0.0020	0.00025	mg/L		03/05/25 09:10	03/05/25 17:55	1
Barium	**0.045**		0.0040	0.00037	mg/L		03/05/25 09:10	03/05/25 17:55	1
Beryllium	0.00032	U	0.0010	0.00032	mg/L		03/05/25 09:10	03/05/25 17:55	1
Lead	0.00024	U	0.0020	0.00024	mg/L		03/05/25 09:10	03/05/25 17:55	1
Molybdenum	**0.040**		0.0020	0.00025	mg/L		03/05/25 09:10	03/05/25 17:55	1
Selenium	0.00048	U	0.0040	0.00048	mg/L		03/05/25 09:10	03/05/25 17:55	1
Cobalt	**0.00099**	**I**	0.0020	0.00010	mg/L		03/05/25 09:10	03/05/25 17:55	1
Thallium	0.00035	U	0.0010	0.00035	mg/L		03/05/25 09:10	03/05/25 17:55	1
Potassium	**16**		0.25	0.019	mg/L		03/05/25 09:10	03/05/25 17:55	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00040	0.00020	mg/L		03/05/25 16:01	03/07/25 11:13	1

Client Sample ID: CCR-21-20250303
Lab Sample ID: 660-141315-5

Date Collected: 03/03/25 13:31
Matrix: Water
Date Received: 03/04/25 13:42

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity as CaCO3 to pH 4.5 (SM 2320B-2011)	290		10	10	mg/L			03/06/25 12:45	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	290		10	10	mg/L			03/06/25 12:45	1
Total Dissolved Solids (SM 2540C - 2015)	1800		10	10	mg/L			03/07/25 11:32	1
Sulfate (EPA 375.4)	720		100	50	mg/L			03/10/25 15:04	25
Chloride (SM 4500 Cl E-2011)	11		5.0	2.5	mg/L			03/13/25 18:29	1
Fluoride (SM 4500 F C)	0.63		0.10	0.022	mg/L			03/07/25 16:02	1

Client Sample ID: SW-106-20250303
Lab Sample ID: 660-141315-6

Date Collected: 03/03/25 15:47
Matrix: Water
Date Received: 03/04/25 13:42

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	9.8		0.50	0.058	mg/L		03/05/25 09:12	03/05/25 17:50	1
Magnesium	1.6		1.0	0.058	mg/L		03/05/25 09:12	03/05/25 17:50	1
Sodium	2.2		0.50	0.13	mg/L		03/05/25 09:12	03/05/25 17:50	1
Lithium	0.018	U	0.020	0.018	mg/L		03/05/25 09:12	03/05/25 17:50	1
Chromium	0.0049	U	0.010	0.0049	mg/L		03/05/25 09:12	03/05/25 17:50	1
Boron	0.032	I	0.050	0.0035	mg/L		03/05/25 09:12	03/05/25 17:50	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.00039	U	0.0040	0.00039	mg/L		03/05/25 09:10	03/05/25 17:00	1
Antimony	0.00041	U	0.0020	0.00041	mg/L		03/05/25 09:10	03/05/25 17:00	1
Cadmium	0.00025	U	0.0020	0.00025	mg/L		03/05/25 09:10	03/05/25 17:00	1
Barium	0.011		0.0040	0.00037	mg/L		03/05/25 09:10	03/05/25 17:00	1
Beryllium	0.00032	U	0.0010	0.00032	mg/L		03/05/25 09:10	03/05/25 17:00	1
Lead	0.00041	I	0.0020	0.00024	mg/L		03/05/25 09:10	03/05/25 17:00	1
Molybdenum	0.0029		0.0020	0.00025	mg/L		03/05/25 09:10	03/05/25 17:00	1
Selenium	0.00048	U	0.0040	0.00048	mg/L		03/05/25 09:10	03/05/25 17:00	1
Cobalt	0.00010	U	0.0020	0.00010	mg/L		03/05/25 09:10	03/05/25 17:00	1
Thallium	0.00035	U	0.0010	0.00035	mg/L		03/05/25 09:10	03/05/25 17:00	1
Potassium	5.2		0.25	0.019	mg/L		03/05/25 09:10	03/05/25 17:00	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00040	0.00020	mg/L		03/05/25 16:01	03/07/25 11:14	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity as CaCO3 to pH 4.5 (SM 2320B-2011)	27		10	10	mg/L			03/06/25 12:50	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	27		10	10	mg/L			03/06/25 12:50	1
Total Dissolved Solids (SM 2540C - 2015)	60		5.0	5.0	mg/L			03/07/25 11:32	1
Sulfate (EPA 375.4)	14		4.0	2.0	mg/L			03/10/25 14:29	1
Chloride (SM 4500 Cl E-2011)	2.5	U	5.0	2.5	mg/L			03/06/25 16:43	1
Fluoride (SM 4500 F C)	0.026	I	0.10	0.022	mg/L			03/07/25 16:05	1

Client Sample ID: EB-01-20250304
Lab Sample ID: 660-141315-7

Date Collected: 03/04/25 10:27
Matrix: Water
Date Received: 03/04/25 13:42

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**0.080**	**I**	0.50	0.058	mg/L		03/05/25 09:12	03/05/25 18:05	1
Magnesium	0.058	U	1.0	0.058	mg/L		03/05/25 09:12	03/05/25 18:05	1
Sodium	0.13	U	0.50	0.13	mg/L		03/05/25 09:12	03/05/25 18:05	1
Lithium	0.018	U	0.020	0.018	mg/L		03/05/25 09:12	03/05/25 18:05	1
Chromium	0.0049	U	0.010	0.0049	mg/L		03/05/25 09:12	03/05/25 18:05	1
Boron	0.0035	U	0.050	0.0035	mg/L		03/05/25 09:12	03/05/25 18:05	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.00039	U	0.0040	0.00039	mg/L		03/05/25 09:10	03/05/25 18:03	1
Antimony	0.00041	U	0.0020	0.00041	mg/L		03/05/25 09:10	03/06/25 11:27	1
Cadmium	0.00025	U	0.0020	0.00025	mg/L		03/05/25 09:10	03/05/25 18:03	1
Barium	**0.0032**	**I**	0.0040	0.00037	mg/L		03/05/25 09:10	03/05/25 18:03	1
Beryllium	0.00032	U	0.0010	0.00032	mg/L		03/05/25 09:10	03/05/25 18:03	1
Lead	0.00024	U	0.0020	0.00024	mg/L		03/05/25 09:10	03/05/25 18:03	1
Molybdenum	0.00025	U	0.0020	0.00025	mg/L		03/05/25 09:10	03/05/25 18:03	1
Selenium	0.00048	U	0.0040	0.00048	mg/L		03/05/25 09:10	03/05/25 18:03	1
Cobalt	0.00010	U	0.0020	0.00010	mg/L		03/05/25 09:10	03/05/25 18:03	1
Thallium	0.00035	U	0.0010	0.00035	mg/L		03/05/25 09:10	03/05/25 18:03	1
Potassium	0.019	U	0.25	0.019	mg/L		03/05/25 09:10	03/05/25 18:03	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00040	0.00020	mg/L		03/05/25 16:01	03/07/25 11:16	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity as CaCO3 to pH 4.5 (SM 2320B-2011)	10	U	10	10	mg/L			03/06/25 12:53	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	10	U	10	10	mg/L			03/06/25 12:53	1
Total Dissolved Solids (SM 2540C - 2015)	**42**		5.0	5.0	mg/L			03/10/25 15:08	1
Sulfate (EPA 375.4)	2.0	U	4.0	2.0	mg/L			03/10/25 14:29	1
Chloride (SM 4500 Cl E-2011)	2.5	U	5.0	2.5	mg/L			03/06/25 16:44	1
Fluoride (SM 4500 F C)	0.022	U	0.10	0.022	mg/L			03/07/25 16:07	1

Client Sample ID: CCR-8-20250304
Lab Sample ID: 660-141358-1

Date Collected: 03/04/25 15:29
Matrix: Water
Date Received: 03/05/25 16:16

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**83**		0.50	0.058	mg/L		03/06/25 09:36	03/06/25 18:34	1
Lithium	0.018	U	0.020	0.018	mg/L		03/06/25 09:36	03/06/25 18:34	1
Chromium	0.0049	U	0.010	0.0049	mg/L		03/06/25 09:36	03/06/25 18:34	1
Boron	**0.047**	**I**	0.050	0.0035	mg/L		03/06/25 09:36	03/06/25 18:34	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.00077**	**I**	0.0040	0.00039	mg/L		03/06/25 09:34	03/06/25 15:54	1
Antimony	0.00041	U	0.0020	0.00041	mg/L		03/06/25 09:34	03/06/25 15:54	1

Client Sample ID: CCR-8-20250304
Lab Sample ID: 660-141358-1

Date Collected: 03/04/25 15:29
Matrix: Water
Date Received: 03/05/25 16:16

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable (Continued)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.00025	U	0.0020	0.00025	mg/L		03/06/25 09:34	03/06/25 15:54	1
Barium	**0.024**		0.0040	0.00037	mg/L		03/06/25 09:34	03/06/25 15:54	1
Beryllium	0.00032	U	0.0010	0.00032	mg/L		03/06/25 09:34	03/06/25 15:54	1
Lead	0.00024	U	0.0020	0.00024	mg/L		03/06/25 09:34	03/06/25 15:54	1
Molybdenum	**0.011**		0.0020	0.00025	mg/L		03/06/25 09:34	03/06/25 15:54	1
Selenium	0.00048	U	0.0040	0.00048	mg/L		03/06/25 09:34	03/06/25 15:54	1
Cobalt	**0.00018**	**I**	0.0020	0.00010	mg/L		03/06/25 09:34	03/06/25 15:54	1
Thallium	0.00035	U	0.0010	0.00035	mg/L		03/06/25 09:34	03/06/25 15:54	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00040	0.00020	mg/L		03/06/25 09:30	03/07/25 10:23	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C - 2015)	**250**		5.0	5.0	mg/L			03/10/25 15:08	1
Sulfate (EPA 375.4)	**56**		8.0	4.0	mg/L			03/10/25 15:28	2
Chloride (SM 4500 Cl E-2011)	**2.7**	**I J3**	5.0	2.5	mg/L			03/12/25 17:24	1
Fluoride (SM 4500 F C)	**0.42**		0.10	0.022	mg/L			03/07/25 14:33	1

Client Sample ID: CCR-5-20250305
Lab Sample ID: 660-141358-2

Date Collected: 03/05/25 09:34
Matrix: Water
Date Received: 03/05/25 16:16

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**1900**		0.50	0.058	mg/L		03/06/25 09:36	03/06/25 18:44	1
Magnesium	**32**		1.0	0.058	mg/L		03/06/25 09:36	03/06/25 18:44	1
Sodium	**940**		0.50	0.13	mg/L		03/06/25 09:36	03/06/25 18:44	1
Lithium	**4.6**		0.020	0.018	mg/L		03/06/25 09:36	03/07/25 11:07	1
Chromium	0.0049	U	0.010	0.0049	mg/L		03/06/25 09:36	03/06/25 18:44	1
Boron	**0.39**		0.050	0.0035	mg/L		03/06/25 09:36	03/06/25 18:44	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.00039	U	0.0040	0.00039	mg/L		03/06/25 09:34	03/06/25 15:08	1
Antimony	0.00041	U	0.0020	0.00041	mg/L		03/06/25 09:34	03/06/25 15:08	1
Cadmium	0.00025	U	0.0020	0.00025	mg/L		03/06/25 09:34	03/06/25 15:08	1
Barium	**0.16**		0.0040	0.00037	mg/L		03/06/25 09:34	03/06/25 15:08	1
Beryllium	0.00032	U	0.0010	0.00032	mg/L		03/06/25 09:34	03/06/25 15:08	1
Lead	0.00024	U	0.0020	0.00024	mg/L		03/06/25 09:34	03/06/25 15:08	1
Molybdenum	**0.0046**		0.0020	0.00025	mg/L		03/06/25 09:34	03/06/25 15:08	1
Selenium	**0.0013**	**I**	0.0040	0.00048	mg/L		03/06/25 09:34	03/06/25 15:08	1
Cobalt	**0.00011**	**I**	0.0020	0.00010	mg/L		03/06/25 09:34	03/06/25 15:08	1
Thallium	0.00035	U	0.0010	0.00035	mg/L		03/06/25 09:34	03/06/25 15:08	1
Potassium	**660**		25	1.9	mg/L		03/06/25 09:34	03/06/25 15:10	100

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00040	0.00020	mg/L		03/06/25 09:30	03/07/25 10:25	1

Client Sample ID: CCR-5-20250305
Lab Sample ID: 660-141358-2

Date Collected: 03/05/25 09:34
Matrix: Water
Date Received: 03/05/25 16:16

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity as CaCO3 to pH 4.5 (SM 2320B-2011)	70		10	10	mg/L			03/06/25 13:01	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	70		10	10	mg/L			03/06/25 13:01	1
Total Dissolved Solids (SM 2540C - 2015)	9500		25	25	mg/L			03/10/25 13:51	1
Sulfate (EPA 375.4)	400		100	50	mg/L			03/10/25 15:01	25
Chloride (SM 4500 Cl E-2011)	4500		1000	500	mg/L			03/12/25 17:29	200
Fluoride (SM 4500 F C)	0.061	I	0.10	0.022	mg/L			03/07/25 14:36	1

Client Sample ID: CCR-9-20250304
Lab Sample ID: 660-141358-3

Date Collected: 03/04/25 17:05
Matrix: Water
Date Received: 03/05/25 16:16

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	680		0.50	0.058	mg/L		03/06/25 09:36	03/06/25 18:46	1
Magnesium	56		1.0	0.058	mg/L		03/06/25 09:36	03/06/25 18:46	1
Sodium	170		0.50	0.13	mg/L		03/06/25 09:36	03/06/25 18:46	1
Lithium	0.052		0.020	0.018	mg/L		03/06/25 09:36	03/07/25 11:10	1
Chromium	0.0049	U	0.010	0.0049	mg/L		03/06/25 09:36	03/06/25 18:46	1
Boron	0.42		0.050	0.0035	mg/L		03/06/25 09:36	03/06/25 18:46	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.0069		0.0040	0.00039	mg/L		03/06/25 09:34	03/06/25 15:15	1
Antimony	0.00041	U	0.0020	0.00041	mg/L		03/06/25 09:34	03/06/25 15:15	1
Cadmium	0.00025	U	0.0020	0.00025	mg/L		03/06/25 09:34	03/06/25 15:15	1
Barium	0.056		0.0040	0.00037	mg/L		03/06/25 09:34	03/06/25 15:15	1
Beryllium	0.00032	U	0.0010	0.00032	mg/L		03/06/25 09:34	03/06/25 15:15	1
Lead	0.00024	U	0.0020	0.00024	mg/L		03/06/25 09:34	03/06/25 15:15	1
Molybdenum	0.00025	U	0.0020	0.00025	mg/L		03/06/25 09:34	03/06/25 15:15	1
Selenium	0.00082	I	0.0040	0.00048	mg/L		03/06/25 09:34	03/06/25 15:15	1
Cobalt	0.00010	U	0.0020	0.00010	mg/L		03/06/25 09:34	03/06/25 15:15	1
Thallium	0.00035	U	0.0010	0.00035	mg/L		03/06/25 09:34	03/06/25 15:15	1
Potassium	120		25	1.9	mg/L		03/06/25 09:34	03/06/25 15:18	100

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00040	0.00020	mg/L		03/06/25 09:30	03/07/25 10:26	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity as CaCO3 to pH 4.5 (SM 2320B-2011)	44		10	10	mg/L			03/06/25 13:55	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	44		10	10	mg/L			03/06/25 13:55	1
Total Dissolved Solids (SM 2540C - 2015)	3000		25	25	mg/L			03/10/25 15:08	1
Sulfate (EPA 375.4)	720		100	50	mg/L			03/10/25 15:02	25
Chloride (SM 4500 Cl E-2011)	700		500	250	mg/L			03/12/25 17:28	100
Fluoride (SM 4500 F C)	0.18		0.10	0.022	mg/L			03/07/25 14:39	1

Client Sample ID: CCR-11-20250305
Lab Sample ID: 660-141358-4

Date Collected: 03/05/25 13:48
Matrix: Water
Date Received: 03/05/25 16:16

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**650**		0.50	0.058	mg/L		03/06/25 09:36	03/06/25 18:49	1
Magnesium	**18**		1.0	0.058	mg/L		03/06/25 09:36	03/06/25 18:49	1
Sodium	**260**		0.50	0.13	mg/L		03/06/25 09:36	03/06/25 18:49	1
Lithium	0.018	U	0.020	0.018	mg/L		03/06/25 09:36	03/07/25 11:12	1
Chromium	0.0049	U	0.010	0.0049	mg/L		03/06/25 09:36	03/06/25 18:49	1
Boron	**0.32**		0.050	0.0035	mg/L		03/06/25 09:36	03/06/25 18:49	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.083**		0.0040	0.00039	mg/L		03/06/25 09:34	03/06/25 15:21	1
Antimony	0.00041	U	0.0020	0.00041	mg/L		03/06/25 09:34	03/06/25 15:21	1
Cadmium	0.00025	U	0.0020	0.00025	mg/L		03/06/25 09:34	03/06/25 15:21	1
Barium	**0.049**		0.0040	0.00037	mg/L		03/06/25 09:34	03/06/25 15:21	1
Beryllium	0.00032	U	0.0010	0.00032	mg/L		03/06/25 09:34	03/06/25 15:21	1
Lead	0.00024	U	0.0020	0.00024	mg/L		03/06/25 09:34	03/06/25 15:21	1
Molybdenum	0.00025	U	0.0020	0.00025	mg/L		03/06/25 09:34	03/06/25 15:21	1
Selenium	**0.0026**	**I**	0.0040	0.00048	mg/L		03/06/25 09:34	03/06/25 15:21	1
Cobalt	0.00010	U	0.0020	0.00010	mg/L		03/06/25 09:34	03/06/25 15:21	1
Thallium	0.00035	U	0.0010	0.00035	mg/L		03/06/25 09:34	03/06/25 15:21	1
Potassium	**340**		25	1.9	mg/L		03/06/25 09:34	03/06/25 15:23	100

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00040	0.00020	mg/L		03/06/25 09:30	03/07/25 10:27	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity as CaCO3 to pH 4.5 (SM 2320B-2011)	10	U	10	10	mg/L			03/06/25 14:00	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	10	U	10	10	mg/L			03/06/25 14:00	1
Total Dissolved Solids (SM 2540C - 2015)	**3600**		25	25	mg/L			03/10/25 13:51	1
Sulfate (EPA 375.4)	**930**		200	100	mg/L			03/10/25 15:29	50
Chloride (SM 4500 Cl E-2011)	**620**		500	250	mg/L			03/12/25 17:35	100
Fluoride (SM 4500 F C)	**0.60**		0.10	0.022	mg/L			03/07/25 14:43	1

Client Sample ID: CCR-20-20250304
Lab Sample ID: 660-141358-5

Date Collected: 03/04/25 14:00
Matrix: Water
Date Received: 03/05/25 16:16

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**610**		0.50	0.058	mg/L		03/06/25 09:36	03/06/25 18:51	1
Magnesium	**9.1**		1.0	0.058	mg/L		03/06/25 09:36	03/06/25 18:51	1
Sodium	**150**		0.50	0.13	mg/L		03/06/25 09:36	03/06/25 18:51	1
Lithium	0.018	U	0.020	0.018	mg/L		03/06/25 09:36	03/07/25 11:15	1
Chromium	0.0049	U	0.010	0.0049	mg/L		03/06/25 09:36	03/06/25 18:51	1
Boron	**0.30**		0.050	0.0035	mg/L		03/06/25 09:36	03/06/25 18:51	1

Client: City of Lakeland
Job ID: 660-141283-1
Project/Site: 2024 Semi-annual CCR Compliance Monitori

Client Sample ID: CCR-20-20250304
Lab Sample ID: 660-141358-5
Date Collected: 03/04/25 14:00
Matrix: Water
Date Received: 03/05/25 16:16

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.091**		0.0040	0.00039	mg/L		03/06/25 09:34	03/06/25 15:28	1
Antimony	0.00041	U	0.0020	0.00041	mg/L		03/06/25 09:34	03/06/25 15:28	1
Cadmium	0.00025	U	0.0020	0.00025	mg/L		03/06/25 09:34	03/06/25 15:28	1
Barium	**0.048**		0.0040	0.00037	mg/L		03/06/25 09:34	03/06/25 15:28	1
Beryllium	0.00032	U	0.0010	0.00032	mg/L		03/06/25 09:34	03/06/25 15:28	1
Lead	0.00024	U	0.0020	0.00024	mg/L		03/06/25 09:34	03/06/25 15:28	1
Molybdenum	0.00025	U	0.0020	0.00025	mg/L		03/06/25 09:34	03/06/25 15:28	1
Selenium	**0.0022**	**I**	0.0040	0.00048	mg/L		03/06/25 09:34	03/06/25 15:28	1
Cobalt	0.00010	U	0.0020	0.00010	mg/L		03/06/25 09:34	03/06/25 15:28	1
Thallium	0.00035	U	0.0010	0.00035	mg/L		03/06/25 09:34	03/06/25 15:28	1
Potassium	**310**		25	1.9	mg/L		03/06/25 09:34	03/06/25 15:31	100

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00040	0.00020	mg/L		03/06/25 09:30	03/07/25 10:29	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity as CaCO3 to pH 4.5 (SM 2320B-2011)	**14**		10	10	mg/L			03/06/25 14:05	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	**14**		10	10	mg/L			03/06/25 14:05	1
Total Dissolved Solids (SM 2540C - 2015)	**2900**		25	25	mg/L			03/10/25 15:08	1
Sulfate (EPA 375.4)	**990**		200	100	mg/L			03/10/25 15:29	50
Chloride (SM 4500 Cl E-2011)	**420**	**I**	500	250	mg/L			03/12/25 17:31	100
Fluoride (SM 4500 F C)	**0.13**		0.10	0.022	mg/L			03/07/25 16:11	1

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 670-139974/3-A
Matrix: Water
Analysis Batch: 140157

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 139974

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	0.052	U	0.45	0.052	mg/L		03/04/25 10:18	03/04/25 15:53	1
Magnesium	0.053	U	0.90	0.053	mg/L		03/04/25 10:18	03/04/25 15:53	1
Sodium	0.12	U	0.45	0.12	mg/L		03/04/25 10:18	03/04/25 15:53	1
Lithium	0.016	U	0.018	0.016	mg/L		03/04/25 10:18	03/04/25 15:53	1
Chromium	0.0044	U	0.0090	0.0044	mg/L		03/04/25 10:18	03/04/25 15:53	1
Boron	0.0032	U	0.045	0.0032	mg/L		03/04/25 10:18	03/04/25 15:53	1

Lab Sample ID: LCS 670-139974/1-A
Matrix: Water
Analysis Batch: 140157

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 139974

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Calcium	10.1	10.4		mg/L		103	80 - 120
Magnesium	10.1	10.5		mg/L		104	80 - 120
Sodium	10.1	10.3		mg/L		102	80 - 120
Lithium	1.10	1.08		mg/L		98	80 - 120
Chromium	0.100	0.0984		mg/L		98	80 - 120
Boron	0.100	0.0974		mg/L		97	80 - 120

Lab Sample ID: LCSD 670-139974/2-A
Matrix: Water
Analysis Batch: 140157

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 139974

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Calcium	10.1	10.4		mg/L		103	80 - 120	0	20
Magnesium	10.1	10.5		mg/L		104	80 - 120	0	20
Sodium	10.1	10.3		mg/L		102	80 - 120	0	20
Lithium	1.10	1.08		mg/L		98	80 - 120	0	20
Chromium	0.100	0.0981		mg/L		98	80 - 120	0	20
Boron	0.100	0.0974		mg/L		97	80 - 120	0	20

Lab Sample ID: MB 670-140234/3-A
Matrix: Water
Analysis Batch: 140482

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 140234

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	0.052	U	0.45	0.052	mg/L		03/05/25 09:12	03/05/25 17:43	1
Magnesium	0.053	U	0.90	0.053	mg/L		03/05/25 09:12	03/05/25 17:43	1
Sodium	0.12	U	0.45	0.12	mg/L		03/05/25 09:12	03/05/25 17:43	1
Lithium	0.016	U	0.018	0.016	mg/L		03/05/25 09:12	03/05/25 17:43	1
Chromium	0.0044	U	0.0090	0.0044	mg/L		03/05/25 09:12	03/05/25 17:43	1
Boron	0.0032	U	0.045	0.0032	mg/L		03/05/25 09:12	03/05/25 17:43	1

Lab Sample ID: LCS 670-140234/1-A
Matrix: Water
Analysis Batch: 140482

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 140234

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Calcium	10.1	10.8		mg/L		107	80 - 120

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: LCS 670-140234/1-A
Matrix: Water
Analysis Batch: 140482

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 140234

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Magnesium	10.1	10.9		mg/L		108	80 - 120
Sodium	10.1	10.1		mg/L		100	80 - 120
Lithium	1.10	1.13		mg/L		103	80 - 120
Chromium	0.100	0.103		mg/L		103	80 - 120
Boron	0.100	0.0994		mg/L		99	80 - 120

Lab Sample ID: LCSD 670-140234/2-A
Matrix: Water
Analysis Batch: 140482

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 140234

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Calcium	10.1	10.8		mg/L		107	80 - 120	0	20
Magnesium	10.1	11.0		mg/L		109	80 - 120	1	20
Sodium	10.1	10.2		mg/L		101	80 - 120	1	20
Lithium	1.10	1.12		mg/L		102	80 - 120	1	20
Chromium	0.100	0.103		mg/L		103	80 - 120	0	20
Boron	0.100	0.0993		mg/L		99	80 - 120	0	20

Lab Sample ID: 660-141315-6 MS
Matrix: Water
Analysis Batch: 140482

Client Sample ID: SW-106-20250303
Prep Type: Total Recoverable
Prep Batch: 140234

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Calcium	9.8		11.2	21.6		mg/L		105	70 - 120
Magnesium	1.6		11.2	13.6		mg/L		107	70 - 120
Sodium	2.2		11.2	13.4		mg/L		100	70 - 120
Lithium	0.018	U	1.22	1.25		mg/L		102	70 - 120
Chromium	0.0049	U	0.111	0.117		mg/L		105	70 - 120
Boron	0.032	I	0.111	0.145		mg/L		101	70 - 120

Lab Sample ID: 660-141315-6 MSD
Matrix: Water
Analysis Batch: 140482

Client Sample ID: SW-106-20250303
Prep Type: Total Recoverable
Prep Batch: 140234

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Calcium	9.8		11.2	21.5		mg/L		104	70 - 120	0	20
Magnesium	1.6		11.2	13.6		mg/L		107	70 - 120	0	20
Sodium	2.2		11.2	13.4		mg/L		100	70 - 120	0	20
Lithium	0.018	U	1.22	1.24		mg/L		101	70 - 120	1	20
Chromium	0.0049	U	0.111	0.117		mg/L		106	70 - 120	0	20
Boron	0.032	I	0.111	0.146		mg/L		102	70 - 120	1	20

Lab Sample ID: MB 670-140498/3-A
Matrix: Water
Analysis Batch: 140713

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 140498

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	0.052	U	0.45	0.052	mg/L		03/06/25 09:36	03/06/25 18:04	1
Magnesium	0.053	U	0.90	0.053	mg/L		03/06/25 09:36	03/06/25 18:04	1
Sodium	0.12	U	0.45	0.12	mg/L		03/06/25 09:36	03/06/25 18:04	1

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: MB 670-140498/3-A
Matrix: Water
Analysis Batch: 140713

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 140498

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.016	U	0.018	0.016	mg/L		03/06/25 09:36	03/06/25 18:04	1
Chromium	0.0044	U	0.0090	0.0044	mg/L		03/06/25 09:36	03/06/25 18:04	1
Boron	0.0032	U	0.045	0.0032	mg/L		03/06/25 09:36	03/06/25 18:04	1

Lab Sample ID: LCS 670-140498/1-A
Matrix: Water
Analysis Batch: 140713

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 140498

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Calcium	10.1	10.4		mg/L		103	80 - 120
Magnesium	10.1	10.5		mg/L		104	80 - 120
Sodium	10.1	10.3		mg/L		102	80 - 120
Lithium	1.10	1.07		mg/L		97	80 - 120
Chromium	0.100	0.101		mg/L		101	80 - 120
Boron	0.100	0.0998		mg/L		100	80 - 120

Lab Sample ID: LCSD 670-140498/2-A
Matrix: Water
Analysis Batch: 140713

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 140498

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Calcium	10.1	10.4		mg/L		103	80 - 120	0	20
Magnesium	10.1	10.5		mg/L		104	80 - 120	0	20
Sodium	10.1	10.4		mg/L		103	80 - 120	0	20
Lithium	1.10	1.07		mg/L		98	80 - 120	0	20
Chromium	0.100	0.101		mg/L		101	80 - 120	0	20
Boron	0.100	0.0992		mg/L		99	80 - 120	1	20

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 670-139973/3-A
Matrix: Water
Analysis Batch: 140158

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 139973

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.00035	U	0.0036	0.00035	mg/L		03/04/25 10:14	03/04/25 16:12	1
Antimony	0.00037	U	0.0018	0.00037	mg/L		03/04/25 10:14	03/04/25 16:12	1
Cadmium	0.00022	U	0.0018	0.00022	mg/L		03/04/25 10:14	03/04/25 16:12	1
Barium	0.00033	U	0.0036	0.00033	mg/L		03/04/25 10:14	03/04/25 16:12	1
Beryllium	0.00029	U	0.00090	0.00029	mg/L		03/04/25 10:14	03/04/25 16:12	1
Lead	0.00022	U	0.0018	0.00022	mg/L		03/04/25 10:14	03/04/25 16:12	1
Molybdenum	0.00022	U	0.0018	0.00022	mg/L		03/04/25 10:14	03/04/25 16:12	1
Selenium	0.00043	U	0.0036	0.00043	mg/L		03/04/25 10:14	03/04/25 16:12	1
Cobalt	0.000092	U	0.0018	0.000092	mg/L		03/04/25 10:14	03/04/25 16:12	1
Thallium	0.00031	U	0.00090	0.00031	mg/L		03/04/25 10:14	03/04/25 16:12	1
Potassium	0.017	U	0.23	0.017	mg/L		03/04/25 10:14	03/04/25 16:12	1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 670-139973/1-A
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total Recoverable
Analysis Batch: 140158
Prep Batch: 139973

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Arsenic			0.100	0.101		mg/L		101	80 - 120		
Antimony			0.100	0.0958		mg/L		96	80 - 120		
Cadmium			0.100	0.0941		mg/L		94	80 - 120		
Barium			0.100	0.0975		mg/L		97	80 - 120		
Beryllium			0.100	0.0924		mg/L		92	80 - 120		
Lead			0.100	0.0935		mg/L		94	80 - 120		
Molybdenum			0.100	0.101		mg/L		101	80 - 120		
Selenium			0.100	0.101		mg/L		101	80 - 120		
Cobalt			0.100	0.0987		mg/L		99	80 - 120		
Thallium			0.100	0.0937		mg/L		94	80 - 120		
Potassium			10.1	10.0		mg/L		99	80 - 120		

Lab Sample ID: LCSD 670-139973/2-A
Client Sample ID: Lab Control Sample Dup
Matrix: Water
Prep Type: Total Recoverable
Analysis Batch: 140158
Prep Batch: 139973

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic			0.100	0.103		mg/L		103	80 - 120	2	20
Antimony			0.100	0.0964		mg/L		96	80 - 120	1	20
Cadmium			0.100	0.0928		mg/L		93	80 - 120	1	20
Barium			0.100	0.0967		mg/L		97	80 - 120	1	20
Beryllium			0.100	0.0909		mg/L		91	80 - 120	2	20
Lead			0.100	0.0937		mg/L		94	80 - 120	0	20
Molybdenum			0.100	0.103		mg/L		103	80 - 120	2	20
Selenium			0.100	0.102		mg/L		102	80 - 120	1	20
Cobalt			0.100	0.0971		mg/L		97	80 - 120	2	20
Thallium			0.100	0.0938		mg/L		94	80 - 120	0	20
Potassium			10.1	10.2		mg/L		101	80 - 120	2	20

Lab Sample ID: 660-141315-6 MS
Client Sample ID: SW-106-20250303
Matrix: Water
Prep Type: Total Recoverable
Analysis Batch: 140456
Prep Batch: 140233

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Arsenic	0.00039	U	0.111	0.110		mg/L		99	75 - 125		
Antimony	0.00041	U	0.111	0.101		mg/L		91	75 - 125		
Cadmium	0.00025	U	0.111	0.108		mg/L		97	75 - 125		
Barium	0.011		0.111	0.130		mg/L		107	75 - 125		
Beryllium	0.00032	U	0.111	0.121		mg/L		109	75 - 125		
Lead	0.00041	I	0.111	0.114		mg/L		102	75 - 125		
Molybdenum	0.0029		0.111	0.119		mg/L		105	75 - 125		
Selenium	0.00048	U	0.111	0.104		mg/L		94	75 - 125		
Cobalt	0.00010	U	0.111	0.106		mg/L		95	75 - 125		
Thallium	0.00035	U	0.111	0.112		mg/L		101	75 - 125		
Potassium	5.2		11.2	16.3		mg/L		99	75 - 125		

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 660-141315-6 MSD
Client Sample ID: SW-106-20250303
Matrix: Water
Prep Type: Total Recoverable
Analysis Batch: 140456
Prep Batch: 140233

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	0.00039	U	0.111	0.110		mg/L		99	75 - 125	0	20
Antimony	0.00041	U	0.111	0.0994		mg/L		89	75 - 125	1	20
Cadmium	0.00025	U	0.111	0.110		mg/L		99	75 - 125	1	20
Barium	0.011		0.111	0.127		mg/L		105	75 - 125	3	20
Beryllium	0.00032	U	0.111	0.119		mg/L		107	75 - 125	2	20
Lead	0.00041	I	0.111	0.113		mg/L		101	75 - 125	1	20
Molybdenum	0.0029		0.111	0.115		mg/L		101	75 - 125	4	20
Selenium	0.00048	U	0.111	0.106		mg/L		95	75 - 125	1	20
Cobalt	0.00010	U	0.111	0.106		mg/L		96	75 - 125	0	20
Thallium	0.00035	U	0.111	0.109		mg/L		99	75 - 125	2	20
Potassium	5.2		11.2	16.2		mg/L		98	75 - 125	1	20

Lab Sample ID: MB 670-140496/3-A
Client Sample ID: Method Blank
Matrix: Water
Prep Type: Total Recoverable
Analysis Batch: 140751
Prep Batch: 140496

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.00035	U	0.0036	0.00035	mg/L		03/06/25 09:34	03/06/25 14:48	1
Antimony	0.00037	U	0.0018	0.00037	mg/L		03/06/25 09:34	03/06/25 14:48	1
Cadmium	0.00022	U	0.0018	0.00022	mg/L		03/06/25 09:34	03/06/25 14:48	1
Barium	0.00033	U	0.0036	0.00033	mg/L		03/06/25 09:34	03/06/25 14:48	1
Beryllium	0.00029	U	0.00090	0.00029	mg/L		03/06/25 09:34	03/06/25 14:48	1
Lead	0.00022	U	0.0018	0.00022	mg/L		03/06/25 09:34	03/06/25 14:48	1
Molybdenum	0.00022	U	0.0018	0.00022	mg/L		03/06/25 09:34	03/06/25 14:48	1
Selenium	0.00043	U	0.0036	0.00043	mg/L		03/06/25 09:34	03/06/25 14:48	1
Cobalt	0.000092	U	0.0018	0.000092	mg/L		03/06/25 09:34	03/06/25 14:48	1
Thallium	0.00031	U	0.00090	0.00031	mg/L		03/06/25 09:34	03/06/25 14:48	1
Potassium	0.017	U	0.23	0.017	mg/L		03/06/25 09:34	03/06/25 14:48	1

Lab Sample ID: LCS 670-140496/1-A
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total Recoverable
Analysis Batch: 140751
Prep Batch: 140496

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.100	0.0949		mg/L		95	80 - 120
Antimony	0.100	0.101		mg/L		101	80 - 120
Cadmium	0.100	0.0957		mg/L		96	80 - 120
Barium	0.100	0.104		mg/L		104	80 - 120
Beryllium	0.100	0.103		mg/L		103	80 - 120
Lead	0.100	0.0973		mg/L		97	80 - 120
Molybdenum	0.100	0.103		mg/L		103	80 - 120
Selenium	0.100	0.0937		mg/L		94	80 - 120
Cobalt	0.100	0.0943		mg/L		94	80 - 120
Thallium	0.100	0.101		mg/L		101	80 - 120
Potassium	10.1	10.4		mg/L		103	80 - 120

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LCSD 670-140496/2-A
Matrix: Water
Analysis Batch: 140751

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 140496

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic			0.100	0.0944		mg/L		94	80 - 120	1	20
Antimony			0.100	0.100		mg/L		100	80 - 120	1	20
Cadmium			0.100	0.0962		mg/L		96	80 - 120	1	20
Barium			0.100	0.103		mg/L		103	80 - 120	1	20
Beryllium			0.100	0.105		mg/L		105	80 - 120	2	20
Lead			0.100	0.0956		mg/L		96	80 - 120	2	20
Molybdenum			0.100	0.103		mg/L		103	80 - 120	0	20
Selenium			0.100	0.0916		mg/L		92	80 - 120	2	20
Cobalt			0.100	0.0948		mg/L		95	80 - 120	1	20
Thallium			0.100	0.102		mg/L		102	80 - 120	0	20
Potassium			10.1	10.1		mg/L		100	80 - 120	3	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 670-140055/12-A
Matrix: Water
Analysis Batch: 140344

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 140055

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00040	0.00020	mg/L		03/04/25 15:38	03/05/25 14:47	1

Lab Sample ID: LCS 670-140055/10-A
Matrix: Water
Analysis Batch: 140344

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 140055

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury			0.00500	0.00459		mg/L		92	85 - 115		

Lab Sample ID: LCSD 670-140055/11-A
Matrix: Water
Analysis Batch: 140344

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 140055

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury			0.00500	0.00450		mg/L		90	85 - 115	2	20

Lab Sample ID: 660-141283-1 MS
Matrix: Water
Analysis Batch: 140344

Client Sample ID: CCR-1-20250228
Prep Type: Total/NA
Prep Batch: 140055

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury	0.00020	U	0.00500	0.00502		mg/L		100	80 - 120		

Lab Sample ID: 660-141283-1 MSD
Matrix: Water
Analysis Batch: 140344

Client Sample ID: CCR-1-20250228
Prep Type: Total/NA
Prep Batch: 140055

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.00020	U	0.00500	0.00492		mg/L		98	80 - 120	2	20

Method: 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: MB 670-140266/12-A
Matrix: Water
Analysis Batch: 140344

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 140266

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00040	0.00020	mg/L		03/05/25 10:49	03/05/25 15:41	1

Lab Sample ID: LCS 670-140266/10-A
Matrix: Water
Analysis Batch: 140344

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 140266

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00500	0.00506		mg/L		101	85 - 115

Lab Sample ID: LCSD 670-140266/11-A
Matrix: Water
Analysis Batch: 140344

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 140266

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.00500	0.00503		mg/L		101	85 - 115	1	20

Lab Sample ID: MB 670-140338/12-A
Matrix: Water
Analysis Batch: 140843

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 140338

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00040	0.00020	mg/L		03/05/25 16:01	03/07/25 10:40	1

Lab Sample ID: LCS 670-140338/10-A
Matrix: Water
Analysis Batch: 140843

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 140338

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00500	0.00532		mg/L		106	85 - 115

Lab Sample ID: MB 670-140494/12-A
Matrix: Water
Analysis Batch: 140843

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 140494

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00040	0.00020	mg/L		03/06/25 09:30	03/07/25 09:53	1

Lab Sample ID: LCS 670-140494/10-A
Matrix: Water
Analysis Batch: 140843

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 140494

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00500	0.00529		mg/L		106	85 - 115

Lab Sample ID: LCSD 670-140494/11-A
Matrix: Water
Analysis Batch: 140843

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 140494

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.00500	0.00516		mg/L		103	85 - 115	2	20

Method: 2320B-2011 - Alkalinity, Total

Lab Sample ID: MB 670-140106/4
Matrix: Water
Analysis Batch: 140106

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity as CaCO3 to pH 4.5	10	U	10	10	mg/L			03/04/25 12:12	1
Bicarbonate Alkalinity as CaCO3	10	U	10	10	mg/L			03/04/25 12:12	1

Lab Sample ID: LCS 670-140106/3
Matrix: Water
Analysis Batch: 140106

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Alkalinity as CaCO3 to pH 4.5	100	105		mg/L		105	90 - 110

Lab Sample ID: MB 670-140324/4
Matrix: Water
Analysis Batch: 140324

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity as CaCO3 to pH 4.5	10	U	10	10	mg/L			03/05/25 11:32	1
Bicarbonate Alkalinity as CaCO3	10	U	10	10	mg/L			03/05/25 11:32	1

Lab Sample ID: LCS 670-140324/3
Matrix: Water
Analysis Batch: 140324

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Alkalinity as CaCO3 to pH 4.5	100	103		mg/L		103	90 - 110

Lab Sample ID: MB 670-140616/4
Matrix: Water
Analysis Batch: 140616

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity as CaCO3 to pH 4.5	10	U	10	10	mg/L			03/06/25 11:49	1
Bicarbonate Alkalinity as CaCO3	10	U	10	10	mg/L			03/06/25 11:49	1

Lab Sample ID: LCS 670-140616/3
Matrix: Water
Analysis Batch: 140616

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Alkalinity as CaCO3 to pH 4.5	100	106		mg/L		106	90 - 110

Method: 2540C - 2015 - Total Dissolved Solids (Dried at 180 °C)

Lab Sample ID: MB 670-140561/1
Matrix: Water
Analysis Batch: 140561

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	5.0	U	5.0	5.0	mg/L			03/06/25 12:29	1

Method: 2540C - 2015 - Total Dissolved Solids (Dried at 180 °C) (Continued)

Lab Sample ID: LCS 670-140561/2
Matrix: Water
Analysis Batch: 140561

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	750	706		mg/L		94	80 - 120

Lab Sample ID: MB 670-140759/1
Matrix: Water
Analysis Batch: 140759

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	5.0	U	5.0	5.0	mg/L			03/07/25 09:26	1

Lab Sample ID: LCS 670-140759/2
Matrix: Water
Analysis Batch: 140759

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	750	664		mg/L		89	80 - 120

Lab Sample ID: MB 670-140799/1
Matrix: Water
Analysis Batch: 140799

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	5.0	U	5.0	5.0	mg/L			03/07/25 11:32	1

Lab Sample ID: LCS 670-140799/2
Matrix: Water
Analysis Batch: 140799

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	750	686		mg/L		91	80 - 120

Lab Sample ID: MB 670-141063/1
Matrix: Water
Analysis Batch: 141063

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	5.0	U	5.0	5.0	mg/L			03/10/25 13:51	1

Lab Sample ID: LCS 670-141063/2
Matrix: Water
Analysis Batch: 141063

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	750	670		mg/L		89	80 - 120

Lab Sample ID: MB 670-141078/1
Matrix: Water
Analysis Batch: 141078

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	5.0	U	5.0	5.0	mg/L			03/10/25 15:08	1

Method: 2540C - 2015 - Total Dissolved Solids (Dried at 180 °C)

Lab Sample ID: LCS 670-141078/2
Matrix: Water
Analysis Batch: 141078

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Dissolved Solids			750	678		mg/L		90	80 - 120		

Method: 375.4 - Sulfate

Lab Sample ID: MB 670-140058/5
Matrix: Water
Analysis Batch: 140058

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	2.0	U	4.0	2.0	mg/L			03/04/25 13:34	1

Lab Sample ID: LCS 670-140058/3
Matrix: Water
Analysis Batch: 140058

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Sulfate			20.0	20.4		mg/L		102	90 - 110		

Lab Sample ID: LCSD 670-140058/4
Matrix: Water
Analysis Batch: 140058

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfate			20.0	20.1		mg/L		101	90 - 110	1	20

Lab Sample ID: 660-141283-1 MS
Matrix: Water
Analysis Batch: 140058

Client Sample ID: CCR-1-20250228
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Sulfate	120	J3	6.25	116	J3	mg/L		-79	90 - 110		

Lab Sample ID: MB 670-141343/14
Matrix: Water
Analysis Batch: 141343

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	2.0	U	4.0	2.0	mg/L			03/10/25 14:19	1

Lab Sample ID: LCS 670-141343/12
Matrix: Water
Analysis Batch: 141343

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Sulfate			20.0	21.7		mg/L		109	90 - 110		

Method: 375.4 - Sulfate (Continued)

Lab Sample ID: LCSD 670-141343/13
Matrix: Water
Analysis Batch: 141343

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfate			20.0	21.0		mg/L		105	90 - 110	3	20

Method: 4500 Cl E-2011 - Chloride, Total

Lab Sample ID: MB 670-140650/13
Matrix: Water
Analysis Batch: 140650

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2.5	U	5.0	2.5	mg/L			03/06/25 15:41	1

Lab Sample ID: MB 670-140650/45
Matrix: Water
Analysis Batch: 140650

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2.5	U	5.0	2.5	mg/L			03/06/25 16:19	1

Lab Sample ID: LCS 670-140650/11
Matrix: Water
Analysis Batch: 140650

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			150	160		mg/L		107	90 - 110		

Lab Sample ID: LCS 670-140650/43
Matrix: Water
Analysis Batch: 140650

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			150	157		mg/L		105	90 - 110		

Lab Sample ID: LCSD 670-140650/12
Matrix: Water
Analysis Batch: 140650

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			150	160		mg/L		107	90 - 110	0	20

Lab Sample ID: LCSD 670-140650/44
Matrix: Water
Analysis Batch: 140650

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			150	156		mg/L		104	90 - 110	1	20

Method: 4500 Cl E-2011 - Chloride, Total (Continued)

Lab Sample ID: 660-141283-7 MS
Client Sample ID: CCR-18-20250228
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 140650

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	3.4	I	100	110		mg/L		107	90 - 110

Lab Sample ID: 660-141283-7 MSD
Client Sample ID: CCR-18-20250228
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 140650

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	3.4	I	100	110		mg/L		107	90 - 110	0	20

Lab Sample ID: MB 670-141679/13
Client Sample ID: Method Blank
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 141679

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2.5	U	5.0	2.5	mg/L			03/12/25 16:49	1

Lab Sample ID: MB 670-141679/42
Client Sample ID: Method Blank
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 141679

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2.5	U	5.0	2.5	mg/L			03/12/25 17:23	1

Lab Sample ID: 660-141358-1 MS
Client Sample ID: CCR-8-20250304
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 141679

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	2.7	I J3	10000	108	J3	mg/L		1	90 - 110

Lab Sample ID: 660-141358-1 MSD
Client Sample ID: CCR-8-20250304
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 141679

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	2.7	I J3	10000	104	J3	mg/L		1	90 - 110	4	20

Lab Sample ID: MB 670-141883/13
Client Sample ID: Method Blank
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 141883

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2.5	U	5.0	2.5	mg/L			03/13/25 15:25	1

Lab Sample ID: LCS 670-141883/11
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 141883

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	150	146		mg/L		97	90 - 110

Method: 4500 Cl E-2011 - Chloride, Total

Lab Sample ID: LCSD 670-141883/12
Matrix: Water
Analysis Batch: 141883

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			150	146		mg/L		97	90 - 110	0	20

Lab Sample ID: MB 670-141927/13
Matrix: Water
Analysis Batch: 141927

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2.5	U	5.0	2.5	mg/L			03/13/25 18:19	1

Lab Sample ID: LCS 670-141927/11
Matrix: Water
Analysis Batch: 141927

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			150	149		mg/L		99	90 - 110		

Lab Sample ID: LCSD 670-141927/12
Matrix: Water
Analysis Batch: 141927

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			150	145		mg/L		97	90 - 110	3	20

Method: SM 4500 F C - Fluoride

Lab Sample ID: MB 400-701353/9
Matrix: Water
Analysis Batch: 701353

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	0.022	U	0.10	0.022	mg/L			03/05/25 13:41	1

Lab Sample ID: LCS 400-701353/11
Matrix: Water
Analysis Batch: 701353

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Fluoride			4.98	4.84		mg/L		97	90 - 110		

Lab Sample ID: MRL 400-701353/10
Matrix: Water
Analysis Batch: 701353

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits		
Fluoride			0.100	0.103		mg/L		103	50 - 150		

Method: SM 4500 F C - Fluoride (Continued)

Lab Sample ID: 660-141283-1 DU
Client Sample ID: CCR-1-20250228
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 701353

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Fluoride	0.028	I	0.0279	I	mg/L		0	4

Lab Sample ID: MB 400-701355/1
Client Sample ID: Method Blank
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 701355

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	0.022	U	0.10	0.022	mg/L			03/05/25 15:38	1

Lab Sample ID: LCS 400-701355/3
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 701355

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	4.98	5.03		mg/L		101	90 - 110

Lab Sample ID: MRL 400-701355/2
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 701355

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	0.100	0.107		mg/L		107	50 - 150

Lab Sample ID: MB 400-701643/9
Client Sample ID: Method Blank
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 701643

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	0.022	U	0.10	0.022	mg/L			03/07/25 13:31	1

Lab Sample ID: LCS 400-701643/11
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 701643

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	5.00	5.04		mg/L		101	90 - 110

Lab Sample ID: MRL 400-701643/10
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 701643

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	0.100	0.103		mg/L		103	50 - 150

Lab Sample ID: MB 400-701644/1
Client Sample ID: Method Blank
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 701644

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	0.022	U	0.10	0.022	mg/L			03/07/25 14:56	1

Method: SM 4500 F C - Fluoride

Lab Sample ID: LCS 400-701644/3
Matrix: Water
Analysis Batch: 701644

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	5.00	5.24		mg/L		105	90 - 110

Lab Sample ID: MRL 400-701644/2
Matrix: Water
Analysis Batch: 701644

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	0.100	0.103		mg/L		103	50 - 150

Metals

Prep Batch: 139973

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-141283-1	CCR-1-20250228	Total Recoverable	Water	3005A	
660-141283-2	CCR-2-20250228	Total Recoverable	Water	3005A	
660-141283-3	CCR-4-20250228	Total Recoverable	Water	3005A	
660-141283-4	CCR-15-20250227	Total Recoverable	Water	3005A	
660-141283-5	CCR-16-20250227	Total Recoverable	Water	3005A	
660-141283-6	CCR-17-20250228	Total Recoverable	Water	3005A	
660-141283-7	CCR-18-20250228	Total Recoverable	Water	3005A	
660-141283-8	CCR-19-20250228	Total Recoverable	Water	3005A	
660-141283-9	CCR-22-20250228	Total Recoverable	Water	3005A	
660-141283-10	CCR-23-20250228	Total Recoverable	Water	3005A	
660-141283-11	Fish Lake-20250303	Total Recoverable	Water	3005A	
660-141283-12	Lake D-20250303	Total Recoverable	Water	3005A	
MB 670-139973/3-A	Method Blank	Total Recoverable	Water	3005A	
LCS 670-139973/1-A	Lab Control Sample	Total Recoverable	Water	3005A	
LCSD 670-139973/2-A	Lab Control Sample Dup	Total Recoverable	Water	3005A	

Prep Batch: 139974

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-141283-1	CCR-1-20250228	Total Recoverable	Water	3005A	
660-141283-2	CCR-2-20250228	Total Recoverable	Water	3005A	
660-141283-3	CCR-4-20250228	Total Recoverable	Water	3005A	
660-141283-4	CCR-15-20250227	Total Recoverable	Water	3005A	
660-141283-5	CCR-16-20250227	Total Recoverable	Water	3005A	
660-141283-6	CCR-17-20250228	Total Recoverable	Water	3005A	
660-141283-7	CCR-18-20250228	Total Recoverable	Water	3005A	
660-141283-8	CCR-19-20250228	Total Recoverable	Water	3005A	
660-141283-9	CCR-22-20250228	Total Recoverable	Water	3005A	
660-141283-10	CCR-23-20250228	Total Recoverable	Water	3005A	
660-141283-11	Fish Lake-20250303	Total Recoverable	Water	3005A	
660-141283-12	Lake D-20250303	Total Recoverable	Water	3005A	
MB 670-139974/3-A	Method Blank	Total Recoverable	Water	3005A	
LCS 670-139974/1-A	Lab Control Sample	Total Recoverable	Water	3005A	
LCSD 670-139974/2-A	Lab Control Sample Dup	Total Recoverable	Water	3005A	

Prep Batch: 140055

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-141283-1	CCR-1-20250228	Total/NA	Water	7470A	
660-141283-2	CCR-2-20250228	Total/NA	Water	7470A	
660-141283-3	CCR-4-20250228	Total/NA	Water	7470A	
660-141283-4	CCR-15-20250227	Total/NA	Water	7470A	
660-141283-5	CCR-16-20250227	Total/NA	Water	7470A	
660-141283-6	CCR-17-20250228	Total/NA	Water	7470A	
MB 670-140055/12-A	Method Blank	Total/NA	Water	7470A	
LCS 670-140055/10-A	Lab Control Sample	Total/NA	Water	7470A	
LCSD 670-140055/11-A	Lab Control Sample Dup	Total/NA	Water	7470A	
660-141283-1 MS	CCR-1-20250228	Total/NA	Water	7470A	
660-141283-1 MSD	CCR-1-20250228	Total/NA	Water	7470A	

Analysis Batch: 140157

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-141283-1	CCR-1-20250228	Total Recoverable	Water	6010D	139974

Metals (Continued)

Analysis Batch: 140157 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-141283-2	CCR-2-20250228	Total Recoverable	Water	6010D	139974
660-141283-3	CCR-4-20250228	Total Recoverable	Water	6010D	139974
660-141283-4	CCR-15-20250227	Total Recoverable	Water	6010D	139974
660-141283-5	CCR-16-20250227	Total Recoverable	Water	6010D	139974
660-141283-6	CCR-17-20250228	Total Recoverable	Water	6010D	139974
660-141283-7	CCR-18-20250228	Total Recoverable	Water	6010D	139974
660-141283-8	CCR-19-20250228	Total Recoverable	Water	6010D	139974
660-141283-9	CCR-22-20250228	Total Recoverable	Water	6010D	139974
660-141283-10	CCR-23-20250228	Total Recoverable	Water	6010D	139974
660-141283-11	Fish Lake-20250303	Total Recoverable	Water	6010D	139974
660-141283-12	Lake D-20250303	Total Recoverable	Water	6010D	139974
MB 670-139974/3-A	Method Blank	Total Recoverable	Water	6010D	139974
LCS 670-139974/1-A	Lab Control Sample	Total Recoverable	Water	6010D	139974
LCSD 670-139974/2-A	Lab Control Sample Dup	Total Recoverable	Water	6010D	139974

Analysis Batch: 140158

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-141283-1	CCR-1-20250228	Total Recoverable	Water	6020B	139973
660-141283-2	CCR-2-20250228	Total Recoverable	Water	6020B	139973
660-141283-3	CCR-4-20250228	Total Recoverable	Water	6020B	139973
660-141283-4	CCR-15-20250227	Total Recoverable	Water	6020B	139973
660-141283-5	CCR-16-20250227	Total Recoverable	Water	6020B	139973
660-141283-5	CCR-16-20250227	Total Recoverable	Water	6020B	139973
660-141283-6	CCR-17-20250228	Total Recoverable	Water	6020B	139973
660-141283-7	CCR-18-20250228	Total Recoverable	Water	6020B	139973
660-141283-8	CCR-19-20250228	Total Recoverable	Water	6020B	139973
660-141283-8	CCR-19-20250228	Total Recoverable	Water	6020B	139973
660-141283-9	CCR-22-20250228	Total Recoverable	Water	6020B	139973
660-141283-9	CCR-22-20250228	Total Recoverable	Water	6020B	139973
660-141283-10	CCR-23-20250228	Total Recoverable	Water	6020B	139973
660-141283-11	Fish Lake-20250303	Total Recoverable	Water	6020B	139973
660-141283-11	Fish Lake-20250303	Total Recoverable	Water	6020B	139973
660-141283-12	Lake D-20250303	Total Recoverable	Water	6020B	139973
MB 670-139973/3-A	Method Blank	Total Recoverable	Water	6020B	139973
LCS 670-139973/1-A	Lab Control Sample	Total Recoverable	Water	6020B	139973
LCSD 670-139973/2-A	Lab Control Sample Dup	Total Recoverable	Water	6020B	139973

Prep Batch: 140233

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-141315-1	CCR-13-20250303	Total Recoverable	Water	3005A	
660-141315-2	CCR-6-20250304	Total Recoverable	Water	3005A	
660-141315-3	CCR-7-20250304	Total Recoverable	Water	3005A	
660-141315-4	CCR-12-20250304	Total Recoverable	Water	3005A	
660-141315-5	CCR-21-20250303	Total Recoverable	Water	3005A	
660-141315-6	SW-106-20250303	Total Recoverable	Water	3005A	
660-141315-7	EB-01-20250304	Total Recoverable	Water	3005A	
660-141315-6 MS	SW-106-20250303	Total Recoverable	Water	3005A	
660-141315-6 MSD	SW-106-20250303	Total Recoverable	Water	3005A	

Metals

Prep Batch: 140234

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-141315-1	CCR-13-20250303	Total Recoverable	Water	3005A	
660-141315-2	CCR-6-20250304	Total Recoverable	Water	3005A	
660-141315-3	CCR-7-20250304	Total Recoverable	Water	3005A	
660-141315-4	CCR-12-20250304	Total Recoverable	Water	3005A	
660-141315-5	CCR-21-20250303	Total Recoverable	Water	3005A	
660-141315-6	SW-106-20250303	Total Recoverable	Water	3005A	
660-141315-7	EB-01-20250304	Total Recoverable	Water	3005A	
MB 670-140234/3-A	Method Blank	Total Recoverable	Water	3005A	
LCS 670-140234/1-A	Lab Control Sample	Total Recoverable	Water	3005A	
LCSD 670-140234/2-A	Lab Control Sample Dup	Total Recoverable	Water	3005A	
660-141315-6 MS	SW-106-20250303	Total Recoverable	Water	3005A	
660-141315-6 MSD	SW-106-20250303	Total Recoverable	Water	3005A	

Prep Batch: 140266

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-141283-7	CCR-18-20250228	Total/NA	Water	7470A	
660-141283-8	CCR-19-20250228	Total/NA	Water	7470A	
660-141283-9	CCR-22-20250228	Total/NA	Water	7470A	
660-141283-10	CCR-23-20250228	Total/NA	Water	7470A	
660-141283-11	Fish Lake-20250303	Total/NA	Water	7470A	
660-141283-12	Lake D-20250303	Total/NA	Water	7470A	
MB 670-140266/12-A	Method Blank	Total/NA	Water	7470A	
LCS 670-140266/10-A	Lab Control Sample	Total/NA	Water	7470A	
LCSD 670-140266/11-A	Lab Control Sample Dup	Total/NA	Water	7470A	

Prep Batch: 140338

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-141315-1	CCR-13-20250303	Total/NA	Water	7470A	
660-141315-2	CCR-6-20250304	Total/NA	Water	7470A	
660-141315-3	CCR-7-20250304	Total/NA	Water	7470A	
660-141315-4	CCR-12-20250304	Total/NA	Water	7470A	
660-141315-5	CCR-21-20250303	Total/NA	Water	7470A	
660-141315-6	SW-106-20250303	Total/NA	Water	7470A	
660-141315-7	EB-01-20250304	Total/NA	Water	7470A	
MB 670-140338/12-A	Method Blank	Total/NA	Water	7470A	
LCS 670-140338/10-A	Lab Control Sample	Total/NA	Water	7470A	

Analysis Batch: 140344

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-141283-1	CCR-1-20250228	Total/NA	Water	7470A	140055
660-141283-2	CCR-2-20250228	Total/NA	Water	7470A	140055
660-141283-3	CCR-4-20250228	Total/NA	Water	7470A	140055
660-141283-4	CCR-15-20250227	Total/NA	Water	7470A	140055
660-141283-5	CCR-16-20250227	Total/NA	Water	7470A	140055
660-141283-6	CCR-17-20250228	Total/NA	Water	7470A	140055
660-141283-7	CCR-18-20250228	Total/NA	Water	7470A	140266
660-141283-8	CCR-19-20250228	Total/NA	Water	7470A	140266
660-141283-9	CCR-22-20250228	Total/NA	Water	7470A	140266
660-141283-10	CCR-23-20250228	Total/NA	Water	7470A	140266
660-141283-11	Fish Lake-20250303	Total/NA	Water	7470A	140266
660-141283-12	Lake D-20250303	Total/NA	Water	7470A	140266

Metals (Continued)

Analysis Batch: 140344 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 670-140055/12-A	Method Blank	Total/NA	Water	7470A	140055
MB 670-140266/12-A	Method Blank	Total/NA	Water	7470A	140266
LCS 670-140055/10-A	Lab Control Sample	Total/NA	Water	7470A	140055
LCS 670-140266/10-A	Lab Control Sample	Total/NA	Water	7470A	140266
LCSD 670-140055/11-A	Lab Control Sample Dup	Total/NA	Water	7470A	140055
LCSD 670-140266/11-A	Lab Control Sample Dup	Total/NA	Water	7470A	140266
660-141283-1 MS	CCR-1-20250228	Total/NA	Water	7470A	140055
660-141283-1 MSD	CCR-1-20250228	Total/NA	Water	7470A	140055

Analysis Batch: 140456

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-141315-1	CCR-13-20250303	Total Recoverable	Water	6020B	140233
660-141315-2	CCR-6-20250304	Total Recoverable	Water	6020B	140233
660-141315-3	CCR-7-20250304	Total Recoverable	Water	6020B	140233
660-141315-4	CCR-12-20250304	Total Recoverable	Water	6020B	140233
660-141315-4	CCR-12-20250304	Total Recoverable	Water	6020B	140233
660-141315-5	CCR-21-20250303	Total Recoverable	Water	6020B	140233
660-141315-6	SW-106-20250303	Total Recoverable	Water	6020B	140233
660-141315-7	EB-01-20250304	Total Recoverable	Water	6020B	140233
660-141315-6 MS	SW-106-20250303	Total Recoverable	Water	6020B	140233
660-141315-6 MSD	SW-106-20250303	Total Recoverable	Water	6020B	140233

Analysis Batch: 140482

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-141283-3	CCR-4-20250228	Total Recoverable	Water	6010D	139974
660-141315-1	CCR-13-20250303	Total Recoverable	Water	6010D	140234
660-141315-2	CCR-6-20250304	Total Recoverable	Water	6010D	140234
660-141315-3	CCR-7-20250304	Total Recoverable	Water	6010D	140234
660-141315-4	CCR-12-20250304	Total Recoverable	Water	6010D	140234
660-141315-5	CCR-21-20250303	Total Recoverable	Water	6010D	140234
660-141315-6	SW-106-20250303	Total Recoverable	Water	6010D	140234
660-141315-7	EB-01-20250304	Total Recoverable	Water	6010D	140234
MB 670-140234/3-A	Method Blank	Total Recoverable	Water	6010D	140234
LCS 670-140234/1-A	Lab Control Sample	Total Recoverable	Water	6010D	140234
LCSD 670-140234/2-A	Lab Control Sample Dup	Total Recoverable	Water	6010D	140234
660-141315-6 MS	SW-106-20250303	Total Recoverable	Water	6010D	140234
660-141315-6 MSD	SW-106-20250303	Total Recoverable	Water	6010D	140234

Prep Batch: 140494

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-141358-1	CCR-8-20250304	Total/NA	Water	7470A	
660-141358-2	CCR-5-20250305	Total/NA	Water	7470A	
660-141358-3	CCR-9-20250304	Total/NA	Water	7470A	
660-141358-4	CCR-11-20250305	Total/NA	Water	7470A	
660-141358-5	CCR-20-20250304	Total/NA	Water	7470A	
MB 670-140494/12-A	Method Blank	Total/NA	Water	7470A	
LCS 670-140494/10-A	Lab Control Sample	Total/NA	Water	7470A	
LCSD 670-140494/11-A	Lab Control Sample Dup	Total/NA	Water	7470A	

Metals

Prep Batch: 140496

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-141358-1	CCR-8-20250304	Total Recoverable	Water	3005A	
660-141358-2	CCR-5-20250305	Total Recoverable	Water	3005A	
660-141358-3	CCR-9-20250304	Total Recoverable	Water	3005A	
660-141358-4	CCR-11-20250305	Total Recoverable	Water	3005A	
660-141358-5	CCR-20-20250304	Total Recoverable	Water	3005A	
MB 670-140496/3-A	Method Blank	Total Recoverable	Water	3005A	
LCS 670-140496/1-A	Lab Control Sample	Total Recoverable	Water	3005A	
LCSD 670-140496/2-A	Lab Control Sample Dup	Total Recoverable	Water	3005A	

Prep Batch: 140498

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-141358-1	CCR-8-20250304	Total Recoverable	Water	3005A	
660-141358-2	CCR-5-20250305	Total Recoverable	Water	3005A	
660-141358-3	CCR-9-20250304	Total Recoverable	Water	3005A	
660-141358-4	CCR-11-20250305	Total Recoverable	Water	3005A	
660-141358-5	CCR-20-20250304	Total Recoverable	Water	3005A	
MB 670-140498/3-A	Method Blank	Total Recoverable	Water	3005A	
LCS 670-140498/1-A	Lab Control Sample	Total Recoverable	Water	3005A	
LCSD 670-140498/2-A	Lab Control Sample Dup	Total Recoverable	Water	3005A	

Analysis Batch: 140546

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-141315-2	CCR-6-20250304	Total Recoverable	Water	6020B	140233
660-141315-3	CCR-7-20250304	Total Recoverable	Water	6020B	140233
660-141315-4	CCR-12-20250304	Total Recoverable	Water	6020B	140233
660-141315-5	CCR-21-20250303	Total Recoverable	Water	6020B	140233
660-141315-7	EB-01-20250304	Total Recoverable	Water	6020B	140233

Analysis Batch: 140713

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-141358-1	CCR-8-20250304	Total Recoverable	Water	6010D	140498
660-141358-2	CCR-5-20250305	Total Recoverable	Water	6010D	140498
660-141358-3	CCR-9-20250304	Total Recoverable	Water	6010D	140498
660-141358-4	CCR-11-20250305	Total Recoverable	Water	6010D	140498
660-141358-5	CCR-20-20250304	Total Recoverable	Water	6010D	140498
MB 670-140498/3-A	Method Blank	Total Recoverable	Water	6010D	140498
LCS 670-140498/1-A	Lab Control Sample	Total Recoverable	Water	6010D	140498
LCSD 670-140498/2-A	Lab Control Sample Dup	Total Recoverable	Water	6010D	140498

Analysis Batch: 140751

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-141315-2	CCR-6-20250304	Total Recoverable	Water	6020B	140233
660-141358-1	CCR-8-20250304	Total Recoverable	Water	6020B	140496
660-141358-2	CCR-5-20250305	Total Recoverable	Water	6020B	140496
660-141358-2	CCR-5-20250305	Total Recoverable	Water	6020B	140496
660-141358-3	CCR-9-20250304	Total Recoverable	Water	6020B	140496
660-141358-3	CCR-9-20250304	Total Recoverable	Water	6020B	140496
660-141358-4	CCR-11-20250305	Total Recoverable	Water	6020B	140496
660-141358-4	CCR-11-20250305	Total Recoverable	Water	6020B	140496
660-141358-5	CCR-20-20250304	Total Recoverable	Water	6020B	140496
660-141358-5	CCR-20-20250304	Total Recoverable	Water	6020B	140496

Metals (Continued)

Analysis Batch: 140751 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 670-140496/3-A	Method Blank	Total Recoverable	Water	6020B	140496
LCS 670-140496/1-A	Lab Control Sample	Total Recoverable	Water	6020B	140496
LCSD 670-140496/2-A	Lab Control Sample Dup	Total Recoverable	Water	6020B	140496

Analysis Batch: 140843

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-141315-1	CCR-13-20250303	Total/NA	Water	7470A	140338
660-141315-2	CCR-6-20250304	Total/NA	Water	7470A	140338
660-141315-3	CCR-7-20250304	Total/NA	Water	7470A	140338
660-141315-4	CCR-12-20250304	Total/NA	Water	7470A	140338
660-141315-5	CCR-21-20250303	Total/NA	Water	7470A	140338
660-141315-6	SW-106-20250303	Total/NA	Water	7470A	140338
660-141315-7	EB-01-20250304	Total/NA	Water	7470A	140338
660-141358-1	CCR-8-20250304	Total/NA	Water	7470A	140494
660-141358-2	CCR-5-20250305	Total/NA	Water	7470A	140494
660-141358-3	CCR-9-20250304	Total/NA	Water	7470A	140494
660-141358-4	CCR-11-20250305	Total/NA	Water	7470A	140494
660-141358-5	CCR-20-20250304	Total/NA	Water	7470A	140494
MB 670-140338/12-A	Method Blank	Total/NA	Water	7470A	140338
MB 670-140494/12-A	Method Blank	Total/NA	Water	7470A	140494
LCS 670-140338/10-A	Lab Control Sample	Total/NA	Water	7470A	140338
LCS 670-140494/10-A	Lab Control Sample	Total/NA	Water	7470A	140494
LCSD 670-140494/11-A	Lab Control Sample Dup	Total/NA	Water	7470A	140494

Analysis Batch: 140987

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-141358-2	CCR-5-20250305	Total Recoverable	Water	6010D	140498
660-141358-3	CCR-9-20250304	Total Recoverable	Water	6010D	140498
660-141358-4	CCR-11-20250305	Total Recoverable	Water	6010D	140498
660-141358-5	CCR-20-20250304	Total Recoverable	Water	6010D	140498

General Chemistry

Analysis Batch: 140058

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-141283-1	CCR-1-20250228	Total/NA	Water	375.4	
660-141283-2	CCR-2-20250228	Total/NA	Water	375.4	
660-141283-3	CCR-4-20250228	Total/NA	Water	375.4	
660-141283-4	CCR-15-20250227	Total/NA	Water	375.4	
660-141283-5	CCR-16-20250227	Total/NA	Water	375.4	
660-141283-6	CCR-17-20250228	Total/NA	Water	375.4	
660-141283-7	CCR-18-20250228	Total/NA	Water	375.4	
660-141283-8	CCR-19-20250228	Total/NA	Water	375.4	
660-141283-9	CCR-22-20250228	Total/NA	Water	375.4	
660-141283-10	CCR-23-20250228	Total/NA	Water	375.4	
660-141283-11	Fish Lake-20250303	Total/NA	Water	375.4	
660-141283-12	Lake D-20250303	Total/NA	Water	375.4	
MB 670-140058/5	Method Blank	Total/NA	Water	375.4	
LCS 670-140058/3	Lab Control Sample	Total/NA	Water	375.4	
LCSD 670-140058/4	Lab Control Sample Dup	Total/NA	Water	375.4	
660-141283-1 MS	CCR-1-20250228	Total/NA	Water	375.4	

General Chemistry

Analysis Batch: 140106

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-141283-4	CCR-15-20250227	Total/NA	Water	2320B-2011	
660-141283-5	CCR-16-20250227	Total/NA	Water	2320B-2011	
660-141283-6	CCR-17-20250228	Total/NA	Water	2320B-2011	
660-141283-7	CCR-18-20250228	Total/NA	Water	2320B-2011	
660-141283-8	CCR-19-20250228	Total/NA	Water	2320B-2011	
660-141283-10	CCR-23-20250228	Total/NA	Water	2320B-2011	
660-141283-11	Fish Lake-20250303	Total/NA	Water	2320B-2011	
MB 670-140106/4	Method Blank	Total/NA	Water	2320B-2011	
LCS 670-140106/3	Lab Control Sample	Total/NA	Water	2320B-2011	

Analysis Batch: 140324

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-141283-12	Lake D-20250303	Total/NA	Water	2320B-2011	
660-141315-2	CCR-6-20250304	Total/NA	Water	2320B-2011	
660-141315-3	CCR-7-20250304	Total/NA	Water	2320B-2011	
660-141315-4	CCR-12-20250304	Total/NA	Water	2320B-2011	
MB 670-140324/4	Method Blank	Total/NA	Water	2320B-2011	
LCS 670-140324/3	Lab Control Sample	Total/NA	Water	2320B-2011	

Analysis Batch: 140561

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-141283-4	CCR-15-20250227	Total/NA	Water	2540C - 2015	
660-141283-5	CCR-16-20250227	Total/NA	Water	2540C - 2015	
MB 670-140561/1	Method Blank	Total/NA	Water	2540C - 2015	
LCS 670-140561/2	Lab Control Sample	Total/NA	Water	2540C - 2015	

Analysis Batch: 140616

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-141283-9	CCR-22-20250228	Total/NA	Water	2320B-2011	
660-141315-5	CCR-21-20250303	Total/NA	Water	2320B-2011	
660-141315-6	SW-106-20250303	Total/NA	Water	2320B-2011	
660-141315-7	EB-01-20250304	Total/NA	Water	2320B-2011	
660-141358-2	CCR-5-20250305	Total/NA	Water	2320B-2011	
660-141358-3	CCR-9-20250304	Total/NA	Water	2320B-2011	
660-141358-4	CCR-11-20250305	Total/NA	Water	2320B-2011	
660-141358-5	CCR-20-20250304	Total/NA	Water	2320B-2011	
MB 670-140616/4	Method Blank	Total/NA	Water	2320B-2011	
LCS 670-140616/3	Lab Control Sample	Total/NA	Water	2320B-2011	

Analysis Batch: 140650

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-141283-1	CCR-1-20250228	Total/NA	Water	4500 Cl E-2011	
660-141283-2	CCR-2-20250228	Total/NA	Water	4500 Cl E-2011	
660-141283-3	CCR-4-20250228	Total/NA	Water	4500 Cl E-2011	
660-141283-4	CCR-15-20250227	Total/NA	Water	4500 Cl E-2011	
660-141283-5	CCR-16-20250227	Total/NA	Water	4500 Cl E-2011	
660-141283-6	CCR-17-20250228	Total/NA	Water	4500 Cl E-2011	
660-141283-7	CCR-18-20250228	Total/NA	Water	4500 Cl E-2011	
660-141283-8	CCR-19-20250228	Total/NA	Water	4500 Cl E-2011	
660-141283-10	CCR-23-20250228	Total/NA	Water	4500 Cl E-2011	
660-141283-11	Fish Lake-20250303	Total/NA	Water	4500 Cl E-2011	

General Chemistry (Continued)

Analysis Batch: 140650 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-141283-12	Lake D-20250303	Total/NA	Water	4500 Cl E-2011	
660-141315-2	CCR-6-20250304	Total/NA	Water	4500 Cl E-2011	
660-141315-3	CCR-7-20250304	Total/NA	Water	4500 Cl E-2011	
660-141315-4	CCR-12-20250304	Total/NA	Water	4500 Cl E-2011	
660-141315-6	SW-106-20250303	Total/NA	Water	4500 Cl E-2011	
660-141315-7	EB-01-20250304	Total/NA	Water	4500 Cl E-2011	
MB 670-140650/13	Method Blank	Total/NA	Water	4500 Cl E-2011	
MB 670-140650/45	Method Blank	Total/NA	Water	4500 Cl E-2011	
LCS 670-140650/11	Lab Control Sample	Total/NA	Water	4500 Cl E-2011	
LCS 670-140650/43	Lab Control Sample	Total/NA	Water	4500 Cl E-2011	
LCSD 670-140650/12	Lab Control Sample Dup	Total/NA	Water	4500 Cl E-2011	
LCSD 670-140650/44	Lab Control Sample Dup	Total/NA	Water	4500 Cl E-2011	
660-141283-7 MS	CCR-18-20250228	Total/NA	Water	4500 Cl E-2011	
660-141283-7 MSD	CCR-18-20250228	Total/NA	Water	4500 Cl E-2011	

Analysis Batch: 140759

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-141283-1	CCR-1-20250228	Total/NA	Water	2540C - 2015	
660-141283-9	CCR-22-20250228	Total/NA	Water	2540C - 2015	
660-141283-11	Fish Lake-20250303	Total/NA	Water	2540C - 2015	
MB 670-140759/1	Method Blank	Total/NA	Water	2540C - 2015	
LCS 670-140759/2	Lab Control Sample	Total/NA	Water	2540C - 2015	

Analysis Batch: 140799

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-141283-2	CCR-2-20250228	Total/NA	Water	2540C - 2015	
660-141283-3	CCR-4-20250228	Total/NA	Water	2540C - 2015	
660-141283-6	CCR-17-20250228	Total/NA	Water	2540C - 2015	
660-141283-7	CCR-18-20250228	Total/NA	Water	2540C - 2015	
660-141283-8	CCR-19-20250228	Total/NA	Water	2540C - 2015	
660-141283-10	CCR-23-20250228	Total/NA	Water	2540C - 2015	
660-141283-12	Lake D-20250303	Total/NA	Water	2540C - 2015	
660-141315-1	CCR-13-20250303	Total/NA	Water	2540C - 2015	
660-141315-5	CCR-21-20250303	Total/NA	Water	2540C - 2015	
660-141315-6	SW-106-20250303	Total/NA	Water	2540C - 2015	
MB 670-140799/1	Method Blank	Total/NA	Water	2540C - 2015	
LCS 670-140799/2	Lab Control Sample	Total/NA	Water	2540C - 2015	

Analysis Batch: 141063

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-141358-2	CCR-5-20250305	Total/NA	Water	2540C - 2015	
660-141358-4	CCR-11-20250305	Total/NA	Water	2540C - 2015	
MB 670-141063/1	Method Blank	Total/NA	Water	2540C - 2015	
LCS 670-141063/2	Lab Control Sample	Total/NA	Water	2540C - 2015	

Analysis Batch: 141078

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-141315-2	CCR-6-20250304	Total/NA	Water	2540C - 2015	
660-141315-3	CCR-7-20250304	Total/NA	Water	2540C - 2015	
660-141315-4	CCR-12-20250304	Total/NA	Water	2540C - 2015	
660-141315-7	EB-01-20250304	Total/NA	Water	2540C - 2015	

General Chemistry (Continued)

Analysis Batch: 141078 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-141358-1	CCR-8-20250304	Total/NA	Water	2540C - 2015	
660-141358-3	CCR-9-20250304	Total/NA	Water	2540C - 2015	
660-141358-5	CCR-20-20250304	Total/NA	Water	2540C - 2015	
MB 670-141078/1	Method Blank	Total/NA	Water	2540C - 2015	
LCS 670-141078/2	Lab Control Sample	Total/NA	Water	2540C - 2015	

Analysis Batch: 141343

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-141315-1	CCR-13-20250303	Total/NA	Water	375.4	
660-141315-2	CCR-6-20250304	Total/NA	Water	375.4	
660-141315-3	CCR-7-20250304	Total/NA	Water	375.4	
660-141315-4	CCR-12-20250304	Total/NA	Water	375.4	
660-141315-5	CCR-21-20250303	Total/NA	Water	375.4	
660-141315-6	SW-106-20250303	Total/NA	Water	375.4	
660-141315-7	EB-01-20250304	Total/NA	Water	375.4	
660-141358-1	CCR-8-20250304	Total/NA	Water	375.4	
660-141358-2	CCR-5-20250305	Total/NA	Water	375.4	
660-141358-3	CCR-9-20250304	Total/NA	Water	375.4	
660-141358-4	CCR-11-20250305	Total/NA	Water	375.4	
660-141358-5	CCR-20-20250304	Total/NA	Water	375.4	
MB 670-141343/14	Method Blank	Total/NA	Water	375.4	
LCS 670-141343/12	Lab Control Sample	Total/NA	Water	375.4	
LCSD 670-141343/13	Lab Control Sample Dup	Total/NA	Water	375.4	

Analysis Batch: 141679

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-141358-1	CCR-8-20250304	Total/NA	Water	4500 Cl E-2011	
660-141358-2	CCR-5-20250305	Total/NA	Water	4500 Cl E-2011	
660-141358-3	CCR-9-20250304	Total/NA	Water	4500 Cl E-2011	
660-141358-4	CCR-11-20250305	Total/NA	Water	4500 Cl E-2011	
660-141358-5	CCR-20-20250304	Total/NA	Water	4500 Cl E-2011	
MB 670-141679/13	Method Blank	Total/NA	Water	4500 Cl E-2011	
MB 670-141679/42	Method Blank	Total/NA	Water	4500 Cl E-2011	
LCS 670-141679/40	Lab Control Sample	Total/NA	Water	4500 Cl E-2011	
LCSD 670-141679/41	Lab Control Sample Dup	Total/NA	Water	4500 Cl E-2011	
660-141358-1 MS	CCR-8-20250304	Total/NA	Water	4500 Cl E-2011	
660-141358-1 MSD	CCR-8-20250304	Total/NA	Water	4500 Cl E-2011	

Analysis Batch: 141883

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 670-141883/13	Method Blank	Total/NA	Water	4500 Cl E-2011	
LCS 670-141883/11	Lab Control Sample	Total/NA	Water	4500 Cl E-2011	
LCSD 670-141883/12	Lab Control Sample Dup	Total/NA	Water	4500 Cl E-2011	

Analysis Batch: 141927

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-141283-9	CCR-22-20250228	Total/NA	Water	4500 Cl E-2011	
660-141315-1	CCR-13-20250303	Total/NA	Water	4500 Cl E-2011	
660-141315-5	CCR-21-20250303	Total/NA	Water	4500 Cl E-2011	
MB 670-141927/13	Method Blank	Total/NA	Water	4500 Cl E-2011	
LCS 670-141927/11	Lab Control Sample	Total/NA	Water	4500 Cl E-2011	

General Chemistry (Continued)

Analysis Batch: 141927 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 670-141927/12	Lab Control Sample Dup	Total/NA	Water	4500 Cl E-2011	

Analysis Batch: 701353

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-141283-1	CCR-1-20250228	Total/NA	Water	SM 4500 F C	
660-141283-2	CCR-2-20250228	Total/NA	Water	SM 4500 F C	
660-141283-3	CCR-4-20250228	Total/NA	Water	SM 4500 F C	
660-141283-4	CCR-15-20250227	Total/NA	Water	SM 4500 F C	
660-141283-5	CCR-16-20250227	Total/NA	Water	SM 4500 F C	
660-141283-6	CCR-17-20250228	Total/NA	Water	SM 4500 F C	
660-141283-7	CCR-18-20250228	Total/NA	Water	SM 4500 F C	
660-141283-8	CCR-19-20250228	Total/NA	Water	SM 4500 F C	
660-141283-9	CCR-22-20250228	Total/NA	Water	SM 4500 F C	
660-141283-10	CCR-23-20250228	Total/NA	Water	SM 4500 F C	
MB 400-701353/9	Method Blank	Total/NA	Water	SM 4500 F C	
LCS 400-701353/11	Lab Control Sample	Total/NA	Water	SM 4500 F C	
MRL 400-701353/10	Lab Control Sample	Total/NA	Water	SM 4500 F C	
660-141283-1 DU	CCR-1-20250228	Total/NA	Water	SM 4500 F C	

Analysis Batch: 701355

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-141283-11	Fish Lake-20250303	Total/NA	Water	SM 4500 F C	
660-141283-12	Lake D-20250303	Total/NA	Water	SM 4500 F C	
MB 400-701355/1	Method Blank	Total/NA	Water	SM 4500 F C	
LCS 400-701355/3	Lab Control Sample	Total/NA	Water	SM 4500 F C	
MRL 400-701355/2	Lab Control Sample	Total/NA	Water	SM 4500 F C	

Analysis Batch: 701643

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-141358-1	CCR-8-20250304	Total/NA	Water	SM 4500 F C	
660-141358-2	CCR-5-20250305	Total/NA	Water	SM 4500 F C	
660-141358-3	CCR-9-20250304	Total/NA	Water	SM 4500 F C	
660-141358-4	CCR-11-20250305	Total/NA	Water	SM 4500 F C	
MB 400-701643/9	Method Blank	Total/NA	Water	SM 4500 F C	
LCS 400-701643/11	Lab Control Sample	Total/NA	Water	SM 4500 F C	
MRL 400-701643/10	Lab Control Sample	Total/NA	Water	SM 4500 F C	

Analysis Batch: 701644

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-141315-1	CCR-13-20250303	Total/NA	Water	SM 4500 F C	
660-141315-2	CCR-6-20250304	Total/NA	Water	SM 4500 F C	
660-141315-3	CCR-7-20250304	Total/NA	Water	SM 4500 F C	
660-141315-4	CCR-12-20250304	Total/NA	Water	SM 4500 F C	
660-141315-5	CCR-21-20250303	Total/NA	Water	SM 4500 F C	
660-141315-6	SW-106-20250303	Total/NA	Water	SM 4500 F C	
660-141315-7	EB-01-20250304	Total/NA	Water	SM 4500 F C	
660-141358-5	CCR-20-20250304	Total/NA	Water	SM 4500 F C	
MB 400-701644/1	Method Blank	Total/NA	Water	SM 4500 F C	
LCS 400-701644/3	Lab Control Sample	Total/NA	Water	SM 4500 F C	
MRL 400-701644/2	Lab Control Sample	Total/NA	Water	SM 4500 F C	

Lab Chronicle

Client: City of Lakeland
Job ID: 660-141283-1
Project/Site: 2024 Semi-annual CCR Compliance Monitori

Client Sample ID: CCR-1-20250228
Lab Sample ID: 660-141283-1
Date Collected: 02/28/25 11:26
Matrix: Water
Date Received: 03/03/25 13:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			139974	JR	EET ORL	03/04/25 10:18
Total Recoverable	Analysis	6010D		1	140157	AS	EET ORL	03/04/25 16:08
Total Recoverable	Prep	3005A			139973	JR	EET ORL	03/04/25 10:14
Total Recoverable	Analysis	6020B		1	140158	JA	EET ORL	03/04/25 18:03
Total/NA	Prep	7470A			140055	EB	EET ORL	03/04/25 15:38
Total/NA	Analysis	7470A		1	140344	EB	EET ORL	03/05/25 14:57
Total/NA	Analysis	2540C - 2015		1	140759	SM	EET ORL	03/07/25 09:26
Total/NA	Analysis	375.4		5	140058	VJW	EET ORL	03/04/25 13:54
Total/NA	Analysis	4500 Cl E-2011		1	140650	BK	EET ORL	03/06/25 16:07
Total/NA	Analysis	SM 4500 F C		1	701353	JP	EET PEN	03/05/25 14:58

Client Sample ID: CCR-2-20250228
Lab Sample ID: 660-141283-2
Date Collected: 02/28/25 10:34
Matrix: Water
Date Received: 03/03/25 13:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			139974	JR	EET ORL	03/04/25 10:18
Total Recoverable	Analysis	6010D		1	140157	AS	EET ORL	03/04/25 16:10
Total Recoverable	Prep	3005A			139973	JR	EET ORL	03/04/25 10:14
Total Recoverable	Analysis	6020B		1	140158	JA	EET ORL	03/04/25 18:08
Total/NA	Prep	7470A			140055	EB	EET ORL	03/04/25 15:38
Total/NA	Analysis	7470A		1	140344	EB	EET ORL	03/05/25 14:59
Total/NA	Analysis	2540C - 2015		1	140799	SM	EET ORL	03/07/25 11:32
Total/NA	Analysis	375.4		1	140058	VJW	EET ORL	03/04/25 13:37
Total/NA	Analysis	4500 Cl E-2011		1	140650	BK	EET ORL	03/06/25 16:08
Total/NA	Analysis	SM 4500 F C		1	701353	JP	EET PEN	03/05/25 15:04

Client Sample ID: CCR-4-20250228
Lab Sample ID: 660-141283-3
Date Collected: 02/28/25 15:21
Matrix: Water
Date Received: 03/03/25 13:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			139974	JR	EET ORL	03/04/25 10:18
Total Recoverable	Analysis	6010D		1	140157	AS	EET ORL	03/04/25 16:13
Total Recoverable	Prep	3005A			139974	JR	EET ORL	03/04/25 10:18
Total Recoverable	Analysis	6010D		10	140482	EV	EET ORL	03/05/25 10:52
Total Recoverable	Prep	3005A			139973	JR	EET ORL	03/04/25 10:14
Total Recoverable	Analysis	6020B		1	140158	JA	EET ORL	03/04/25 18:11
Total/NA	Prep	7470A			140055	EB	EET ORL	03/04/25 15:38
Total/NA	Analysis	7470A		1	140344	EB	EET ORL	03/05/25 15:00
Total/NA	Analysis	2540C - 2015		1	140799	SM	EET ORL	03/07/25 11:32
Total/NA	Analysis	375.4		50	140058	VJW	EET ORL	03/04/25 14:44
Total/NA	Analysis	4500 Cl E-2011		100	140650	BK	EET ORL	03/06/25 16:10
Total/NA	Analysis	SM 4500 F C		1	701353	JP	EET PEN	03/05/25 15:07

Client Sample ID: CCR-15-20250227
Lab Sample ID: 660-141283-4

Date Collected: 02/27/25 15:09
Matrix: Water
Date Received: 03/03/25 13:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			139974	JR	EET ORL	03/04/25 10:18
Total Recoverable	Analysis	6010D		1	140157	AS	EET ORL	03/04/25 16:15
Total Recoverable	Prep	3005A			139973	JR	EET ORL	03/04/25 10:14
Total Recoverable	Analysis	6020B		1	140158	JA	EET ORL	03/04/25 16:29
Total/NA	Prep	7470A			140055	EB	EET ORL	03/04/25 15:38
Total/NA	Analysis	7470A		1	140344	EB	EET ORL	03/05/25 15:01
Total/NA	Analysis	2320B-2011		1	140106	VR	EET ORL	03/04/25 14:36
Total/NA	Analysis	2540C - 2015		1	140561	SM	EET ORL	03/06/25 12:29
Total/NA	Analysis	375.4		1	140058	VJW	EET ORL	03/04/25 13:38
Total/NA	Analysis	4500 Cl E-2011		1	140650	BK	EET ORL	03/06/25 16:11
Total/NA	Analysis	SM 4500 F C		1	701353	JP	EET PEN	03/05/25 15:11

Client Sample ID: CCR-16-20250227
Lab Sample ID: 660-141283-5

Date Collected: 02/27/25 16:44
Matrix: Water
Date Received: 03/03/25 13:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			139974	JR	EET ORL	03/04/25 10:18
Total Recoverable	Analysis	6010D		1	140157	AS	EET ORL	03/04/25 16:18
Total Recoverable	Prep	3005A			139973	JR	EET ORL	03/04/25 10:14
Total Recoverable	Analysis	6020B		1	140158	JA	EET ORL	03/04/25 16:37
Total Recoverable	Prep	3005A			139973	JR	EET ORL	03/04/25 10:14
Total Recoverable	Analysis	6020B		100	140158	JA	EET ORL	03/04/25 16:39
Total/NA	Prep	7470A			140055	EB	EET ORL	03/04/25 15:38
Total/NA	Analysis	7470A		1	140344	EB	EET ORL	03/05/25 15:03
Total/NA	Analysis	2320B-2011		1	140106	VR	EET ORL	03/04/25 14:13
Total/NA	Analysis	2540C - 2015		1	140561	SM	EET ORL	03/06/25 12:29
Total/NA	Analysis	375.4		100	140058	VJW	EET ORL	03/04/25 15:11
Total/NA	Analysis	4500 Cl E-2011		100	140650	BK	EET ORL	03/06/25 16:12
Total/NA	Analysis	SM 4500 F C		1	701353	JP	EET PEN	03/05/25 15:14

Client Sample ID: CCR-17-20250228
Lab Sample ID: 660-141283-6

Date Collected: 02/28/25 09:51
Matrix: Water
Date Received: 03/03/25 13:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			139974	JR	EET ORL	03/04/25 10:18
Total Recoverable	Analysis	6010D		1	140157	AS	EET ORL	03/04/25 16:20
Total Recoverable	Prep	3005A			139973	JR	EET ORL	03/04/25 10:14
Total Recoverable	Analysis	6020B		1	140158	JA	EET ORL	03/04/25 16:42
Total/NA	Prep	7470A			140055	EB	EET ORL	03/04/25 15:38
Total/NA	Analysis	7470A		1	140344	EB	EET ORL	03/05/25 15:04
Total/NA	Analysis	2320B-2011		1	140106	VR	EET ORL	03/04/25 14:34
Total/NA	Analysis	2540C - 2015		1	140799	SM	EET ORL	03/07/25 11:32

Lab Chronicle

Client: City of Lakeland
Job ID: 660-141283-1
Project/Site: 2024 Semi-annual CCR Compliance Monitori

Client Sample ID: CCR-17-20250228
Lab Sample ID: 660-141283-6
Date Collected: 02/28/25 09:51
Matrix: Water
Date Received: 03/03/25 13:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	375.4		1	140058	VJW	EET ORL	03/04/25 13:39
Total/NA	Analysis	4500 Cl E-2011		1	140650	BK	EET ORL	03/06/25 16:24
Total/NA	Analysis	SM 4500 F C		1	701353	JP	EET PEN	03/05/25 15:17

Client Sample ID: CCR-18-20250228
Lab Sample ID: 660-141283-7
Date Collected: 02/28/25 10:49
Matrix: Water
Date Received: 03/03/25 13:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			139974	JR	EET ORL	03/04/25 10:18
Total Recoverable	Analysis	6010D		1	140157	AS	EET ORL	03/04/25 16:23
Total Recoverable	Prep	3005A			139973	JR	EET ORL	03/04/25 10:14
Total Recoverable	Analysis	6020B		1	140158	JA	EET ORL	03/04/25 16:57
Total/NA	Prep	7470A			140266	EB	EET ORL	03/05/25 10:49
Total/NA	Analysis	7470A		1	140344	EB	EET ORL	03/05/25 16:07
Total/NA	Analysis	2320B-2011		1	140106	VR	EET ORL	03/04/25 14:45
Total/NA	Analysis	2540C - 2015		1	140799	SM	EET ORL	03/07/25 11:32
Total/NA	Analysis	375.4		1	140058	VJW	EET ORL	03/04/25 13:39
Total/NA	Analysis	4500 Cl E-2011		1	140650	BK	EET ORL	03/06/25 16:20
Total/NA	Analysis	SM 4500 F C		1	701353	JP	EET PEN	03/05/25 15:19

Client Sample ID: CCR-19-20250228
Lab Sample ID: 660-141283-8
Date Collected: 02/28/25 14:00
Matrix: Water
Date Received: 03/03/25 13:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			139974	JR	EET ORL	03/04/25 10:18
Total Recoverable	Analysis	6010D		1	140157	AS	EET ORL	03/04/25 16:33
Total Recoverable	Prep	3005A			139973	JR	EET ORL	03/04/25 10:14
Total Recoverable	Analysis	6020B		1	140158	JA	EET ORL	03/04/25 17:02
Total Recoverable	Prep	3005A			139973	JR	EET ORL	03/04/25 10:14
Total Recoverable	Analysis	6020B		100	140158	JA	EET ORL	03/04/25 17:05
Total/NA	Prep	7470A			140266	EB	EET ORL	03/05/25 10:49
Total/NA	Analysis	7470A		1	140344	EB	EET ORL	03/05/25 16:09
Total/NA	Analysis	2320B-2011		1	140106	VR	EET ORL	03/04/25 14:25
Total/NA	Analysis	2540C - 2015		1	140799	SM	EET ORL	03/07/25 11:32
Total/NA	Analysis	375.4		50	140058	VJW	EET ORL	03/04/25 14:45
Total/NA	Analysis	4500 Cl E-2011		100	140650	BK	EET ORL	03/06/25 16:25
Total/NA	Analysis	SM 4500 F C		1	701353	JP	EET PEN	03/05/25 15:24

Client Sample ID: CCR-22-20250228
Lab Sample ID: 660-141283-9

Date Collected: 02/28/25 13:34
Matrix: Water
Date Received: 03/03/25 13:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			139974	JR	EET ORL	03/04/25 10:18
Total Recoverable	Analysis	6010D		1	140157	AS	EET ORL	03/04/25 16:35
Total Recoverable	Prep	3005A			139973	JR	EET ORL	03/04/25 10:14
Total Recoverable	Analysis	6020B		1	140158	JA	EET ORL	03/04/25 17:10
Total Recoverable	Prep	3005A			139973	JR	EET ORL	03/04/25 10:14
Total Recoverable	Analysis	6020B		100	140158	JA	EET ORL	03/04/25 17:12
Total/NA	Prep	7470A			140266	EB	EET ORL	03/05/25 10:49
Total/NA	Analysis	7470A		1	140344	EB	EET ORL	03/05/25 16:10
Total/NA	Analysis	2320B-2011		1	140616	VR	EET ORL	03/06/25 14:08
Total/NA	Analysis	2540C - 2015		1	140759	SM	EET ORL	03/07/25 09:26
Total/NA	Analysis	375.4		50	140058	VJW	EET ORL	03/04/25 14:45
Total/NA	Analysis	4500 Cl E-2011		1	141927	LD	EET ORL	03/13/25 18:30
Total/NA	Analysis	SM 4500 F C		1	701353	JP	EET PEN	03/05/25 15:27

Client Sample ID: CCR-23-20250228
Lab Sample ID: 660-141283-10

Date Collected: 02/28/25 12:49
Matrix: Water
Date Received: 03/03/25 13:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			139974	JR	EET ORL	03/04/25 10:18
Total Recoverable	Analysis	6010D		1	140157	AS	EET ORL	03/04/25 16:37
Total Recoverable	Prep	3005A			139973	JR	EET ORL	03/04/25 10:14
Total Recoverable	Analysis	6020B		1	140158	JA	EET ORL	03/04/25 17:15
Total/NA	Prep	7470A			140266	EB	EET ORL	03/05/25 10:49
Total/NA	Analysis	7470A		1	140344	EB	EET ORL	03/05/25 16:11
Total/NA	Analysis	2320B-2011		1	140106	VR	EET ORL	03/04/25 14:10
Total/NA	Analysis	2540C - 2015		1	140799	SM	EET ORL	03/07/25 11:32
Total/NA	Analysis	375.4		50	140058	VJW	EET ORL	03/04/25 14:46
Total/NA	Analysis	4500 Cl E-2011		2	140650	BK	EET ORL	03/06/25 16:28
Total/NA	Analysis	SM 4500 F C		1	701353	JP	EET PEN	03/05/25 15:30

Client Sample ID: Fish Lake-20250303
Lab Sample ID: 660-141283-11

Date Collected: 03/03/25 09:35
Matrix: Water
Date Received: 03/03/25 13:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			139974	JR	EET ORL	03/04/25 10:18
Total Recoverable	Analysis	6010D		1	140157	AS	EET ORL	03/04/25 16:40
Total Recoverable	Prep	3005A			139973	JR	EET ORL	03/04/25 10:14
Total Recoverable	Analysis	6020B		1	140158	JA	EET ORL	03/04/25 17:23
Total Recoverable	Prep	3005A			139973	JR	EET ORL	03/04/25 10:14
Total Recoverable	Analysis	6020B		100	140158	JA	EET ORL	03/04/25 17:25
Total/NA	Prep	7470A			140266	EB	EET ORL	03/05/25 10:49
Total/NA	Analysis	7470A		1	140344	EB	EET ORL	03/05/25 16:13

Lab Chronicle

Client: City of Lakeland
Job ID: 660-141283-1
Project/Site: 2024 Semi-annual CCR Compliance Monitori

Client Sample ID: Fish Lake-20250303
Lab Sample ID: 660-141283-11
Date Collected: 03/03/25 09:35
Matrix: Water
Date Received: 03/03/25 13:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	2320B-2011		1	140106	VR	EET ORL	03/04/25 14:18
Total/NA	Analysis	2540C - 2015		1	140759	SM	EET ORL	03/07/25 09:26
Total/NA	Analysis	375.4		25	140058	VJW	EET ORL	03/04/25 14:09
Total/NA	Analysis	4500 Cl E-2011		1	140650	BK	EET ORL	03/06/25 16:29
Total/NA	Analysis	SM 4500 F C		1	701355	JP	EET PEN	03/05/25 15:57

Client Sample ID: Lake D-20250303
Lab Sample ID: 660-141283-12
Date Collected: 03/03/25 09:00
Matrix: Water
Date Received: 03/03/25 13:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			139974	JR	EET ORL	03/04/25 10:18
Total Recoverable	Analysis	6010D		1	140157	AS	EET ORL	03/04/25 16:42
Total Recoverable	Prep	3005A			139973	JR	EET ORL	03/04/25 10:14
Total Recoverable	Analysis	6020B		1	140158	JA	EET ORL	03/04/25 17:38
Total/NA	Prep	7470A			140266	EB	EET ORL	03/05/25 10:49
Total/NA	Analysis	7470A		1	140344	EB	EET ORL	03/05/25 16:14
Total/NA	Analysis	2320B-2011		1	140324	VR	EET ORL	03/05/25 12:27
Total/NA	Analysis	2540C - 2015		1	140799	SM	EET ORL	03/07/25 11:32
Total/NA	Analysis	375.4		1	140058	VJW	EET ORL	03/04/25 13:43
Total/NA	Analysis	4500 Cl E-2011		1	140650	BK	EET ORL	03/06/25 16:30
Total/NA	Analysis	SM 4500 F C		1	701355	JP	EET PEN	03/05/25 15:59

Client Sample ID: CCR-13-20250303
Lab Sample ID: 660-141315-1
Date Collected: 03/03/25 14:49
Matrix: Water
Date Received: 03/04/25 13:42

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			140234	JR	EET ORL	03/05/25 09:12
Total Recoverable	Analysis	6010D		1	140482	EV	EET ORL	03/05/25 17:53
Total Recoverable	Prep	3005A			140233	JR	EET ORL	03/05/25 09:10
Total Recoverable	Analysis	6020B		1	140456	JA	EET ORL	03/05/25 17:25
Total/NA	Prep	7470A			140338	EB	EET ORL	03/05/25 16:01
Total/NA	Analysis	7470A		1	140843	EB	EET ORL	03/07/25 11:08
Total/NA	Analysis	2540C - 2015		1	140799	SM	EET ORL	03/07/25 11:32
Total/NA	Analysis	375.4		25	141343	VJW	EET ORL	03/10/25 15:03
Total/NA	Analysis	4500 Cl E-2011		1	141927	LD	EET ORL	03/13/25 18:27
Total/NA	Analysis	SM 4500 F C		1	701644	JP	EET PEN	03/07/25 15:51

Client Sample ID: CCR-6-20250304
Lab Sample ID: 660-141315-2

Date Collected: 03/04/25 10:12
Matrix: Water
Date Received: 03/04/25 13:42

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			140234	JR	EET ORL	03/05/25 09:12
Total Recoverable	Analysis	6010D		1	140482	EV	EET ORL	03/05/25 17:55
Total Recoverable	Prep	3005A			140233	JR	EET ORL	03/05/25 09:10
Total Recoverable	Analysis	6020B		1	140456	JA	EET ORL	03/05/25 17:40
Total Recoverable	Prep	3005A			140233	JR	EET ORL	03/05/25 09:10
Total Recoverable	Analysis	6020B		100	140751	JA	EET ORL	03/06/25 12:01
Total Recoverable	Prep	3005A			140233	JR	EET ORL	03/05/25 09:10
Total Recoverable	Analysis	6020B		1	140546	JA	EET ORL	03/06/25 11:10
Total/NA	Prep	7470A			140338	EB	EET ORL	03/05/25 16:01
Total/NA	Analysis	7470A		1	140843	EB	EET ORL	03/07/25 11:09
Total/NA	Analysis	2320B-2011		1	140324	VR	EET ORL	03/05/25 12:23
Total/NA	Analysis	2540C - 2015		1	141078	SM	EET ORL	03/10/25 15:08
Total/NA	Analysis	375.4		5	141343	VJW	EET ORL	03/10/25 14:47
Total/NA	Analysis	4500 Cl E-2011		1	140650	BK	EET ORL	03/06/25 16:39
Total/NA	Analysis	SM 4500 F C		1	701644	JP	EET PEN	03/07/25 15:54

Client Sample ID: CCR-7-20250304
Lab Sample ID: 660-141315-3

Date Collected: 03/04/25 11:18
Matrix: Water
Date Received: 03/04/25 13:42

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			140234	JR	EET ORL	03/05/25 09:12
Total Recoverable	Analysis	6010D		1	140482	EV	EET ORL	03/05/25 17:57
Total Recoverable	Prep	3005A			140233	JR	EET ORL	03/05/25 09:10
Total Recoverable	Analysis	6020B		1	140456	JA	EET ORL	03/05/25 17:43
Total Recoverable	Prep	3005A			140233	JR	EET ORL	03/05/25 09:10
Total Recoverable	Analysis	6020B		1	140546	JA	EET ORL	03/06/25 11:14
Total/NA	Prep	7470A			140338	EB	EET ORL	03/05/25 16:01
Total/NA	Analysis	7470A		1	140843	EB	EET ORL	03/07/25 11:10
Total/NA	Analysis	2320B-2011		1	140324	VR	EET ORL	03/05/25 12:05
Total/NA	Analysis	2540C - 2015		1	141078	SM	EET ORL	03/10/25 15:08
Total/NA	Analysis	375.4		5	141343	VJW	EET ORL	03/10/25 17:24
Total/NA	Analysis	4500 Cl E-2011		1	140650	BK	EET ORL	03/06/25 16:41
Total/NA	Analysis	SM 4500 F C		1	701644	JP	EET PEN	03/07/25 15:56

Client Sample ID: CCR-12-20250304
Lab Sample ID: 660-141315-4

Date Collected: 03/04/25 10:00
Matrix: Water
Date Received: 03/04/25 13:42

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			140234	JR	EET ORL	03/05/25 09:12
Total Recoverable	Analysis	6010D		1	140482	EV	EET ORL	03/05/25 18:00
Total Recoverable	Prep	3005A			140233	JR	EET ORL	03/05/25 09:10
Total Recoverable	Analysis	6020B		1	140456	JA	EET ORL	03/05/25 17:50

Client Sample ID: CCR-12-20250304
Lab Sample ID: 660-141315-4

Date Collected: 03/04/25 10:00
Matrix: Water
Date Received: 03/04/25 13:42

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			140233	JR	EET ORL	03/05/25 09:10
Total Recoverable	Analysis	6020B		100	140456	JA	EET ORL	03/05/25 17:53
Total Recoverable	Prep	3005A			140233	JR	EET ORL	03/05/25 09:10
Total Recoverable	Analysis	6020B		1	140546	JA	EET ORL	03/06/25 11:18
Total/NA	Prep	7470A			140338	EB	EET ORL	03/05/25 16:01
Total/NA	Analysis	7470A		1	140843	EB	EET ORL	03/07/25 11:12
Total/NA	Analysis	2320B-2011		1	140324	VR	EET ORL	03/05/25 11:59
Total/NA	Analysis	2540C - 2015		1	141078	SM	EET ORL	03/10/25 15:08
Total/NA	Analysis	375.4		25	141343	VJW	EET ORL	03/10/25 15:04
Total/NA	Analysis	4500 Cl E-2011		100	140650	BK	EET ORL	03/06/25 16:42
Total/NA	Analysis	SM 4500 F C		1	701644	JP	EET PEN	03/07/25 15:59

Client Sample ID: CCR-21-20250303
Lab Sample ID: 660-141315-5

Date Collected: 03/03/25 13:31
Matrix: Water
Date Received: 03/04/25 13:42

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			140234	JR	EET ORL	03/05/25 09:12
Total Recoverable	Analysis	6010D		1	140482	EV	EET ORL	03/05/25 18:02
Total Recoverable	Prep	3005A			140233	JR	EET ORL	03/05/25 09:10
Total Recoverable	Analysis	6020B		1	140456	JA	EET ORL	03/05/25 17:55
Total Recoverable	Prep	3005A			140233	JR	EET ORL	03/05/25 09:10
Total Recoverable	Analysis	6020B		1	140546	JA	EET ORL	03/06/25 11:23
Total/NA	Prep	7470A			140338	EB	EET ORL	03/05/25 16:01
Total/NA	Analysis	7470A		1	140843	EB	EET ORL	03/07/25 11:13
Total/NA	Analysis	2320B-2011		1	140616	VR	EET ORL	03/06/25 12:45
Total/NA	Analysis	2540C - 2015		1	140799	SM	EET ORL	03/07/25 11:32
Total/NA	Analysis	375.4		25	141343	VJW	EET ORL	03/10/25 15:04
Total/NA	Analysis	4500 Cl E-2011		1	141927	LD	EET ORL	03/13/25 18:29
Total/NA	Analysis	SM 4500 F C		1	701644	JP	EET PEN	03/07/25 16:02

Client Sample ID: SW-106-20250303
Lab Sample ID: 660-141315-6

Date Collected: 03/03/25 15:47
Matrix: Water
Date Received: 03/04/25 13:42

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			140234	JR	EET ORL	03/05/25 09:12
Total Recoverable	Analysis	6010D		1	140482	EV	EET ORL	03/05/25 17:50
Total Recoverable	Prep	3005A			140233	JR	EET ORL	03/05/25 09:10
Total Recoverable	Analysis	6020B		1	140456	JA	EET ORL	03/05/25 17:00
Total/NA	Prep	7470A			140338	EB	EET ORL	03/05/25 16:01
Total/NA	Analysis	7470A		1	140843	EB	EET ORL	03/07/25 11:14
Total/NA	Analysis	2320B-2011		1	140616	VR	EET ORL	03/06/25 12:50
Total/NA	Analysis	2540C - 2015		1	140799	SM	EET ORL	03/07/25 11:32

Client Sample ID: SW-106-20250303
Lab Sample ID: 660-141315-6

Date Collected: 03/03/25 15:47
Matrix: Water
Date Received: 03/04/25 13:42

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	375.4		1	141343	VJW	EET ORL	03/10/25 14:29
Total/NA	Analysis	4500 Cl E-2011		1	140650	BK	EET ORL	03/06/25 16:43
Total/NA	Analysis	SM 4500 F C		1	701644	JP	EET PEN	03/07/25 16:05

Client Sample ID: EB-01-20250304
Lab Sample ID: 660-141315-7

Date Collected: 03/04/25 10:27
Matrix: Water
Date Received: 03/04/25 13:42

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			140234	JR	EET ORL	03/05/25 09:12
Total Recoverable	Analysis	6010D		1	140482	EV	EET ORL	03/05/25 18:05
Total Recoverable	Prep	3005A			140233	JR	EET ORL	03/05/25 09:10
Total Recoverable	Analysis	6020B		1	140456	JA	EET ORL	03/05/25 18:03
Total Recoverable	Prep	3005A			140233	JR	EET ORL	03/05/25 09:10
Total Recoverable	Analysis	6020B		1	140546	JA	EET ORL	03/06/25 11:27
Total/NA	Prep	7470A			140338	EB	EET ORL	03/05/25 16:01
Total/NA	Analysis	7470A		1	140843	EB	EET ORL	03/07/25 11:16
Total/NA	Analysis	2320B-2011		1	140616	VR	EET ORL	03/06/25 12:53
Total/NA	Analysis	2540C - 2015		1	141078	SM	EET ORL	03/10/25 15:08
Total/NA	Analysis	375.4		1	141343	VJW	EET ORL	03/10/25 14:29
Total/NA	Analysis	4500 Cl E-2011		1	140650	BK	EET ORL	03/06/25 16:44
Total/NA	Analysis	SM 4500 F C		1	701644	JP	EET PEN	03/07/25 16:07

Client Sample ID: CCR-8-20250304
Lab Sample ID: 660-141358-1

Date Collected: 03/04/25 15:29
Matrix: Water
Date Received: 03/05/25 16:16

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			140498	JR	EET ORL	03/06/25 09:36
Total Recoverable	Analysis	6010D		1	140713	EV	EET ORL	03/06/25 18:34
Total Recoverable	Prep	3005A			140496	JR	EET ORL	03/06/25 09:34
Total Recoverable	Analysis	6020B		1	140751	JA	EET ORL	03/06/25 15:54
Total/NA	Prep	7470A			140494	EB	EET ORL	03/06/25 09:30
Total/NA	Analysis	7470A		1	140843	EB	EET ORL	03/07/25 10:23
Total/NA	Analysis	2540C - 2015		1	141078	SM	EET ORL	03/10/25 15:08
Total/NA	Analysis	375.4		2	141343	VJW	EET ORL	03/10/25 15:28
Total/NA	Analysis	4500 Cl E-2011		1	141679	LD	EET ORL	03/12/25 17:24
Total/NA	Analysis	SM 4500 F C		1	701643	JP	EET PEN	03/07/25 14:33

Client Sample ID: CCR-5-20250305
Lab Sample ID: 660-141358-2

Date Collected: 03/05/25 09:34
Matrix: Water
Date Received: 03/05/25 16:16

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			140498	JR	EET ORL	03/06/25 09:36
Total Recoverable	Analysis	6010D		1	140713	EV	EET ORL	03/06/25 18:44
Total Recoverable	Prep	3005A			140498	JR	EET ORL	03/06/25 09:36
Total Recoverable	Analysis	6010D		1	140987	AS	EET ORL	03/07/25 11:07
Total Recoverable	Prep	3005A			140496	JR	EET ORL	03/06/25 09:34
Total Recoverable	Analysis	6020B		1	140751	JA	EET ORL	03/06/25 15:08
Total Recoverable	Prep	3005A			140496	JR	EET ORL	03/06/25 09:34
Total Recoverable	Analysis	6020B		100	140751	JA	EET ORL	03/06/25 15:10
Total/NA	Prep	7470A			140494	EB	EET ORL	03/06/25 09:30
Total/NA	Analysis	7470A		1	140843	EB	EET ORL	03/07/25 10:25
Total/NA	Analysis	2320B-2011		1	140616	VR	EET ORL	03/06/25 13:01
Total/NA	Analysis	2540C - 2015		1	141063	SM	EET ORL	03/10/25 13:51
Total/NA	Analysis	375.4		25	141343	VJW	EET ORL	03/10/25 15:01
Total/NA	Analysis	4500 Cl E-2011		200	141679	LD	EET ORL	03/12/25 17:29
Total/NA	Analysis	SM 4500 F C		1	701643	JP	EET PEN	03/07/25 14:36

Client Sample ID: CCR-9-20250304
Lab Sample ID: 660-141358-3

Date Collected: 03/04/25 17:05
Matrix: Water
Date Received: 03/05/25 16:16

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			140498	JR	EET ORL	03/06/25 09:36
Total Recoverable	Analysis	6010D		1	140713	EV	EET ORL	03/06/25 18:46
Total Recoverable	Prep	3005A			140498	JR	EET ORL	03/06/25 09:36
Total Recoverable	Analysis	6010D		1	140987	AS	EET ORL	03/07/25 11:10
Total Recoverable	Prep	3005A			140496	JR	EET ORL	03/06/25 09:34
Total Recoverable	Analysis	6020B		1	140751	JA	EET ORL	03/06/25 15:15
Total Recoverable	Prep	3005A			140496	JR	EET ORL	03/06/25 09:34
Total Recoverable	Analysis	6020B		100	140751	JA	EET ORL	03/06/25 15:18
Total/NA	Prep	7470A			140494	EB	EET ORL	03/06/25 09:30
Total/NA	Analysis	7470A		1	140843	EB	EET ORL	03/07/25 10:26
Total/NA	Analysis	2320B-2011		1	140616	VR	EET ORL	03/06/25 13:55
Total/NA	Analysis	2540C - 2015		1	141078	SM	EET ORL	03/10/25 15:08
Total/NA	Analysis	375.4		25	141343	VJW	EET ORL	03/10/25 15:02
Total/NA	Analysis	4500 Cl E-2011		100	141679	LD	EET ORL	03/12/25 17:28
Total/NA	Analysis	SM 4500 F C		1	701643	JP	EET PEN	03/07/25 14:39

Client Sample ID: CCR-11-20250305
Lab Sample ID: 660-141358-4

Date Collected: 03/05/25 13:48
Matrix: Water
Date Received: 03/05/25 16:16

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			140498	JR	EET ORL	03/06/25 09:36
Total Recoverable	Analysis	6010D		1	140713	EV	EET ORL	03/06/25 18:49

Lab Chronicle

Client: City of Lakeland
Job ID: 660-141283-1
Project/Site: 2024 Semi-annual CCR Compliance Monitori

Client Sample ID: CCR-11-20250305
Lab Sample ID: 660-141358-4
Date Collected: 03/05/25 13:48
Matrix: Water
Date Received: 03/05/25 16:16

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			140498	JR	EET ORL	03/06/25 09:36
Total Recoverable	Analysis	6010D		1	140987	AS	EET ORL	03/07/25 11:12
Total Recoverable	Prep	3005A			140496	JR	EET ORL	03/06/25 09:34
Total Recoverable	Analysis	6020B		1	140751	JA	EET ORL	03/06/25 15:21
Total Recoverable	Prep	3005A			140496	JR	EET ORL	03/06/25 09:34
Total Recoverable	Analysis	6020B		100	140751	JA	EET ORL	03/06/25 15:23
Total/NA	Prep	7470A			140494	EB	EET ORL	03/06/25 09:30
Total/NA	Analysis	7470A		1	140843	EB	EET ORL	03/07/25 10:27
Total/NA	Analysis	2320B-2011		1	140616	VR	EET ORL	03/06/25 14:00
Total/NA	Analysis	2540C - 2015		1	141063	SM	EET ORL	03/10/25 13:51
Total/NA	Analysis	375.4		50	141343	VJW	EET ORL	03/10/25 15:29
Total/NA	Analysis	4500 Cl E-2011		100	141679	LD	EET ORL	03/12/25 17:35
Total/NA	Analysis	SM 4500 F C		1	701643	JP	EET PEN	03/07/25 14:43

Client Sample ID: CCR-20-20250304
Lab Sample ID: 660-141358-5
Date Collected: 03/04/25 14:00
Matrix: Water
Date Received: 03/05/25 16:16

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			140498	JR	EET ORL	03/06/25 09:36
Total Recoverable	Analysis	6010D		1	140713	EV	EET ORL	03/06/25 18:51
Total Recoverable	Prep	3005A			140498	JR	EET ORL	03/06/25 09:36
Total Recoverable	Analysis	6010D		1	140987	AS	EET ORL	03/07/25 11:15
Total Recoverable	Prep	3005A			140496	JR	EET ORL	03/06/25 09:34
Total Recoverable	Analysis	6020B		1	140751	JA	EET ORL	03/06/25 15:28
Total Recoverable	Prep	3005A			140496	JR	EET ORL	03/06/25 09:34
Total Recoverable	Analysis	6020B		100	140751	JA	EET ORL	03/06/25 15:31
Total/NA	Prep	7470A			140494	EB	EET ORL	03/06/25 09:30
Total/NA	Analysis	7470A		1	140843	EB	EET ORL	03/07/25 10:29
Total/NA	Analysis	2320B-2011		1	140616	VR	EET ORL	03/06/25 14:05
Total/NA	Analysis	2540C - 2015		1	141078	SM	EET ORL	03/10/25 15:08
Total/NA	Analysis	375.4		50	141343	VJW	EET ORL	03/10/25 15:29
Total/NA	Analysis	4500 Cl E-2011		100	141679	LD	EET ORL	03/12/25 17:31
Total/NA	Analysis	SM 4500 F C		1	701644	JP	EET PEN	03/07/25 16:11

Laboratory References:

EET ORL = Eurofins Orlando, 481 Newburyport Avenue, Altamonte Springs, FL 32701, TEL (407)339-5984

EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

Method Summary

Client: City of Lakeland
Job ID: 660-141283-1
Project/Site: 2024 Semi-annual CCR Compliance Monitori

Method	Method Description	Protocol	Laboratory
6010D	Metals (ICP)	SW846	EET ORL
6020B	Metals (ICP/MS)	SW846	EET ORL
7470A	Mercury (CVAA)	SW846	EET ORL
2320B-2011	Alkalinity, Total	SM	EET ORL
2540C - 2015	Total Dissolved Solids (Dried at 180 °C)	SM	EET ORL
375.4	Sulfate	EPA	EET ORL
4500 Cl E-2011	Chloride, Total	SM	EET ORL
SM 4500 F C	Fluoride	SM	EET PEN
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET ORL
7470A	Preparation, Mercury	SW846	EET ORL

Protocol References:

EPA = US Environmental Protection Agency

SM = "Standard Methods For The Examination Of Water And Wastewater"

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET ORL = Eurofins Orlando, 481 Newburyport Avenue, Altamonte Springs, FL 32701, TEL (407)339-5984

EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

Accreditation/Certification Summary

Client: City of Lakeland
Job ID: 660-141283-1
Project/Site: 2024 Semi-annual CCR Compliance Monitori

Laboratory: Eurofins Orlando

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Florida	NELAP	E83018	06-30-25

Laboratory: Eurofins Pensacola

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alabama	State	40150	06-30-25
ANAB	ISO/IEC 17025	L2471	02-22-26
Arkansas DEQ	State	88-00689	08-01-25
California	State	2510	06-30-25
Florida	NELAP	E81010	06-30-25
Georgia	State	E81010(FL)	06-30-25
Illinois	NELAP	200041	10-09-25
Kansas	NELAP	E-10253	10-31-25
Kentucky (UST)	State	53	06-30-25
Louisiana (All)	NELAP	30976	06-30-25
Louisiana (DW)	State	LA017	12-31-25
North Carolina (WW/SW)	State	314	12-31-25
Oklahoma	NELAP	9810	08-31-25
Pennsylvania	NELAP	68-00467	01-31-26
South Carolina	State	96026	06-30-25
Tennessee	State	TN02907	06-30-25
Texas	NELAP	T104704286	09-30-25
US Fish & Wildlife	US Federal Programs	A22340	06-30-25
USDA	US Federal Programs	FLGNV23001	01-08-26
USDA	US Federal Programs	P330-21-00056	01-09-26
Virginia	NELAP	460166	06-14-25
West Virginia DEP	State	136	03-31-25

Eurofins Tampa
6712 Benjamin Road Suite 100
Tampa, FL 33634
Phone (813) 885-7427 Phone (813) 885-7049

Chain of Custody Record

eurofins
Environment Testing

+ Rik Mathias

Client Information	Sampler: Olivia Hollingsworth	Lab PM: Betancourt, Luis I	Carrier Tracking No(s):	COC No: 660-129482-40921 1
Client Contact: Thomas Johnston	Phone: (561)213-8580	E-Mail: Luis.Betancourt@et.eurofinsus.com	State of Origin: FL	Page: Page 1 of 3
Company: City of Lakeland	PWSID:			Job #:
Address: Lakeland Electric 501 East Lemon Street	Due Date Requested: Standard			
City: Lakeland	TAT Requested (days):			
State, Zip: FL, 33801	Compliance Project: Δ Yes Δ No			
Phone: 954-802-9143(Tel)	PO #: MR-131606			
Email: Thomas.Johnston@lakelandelectric.com	WO #:			
Project Name: 2024 Semi-annual CCR Compliance	Project #: 66020486			
Site: CD McIntosh	SSOW#:			

Analysis Requested

Preservation Codes:
N None
D HNO3

Other

Loc 660 141283

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	2540C_Calcd Total Dissolved Solids	SM4500 Cl, 4500-Fl, 375.4 -Sulfate	6010D, 6020B, 7470A (APP III, IV GC Suite Metals)	2320B Alk, BiCarb	6010D, 6020B, 7470A (APP III, IV Metals)	Total Number of containers	Special Instructions/Note:
Preservation Code:							N	N	D	N	D		
CCR-1 -20250228	2/28/25	1126	G	Water			X	X			X	4	
CCR-2 -20250228	2/28/25	1034	G	Water			X	X			X	4	
CCR-4 -20250228	2/28/25	1521	G	Water			X	X			X	4	
CCR-8				Water			X	X			X		
CCR-13				Water			X	X			X		
CCR-5				Water			X	X	X	X			
CCR-6				Water			X	X	X	X			
CCR-7				Water			X	X	X	X			
CCR-9				Water			X	X	X	X			
CCR-11				Water			X	X	X	X			
CCR-12				Water			X	X	X	X			

660-141283 Chain of Custody

Possible Hazard Identification
☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☑ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I II III, IV Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Olivia Hollingsworth	3/3/25 1155	Geosyntec		3-3-25 1155	ETPA
2		3-3-25 1320	ETPA		3/3/25 1320	ETPA
3						

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks: 2.4°C CUP003

Ver: 05/06/2024

Eurofins Tampa
6712 Benjamin Road Suite 100
Tampa, FL 33634
Phone (813) 885-7427 Phone (813) 885-7049

Chain of Custody Record

eurofins

& Rik Mathias

Client Information	Sampler: Olivia Hollingsworth	Lab PM: Betancourt, Luis I	Carrier Tracking No(s):	COC No: 660-129482-40921.2
Client Contact: Thomas Johnston	Phone: (561)213-8580	E-Mail: Luis.Betancourt@et.eurofinsus.com	State of Origin: FL	Page: Page 2 of 3
Company: City of Lakeland	PWSID:			Job #:
Address: Lakeland Electric 501 East Lemon Street	Due Date Requested: Standard			
City: Lakeland	TAT Requested (days):			
State, Zip: FL, 33801	Compliance Project: Δ Yes Δ No			
Phone: 954-802-9143(Tel)	PO #: MR-131606			
Email: Thomas.Johnston@lakelandelectric.com	WO #:			
Project Name: 2024 Semi-annual CCR Compliance	Project #: 66020486			
Site: CD McIntosh Plant	SSOW#:			

Analysis Requested

Preservation Codes:
N None
D HNO3

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	2540C_Calcd Total Dissolved Solids	SM4500 Cl, 4500-Fl, 375.4 -Sulfate	6010D, 6020B, 7470A (APP III, IV GC Suite Metals)	2320B Alk, BICarb	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	D	N		
CCR-15 - 20250227	2/27/25	1509	G	Water	No	No	X	X	X	X	5	
CCR-16 - 20250227	2/27/25	1644	G	Water			X	X	X	X	5	
CCR-17 - 20250228	2/28/25	0951	G	Water			X	X	X	X	5	
CCR-18 - 20250228	2/28/25	1049	G	Water			X	X	X	X	5	
CCR-19 - 20250228	2/28/25	1400	G	Water			X	X	X	X	5	
~~CCR-20~~ @				Water			X	X	X	X		
CCR-21				Water			X	X	X	X		
CCR-22 - 20250228	2/28/25	1334	G	Water			X	X	X	X	5	
CCR-23 - 20250228	2/28/25	1249	G	Water			X	X	X	X	5	
~~SW-106~~ @				Water			X	X	X	X		
Fish Lake - 20250303	3/3/25	0935	G	Water			X	X	X	X	5	

Possible Hazard Identification
☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☑ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I II, III, IV Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Olivia Hollingsworth	3/3/25 1155	Georgia		3-3-25 1155	ETPA
2		3-3-25 1320	ETPA		3/3/25 1320	ETPA
3						

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 2.4°C COLR09

Ver: 05/06/2024

Eurofins Tampa
6712 Benjamin Road Suite 100
Tampa, FL 33634
Phone (813) 885-7427 Phone (813) 885-7049

Chain of Custody Record

+ Fik Matrix

eurofins Environment Testing

Client Information	Sampler: Olivia Hollingsworth	Lab PM: Betancourt, Luis I	Carrier Tracking No(s):	COC No: 660-129482-40921.3
Client Contact: Thomas Johnston	Phone:	E-Mail: Luis.Betancourt@et.eurofinsus.com	State of Origin: FL	Page: Page 3 of 3
Company: City of Lakeland	PWSID:	Analysis Requested		Job #:
Address: Lakeland Electric 501 East Lemon Street	Due Date Requested: Standard			Preservation Codes: N None D HNO3
City: Lakeland	TAT Requested (days):			
State, Zip: FL, 33801	Compliance Project: Δ Yes Δ No			
Phone: 954-802-9143(Tel)	PO #: MR-131606			
Email: Thomas.Johnston@lakelandelectric.com	WO #:			
Project Name: 2024 Semi-annual CCR Compliance	Project #: 66020486			
Site: CP McIntosh	SSOW#:			Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	2540C_Calcd Total Dissolved Solids	SM4500 Cl, 4500-Fl, 375.4 -Sulfate	6010D, 6020B, 7470A (APP III, IV GC Suite Metals)	2320B Alk, BICarb											Total Number of containers	Special Instructions/Note:
Preservation Code:					X	X	N	N	D	N												
Lake D – 20250303	3/3/25	0900	G	Water			X	X	X	X											5	
EQB-1				Water			X	X	X	X												

Page 76 of 98

3/13/2025

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological	☐ Return To Client ☑ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III IV Other (specify)	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Olivia Hollingsworth	3/3/25 1155	Geosynt		3-3-25 1155	ETPA
Relinquished by:	Date/Time: 3-3-25 1320	Company ETPA	Received by:	Date/Time: 3/3/25 1320	Company ETPA
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks: 2.4°C CU1209

Ver 05/06/2024

Eurofins Tampa
6712 Benjamin Road Suite 100
Tampa, FL 33634
Phone (813) 885-7427 Phone (813) 885-7049

Chain of Custody Record

eurofins

+ Pik Matrize

Client Information	Sampler: Olivia Hollingsworth	Lab PM: Betancourt, Luis I	Carrier Tracking No(s):	COC No: 660-129482-40921 1
Client Contact: Thomas Johnston	Phone: (561) 213-8580	E-Mail: Luis.Betancourt@et.eurofinsus.com	State of Origin: FL	Page: Page 1 of 3
Company: City of Lakeland	PWSID:			Job #:
Address: Lakeland Electric 501 East Lemon Street	Due Date Requested: Standard			Preservation Codes: N None D HNO3
City: Lakeland	TAT Requested (days):			
State, Zip: FL, 33801	Compliance Project: Δ Yes Δ No			
Phone: 954-802-9143(Tel)	PO #: MR-131606			
Email: Thomas.Johnston@lakelandelectric.com	WO #:			
Project Name: 2024 Semi-annual CCR Compliance	Project #: 66020486			
Site: CD McIntosh Plant	SSOW#:			Other

Analysis Requested

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	2540C_Calcd Total Dissolved Solids	SM4500 Cl, 4500-Fl, 375.4 -Sulfate	6010D, 6020B, 7470A (APP III, IV GC Suite Metals)	2320B Alk, BiCarb	6010D, 6020B, 7470A (APP III, IV Metals)	Total Number of containers	Special Instructions/Note:
Preservation Code:							N	N	D	N	D		
CCR-1				Water	No	No	X	X			X		
CCR-2				Water			X	X			X		
CCR-4				Water			X	X			X		
CCR-8				Water			X	X			X		
CCR-13 - 20250303	3/3/25	1449	G	Water			X	X			X	4	
CCR-5				Water			X	X	X	X			
CCR-6 - 20250304	3/4/25	1012	G	Water			X	X	X	X		5	
CCR-7 - 20250304	3/4/25	1118	G	Water			X	X	X	X		5	
CCR-9				Water			X	X	X	X			
CCR-11				Water			X	X	X	X			
CCR-12 - 20250304	3/4/25	1000	G	Water			X	X	X	X		5	

660-141315 Chain of Custody

Loc: 660
141315

Possible Hazard Identification
☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☑ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III IV Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1		3-4-25 @ 1206	Geosyntec		3-4-25 1206	ETA
2		3-4-25 1342	ETA		3-4-25 1342	ETA
3						

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks:
		2.2°C WIR09

Ver: 05/06/2024

Eurofins Tampa
6712 Benjamin Road Suite 100
Tampa, FL 33634
Phone (813) 885-7427 Phone (813) 885-7049

Chain of Custody Record

eurofins
Environment Testing

+ Kic Matrix

Client Information	Sampler: Olivia Hollingsworth	Lab PM: Betancourt, Luis I	Carrier Tracking No(s):	COC No: 660-129482-40921.2
Client Contact: Thomas Johnston	Phone: (863) 213-8580	E-Mail: Luis.Betancourt@et.eurofinsus.com	State of Origin: FL	Page: Page 2 of 3
Company: City of Lakeland	PWSID:			Job #:
Address: Lakeland Electric 501 East Lemon Street	Due Date Requested: Standard			
City: Lakeland	TAT Requested (days):			
State, Zip: FL, 33801	Compliance Project: Δ Yes Δ No			
Phone: 954-802-9143(Tel)	PO #: MR-131606			
Email: Thomas.Johnston@lakelandelectric.com	WO #:			
Project Name: 2024 Semi-annual CCR Compliance	Project #: 66020486			
Site: @ McIntosh Plant	SSOW#:			

Analysis Requested

Preservation Codes:
N None
D HNO3
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	2540C_Calcd Total Dissolved Solids	SM4500 Cl, 4500-Fl, 376.4 -Sulfate	6010D, 6020B, 7470A (APP III, IV GC Suite Metals)	2320B Alk, BiCarb	Total Number of containers	Special Instructions/Note:
Preservation Code:							N	N	D	N		
~~CCR-16~~				Water	No	No	X	X	X	X		
CCR-16 @				Water			X	X	X	X		
CCR-17				Water			X	X	X	X		
CCR-18				Water			X	X	X	X		
CCR-19 @				Water			X	X	X	X		
~~CCR-20~~				Water			X	X	X	X		
CCR-21 20250303	3/3/25	1331	G	Water			X	X	X	X	5	
CCR-22 @				Water			X	X	X	X		
CCR-23				Water			X	X	X	X		
SW-106 20250303	3/3/25	1547	G	Water			X	X	X	X	5	
~~Fish Lake~~ @				Water			X	X	X	X		

Possible Hazard Identification
☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☑ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I II III, IV Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	R.K. Mathias	3.4.25 @ 1206	GeoSyntec		3.4.25 1206	ETPA
2		3-4-25 1342	ETPA		3.4.25 1342	ETPA
3						

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks:
		2.2°C CWC09

Ver 05/06/2024

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6712 Benjamin Road Suite 100
Tampa, FL 33634
Phone (813) 885-7427 Phone (813) 885-7049

Chain of Custody Record

eurofins
Environment Testing

+ Lk Mattie

Client Information	Sampler: Olivia Hollingsworth	Lab PM: Betancourt, Luis I	Carrier Tracking No(s):	COC No: 660-129482-40921.3
Client Contact: Thomas Johnston	Phone: (561)213-8580	E-Mail: Luis.Betancourt@et.eurofinsus.com	State of Origin: FL	Page: Page 3 of 3
Company: City of Lakeland	PWSID:			Job #:
Address: Lakeland Electric 501 East Lemon Street	Due Date Requested: Standard			
City: Lakeland	TAT Requested (days):			
State, Zip: FL, 33801	Compliance Project: Δ Yes Δ No			
Phone: 954-802-9143(Tel)	PO #: MR-131606			
Email: Thomas.Johnston@lakelandelectric.com	WO #:			
Project Name: 2024 Semi-annual CCR Compliance	Project #: 66020486			
Site: C.D McIntosh Plant	SSOW#:			

Analysis Requested

Preservation Codes:
N None
D HNO3
Other

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (Ww=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	2540C_Calcd Total Dissolved Solids	SM4500 Cl, 4500-Fl, 375.4 -Sulfate	6010D, 8020B, 7470A (APP III, IV GC Suite Metals)	2320B Alk, BICarb	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	D	N		
Lake D				Water			X	X	X	X		
~~EQB-1~~ EB-01-20250304	3/4/25	1027	G	Water			X	X	X	X	5	

Possible Hazard Identification
☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☑ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II III IV Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		3-4-25 @ 1206	GEOSYNTEC		3 4 25 1206	ETA
2		3-4-25 1342	ETA		3425 1342	ETA
3		Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 2.2°C WIR09

Ver 05/06/2024

Eurofins Tampa
6712 Benjamin Road Suite 100
Tampa, FL 33634
Phone (813) 885-7427 Phone (813) 885-7049

Chain of Custody Record

eurofins Environment Testing

+ Pit Matrix

Client Information	Sampler: Olivia Hollingsworth	Lab PM: Betancourt, Luis I	Carrier Tracking No(s):	COC No: 660-129482-40921 1
Client Contact: Thomas Johnston	Phone: (561) 213-8580	E-Mail: Luis.Betancourt@et.eurofinsus.com	State of Origin: FL	Page: Page 1 of 2
Company: City of Lakeland	PWSID:			Job #:
Address: Lakeland Electric 501 East Lemon Street	Due Date Requested: Standard			
City: Lakeland	TAT Requested (days):			
State, Zip: FL, 33801	Compliance Project: Δ Yes Δ No			
Phone: 954-802-9143(Tel)	PO #: MR-131606			
Email: Thomas.Johnston@lakelandelectric.com	WO #:			
Project Name: 2024 Semi-annual CCR Compliance	Project #: 66020486			
Site: CD McIntosh Plant	SSOW#:			

Analysis Requested

Preservation Codes: N None; D HNO3

Loc 660 141358

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	2540C_Calcd Total Dissolved Solids	SM4500 Cl, 4500-Fl, 375.4 -Sulfate	6010D, 6020B, 7470A (APP III, IV GC Suite Metals)	2320B Alk, BiCarb	6010D, 6020B, 7470A (APP III, IV Metals)	Total Number of containers	Other	Note:
Preservation Code:							N	N	D	N	D			
CCR-1				Water			X	X			X			
CCR-2				Water			X	X			X			
CCR-4				Water			X	X			X			
CCR-8 - 20250304	3/4/25	1529	G	Water			X	X			X	4		
CCR-13				Water			X	X			X			
CCR-5 - 20250305	3/5/25	0934	G	Water			X	X	X	X		5		
CCR-6				Water			X	X	X	X				
CCR-7				Water			X	X	X	X				
CCR-9 20250304	3/4/25	1705	G	Water			X	X	X	X		5		
CCR-11 20250305	3/5/25	1348		Water			X	X	X	X		5		
CCR-12				Water			X	X	X	X				

660-141358 Chain of Custody

Possible Hazard Identification
☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☑ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III IV Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Olivia Hollingsworth	3/5/25 1616	GeoSyntec		3-5-25 1616	ETH
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 3.4°C IR09

Ver: 05/06/2024

Eurofins Tampa
6712 Benjamin Road Suite 100
Tampa, FL 33634
Phone (813) 885-7427 Phone (813) 885-7049

Chain of Custody Record

eurofins

+ RK Metals

Client Information	Sampler: Olivia Hollingsworth	Lab PM: Betancourt, Luis I	Carrier Tracking No(s):	COC No: 660-129482-40921.2
Client Contact: Thomas Johnston	Phone: (561) 213-8580	E-Mail: Luis.Betancourt@et.eurofinsus.com	State of Origin: FL	Page: Page 2 of 2
Company: City of Lakeland	PWSID:			Job #:
Address: Lakeland Electric 501 East Lemon Street	Due Date Requested: Standard			
City: Lakeland	TAT Requested (days):			
State, Zip: FL, 33801	Compliance Project: Δ Yes Δ No			
Phone: 954-802-9143(Tel)	PO #: MR-131606			
Email: Thomas.Johnston@lakelandelectric.com	WO #:			
Project Name: 2024 Semi-annual CCR Compliance	Project #: 66020486			
Site: CD McIntosh Plant	SSOW#:			

Analysis Requested

Preservation Codes:
N None
D HNO3

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	2540C_Calcd Total Dissolved Solids	SM4500 Cl, 4500-Fl, 375.4 -Sulfate	6010D, 6020B, 7470A (APP III, IV GC Suite Metals)	2320B Alk, BICarb	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	D	N		
CCR-15				Water			X	X	X	X		
CCR-16				Water			X	X	X	X		
CCR-17				Water			X	X	X	X		
CCR-18				Water			X	X	X	X		
CCR-19				Water			X	X	X	X		
CCR-20 -20250304	3/4/25	1400	G	Water			X	X	X	X	5	
CCR-21				Water			X	X	X	X		
CCR-22				Water			X	X	X	X		
CCR-23				Water			X	X	X	X		
SW-106				Water			X	X	X	X		
Fish Lake				Water			X	X	X	X		

Possible Hazard Identification
☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☑ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III IV Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Olivia Hollingsworth	3/5/25 1616	Georgette		3-5-25 1616	EToh
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks: 3.4°C IR09

Ver: 05/06/2024

Eurofins Tampa
6712 Benjamin Road Suite 100
Tampa, FL 33634
Phone: 813-885-7427 Fax: 813-885-7049

Chain of Custody Record

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Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Betancourt, Luis I	Carrier Tracking No(s): N/A	COC No: 660-147153.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Luis.Betancourt@et.eurofinsus.com	State of Origin: Florida	Page: Page 1 of 2
Company: Eurofins Environment Testing Southeast L		Accreditations Required (See note): NELAP - Florida		Job #: 660-141283-1
Address: 3355 McLemore Drive, ,	Due Date Requested: 3/10/2025			Preservation Codes: -
City: Pensacola	TAT Requested (days): N/A			
State, Zip: FL, 32514				
Phone: 850-474-1001(Tel) 850-478-2671(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: 2024 Semi-annual CCR Compliance Monitori	Project #: 66020486			
Site: N/A	SSOW#: N/A			Other: N/A

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	4500_F_C/ Fluoride	Special Instructions/Note:
CCR-1-20250228 (660-141283-1)	2/28/25	11:26 Eastern	G	Water	X	
CCR-2-20250228 (660-141283-2)	2/28/25	10:34 Eastern	G	Water	X	
CCR-4-20250228 (660-141283-3)	2/28/25	15:21 Eastern	G	Water	X	
CCR-15--20250227 (660-141283-4)	2/27/25	15:09 Eastern	G	Water	X	
CCR-16--20250227 (660-141283-5)	2/27/25	16:44 Eastern	G	Water	X	
CCR-17-20250228 (660-141283-6)	2/28/25	09:51 Eastern	G	Water	X	
CCR-18-20250228 (660-141283-7)	2/28/25	10:49 Eastern	G	Water	X	
CCR-19-20250228 (660-141283-8)	2/28/25	14:00 Eastern	G	Water	X	
CCR-22-20250228 (660-141283-9)	2/28/25	13:34 Eastern	G	Water	X	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Southeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Southeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Southeast, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Southeast, LLC.

Possible Hazard Identification *Unconfirmed*	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*** ☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	3-3-25 1630	EMPA			
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 3/4/25 940	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 3.4°C IR8

Ver: 10/10/2024

Eurofins Tampa
6712 Benjamin Road Suite 100
Tampa, FL 33634
Phone: 813-885-7427 Fax: 813-885-7049

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Betancourt, Luis I	Carrier Tracking No(s): N/A	COC No: 660-147153.2
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Luis.Betancourt@et.eurofinsus.com	State of Origin: Florida	Page: Page 2 of 2
Company: Eurofins Environment Testing Southeast L		Accreditations Required (See note): NELAP - Florida		Job #: 660-141283-1
Address: 3355 McLemore Drive, ,	Due Date Requested: 3/10/2025			Preservation Codes: -
City: Pensacola	TAT Requested (days): N/A			
State, Zip: FL, 32514				
Phone: 850-474-1001(Tel) 850-478-2671(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: 2024 Semi-annual CCR Compliance Monitori	Project #: 66020486			
Site: N/A	SSOW#: N/A			Other: N/A

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	4500_F_C/ Fluoride	Special Instructions/Note:
CCR-23-20250228 (660-141283-10)	2/28/25	12:49 Eastern	G	Water	X	
Fish Lake-20250303 (660-141283-11)	3/3/25	09:35 Eastern	G	Water	X	
Lake D-20250303 (660-141283-12)	3/3/25	09:00 Eastern	G	Water	X	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Southeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Southeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Southeast, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Southeast, LLC.

Possible Hazard Identification	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)***
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	[signature]	3.3.25 1630	ETA			
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by: BP	Date/Time: 3/4/25 940	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 3.4°C IR8

Ver: 10/10/2024



ORIGIN ID:TPFA (813) 885-7427
MONICA STEGMAN
EUROFINS TAMPA
6712 BENJAMIN RD STE 100

TAMPA, FL 33634
UNITED STATES US

SHIP DATE: 03MAR25
ACTWGT: 18.00 LB
CAD: 112292650/INET4535
DIMS: 10x15x12 IN

BILL SENDER

TO SAMPLE CONTROL
~~EUROFINS PENSACOLA~~
~~3355~~ MCLEMORE DRIVE

PENSACOLA FL 32514
(850) 474-1001 REF:
INV.
PO: DEPT:

FedEx Express

TUE - 04 MAR 10:30A
PRIORITY OVERNIGHT

TRK# 0201 7724 5003 3094

XP PNSA

32514
FL-US BFM

Part # 159469-434 MTW EXP 11/25

Eurofins Tampa
6712 Benjamin Road Suite 100
Tampa, FL 33634
Phone: 813-885-7427 Fax: 813-885-7049

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Betancourt, Luis I	Carrier Tracking No(s): N/A	COC No: 660-147176.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Luis.Betancourt@et.eurofinsus.com	State of Origin: Florida	Page: Page 1 of 1
Company: Eurofins Environment Testing Southeast L		Accreditations Required (See note): NELAP - Florida		Job #: 660-141358-1
Address: 3355 McLemore Drive, ,	Due Date Requested: 3/12/2025			Preservation Codes: -
City: Pensacola	TAT Requested (days): N/A			
State, Zip: FL, 32514				
Phone: 850-474-1001(Tel) 850-478-2671(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: 2024 Semi-annual CCR Compliance Monitori	Project #: 66020486			
Site: N/A	SSOW#: N/A			Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Perform MS/MSD (Yes or No)	4500_F_C/ Fluoride	Special Instructions/Note:
CCR-8-20250304 (660-141358-1)	3/4/25	15:29 Eastern	G	Water		X	
CCR-5-20250305 (660-141358-2)	3/5/25	09:34 Eastern	G	Water		X	
CCR-9-20250304 (660-141358-3)	3/4/25	17:05 Eastern	G	Water		X	
CCR-11-20250305 (660-141358-4)	3/5/25	13:48 Eastern	G	Water		X	
CCR-20-20250304 (660-141358-5)	3/4/25	14:00 Eastern	G	Water		X	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Southeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Southeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Southeast, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Southeast, LLC.

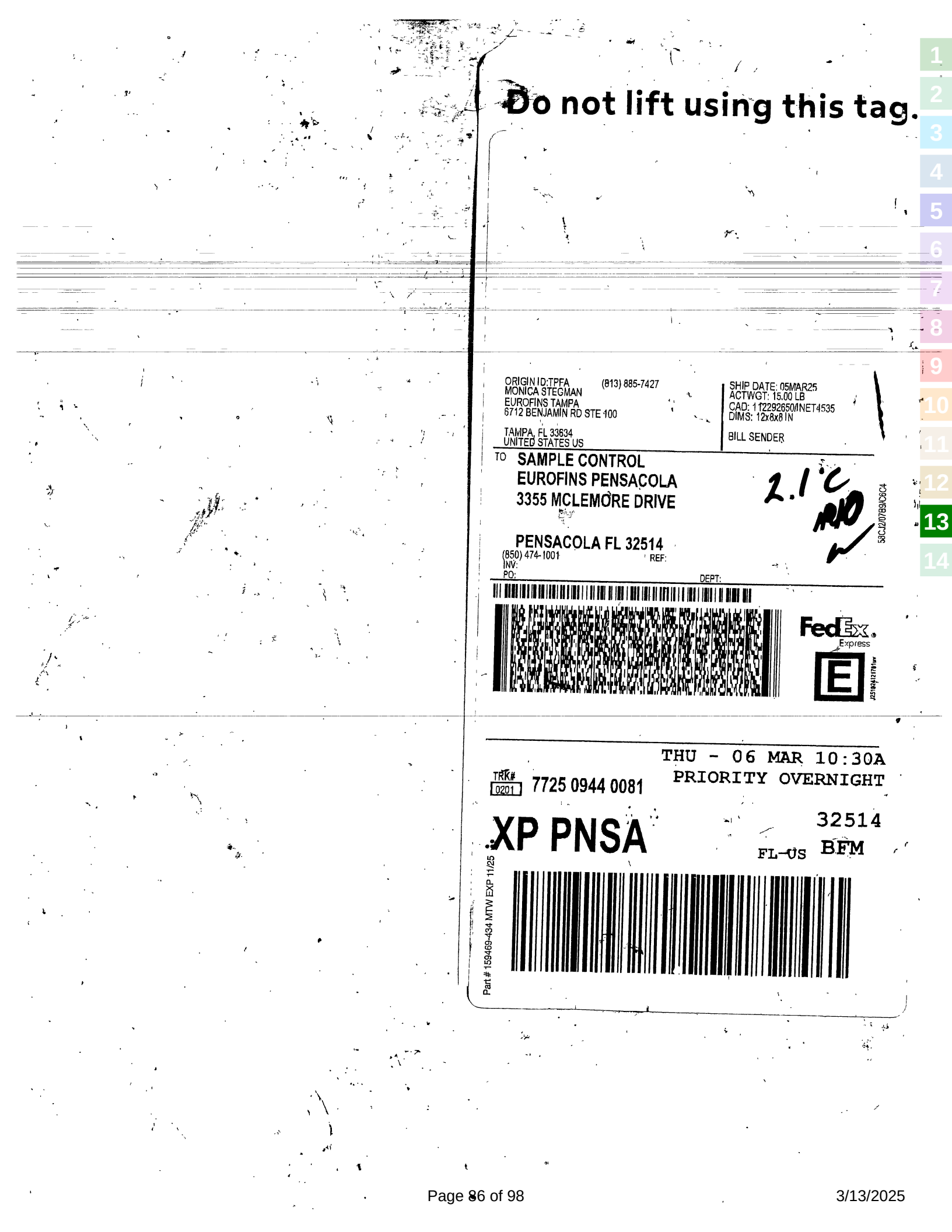
Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
[signature]	3-5-25 1640	ETA			
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by: [signature]	Date/Time: 3/6/25 934	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 2.1°C DR 10

Ver: 10/10/2024


Do not lift using this tag.
ORIGIN ID:TPFA (813) 885-7427
MONICA STEGMAN
EUROFINS TAMPA
6712 BENJAMIN RD STE 100
TAMPA, FL 33634
UNITED STATES US
SHIP DATE: 05MAR25
ACTWGT: 15.00 LB
CAD: 11292650/INET4535
DIMS: 12x8x8 IN
BILL SENDER
TO SAMPLE CONTROL
EUROFINS PENSACOLA
3355 MCLEMORE DRIVE
PENSACOLA FL 32514
(850) 474-1001
REF:
INV:
PO:
DEPT:
2.1°C
FedEx Express
THU - 06 MAR 10:30A
PRIORITY OVERNIGHT
TRK# 0201 7725 0944 0081
XP PNSA
32514
FL-US BFM
Part # 159469-434 MTW EXP 11/25

Eurofins Tampa
6712 Benjamin Road Suite 100
Tampa, FL 33634
Phone: 813-885-7427 Fax: 813-885-7049

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Betancourt, Luis I	Carrier Tracking No(s): N/A	COC No: 660-147149.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Luis.Betancourt@et.eurofinsus.com	State of Origin: Florida	Page: Page 1 of 1
Company: Eurofins Environment Testing Southeast L		Accreditations Required (See note): NELAP - Florida		Job #: 660-141283-1
Address: 481 Newburyport Avenue,	Due Date Requested: 3/7/2025			Preservation Codes: -
City: Altamonte Springs	TAT Requested (days): N/A			
State, Zip: FL, 32701				
Phone: 407-339-5984(Tel) 407-260-6110(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: 2024 Semi-annual CCR Compliance Monitori	Project #: 66020486			
Site: N/A	SSOW#: N/A			Other: N/A

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010D/3005A Ca,Mg,Na,Li,Cr,B	6020B/3005A As,Sb,Cd,Ba,Pb,Be,Mo,Se,Co,Tl,K	7470A/7470A_Prep Mercury	2540C_Calcd/ Total Dissolved Solids	2320B/ Alk, BiCarb	SM4500_Cl_E/ Total Chloride	375.4/ Sulfate						Total Number of containers	Special Instructions/Note:
			Preservation Code:																	
CCR-15--20250227 (660-141283-4)	2/27/25	15:09 Eastern	G	Water			X	X	X	X	X	X	X						4	
CCR-16--20250227 (660-141283-5)	2/27/25	16:44 Eastern	G	Water			X	X	X	X	X	X	X						4	
CCR-17-20250228 (660-141283-6)	2/28/25	09:51 Eastern	G	Water			X	X	X	X	X	X	X						4	
CCR-18-20250228 (660-141283-7)	2/28/25	10:49 Eastern	G	Water			X	X	X	X	X	X	X						4	
CCR-19-20250228 (660-141283-8)	2/28/25	14:00 Eastern	G	Water			X	X	X	X	X	X	X						4	
CCR-22-20250228 (660-141283-9)	2/28/25	13:34 Eastern	G	Water			X	X	X	X	X	X	X						4	
CCR-23-20250228 (660-141283-10)	2/28/25	12:49 Eastern	G	Water			X	X	X	X	X	X	X						4	
Fish Lake-20250303 (660-141283-11)	3/3/25	09:35 Eastern	G	Water			X	X	X	X	X	X	X						4	
Lake D-20250303 (660-141283-12)	3/3/25	09:00 Eastern	G	Water			X	X	X	X	X	X	X						4	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Southeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Southeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Southeast, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Southeast, LLC.

Possible Hazard Identification *Unconfirmed*	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*** ☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	[signature]	3-3-25 1700	EA	[signature]	3/4/25 8:00	
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 1.8/1.6

Eurofins Tampa
6712 Benjamin Road Suite 100
Tampa, FL 33634
Phone: 813-885-7427 Fax: 813-885-7049

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Betancourt, Luis I	Carrier Tracking No(s): N/A	COC No: 660-147148.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Luis.Betancourt@et.eurofinsus.com	State of Origin: Florida	Page: Page 1 of 1
Company: Eurofins Environment Testing Southeast L		Accreditations Required (See note): NELAP - Florida		Job #: 660-141283-1
Address: 481 Newburyport Avenue, ,	Due Date Requested: 3/7/2025			Preservation Codes: -
City: Altamonte Springs	TAT Requested (days): N/A			
State, Zip: FL, 32701				
Phone: 407-339-5984(Tel) 407-260-6110(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: 2024 Semi-annual CCR Compliance Monitori	Project #: 66020486			
Site: N/A	SSOW#: N/A			Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010D/3005A Ca,Li,Cr,B	6020B/3005A As,Sb,Cd,Ba,Pb,Be,Mo,Se,Co,Tl	7470A/7470A_Prep Mercury	2540C_Calcd/ Total Dissolved Solids	SM4500_Cl_E/ Total Chloride	375.4/ Sulfate	Total Number of containers	Special Instructions/Note:
			Preservation Code:											
CCR-1-20250228 (660-141283-1)	2/28/25	11:26 Eastern	G	Water			X	X	X	X	X	X	3	
CCR-2-20250228 (660-141283-2)	2/28/25	10:34 Eastern	G	Water			X	X	X	X	X	X	3	
CCR-4-20250228 (660-141283-3)	2/28/25	15:21 Eastern	G	Water			X	X	X	X	X	X	3	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Southeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Southeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Southeast, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Southeast, LLC.

Possible Hazard Identification *Unconfirmed*	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*** ☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	3-3-25 1700	ETA		3/4/25 8:00	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 1.2 | 1.0

Eurofins Tampa
6712 Benjamin Road Suite 100
Tampa, FL 33634
Phone: 813-885-7427 Fax: 813-885-7049

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Betancourt, Luis I	Carrier Tracking No(s): N/A	COC No: 660-147177.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Luis.Betancourt@et.eurofinsus.com	State of Origin: Florida	Page: Page 1 of 1
Company: Eurofins Environment Testing Southeast L		Accreditations Required (See note): NELAP - Florida		Job #: 660-141358-1
Address: 481 Newburyport Avenue, ,	Due Date Requested: 3/11/2025			Preservation Codes: -
City: Altamonte Springs	TAT Requested (days): N/A			
State, Zip: FL, 32701				
Phone: 407-339-5984(Tel) 407-260-6110(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: 2024 Semi-annual CCR Compliance Monitori	Project #: 66020486			
Site: N/A	SSOW#: N/A			Other: N/A

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	2540C_Calcd/ Total Dissolved Solids	SM4500_Cl_E/ Total Chloride	375.4/ Sulfate	6010D/3005A Ca,Li,Cr,B	6020B/3005A As,Sb,Cd,Ba,Pb,Be,Mo,Se,Co,Tl	7470A/7470A_Prep Mercury	2320B/ Alk, BICarb	Total Number of containers	Special Instructions/Note:
Preservation Code:															
CCR-8-20250304 (660-141358-1)	3/4/25	15:29 Eastern	G	Water			X	X	X					3	
CCR-5-20250305 (660-141358-2)	3/5/25	09:34 Eastern	G	Water			X	X	X	X	X	X	X	4	
CCR-9-20250304 (660-141358-3)	3/4/25	17:05 Eastern	G	Water			X	X	X	X	X	X	X	4	
CCR-11-20250305 (660-141358-4)	3/5/25	13:48 Eastern	G	Water			X	X	X	X	X	X	X	4	
CCR-20-20250304 (660-141358-5)	3/4/25	14:00 Eastern	G	Water			X	X	X	X	X	X	X	4	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Southeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Southeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Southeast, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Southeast, LLC.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	3-5-25 1700	ET-TLH		3/6/25 800	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 2.0 / 1.8

Ver: 10/10/2024

Login Sample Receipt Checklist

Client: City of Lakeland

Job Number: 660-141283-1

Login Number: 141283

List Source: Eurofins Tampa

List Number: 1

Creator: Grohman, Tina

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: City of Lakeland

Job Number: 660-141283-1

Login Number: 141283
List Number: 2
Creator: Gemeinhardt, Alexandria

List Source: Eurofins Orlando
List Creation: 03/04/25 07:36 AM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: City of Lakeland

Job Number: 660-141283-1

Login Number: 141283
List Number: 3
Creator: Pardonner, Brett

List Source: Eurofins Pensacola
List Creation: 03/04/25 02:36 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.4°C IR8
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: City of Lakeland

Job Number: 660-141283-1

Login Number: 141315

List Source: Eurofins Tampa

List Number: 1

Creator: Speck, Wesley

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Login Sample Receipt Checklist

Client: City of Lakeland

Job Number: 660-141283-1

Login Number: 141315
List Number: 2
Creator: Gemeinhardt, Alexandria

List Source: Eurofins Orlando
List Creation: 03/05/25 07:26 AM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Login Sample Receipt Checklist

Client: City of Lakeland

Job Number: 660-141283-1

Login Number: 141315
List Number: 3
Creator: Pardonner, Brett

List Source: Eurofins Pensacola
List Creation: 03/05/25 02:26 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	0.8°C IR8
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Login Sample Receipt Checklist

Client: City of Lakeland

Job Number: 660-141283-1

Login Number: 141358

List Source: Eurofins Tampa

List Number: 1

Creator: Grohman, Tina

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Login Sample Receipt Checklist

Client: City of Lakeland

Job Number: 660-141283-1

Login Number: 141358
List Number: 2
Creator: Gemeinhardt, Alexandria

List Source: Eurofins Orlando
List Creation: 03/06/25 07:26 AM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Login Sample Receipt Checklist

Client: City of Lakeland

Job Number: 660-141283-1

Login Number: 141358
List Number: 3
Creator: Pardonner, Brett

List Source: Eurofins Pensacola
List Creation: 03/06/25 05:38 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.1°C IR10
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Geosyntec consultants

Water Level Measurement Field Form

Site: Lakeland Electric CCR Wells

Project No.: FR3715K/01/****/123B

Date 7/29/25

Weather clear + hot

Initials OH + EM

Page

Well ID	Status/Comments	Control Point	Measurement	
			Time of Measurement	Depth to Water
CCR-1	ok	N	1335	9.41
CCR-2	ok		1048	9.35
CCR-3	OK		1456	6.26
CCR-4	OK		1452	14.42
CCR-5	ok		1444	10.93
CCR-6	~~ok~~ Some damage to bollards		1437	9.68
CCR-7	OK + protective casing		1435	10.03
CCR-8	OK	(See Photo)	1429	10.14
CCR-9	OK		1425	9.57
CCR-10R	buried		1411	1.98
CCR-11	ok		1359	5.42
CCR-12	ok		1355	5.32
CCR-13	OK		1353	5.76
CCR-14	ok		1342	6.22
CCR-15	OK		1037	16.75
CCR-16	OK		1030	15.38
CCR-17	OK		1026	14.49
CCR-18	OK		1434	8.89
CCR-19	ok		1415	5.40
CCR-20	ok		1406	5.05
CCR-21	OK		1356	5.76
CCR-22	OK		1346	5.76
CCR-23	OK		1338 1343	3.23
SW-106	ok		0932	12.03

Notes

Geosyntec consultants

Water Level Measurement Field Form

Site: Lakeland Electric CoC Wells

Project No.: FR3715F/01/****/123B

Date 7/29/25

Weather Clear + Sunny

Initials OH + RM

Page

Well ID	Status/Comments	Control Point	Measurement	
			Time of Measurement	Depth to Water
2S	ok	N	1422	5.42
2D	ok		1420	21.75
10S	ok		1044	6.78
10I	ok		1045	7.19
10D	ok		1046	25.33
17S	ok		1142	4.36
17D	ok		1143	23.40
18S (R)	ok		1136	3.23
18I	ok		1137	9.68
21S	ok		1317	5.54
21D	ok		1318	21.97
22S	ok		1310	4.35
22I	ok		1312	4.58
23S	ok		1304	5.93
23I	ok		1305	6.12
24S	ok		1022	11.38
25S	ok		1033	14.78
26S	ok		1040	12.79
W 14	ok - W25P not at ↓		~~1059~~ 1127	6.36
Fish Lake	ok	NAVD88	1255	131.70
Lake B	veg. covering		1013	130.84
Lake C	veg. covering		0953	130.56
Lake D	out of water	[redacted]	0920	Dry (see photo)

Lakes ↓

Lakes ↓

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Lakeland Electric MPP CCR	SITE LOCATION: Lakeland, FL	
WELL NO: CCR-1	SAMPLE ID: CCR-1-20250804	DATE: 8/4/25

PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 3/16	WELL SCREEN INTERVAL DEPTH: 18.7 feet to 28.7 feetBTOC	STATIC DEPTH TO WATER (feet) BTOC: 9.41	PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (@ feet – feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= 0 gallons + (0.0014 gallons/foot X 25 feet) + 0.1 (x3) gallons = .405 gallons

INITIAL PUMP OR TUBING DEPTH (feet) BTOC: ~23.7	FINAL PUMP OR TUBING DEPTH (feet) BTOC: ~23.7	PURGING INITIATED AT: 1031	PURGING ENDED AT: 1046	TOTAL VOLUME PURGED (gallons):

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or (µS/cm)	DISSOLVED OXYGEN (circle units) (mg/L) or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ORP (mV)
1040	0.45	0.45	0.05	9.52	4.81	28.12	196	0.68	2.83	clear	82.4
1042	0.1	0.55	0.05	9.52	4.89	28.09	194	0.41	3.79	"	59.4
1044	0.1	0.65	0.05	9.52	4.92	28.15	195	0.32	2.92	"	52.2
1046	0.1	0.75	0.05	9.52	4.98	28.14	197	0.31	1.87	"	43.3
					@						

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016

PURGING EQUIPMENT CODES: **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **O** = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Olivia Hollingsworth/Geosyntec	SAMPLER(S) SIGNATURE(S): Olivia Hollingsworth	SAMPLING INITIATED AT: 1046	SAMPLING ENDED AT: 1054
PUMP OR TUBING DEPTH (feet) BTOC: ~23.7	TUBING MATERIAL CODE: HDPE, S	FIELD-FILTERED: Y (N) Filtration Equipment Type: N/A	FILTER SIZE: --- µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y N (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
CCR-1-20250804	1	HDPE	250ml	HNO_3	—	<2	6010D, 6020B, 4500-NH3-H, SM4500-Cl-E, 375.4	APP	400
"	1	"	125ml	Ice	—	NA		"	"
"	1	"	250ml	"	—	NA	2540C-TDS	"	"
"	1	"	125ml	"	—	NA	4500-F-C	"	"

REMARKS: *Sampled at 1046

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **PE** = Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

NOTES: 1. **The above do not constitute all of the information required by Chapter 62-160, F.A.C.**
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 200

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Lakeland Electric MPP CCR	SITE LOCATION: Lakeland, FL	
WELL NO: CCR-2	SAMPLE ID: CCR-2-20250801	DATE: 8/11/25

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/16	WELL SCREEN INTERVAL DEPTH: 15.7 feet to 25.7 feetBTOC	STATIC DEPTH TO WATER (feet) BTOC: 9.35	PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable)

= (feet – feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable)

= 0 gallons + (0.0014 gallons/foot X ~23 feet) + 0.1 gallons = .397 gallons

INITIAL PUMP OR TUBING DEPTH (feet) BTOC: ~20.7	FINAL PUMP OR TUBING DEPTH (feet) BTOC: ~20.7	PURGING INITIATED AT: 1112	PURGING ENDED AT: 1126	TOTAL VOLUME PURGED (gallons): 0.7

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or (µS/cm)	DISSOLVED OXYGEN (circle units) (mg/L) or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ORP (mV)
1120	0.4	0.4	0.05	9.45	5.13	29.04	496	0.49	4.64	Clear	28.1
1122	0.1	0.5	0.05	9.45	5.08	28.90	529	0.28	1.80	"	21.8
1124	0.1	0.6	0.05	9.45	5.06	28.87	544	0.30	1.43	"	17.6
1126	0.1	0.7	0.05	9.45	5.05	28.81	552	0.28	2.65	"	15.7

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016

PURGING EQUIPMENT CODES: **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **O** = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: /Geosyntec	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1126	SAMPLING ENDED AT: 1131
PUMP OR TUBING DEPTH (feet) BTOC: ~20.7	TUBING MATERIAL CODE: HDPE, S	FIELD-FILTERED: Y (N) Filtration Equipment Type: N/A	FILTER SIZE: ---' µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N (replaced))	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
CCR-2-20250801	1	HDPE	250ml	HNO_3	—	<2	6010D, 6020B, 7470A	APP	<400
"	1	"	125	Ice	—	N/A	SM4500-Cl-E, 375.4	"	"
"	1	"	250ml	Ice	—	N/A	2340C-TDS	"	"
"	"	"	125ml	Ice	—	N/A	4500 F-C	"	"

REMARKS: * Sampled at 1126

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **PE** = Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

NOTES: 1. **The above do not constitute all of the information required by Chapter 62-160, F.A.C.**
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Lakeland Electric MPP CCR	SITE LOCATION: Lakeland, FL	
WELL NO: CCR-4	SAMPLE ID: CCR-4-20250804	DATE: 8/4/25

PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 3/16"	WELL SCREEN INTERVAL DEPTH: 18 feet to 28 feetBTOC	STATIC DEPTH TO WATER (feet) BTOC: 14.42	PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (28 feet – 14.42 feet) X 0.02 gallons/foot = 0.27 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= 0 gallons + (0.0014 gallons/foot X 26 feet) + 0.1 gallons = 0.136 gallons

INITIAL PUMP OR TUBING DEPTH (feet) BTOC: ~23.5	FINAL PUMP OR TUBING DEPTH (feet) BTOC: ~23.5	PURGING INITIATED AT: 1117	PURGING ENDED AT: 1148	TOTAL VOLUME PURGED (gallons): 1.55

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or (µS/cm)	DISSOLVED OXYGEN (circle units) (mg/L) or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ORP (mV)
1126	0.45	0.45	0.05	14.61	3.94	29.70	9786	0.03	2.01	Clear	92.7
1128	0.1	0.55	0.05	14.61	3.95	29.53	9869	0.40	1.35	"	92.0
1130	0.1	0.65	0.05	14.61	3.96	29.37	9911	0.30	1.58	"	85.9
1132	0.1	0.75	0.05	14.61	3.96	29.18	9917	0.28	1.67	"	78.5
1142	0.5	1.25	0.05	14.61	3.97	28.69	9877	0.17	0.99	"	63.0
1144	0.1	1.35	0.05	14.61	3.97	28.93	9854	0.15	1.24	"	68.8
1146	0.1	1.45	0.05	14.61	3.97	28.92	9836	0.13	1.18	"	63.8
1148	0.1	1.55	0.05	14.61	3.97	28.80	9849	0.17	1.41	"	58.1

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016

PURGING EQUIPMENT CODES: **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **O** = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Olivia Hollingsworth /Geosyntec	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1148	SAMPLING ENDED AT: 1156
PUMP OR TUBING DEPTH (feet) BTOC: ~23.5	TUBING MATERIAL CODE: HDPE, S	FIELD-FILTERED: Y (N) Filtration Equipment Type: N/A	FILTER SIZE: ---- µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N (replaced))	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
CCR-4-20250804	1	HDPE	250 ml	HNO_3	—	<2	6010D, 6020B, 7470A	APP	400
"	1	"	125 ml	HCl	—	NA	SM4500-Cl-E, 375.4	"	"
"	1	"	250ml	"	—	NA	2540C-TDS	"	"
"	1	"	125ml	"	—	NA	4500-F-C	"	"

REMARKS: * sampled at 1148

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **PE** = Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

NOTES: 1. **The above do not constitute all of the information required by Chapter 62-160, F.A.C.**
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Lakeland Electric MPP CCR	SITE LOCATION: Lakeland, FL	
WELL NO: CCR-5	SAMPLE ID: CCR-5-20250805	DATE: 8/5/25

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/16	WELL SCREEN INTERVAL DEPTH: 18.7 feet to 28.7 feetBTOC	STATIC DEPTH TO WATER (feet) BTOC: 10.93	PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH − STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable)

= (feet @ feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable)

= 0 gallons + (0.00M gallons/foot X 25 feet) + 0.1 (x3) gallons = .405 gallons

INITIAL PUMP OR TUBING DEPTH (feet) BTOC: ~23.7	FINAL PUMP OR TUBING DEPTH (feet) BTOC: ~23.7	PURGING INITIATED AT: 0926	PURGING ENDED AT: 1109	TOTAL VOLUME PURGED (gallons): 5.15

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or (µS/cm)	DISSOLVED OXYGEN (circle units) (mg/L) or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ORP (mV)
0935	0.45	0.45	0.05	11.26	5.70	26.91	16,157	0.79	5.62	clear	0.3
0945	0.5	0.95	0.05	11.26	5.68	26.87	16,120	0.28	6.23	"	-3.9
1005	1.0	1.95	0.05	11.26	5.51	26.95	16,237	0.16	7.10	"	-20.2
1025	1.0	2.95	0.05	11.26	5.49	27.14	16238	0.11	8.12	"	-23.3
1045	1.0	3.95	0.05	11.26	5.50	27.49	16224	0.06	5.35	"	-5.1
1105	1.0	4.95	0.05	11.26	5.49	27.82	16215	0.10	2.78	"	4.2
1107	0.1	5.05	0.05	11.26	5.47	27.95	16236	0.10	4.77	"	-15.0
1109	0.1	5.15	0.05	11.26	5.47	28.00	16246	0.11	3.26	"	-16.8
				@							

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Olivia Hollingsworth/Geosyntec	SAMPLER(S) SIGNATURE(S): Olivia C Hollingsworth	SAMPLING INITIATED AT: 1109	SAMPLING ENDED AT: 1118
PUMP OR TUBING DEPTH (feet) BTOC: ~23.7	TUBING MATERIAL CODE: HDPE, S	FIELD-FILTERED: Y (N) Filtration Equipment Type: N/A	FILTER SIZE: --- µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N (replaced))	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
CCR-5-20250805	1	HDPE	250ml	Ice	—	NA	2320B-Alk, Bicarb	APP	400
	1		125ml	Ice	—	NA	SM4500-Cl-E, 375.4		
	1		250ml	Ice	—	NA	2540C-TDS		
	1		250ml	HNO_3	—	<2	6010D, 6020B, 7470A		
	1		125ml	Ice	—	NA	4500-F-C		

REMARKS: *sampled at 1109

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. **The above do not constitute all of the information required by Chapter 62-160, F.A.C.**
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Lakeland Electric MPP CCR	SITE LOCATION: Lakeland, FL	
WELL NO: CCR-6	SAMPLE ID: CCR-6-20250805	DATE: 8/5/25

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/16	WELL SCREEN INTERVAL DEPTH: 18.6 feet to 28.6 feetBTOC	STATIC DEPTH TO WATER (feet) BTOC: 9.68	PURGE PUMP TYPE OR BAILER:

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
~~(only fill out if applicable)~~
= (feet – feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= 0 gallons + (0.0014 gallons/foot X 25 feet) + 0.1 gallons (x3) = .405 gallons

INITIAL PUMP OR TUBING DEPTH (feet) BTOC: ~23.6	FINAL PUMP OR TUBING DEPTH (feet) BTOC: ~23.6	PURGING INITIATED AT: 1359	PURGING ENDED AT: 1414	TOTAL VOLUME PURGED (gallons): 0.75

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or (µS/cm)	DISSOLVED OXYGEN (circle units) (mg/L) or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ORP (mV)
1408	0.45	0.45	0.05	10.07	6.34	30.65	1031	0.48	2.77	clear	-73.9
1410	0.1	0.55	0.05	10.07	6.34	30.81	1021	0.30	1.26	"	-79.4
1412	0.1	0.65	0.05	10.07	6.36	30.81	1031	0.19	2.49	"	-85.3
1414	0.1	0.75	0.05	10.07	6.37	30.63	1014	0.14	1.95	"	-92.3

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016

PURGING EQUIPMENT CODES: **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **O** = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Olivia Hollingsworth/Geosyntec	SAMPLER(S) SIGNATURE(S): Olivia Hollingsworth	SAMPLING INITIATED AT: 1414	SAMPLING ENDED AT: 1425
PUMP OR TUBING DEPTH (feet) BTOC: ~23.6	TUBING MATERIAL CODE: HDPE, S	FIELD-FILTERED: Y (N) Filtration Equipment Type: N/A	FILTER SIZE: --- µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
CCR-6-20250805	1	HDPE	250ml	Ice	—	NA	2320 B - Alk, Bi, Carb	APP	400
	1		125ml	Ice	—	NA	SM4500-Cl-E, 375.4		
	1		250ml	Ice	—	NA	2540C - TDS		
	1		250ml	HNO_3	—	<2	6010D, 6020B, 7470A		
	1		125ml	Ice	—	NA	4500-F-C		

REMARKS:
* sampled at 1414

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **PE** = Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

NOTES: 1. **The above do not constitute all of the information required by Chapter 62-160, F.A.C.**
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Lakeland Electric MPP CCR	SITE LOCATION: Lakeland, FL	
WELL NO: CCR-7	SAMPLE ID: CCR-7-20250806	DATE: 8.6.2025

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/16	WELL SCREEN INTERVAL DEPTH 18.7 feet to 28.8 feet BTOC	STATIC DEPTH TO WATER (feet) BTOC: 10.39	PURGE PUMP TYPE OR BAILER: P.P.

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (feet – feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (.0014 gallons/foot X 35 feet) + .1 gallons = .149 gallons

INITIAL PUMP OR TUBING DEPTH (feet) BTOC: ~24	FINAL PUMP OR TUBING DEPTH (feet) BTOC: ~24	PURGING INITIATED AT: 1313	PURGING ENDED AT: 1322	TOTAL VOLUME PURGED (gallons): .90

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or (µS/cm)	DISSOLVED OXYGEN (circle units) (mg/L) or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ORP (mV)
1318	.50	.50	.1	10.44	5.66	28.19	385	1.15	2.35	clear	-121.1
1320	.20	.70	.1	10.44	5.66	28.20	383	1.09	3.11	"	-121.0
1322	.20	.90	.1	10.44	5.66	28.22	381	0.96	3.63	"	-121.5

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016

PURGING EQUIPMENT CODES: **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **O** = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: RIK MATHIAS /Geosyntec	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1323	SAMPLING ENDED AT: 1327
PUMP OR TUBING DEPTH (feet) BTOC: ~24	TUBING MATERIAL CODE: HDPE, S	FIELD-FILTERED: Y (N) Filtration Equipment Type: N/A	FILTER SIZE: ___ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N (replaced))	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
CCR-7-20250806	1	PE	250ml	NONE	—	—	2320 B	APP	~380
|	1	PE	250ml	HNO3	—	—	6010D, 6020B, 7470A	|	|
|	1	PE	250 ml	NONE	—	—	TDS	|	|
|	2	PE	125 ml	NONE	—	—	SM 4500	|	|

REMARKS:
Sample Time: 1323

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **PE** = Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

NOTES: 1. **The above do not constitute all of the information required by Chapter 62-160, F.A.C.**
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Lakeland Electric MPP CCR	SITE LOCATION: Lakeland, FL	
WELL NO: CCR-8	SAMPLE ID: CCR-8-20250805	DATE: 8/5/25

PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 3/16"	WELL SCREEN INTERVAL DEPTH: 18.7 feet to 28.7 feetBTOC	STATIC DEPTH TO WATER (feet) BTOC: 10.14	PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable)

= (feet – feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable)

= 0 gallons + (0.0014 gallons/foot X 30 feet) + .1 gallons (x3) = .426 gallons

INITIAL PUMP OR TUBING DEPTH (feet) BTOC: ~23.7	FINAL PUMP OR TUBING DEPTH (feet) BTOC: ~23.7	PURGING INITIATED AT: 1444	PURGING ENDED AT: 1457	TOTAL VOLUME PURGED (gallons): 0.65

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or (µS/cm)	DISSOLVED OXYGEN (circle units) (mg/L) or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ORP (mV)
1453	0.45	0.45	0.05	10.35	6.71	29.81	484	0.41	3.97	Clear	-66.1
1455	0.1	0.55	0.05	10.35	6.72	29.89	484	0.43	1.68	"	-60.4
1457	0.1	0.65	0.05	10.35	6.73	29.92	484	043	1.36	"	-58.6

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88

TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016

PURGING EQUIPMENT CODES: **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **O** = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Olivia Hollingsworth/Geosyntec	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1457	SAMPLING ENDED AT: 1505
PUMP OR TUBING DEPTH (feet) BTOC: ~23.7	TUBING MATERIAL CODE: HDPE, S	FIELD-FILTERED: Y (N) Filtration Equipment Type: N/A	FILTER SIZE: ___ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
CCR-8-20250805	1	HDPE	125ml	Ice	—	NA	4500-F-C	APP	400
	1		"	"	—	"	SM4500-Cl-E, 375.4	"	"
	1		250ml	"	—	"	2540C-TDS	"	"
	1		"	HNO_3	—	<2	6010D, 6020B, 7470A	"	"

REMARKS: *Sampled at 1457

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **PE** = Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

NOTES: 1. **The above do not constitute all of the information required by Chapter 62-160, F.A.C.**

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Lakeland Electric MPP CCR	SITE LOCATION: Lakeland, FL	
WELL NO: CCR-9	SAMPLE ID: CCR-9-20250805	DATE: 8.5.2025

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/16	WELL SCREEN INTERVAL DEPTH: 18 feet to 28 feet BTOC	STATIC DEPTH TO WATER (feet) BTOC: 10.23	PURGE PUMP TYPE OR BAILER: P.P.

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (feet – feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (.0014 gallons/foot X 30 feet) + .1 gallons = .14 gallons

INITIAL PUMP OR TUBING DEPTH (feet) BTOC: ~23	FINAL PUMP OR TUBING DEPTH (feet) BTOC: ~23	PURGING INITIATED AT: 0927	PURGING ENDED AT: 1054	TOTAL VOLUME PURGED (gallons): 8.70

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or (µS/cm)	DISSOLVED OXYGEN (circle units) (mg/L) or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ORP (mV)
0932	.50	.50	.1	10.75	5.30	27.75	5596	1.96	13.9	Clear	-239.2
1017	4.50	5.00	.1	10.75	5.22	27.45	5507	0.73	6.75	"	-234.7
1050	3.30	8.30	.1	10.75	5.21	27.50	5485	0.49	3.71	"	-247.9
1052	.20	8.50		10.75	5.21	27.52	5483	0.49	4.33	"	-248.3
1054	.20	8.70		10.75	5.21	27.53	5485	0.48	4.75	"	-248.6

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016

PURGING EQUIPMENT CODES: **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **O** = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Rik Mathias /Geosyntec	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1055	SAMPLING ENDED AT: 1059
PUMP OR TUBING DEPTH (feet) BTOC: ~23 (BTOC)	TUBING MATERIAL CODE: HDPE, S	FIELD-FILTERED: Y (N) Filtration Equipment Type: N/A	FILTER SIZE: ___ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N (replaced))	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
CCR-9-20250805	1	PE	250 ml	NONE	—	—	2320 B	APP	~ 380
|	1	PE	250 ml	HNO_3	—	—	6010D, 6020B, 7470A	|	|
|	1	PE	250 ml	NONE	—	—	TDS	|	|
|	2	PE	125 ml	NONE	—	—	SM 4500	|	|

REMARKS: Sample Time: 1055 * strong odor (sulfur) & water stains purge bucket "black"

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **PE** = Polyethylene; **PP** = Polypropylene; **S** = Silicone; T = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

NOTES: 1. **The above do not constitute all of the information required by Chapter 62-160, F.A.C.**
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Lakeland Electric MPP CCR	SITE LOCATION: Lakeland, FL	
WELL NO: CCR-11	SAMPLE ID: CCR-11-20250806	DATE: 8/6/25

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/16	WELL SCREEN INTERVAL DEPTH: 18 feet to 28.5 feetBTOC	STATIC DEPTH TO WATER (feet) BTOC: 5.78	PURGE PUMP TYPE OR BAILER:

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable)

= (feet – feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable)

= 0 gallons + (.0014 gallons/foot X 30 feet) + 0.1 gallons (x3) .426 = gallons

INITIAL PUMP OR TUBING DEPTH (feet) BTOC: ~23.5	FINAL PUMP OR TUBING DEPTH (feet) BTOC: ~23.5	PURGING INITIATED AT: 0947	PURGING ENDED AT: 1400	TOTAL VOLUME PURGED (gallons): 13.65

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or (µS/cm)	DISSOLVED OXYGEN (circle units) (mg/L) or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ORP (mV)
0956	0.45	0.45	0.05	5.82	4.47	27.85	4906	3.25	35.9	Clear	-163.4
1026	1.5	1.95	0.05	5.82	4.46	28.04	4876	0.09	31.5	"	-190.9
1056	1.5	3.45	0.05	5.82	4.45	28.52	4861	0.07	26.9	"	-209.0
1126	1.5	4.95	0.05	5.82	4.40	29.00	4879	0.10	28.4	"	-219.5
1156	1.5	6.45	0.05	5.82	4.28	30.42	4901	0.16	41.2	"	-205.3
1226	1.5	8.95	0.05	5.82	4.14	28.83	4833	0.13	33.6	"	-204.7
1326	3.0	11.95	0.05	5.82	4.29	28.95	4898	0.14	9.34	"	-223.6
1356	1.5	13.45	0.05	5.82	4.31	29.42	4898	0.12	4.86	"	-226.7
1358	0.1	13.55	0.05	5.82	4.31	29.40	4908	0.12	4.89	"	-227.1
1400	0.1	13.65	0.05	5.82	4.30	29.52	4902	0.12	3.95	"	-227.8

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016

PURGING EQUIPMENT CODES: **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **O** = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Olivia Hollingsworth /Geosyntec	SAMPLER(S) SIGNATURE(S): Olivia Hollingsworth	SAMPLING INITIATED AT: 1400	SAMPLING ENDED AT: 1409
PUMP OR TUBING DEPTH (feet) BTOC: ~23.5	TUBING MATERIAL CODE: HDPE, S	FIELD-FILTERED: Y (N) Filtration Equipment Type: N/A	FILTER SIZE: --- µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N (replaced))	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
CCR-11-20250806	HDPE	1	250ml	HNO_3	–	<2	6010D, 6020B, 7470A	APP	<400
			125ml	Ice	–	NA	SM4500-Cl-E, 375.4		
			"	"	–	"	~~4500~~-F-C		
			250ml	"	–	"	2320B-Alk. Bicarb		
			"	"	–	"	2540C-TDS		

REMARKS: *Sampled at 1400

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **PE** = Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

NOTES: 1. **The above do not constitute all of the information required by Chapter 62-160, F.A.C.**
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Lakeland Electric MPP CCR	SITE LOCATION: Lakeland, FL	
WELL NO: CCR-12	SAMPLE ID: CCR-12-20250806	DATE: 8.6.2025

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/16	WELL SCREEN INTERVAL DEPTH: 8.16 feet to 28.16 feetBTOC	STATIC DEPTH TO WATER (feet) BTOC: 5.52	PURGE PUMP TYPE OR BAILER: P.P.

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (feet – feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (.0014 gallons/foot X 35 feet) + .1 gallons = .149 gallons

INITIAL PUMP OR TUBING DEPTH (feet) BTOC: ~23	FINAL PUMP OR TUBING DEPTH (feet) BTOC: ~23	PURGING INITIATED AT: 1120	PURGING ENDED AT: 1129	TOTAL VOLUME PURGED (gallons): .90

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND (circle units) µmhos/cm or (µS/cm)	DISSOLVED OXYGEN (circle units) (mg/L) or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ORP (mV)
1125	.50	.50	.1	6.16	6.79	28.47	2121	0.84	5.68	clear	-189.4
1127	.20	.70	|	6.16	6.80	28.45	2115	0.80	5.23	"	-204.9
1129	.20	.90	|	6.16	6.80	28.45	2116	0.72	4.81	"	-213.7

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016

PURGING EQUIPMENT CODES: **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **O** = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: RIK MATHIAS /Geosyntec	SAMPLER(S) SIGNATURE(S): R.E Mathias	SAMPLING INITIATED AT: 1130	SAMPLING ENDED AT: 1134
PUMP OR TUBING DEPTH (feet) BTOC: ~23	TUBING MATERIAL CODE: HDPE, S	FIELD-FILTERED: Y (N) Filtration Equipment Type: N/A	FILTER SIZE: ---- µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N (replaced))	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION						
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
CCR-12-20250806	1	PE	250 ml	none			2320 B	APP	~380
|	1	PE	250 ml	HNO_3			6010 D, 6020 B, 7470 A	|	|
|	1	PE	250 ml	none			TDS		
|	2	PE	125 ml	none			SM 4500		

REMARKS:
Sample Time: 1130

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **PE** = Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

NOTES: 1. **The above do not constitute all of the information required by Chapter 62-160, F.A.C.**
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Lakeland Electric MPP CCR	SITE LOCATION: Lakeland, FL	
WELL NO: CCR-13	SAMPLE ID: CCR-13-20250805	DATE: 8.5.2025

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/16	WELL SCREEN INTERVAL DEPTH: 18.6 feet to 28.6 feet BTOC	STATIC DEPTH TO WATER (feet) BTOC: 5.91	PURGE PUMP TYPE OR BAILER: P.P.

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (feet – feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (.0014 gallons/foot X 35 feet) + .1 gallons = .149 gallons

INITIAL PUMP OR TUBING DEPTH (feet) BTOC: ~23	FINAL PUMP OR TUBING DEPTH (feet) BTOC: ~23	PURGING INITIATED AT: 1403	PURGING ENDED AT: 1437	TOTAL VOLUME PURGED (gallons): 3.40

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or (µS/cm)	DISSOLVED OXYGEN (circle units) (mg/L) or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ORP (mV)
1408	.50	.50	.1	6.10	6.50	30.07	1783	0.87	18.3	clear	-219.2
1433	2.50	3.00	.1	6.10	6.41	29.82	1809	0.34	1.07	"	-224.3
1435	.20	3.20	"	6.10	6.41	29.83	1809	0.34	1.92	"	-223.0
1437	.20	3.40	"	6.10	6.41	29.84	1809	0.33	1.75	"	-223.2

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016

PURGING EQUIPMENT CODES: **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **O** = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Rik Mathias /Geosyntec	SAMPLER(S) SIGNATURE(S): Rik Mathias	SAMPLING INITIATED AT: 1438	SAMPLING ENDED AT: 1442
PUMP OR TUBING DEPTH (feet) BTOC: ~23	TUBING MATERIAL CODE: HDPE, S	FIELD-FILTERED: Y (N) Filtration Equipment Type: N/A	FILTER SIZE: --- µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
CCR-13-20250805	1	PE	250 ml	NONE			2320 B	APP (RM)	~380
	1	PE	250 ml	HNO_3	—	—	6010 D, 6020 B, 7470 A	APP	
	1	PE	250 ml	NONE	—	—	2540 C TDS		
	2	PE	125 ml	NONE	—	—	SM 4500		

REMARKS: Sample Time: 1438

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **PE** = Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

NOTES: 1. **The above do not constitute all of the information required by Chapter 62-160, F.A.C.**
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Lakeland Electric MPP CCR	SITE LOCATION: Lakeland, FL	
WELL NO: CCR-15	SAMPLE ID: CCR-FS-20250801	DATE: 8/11/25

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/16	WELL SCREEN INTERVAL DEPTH: 18.5 feet to 28.5 feetBTOC	STATIC DEPTH TO WATER (feet) BTOC: 16.75	PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (feet – feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= 0 gallons + (0.0014 gallons/foot X 25 feet) + 0.1 gallons (x3) = .405 gallons

INITIAL PUMP OR TUBING DEPTH (feet) BTOC: 28.5	FINAL PUMP OR TUBING DEPTH (feet) BTOC: ~23.5	PURGING INITIATED AT: 1144	PURGING ENDED AT: 1157	TOTAL VOLUME PURGED (gallons): 0.65

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or (µS/cm)	DISSOLVED OXYGEN (circle units) (mg/L) or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ORP (mV)
1153	0.45	0.45	0.05	16.90	4.41	29.50	82	0.41	2.29	Clear	85.4
1155	0.1	0.55	0.05	16.90	4.35	29.49	82	0.31	2.45	"	81.4
1157	0.1	0.65	0.05	16.90	4.29	29.40	82	0.27	2.46	"	81.3

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016

PURGING EQUIPMENT CODES: **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **O** = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Olivia Hollingsworth /Geosyntec	SAMPLER(S) SIGNATURE(S): Olivia Hollingsworth	SAMPLING INITIATED AT: 1157	SAMPLING ENDED AT: 1205
PUMP OR TUBING DEPTH (feet) BTOC: ~23.5	TUBING MATERIAL CODE: HDPE, S	FIELD-FILTERED: Y (N) Filtration Equipment Type: N/A	FILTER SIZE: ___ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y N (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
CCR-15-20250801	1	HDPE	250ml	HNO_3	—	<2	6010D, 6020B, 7470A	APP	400
	1		125ml	Ice	—	NA	SM4500-Cl-E, 375.4		
	1		250ml	"	—	"	2540C-TDS		
	1		125ml	"	—	"	4500_F_C		
	1		250ml	"	—	"	2320B-AK, Ricardo		

REMARKS: *sampled at 1157

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **PE** = Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

NOTES: 1. **The above do not constitute all of the information required by Chapter 62-160, F.A.C.**
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Lakeland Electric MPP CCR	SITE LOCATION: Lakeland, FL	
WELL NO: CCR-16	SAMPLE ID: CCR-16-20250801	DATE: 8.1.2025

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/16	WELL SCREEN INTERVAL DEPTH: 18.5 feet to 28.5 feet BTOC	STATIC DEPTH TO WATER (feet) BTOC: 15.45	PURGE PUMP TYPE OR BAILER: P.P.

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (feet – feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (.0014 gallons/foot X 35 feet) + 1 gallons = .15 gallons

INITIAL PUMP OR TUBING DEPTH (feet) BTOC: ~23	FINAL PUMP OR TUBING DEPTH (feet) BTOC: ~23	PURGING INITIATED AT: 1117	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):

TIME	VOLUME PURGED (gallons)	CUMUL VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP (°C)	COND (circle units) µmhos/cm or (µS/cm)	DISSOLVED OXYGEN (circle units) (mg/L) or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ORP (mV)
1122	.50	.50	.1	15.52	4.08	27.85	9311	0.62	2.05	clear	419.9
1124	.20	.70	1	15.52	4.05	27.81	9305	0.60	2.09	"	435.4
1126	.20	.90	1	15.52	4.00	27.75	9306	0.56	2.14	"	432.0

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016

PURGING EQUIPMENT CODES: **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **O** = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: RIK MATHIAS /Geosyntec	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1127	SAMPLING ENDED AT: 1133
PUMP OR TUBING DEPTH (feet) BTOC: ~23 (BTOC)	TUBING MATERIAL CODE: HDPE, S	FIELD-FILTERED: Y (N) Filtration Equipment Type: N/A	FILTER SIZE: ---- µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N (replaced))	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
CCR-16-20250801	1	PE	250 ml	none			2320 B	APP	~380
|	1		500 ml	HNO3			6010 B, 6020 B, 7470 A	|	|
|	2		125 ml				SM4500		
|	1		250 ml				2540C TDS		

REMARKS: Sample Time: 1127

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **PE** = Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

NOTES: 1. **The above do not constitute all of the information required by Chapter 62-160, F.A.C.**
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Lakeland Electric MPP CCR	SITE LOCATION: Lakeland, FL	
WELL NO: CCR-17	SAMPLE ID: CCR-17-20250804	DATE: 8.4.2025

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/16	WELL SCREEN INTERVAL DEPTH: 18.48 feet to 28.48 feet BTOC	STATIC DEPTH TO WATER (feet) BTOC: 14.69	PURGE PUMP TYPE OR BAILER: P.P.

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (feet – feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (.0014 gallons/foot X 30 feet) + .1 gallons = .14 gallons

INITIAL PUMP OR TUBING DEPTH (feet) BTOC: ~23	FINAL PUMP OR TUBING DEPTH (feet) BTOC: ~23	PURGING INITIATED AT: 1041	PURGING ENDED AT: 1050	TOTAL VOLUME PURGED (gallons): .90

TIME	VOLUME PURGED (gallons)	CUMUL VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP (°C)	COND (circle units) µmhos/cm or (µS/cm)	DISSOLVED OXYGEN (circle units) (mg/L) or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ORP (mV)
1046	.50	.50	.1	14.72	6.81	28.51	980	1.06	2.74	clear	-37.7
1048	.20	.70	|	14.72	6.80	28.50	979	1.04	2.70	"	-38.2
1050	.20	.90	|	14.72	6.80	28.48	979	1.04	2.68	"	-37.1

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016

PURGING EQUIPMENT CODES: **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **O** = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Rik Mathias /Geosyntec	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1051	SAMPLING ENDED AT: 1055
PUMP OR TUBING DEPTH (feet) BTOC: ~23 (BTOC)	TUBING MATERIAL CODE: HDPE, S	FIELD-FILTERED: Y (N) Filtration Equipment Type: N/A	FILTER SIZE: ___ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
CCR-17-20250804	1	PE	250 ml	None	—	—	2320B	APP	~380
|	1	PE	250 ml	HNO3	—	—	6010D, 6020B, 7470A	|	|
	1	PE	250 ml	None	—	—	TDS		
	2	PE	125 ml	None	—	—	SM4500		

REMARKS: Sample Time: 1051

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **PE** = Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

NOTES: 1. **The above do not constitute all of the information required by Chapter 62-160, F.A.C.**
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Lakeland Electric MPP CCR	SITE LOCATION: Lakeland, FL	
WELL NO: CCR-18	SAMPLE ID: CCR-18-20250804	DATE: 8.4.2025

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/16	WELL SCREEN INTERVAL DEPTH: 18.5 feet to 28.5 feet BTOC	STATIC DEPTH TO WATER (feet) BTOC: 9.11	PURGE PUMP TYPE OR BAILER: P.P.

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (feet – feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (.00147 gallons/foot X 35 feet) + .1 gallons = .149 gallons

INITIAL PUMP OR TUBING DEPTH (feet) BTOC: ~23	FINAL PUMP OR TUBING DEPTH (feet) BTOC: ~23	PURGING INITIATED AT: 1126	PURGING ENDED AT: 1135	TOTAL VOLUME PURGED (gallons): .90

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or (µS/cm)	DISSOLVED OXYGEN (circle units) (mg/L) or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ORP (mV)
1131	.50	.50	.1	9.15	6.68	28.42	1666	1.96	0.91	clear	-203.8
1133	.20	.70	|	9.15	6.68	28.40	1665	1.99	1.71	"	-204.7
1135	.20	.90	|	9.15	6.68	28.38	1664	2.01	2.43	"	-205.3

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016

PURGING EQUIPMENT CODES: **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **O** = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: RIK MATHIAS /Geosyntec	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1136	SAMPLING ENDED AT: 1141
PUMP OR TUBING DEPTH (feet) BTOC: ~23	TUBING MATERIAL CODE: HDPE, S	FIELD-FILTERED: Y (N) Filtration Equipment Type: N/A	FILTER SIZE: --- µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N (replaced))	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
CCR-18-20250804	1	PE	250ml	NONE	—	—	2320 B	APP	~380
|	1	PE	250ml	HNO_3	—	—	6010D, 2020B, 7470A	|	|
|	1	PE	250 ml	NONE	—	—	TDS	|	|
|	2	PE	125 ml	NONE	—	—	SM 4500	|	|

REMARKS:
SAMPLE TIME: 1136

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **PE** = Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

NOTES: 1. **The above do not constitute all of the information required by Chapter 62-160, F.A.C.**
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Lakeland Electric MPP CCR	SITE LOCATION: Lakeland, FL	
WELL NO: CCR-19	SAMPLE ID: CCR-19-20250804	DATE: 8.4.2025

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/16	WELL SCREEN INTERVAL DEPTH: 18.5 feet to 28.5 feet BTOC	STATIC DEPTH TO WATER (feet) BTOC: 5.50	PURGE PUMP TYPE OR BAILER: P.P.

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (feet – feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (.0014 gallons/foot X 35 feet) + .1 gallons = .149 gallons

INITIAL PUMP OR TUBING DEPTH (feet) BTOC: ~23	FINAL PUMP OR TUBING DEPTH (feet) BTOC: ~23	PURGING INITIATED AT: 1530	PURGING ENDED AT: 1614	TOTAL VOLUME PURGED (gallons): 4.40

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or (µS/cm)	DISSOLVED OXYGEN (circle units) (mg/L) or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ORP (mV)
1535	.50	.50	.1	5.53	4.87	28.25	5851	3.70	16.8	clear	-209.3
1550	1.50	2.00	.1	5.53	4.81	27.04	5707	0.78	9.43	"	-217.0
1610	2.00	4.00	.1	5.53	4.80	26.65	5227	0.62	4.63	"	-223.7
1612	.20	4.20	1	5.53	4.78	26.62	5218	0.61	4.21	"	-202.0
1614	.20	4.40	1	5.53	4.79	26.61	5212	0.60	3.93	"	-202.8

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016

PURGING EQUIPMENT CODES: **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **O** = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: RIK MATHIAS /Geosyntec	SAMPLER(S) SIGNATURE(S): Rik Mathias	SAMPLING INITIATED AT: 1615	SAMPLING ENDED AT: 1619
PUMP OR TUBING DEPTH (feet) BTOC: ~23 (BTOC)	TUBING MATERIAL CODE: HDPE, S	FIELD-FILTERED: Y (N) Filtration Equipment Type: N/A	FILTER SIZE: ___ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N (replaced))	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
CCR-19-20250804	1	PE	250 ml	NONE	—	—	2320 B	APP	~380
|	1	PE	250 ml	HNO_3	—	—	6010D, 6020B, 7470A	|	|
	1	PE	250 ml	NONE	—	—	2540C TDS		
	2	PE	125 ml	NONE	—	—	SM4500		

REMARKS: SAMPLE TIME: 1615 * WATER STAINED SIDES OF PURGE BUCKET "BLACK", VERY STRONG ODOR

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **PE** = Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

NOTES: 1. **The above do not constitute all of the information required by Chapter 62-160, F.A.C.**
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Lakeland Electric MPP CCR	SITE LOCATION: Lakeland, FL	
WELL NO: CCR-20	SAMPLE ID: CCR-20-20250806	DATE: 8-6-2025

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/16	WELL SCREEN INTERVAL DEPTH: 8.2 feet to 23 feetBTOC	STATIC DEPTH TO WATER (feet) BTOC: 5.27	PURGE PUMP TYPE OR BAILER: P.P.

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (feet – feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (.0014 gallons/foot X 35 feet) + .1 gallons = .149 gallons

INITIAL PUMP OR TUBING DEPTH (feet) BTOC: ~23	FINAL PUMP OR TUBING DEPTH (feet) BTOC: ~23	PURGING INITIATED AT: 0852	PURGING ENDED AT: 0921	TOTAL VOLUME PURGED (gallons): 2.90

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP (°C)	COND. (circle units) µmhos/cm or (µS/cm)	DISSOLVED OXYGEN (circle units) (mg/L) or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ORP (mV)
0857	.50	.50	.1	5.36	5.27	25.92	3870	4.85	12.2	clear	-231.0
0902	.50	1.00	.1	5.36	5.27	25.69	3350	2.15	12.7	"	-237.0
0917	1.50	2.50	.1	5.36	5.22	25.64	3408	0.76	3.93	"	-237.3
0919	.20	2.70	1	5.36	5.22	25.65	3411	0.76	3.51	"	-237.0
0921	.20	2.90	1	5.36	5.21	25.65	3413	0.77	3.29	"	-236.8

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016

PURGING EQUIPMENT CODES: **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **O** = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: RIK MATHIAS /Geosyntec	SAMPLER(S) SIGNATURE(S): Rik Mathias	SAMPLING INITIATED AT: 0922	SAMPLING ENDED AT: 0926
PUMP OR TUBING DEPTH (feet) BTOC: ~23	TUBING MATERIAL CODE: HDPE, S	FIELD-FILTERED: Y (N) Filtration Equipment Type: N/A	FILTER SIZE: ___ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N (replaced))	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
CCR-20-20250806	1	PE	250 ml	NONE	—	—	2320 B	APP	~380
	1	PE	250ml	HNO_3	—	—	6010D, 6020B, 7470A		
	1	PE	250 ml	NONE	—	—	TDS		
	2	PE	125 ml	NONE	—	—	SM 4500		

REMARKS:
SAMPLE TIME: 0922 * strong sulfur odor & water staining purge bucket & black

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **PE** = Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

NOTES: 1. **The above do not constitute all of the information required by Chapter 62-160, F.A.C.**
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Lakeland Electric MPP CCR	SITE LOCATION: Lakeland, FL	
WELL NO: CCR-21	SAMPLE ID: CCR-21-20250806	DATE: 8.6.2025

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/16	WELL SCREEN INTERVAL DEPTH: 8.5 feet to 20.5 feetBTOC	STATIC DEPTH TO WATER (feet) BTOC: 5.85	PURGE PUMP TYPE OR BAILER: P.P.

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (feet – feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (.0014 gallons/foot X 35 feet) + .1 gallons = .149 gallons

INITIAL PUMP OR TUBING DEPTH (feet) BTOC: ~23	FINAL PUMP OR TUBING DEPTH (feet) BTOC: ~23	PURGING INITIATED AT: 0954	PURGING ENDED AT: 1045	TOTAL VOLUME PURGED (gallons): 5.10

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or (µS/cm)	DISSOLVED OXYGEN (circle units) (mg/L) or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ORP (mV)
0959	.50	.50	.1	5.94	6.51	25.76	2113	3.48	23.2	clear	-86.5
1019	2.00	2.50	.1	5.94	6.49	25.82	2138	1.40	13.8	"	-80.1
1041	2.20	4.70	.1	5.94	6.48	25.87	2124	1.26	2.58	"	-71.9
1043	.20	4.90	"	5.94	6.48	25.89	2125	1.25	2.73	"	-72.1
1045	.20	5.10	"	5.94	6.48	25.90	2124	1.24	2.69	"	-73.2

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016

PURGING EQUIPMENT CODES: **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **O** = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: RIK MATHIAS /Geosyntec	SAMPLER(S) SIGNATURE(S): Rik Mathias	SAMPLING INITIATED AT: 1046	SAMPLING ENDED AT: 1050
PUMP OR TUBING DEPTH (feet) BTOC: ~23	TUBING MATERIAL CODE: HDPE, S	FIELD-FILTERED: Y (N) Filtration Equipment Type: N/A	FILTER SIZE: ___ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N (replaced))	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
CCR-21-20250806	1	PE	250 ml	NONE	—	—	2320 B	APP	~380
"	1	PE	250 ml	HNO_3	—	—	6010 D, 6020 B, 7470 A	"	"
"	1	PE	250 ml	NONE	—	—	TDS	"	"
"	2	PE	125 ml	NONE	—	—	SM 4500	"	"

REMARKS: SAMPLE TIME: 1046

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **PE** = Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

NOTES: 1. **The above do not constitute all of the information required by Chapter 62-160, F.A.C.**
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Lakeland Electric MPP CCR	SITE LOCATION: Lakeland, FL	
WELL NO: CCR-22	SAMPLE ID: CCR-22-20250806	DATE: 8/6/25

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/16	WELL SCREEN INTERVAL DEPTH 18.6 feet to 28.6 feetBTOC	STATIC DEPTH TO WATER (feet) BTOC: 5.76	PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (feet – feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= 0 gallons + (0.0014 gallons/foot X 30 feet) + 0.1 gallons (x3) .426 = gallons

INITIAL PUMP OR TUBING DEPTH (feet) BTOC: ~23.6	FINAL PUMP OR TUBING DEPTH (feet) BTOC: ~23.6	PURGING INITIATED AT: 0853	PURGING ENDED AT: 0916	TOTAL VOLUME PURGED (gallons): 1.15

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or (µS/cm)	DISSOLVED OXYGEN (circle units) (mg/L) or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ORP (mV)
0902	0.45	0.45	0.05	5.98	4.33	26.23	1861	0.54	1.89	Clear	18.5
0912	0.5	0.95	0.05	5.98	4.30	25.88	2035	0.26	3.17	"	-3.8
0914	0.1	1.05	0.05	5.98	4.31	25.87	2058	0.23	2.52	"	-6.8
0916	0.1	1.15	0.05	5.98	4.33	25.81	2101	0.21	2.25	"	-12.2

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016

PURGING EQUIPMENT CODES: **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **O** = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Olivia Hollingsworth/Geosyntec	SAMPLER(S) SIGNATURE(S): Olivia Hollingsworth	SAMPLING INITIATED AT: 0916	SAMPLING ENDED AT: 0926
PUMP OR TUBING DEPTH (feet) BTOC: ~23.6	TUBING MATERIAL CODE: HDPE, S	FIELD-FILTERED: Y (N) Filtration Equipment Type: N/A	FILTER SIZE: --- µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N (replaced))	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
CCR-22-20250806	1	HDPE	250ml	HNO_3	–	<2	6010D, 6020B, & 7470A	APP	<400
			125ml	Ice	–	NA	SM4500-Cl E, 375.4		
			"	"	–	"	45 9000_F_C		
			250ml	"	–	"	2320B – Alk, Bicarb		
			"	"	–	"	2540C – TDS		

REMARKS: *Sampled at 0916

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **PE** = Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

NOTES: 1. **The above do not constitute all of the information required by Chapter 62-160, F.A.C.**
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Lakeland Electric MPP CCR	SITE LOCATION: Lakeland, FL	
WELL NO: CCR-23	SAMPLE ID: CCR-23-20250805	DATE: 8-5-2025

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/16	WELL SCREEN INTERVAL DEPTH: 15 feet to 25 feet BTOC	STATIC DEPTH TO WATER (feet) BTOC: 3.36	PURGE PUMP TYPE OR BAILER: P.P.

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (feet – feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
(BTOC) = gallons + (.0014 gallons/foot X 30 feet) + .1 gallons = .142 gallons

INITIAL PUMP OR TUBING DEPTH (feet) BTOC: ~20	FINAL PUMP OR TUBING DEPTH (feet) BTOC: ~20	PURGING INITIATED AT: 1503	PURGING ENDED AT: 1512	TOTAL VOLUME PURGED (gallons): .90

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP (°C)	COND (circle units) µmhos/cm or (µS/cm)	DISSOLVED OXYGEN (circle units) (mg/L) or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ORP (mV)
1508	.50	.50	.1	3.66	5.29	28.69	1977	0.68	3.49	clear	-191.5
1510	.20	.70	|	3.66	5.29	28.67	1975	0.69	3.11	"	-192.0
1512	.20	.90	|	3.66	5.29	28.64	1971	0.67	2.97	"	-192.4

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016

PURGING EQUIPMENT CODES: **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **O** = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Rik Mathias /Geosyntec	SAMPLER(S) SIGNATURE(S): Rik Mathias	SAMPLING INITIATED AT: 1513	SAMPLING ENDED AT: 1518
PUMP OR TUBING DEPTH (feet) BTOC: ~20 (BTOC)	TUBING MATERIAL CODE: HDPE, S	FIELD-FILTERED: Y (N) Filtration Equipment Type: N/A	FILTER SIZE: --- µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N (replaced))	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
CCR-23-20250805	2	PE	125 ml	NONE	—	—	SM 4500	APP	~380
|	1	PE	HNO_3 → 250 ml	—	—	—	6010D, 6020B, 7470A	|	|
|	1	PE	250 ml	NONE	—	—	TDS	|	|
|	1	PE	250 ml	NONE	—	—	2320B	|	|

REMARKS: Sample Time: 1513

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **PE** = Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

NOTES: 1. **The above do not constitute all of the information required by Chapter 62-160, F.A.C.**
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Lakeland Electric MPP CCR	SITE LOCATION: Lakeland, FL	
WELL NO: SW-106	SAMPLE ID: SW-106-20250804	DATE: 8.4.2025

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/16	WELL SCREEN INTERVAL DEPTH: 18.4 feet to 28.4 feet BTOC	STATIC DEPTH TO WATER (feet) BTOC: 12.49 (BTOC)	PURGE PUMP TYPE OR BAILER: P.P.

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (feet – feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (.0014 gallons/foot X 35 feet) + .1 gallons = .149 gallons

INITIAL PUMP OR TUBING DEPTH (feet) BTOC: ~23 (BTOC)	FINAL PUMP OR TUBING DEPTH (feet) BTOC: ~23	PURGING INITIATED AT: 1423	PURGING ENDED AT: 1432	TOTAL VOLUME PURGED (gallons): .90

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP (°C)	COND. (circle units) µmhos/cm or (µS/cm)	DISSOLVED OXYGEN (circle units) (mg/L) or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ORP (mV)
1428	.50	.50	.1	12.59	6.25	27.60	128	0.76	5.88	clear	-17.9
1430	.20	.70	|	12.59	6.24	27.58	126	0.73	6.11	"	-18.2
1432	.20	.90	|	12.59	6.24	27.56	126	0.70	6.35	"	-17.7

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016

PURGING EQUIPMENT CODES: **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **O** = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: RIK MATHIAS /Geosyntec	SAMPLER(S) SIGNATURE(S): Rik Mathias	SAMPLING INITIATED AT: 1433	SAMPLING ENDED AT: 1437
PUMP OR TUBING DEPTH (feet) BTOC: ~23 (BTOC)	TUBING MATERIAL CODE: HDPE, S	FIELD-FILTERED: Y (N) Filtration Equipment Type: N/A	FILTER SIZE: ---- µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N (replaced))	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SW-106-20250804	1	PE	250 ml	None	—	~	2320 B	APP	~ 380
|	1	PE	250ml	HNO_3	—	—	6010 D, 6020 B, 7470 A	|	|
|	1	PE	250 ml	None	—	—	TDS	|	|
|	2	PE	125 ml	None	—	—	SM 4500	|	|

REMARKS: Sample Time: 1433

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **PE** = Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

NOTES: 1. **The above do not constitute all of the information required by Chapter 62-160, F.A.C.**
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Lakeland Electric MPP CCR	SITE LOCATION: Lakeland, FL	
WELL NO: LakeD	SAMPLE ID: LakeD - 20250804	DATE: 8/4/25

PURGING DATA

Elev. at Water Surface (NAVD88)

WELL DIAMETER (inches): NA	TUBING DIAMETER (inches): NA	WELL SCREEN INTERVAL DEPTH: 0 feet to 0 feetBTOC	~~STATIC DEPTH TO WATER (feet) BTOC:~~ DRY	PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (NA feet – NA feet) X NA gallons/foot = NA gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
NA = NA gallons + (NA gallons/foot X NA feet) + NA gallons = NA gallons

INITIAL PUMP OR TUBING DEPTH (feet) BTOC: NA	FINAL PUMP OR TUBING DEPTH (feet) BTOC: NA	PURGING INITIATED AT: 0911	PURGING ENDED AT: 0916	TOTAL VOLUME PURGED (gallons): NA

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or (µS/cm)	DISSOLVED OXYGEN (circle units) (mg/L) or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ORP (mV)
0915	—	—	—	DRY	6.83	31.85	747	1.05	5.05	clear	-183.7

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016

PURGING EQUIPMENT CODES: **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **O** = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Olivia Hollingsworth /Geosyntec	SAMPLER(S) SIGNATURE(S): Olivia Hollingsworth	SAMPLING INITIATED AT: 0916	SAMPLING ENDED AT: 0922
PUMP OR TUBING DEPTH (feet) BTOC: N/A	TUBING MATERIAL CODE: HDPE, S	FIELD-FILTERED: Y (N) Filtration Equipment Type: N/A	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N (replaced))	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
LakeD-20250804	1	HDPE	125ml	Ice	—	NA	4500-F-C	APP	<400
↓	1	"	"	"	—	NA	SM4500-Cl-E/375.4	"	"
	1	"	250ml	HNO_3	—	<2	6010D, 6020B, 7470A	"	"
	1	"	"	Ice	—	NA	2320B-Alk, T. Carb	"	"
	1	"	"	"	—	"	2540C-TDS	"	"

REMARKS:
*Staff gauge is DRY, LakeD has water

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **PE** = Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

NOTES: 1. **The above do not constitute all of the information required by Chapter 62-160, F.A.C.**
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Lakeland Electric MPP CCR	SITE LOCATION: Lakeland, FL	
WELL NO: Fish Lake	SAMPLE ID: Fishlake-20250804	DATE: 8/4/25

PURGING DATA

Elev. of water surface

WELL DIAMETER (inches): N/A	TUBING DIAMETER (inches): N/A	WELL SCREEN INTERVAL DEPTH: 0 feet to 0 feetBTOC	~~STATIC DEPTH TO WATER~~ (feet) BTOC: 131.54	PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (NA feet – NA feet) X NA gallons/foot = NA gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
NA = NA gallons + (NA gallons/foot X NA feet) + NA gallons = NA gallons

INITIAL PUMP OR TUBING DEPTH (feet) BTOC: NA	FINAL PUMP OR TUBING DEPTH (feet) BTOC: NA	PURGING INITIATED AT: 1001	PURGING ENDED AT: 1005	TOTAL VOLUME PURGED (gallons): NA

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	Elev. of H2O ~~PURGE RATE~~ (gpm) surface	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or (µS/cm)	DISSOLVED OXYGEN (circle units) (mg/L) or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ORP (mV)
1004	–	–	–	131.54	8.22	32.20	756	6.22	4.31	Clear	62.4

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016

PURGING EQUIPMENT CODES: **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **O** = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Olivia Hollingsworth /Geosyntec	SAMPLER(S) SIGNATURE(S): Olivia A. Hollingsworth	SAMPLING INITIATED AT: 1005	SAMPLING ENDED AT: 1008
PUMP OR TUBING DEPTH (feet) BTOC: N/A	TUBING MATERIAL CODE: HDPE, S	FIELD-FILTERED: Y (N) Filtration Equipment Type: N/A	FILTER SIZE: ___ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N (replaced))	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
Fishlake-20250804	1	HDPE	125ml	Ice	–	NA	4500-F-C	APP	400
	1	"	"	"	–	NA	SM4500-Cl-E, 375.4	"	"
	1	"	250ml	HNO3	–	<2	6010D, 6020B, 7470A	"	"
	1	"	"	Ice	–	NA	2320B-Alk, 9056A	"	"
	1	"	"	"	–	NA	2540C-TDS	"	"

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **PE** = Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

NOTES: 1. **The above do not constitute all of the information required by Chapter 62-160, F.A.C.**
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Lakeland Electric MPP CCR	SITE LOCATION: Lakeland, FL	
WELL NO: EQB-1	SAMPLE ID: EQB-1-20250805	DATE: 8-5-2025

PURGING DATA

WELL DIAMETER (inches): NA	TUBING DIAMETER (inches): 3/16	WELL SCREEN INTERVAL DEPTH: (RW) feet to feet BTOC	STATIC DEPTH TO WATER (feet) BTOC: NA	PURGE PUMP TYPE OR BAILER: P.P.

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable)

= (feet – feet) X gallons/foot = (RW) gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable)

= gallons + gallons/foot X feet) + gallons = (RW) gallons

INITIAL PUMP OR TUBING DEPTH (feet) BTOC: NA	FINAL PUMP OR TUBING DEPTH (feet) BTOC: NA	PURGING INITIATED AT: NA	PURGING ENDED AT: NA	TOTAL VOLUME PURGED (gallons): NA

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP (°C)	COND. (circle units) µmhos/cm or (µS/cm)	DISSOLVED OXYGEN (circle units) (mg/L) or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ORP (mV)
0825	NA	NA	NA	NA	6.84	26.36	.050	6.30	0.28	Clear	113.2

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88

TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016

PURGING EQUIPMENT CODES: **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **O** = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: RIK MATHIAS/Geosyntec	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 0830	SAMPLING ENDED AT:
PUMP OR TUBING DEPTH (feet) BTOC: NA	TUBING MATERIAL CODE: HDPE, S	FIELD-FILTERED: Y (N) Filtration Equipment Type: N/A	FILTER SIZE: ---- µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N (replaced))	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
EQB-1-20250805	1	PE	250 ml	NONE	—	—	2320 B	APP	~380
|	1	PE	250 ml	HNO_3	—	—	6010 D, 6020 B, 7470 A	|	|
	1	PE	250 ml	NONE	—	—	TDS		
	2	PE	125 ml	NONE	—	—	SM 4500		

REMARKS: SAMPLE TIME: 0830

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **PE** = Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

NOTES: 1. **The above do not constitute all of the information required by Chapter 62-160, F.A.C.**

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

Form FD9000-8 CALIBRATION LOG (FDEP SOP FT 1000-FT 1500, FD 1000-FD 4000)

Geosyntec Consultants

Water Quality Instrument Calibration Form

Project/Site: Leeland Electric Project #: FR3715K/01/****/8375 Field Personnel: Olivia Hollingsworth

Water Quality Meter - Model/Serial#: YSI 556 / 14K101578 Turbidimeter - Model/Serial#: HACH 2100Q 25030D009468

Dissolved Oxygen	DEP SOP FT 1500	Date	Time	Temp (°C)	Saturation (mg/L)[1]	Reading (mg/L)	Reading (%)	Pass or Fail
						Acceptance Criteria: +/-0.3 mg/L		
CAL (ICV) CCV		7/30/25	0819	27.06	7.96	7.96	100.0	P F
CAL ICV (CCV)		7/31/25	0755	29.41	7.63	7.65	99.9	P F
CAL ICV CCV								P F
CAL ICV CCV								P F

Specific Conductance	DEP SOP FT 1200	Date	Time	Standard (mS/cm)	Standard Lot #	Standard Exp. Date	Reading (mS/cm)	Pass or Fail
						Acceptance Criteria: +/- 5%		
CAL (ICV) CCV		7/30/25	0826	1.413	56F2235	6/26	1.413	P F
CAL ICV (CCV)		7/31/25	0759	"	"	"	1.415	P F
CAL ICV CCV								P F
CAL ICV CCV								P F
CAL ICV CCV								P F
CAL ICV CCV								P F

pH	DEP SOP FT 1100	Date	Time	Standard (SU)	Standard Lot #	Standard Exp. Date	Reading (SU)	Pass or Fail
						Acceptance Criteria: +/- 0.2 SU		
CAL (ICV) CCV		7/30/25	0830	4.00	56G0559	6/27	4.00	P F
CAL ICV (CCV)		7/31/25	0802	"	"	"	4.04	P F
CAL (ICV) CCV		7/30/25	0833	7.00	56B1366	2/27	7.00	P F
CAL ICV (CCV)		7/31/25	0805	"	"	"	6.97	P F
CAL (ICV) CCV		7/30/25	0836	10.00	56B1197	2/27	10.00	P F
CAL ICV (CCV)		7/31/25	0809	"	"	"	10.00	P F

ORP	SOP N/A	Date	Time	Std. mV @ Temp °C	Standard Lot #	Standard Exp. Date	Reading (mV)	Pass or Fail
						Geosyntec Acceptance Criteria: +/- 5%		
CAL (ICV) CCV		7/30/25	0847	240 @ 25°C	56C152	12/25	240.0	P F
CAL ICV (CCV)		7/31/25	0815	"	"	"	240.0	P F
CAL ICV CCV								P F
CAL ICV CCV								P F

Specific Conductance Probe Cleaned? Yes (No) Dissolved Oxygen Membrane Changed? Yes (No)

0.1 - 10 NTU Std 1 NTU	Date	Reading (NTU)	Pass or Fail
		Acceptance Criteria: +/- 10%	
CAL (ICV) CCV	7/30/25	10.3	P F
CAL ICV (CCV)	7/31/25	10.2	P F
CAL ICV CCV			P F
CAL ICV CCV			P F

11 - 40 NTU Std 20 NTU	Date	Reading (NTU)	Pass or Fail
		Acceptance Criteria: +/- 8%	
CAL (ICV) CCV	7/30/25	20.1	P F
CAL ICV (CCV)	7/31/25	21.4	P F
CAL ICV CCV			P F
CAL ICV CCV			P F
CAL ICV CCV			P F
CAL ICV CCV			P F

41 - 100 NTU Std 100 NTU	Date	Reading (NTU)	Pass or Fail
		Acceptance Criteria: +/- 6.5%	
CAL (ICV) CCV	7/30/25	101	P F
CAL ICV (CCV)	7/31/25	104	P F
CAL ICV CCV			P F
CAL ICV CCV			P F
CAL ICV CCV			P F
CAL ICV CCV			P F

>100 NTU Std 800 NTU	Date	Reading (NTU)	Pass or Fail
		Acceptance Criteria: +/- 5%	
CAL (ICV) CCV	7/30/25	799	P F
CAL ICV (CCV)	7/31/25	803	P F
CAL ICV CCV			P F
CAL ICV CCV			P F

1. See Table FS 2200-2 on the back of this form

CAL - Initial Calibration

ICV - Initial Calibration Verification

CCV - Continuing Calibration Verification

Allow adequate time for the dissolved oxygen sensor to equilibrate during air calibration

Calibrate specific conductance using at least two standards that bracket the range of expected sample readings (unless readings <0.1 mS/cm is acceptable)

Calibrate pH using at least two standards (typ. pH 4 and 7) that bracket the range of expected sample readings; always start with pH 7; add a third calibration point if needed (i.e. pH > 7)

If parameter fails to calibrate within SOP acceptance criteria then append sample results with a "J" qualifier

Comments:

Geosyntec consultants

Form FD9000-8 CALIBRATION LOG (FDEP SOP FT 1000-FT 1500, FD 1000-FD 4000)

Geosyntec Consultants
Water Quality Instrument Calibration Form

Project/Site: Lakeland Electric Project #: FR3715[illegible]/01/****/: Field Personnel: Olivia Hollingsworth

Water Quality Meter - Model/Serial#: YSI 556 / 14K101578 Turbidimeter - Model/Serial#: HACH 2000 / 15030D004608

Dissolved Oxygen	DEP SOP FT 1500	Date	Time	Temp (°C)	Saturation (mg/L)[1]	Reading (mg/L)	Reading (%)	Pass or Fail
						Acceptance Criteria: +/-0.3 mg/L		
CAL ICV (CCV)		8/1/25	0800	29.06	7.68	7.68	100.0	(P) F
CAL ICV (CCV)		"	1211	32.43	7.25	7.23	100.1	(P) F
CAL ICV CCV								P F
CAL ICV CCV								P F

Specific Conductance	DEP SOP FT 1200	Date	Time	Standard (mS/cm)	Standard Lot #	Standard Exp. Date	Reading (mS/cm)	Pass or Fail
						Acceptance Criteria: +/- 5%		
CAL ICV (CCV)		8/1/25	0805	1.413	SLF7235	6/26	1.418	(P) F
CAL ICV (CCV)		"	1214	"	"	"	1.407	(P) F
CAL ICV CCV								P F
CAL ICV CCV								P F
CAL ICV CCV								P F
CAL ICV CCV								P F

pH	DEP SOP FT 1100	Date	Time	Standard (SU)	Standard Lot #	Standard Exp. Date	Reading (SU)	Pass or Fail
						Acceptance Criteria: +/- 0.2 SU		
CAL ICV (CCV)		8/1/25	0808	4.00	5660509	6/27	4.00	(P) F
CAL ICV (CCV)		"	1217	"	"	"	3.98	(P) F
CAL ICV (CCV)		"	0811	7.00	SGR1866	2/27	7.00	(P) F
CAL ICV CCV		"	1220	"	"	"	6.97	(P) F
CAL ICV (CCV)		"	0814	10.00	SGB1197	2/27	10.00	(P) F
CAL ICV (CCV)		"	1223	"	"	"	9.97	(P) F

ORP	SOP N/A	Date	Time	Std. mV @ Temp °C	Standard Lot #	Standard Exp. Date	Reading (mV)	Pass or Fail
			0817					
			@					
						Geosyntec Acceptance Criteria: +/- 5%		
CAL ICV (CCV)		8/1/25	0814	240@25°C	561152	12/25	+0.05	(P) F
CAL ICV (CCV)		"	1226	"	"	"	240.0	(P) F
CAL ICV CCV							241.3	P F
CAL ICV CCV								P F

Specific Conductance Probe Cleaned? Yes (No) Dissolved Oxygen Membrane Changed? (Yes) No

0.1 - 10 NTU Std 10 NTU	Date	Reading (NTU)	Pass or Fail
		Acceptance Criteria: +/- 10%	
CAL ICV (CCV)	8/1/25	10.4	(P) F
CAL ICV (CCV)	"	9.73	(P) F
CAL ICV CCV			P F
CAL ICV CCV			P F

11 - 40 NTU Std 20 NTU	Date	Reading (NTU)	Pass or Fail
		Acceptance Criteria: +/- 8%	
CAL ICV (CCV)	8/1/25	20.1	(P) F
CAL ICV (CCV)	"	20.6	(P) F
CAL ICV CCV			P F
CAL ICV CCV			P F
CAL ICV CCV			P F
CAL ICV CCV			P F

41 - 100 NTU Std 100 NTU	Date	Reading (NTU)	Pass or Fail
		Acceptance Criteria: +/- 6.5%	
CAL ICV (CCV)	8/1/25	100	(P) F
CAL ICV (CCV)	"	98.6	(P) F
CAL ICV CCV			P F
CAL ICV CCV			P F
CAL ICV CCV			P F
CAL ICV CCV			P F

>100 NTU Std 800 NTU	Date	Reading (NTU)	Pass or Fail
		Acceptance Criteria: +/- 5%	
CAL ICV (CCV)	8/1/25	796	(P) F
CAL ICV (CCV)	"	797	(P) F
CAL ICV CCV			P F
CAL ICV CCV			P F

1. See Table FS 2200-2 on the back of this form

CAL - Initial Calibration

ICV - Initial Calibration Verification

CCV - Continuing Calibration Verification

Allow adequate time for the dissolved oxygen sensor to equilibrate during air calibration

Calibrate specific conductance using at least two standards that bracket the range of expected sample readings (unless readings <0.1 mS/cm is acceptable)

Calibrate pH using at least two standards (typ. pH 4 and 7) that bracket the range of expected sample readings; always start with pH 7; add a third calibration point if needed (i.e. pH > 7)

If parameter fails to calibrate within SOP acceptance criteria then append sample results with a "J" qualifier

Comments:

Geosyntec consultants

Form FD9000-8 CALIBRATION LOG (FDEP SOP FT 1000-FT 1500, FD 1000-FD 4000)

Geosyntec Consultants

Water Quality Instrument Calibration Form

Project/Site: Lyngland Electric Project #: FR3715K/01/****/1273 Field Personnel: Olivia Hollingsworth

Water Quality Meter - Model/Serial#: YSI 556 / 14K10578 Turbidimeter - Model/Serial#: HACH 2100Q / 250300004608

Dissolved Oxygen	DEP SOP FT 1500	Date	Time	Temp (°C)	Saturation (mg/L)[1]	Reading (mg/L)	Reading (%)	Pass or Fail
						Acceptance Criteria: +/-0.3 mg/L		
CAL (ICV) CCV		8/4/25	0809	28.65	7.76	7.77	100.0	(P) F
CAL ICV (CCV)		8/5/25	0802	28.71	7.73	7.73	100.0	(P) F
CAL ICV CCV								P F
CAL ICV CCV								P F

Specific Conductance	DEP SOP FT 1200	Date	Time	Standard (mS/cm)	Standard Lot #	Standard Exp. Date	Reading (mS/cm)	Pass or Fail
						Acceptance Criteria: +/- 5%		
CAL (ICV) CCV		8/4/25	0811	1.413	56F2235	6/26	1.413	(P) F
CAL ICV (CCV)		8/5/25	0809	"	"	"	1.413	(P) F
CAL ICV CCV								P F
CAL ICV CCV								P F
CAL ICV CCV								P F
CAL ICV CCV								P F

pH	DEP SOP FT 1100	Date	Time	Standard (SU)	Standard Lot #	Standard Exp. Date	Reading (SU)	Pass or Fail
						Acceptance Criteria: +/- 0.2 SU		
CAL (ICV) CCV		8/4/25	0821	4.00	5650509	6/27	4.00	(P) F
CAL ICV (CCV)		8/5/25	0816	"	"	"	4.00	(P) F
CAL (ICV) CCV		8/4/25	0825	7.00	56B1366	2/27	7.00	(P) F
CAL ICV (CCV)		8/5/25	0821	"	"	"	7.00	(P) F
CAL (ICV) CCV		8/4/25	0828	10.00	56B1197	2/27	10.01	(P) F
CAL ICV (CCV)		8/5/25	0825	"	"	"	10.00	(P) F

ORP	SOP N/A	Date	Time	Std. mV @ Temp °C	Standard Lot #	Standard Exp. Date	Reading (mV)	Pass or Fail
						Geosyntec Acceptance Criteria: +/- 5%		
CAL (ICV) CCV		8/4/25	0831	240 @ 25°C	56C1152	12/25	240.0	(P) F
CAL ICV (CCV)		8/5/25	0825	"	"	"	239.1	(P) F
CAL ICV CCV								P F
CAL ICV CCV								P F

Specific Conductance Probe Cleaned? Yes (No) Dissolved Oxygen Membrane Changed? Yes (No)

0.1 - 10 NTU Std 0 NTU	Date	Reading (NTU)	Pass or Fail
		Acceptance Criteria: +/- 10%	
CAL (ICV) CCV	8/4/25	9.73	(P) F
CAL ICV (CCV)	8/5/25	10.1	(P) F
CAL ICV CCV			P F
CAL ICV CCV			P F

11 - 40 NTU Std 20 NTU	Date	Reading (NTU)	Pass or Fail
		Acceptance Criteria: +/- 8%	
CAL (ICV) CCV	8/4/25	19.8	(P) F
CAL ICV (CCV)	8/5/25	20.0	(P) F
CAL ICV CCV			P F
CAL ICV CCV			P F
CAL ICV CCV			P F
CAL ICV CCV			P F

41 - 100 NTU Std 100 NTU	Date	Reading (NTU)	Pass or Fail
		Acceptance Criteria: +/- 6.5%	
CAL (ICV) CCV	8/4/25	99.7	(P) F
CAL ICV (CCV)	8/5/25	100	(P) F
CAL ICV CCV			P F
CAL ICV CCV			P F
CAL ICV CCV			P F
CAL ICV CCV			P F

>100 NTU Std 800 NTU	Date	Reading (NTU)	Pass or Fail
		Acceptance Criteria: +/- 5%	
CAL (ICV) CCV	8/4/25	788	(P) F
CAL ICV (CCV)	8/5/25	791	(P) F
CAL ICV CCV			P F
CAL ICV CCV			P F

1. See Table FS 2200-2 on the back of this form

CAL - Initial Calibration

ICV - Initial Calibration Verification

CCV - Continuing Calibration Verification

Allow adequate time for the dissolved oxygen sensor to equilibrate during air calibration

Calibrate specific conductance using at least two standards that bracket the range of expected sample readings (unless readings <0.1 mS/cm is acceptable)

Calibrate pH using at least two standards (typ. pH 4 and 7) that bracket the range of expected sample readings; always start with pH 7; add a third calibration point if needed (i.e. pH > 7)

If parameter fails to calibrate within SOP acceptance criteria then append sample results with a "J" qualifier

Comments:

Geosyntec consultants

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Form FD9000-8 CALIBRATION LOG (FDEP SOP FT 1000-FT 1500, FD 1000-FD 4000)

Geosyntec Consultants

Water Quality Instrument Calibration Form

Project/Site: Lakeland Electric Project #: FR3715[illegible]/01/****/K Field Personnel: Olivia Hollingsworth

Water Quality Meter - Model/Serial#: YSI 556 / 14K10578 Turbidimeter - Model/Serial#: Hach 2100Q / 2503D004608

Dissolved Oxygen	DEP SOP FT 1500	Date	Time	Temp (°C)	Saturation (mg/L)[1]	Reading (mg/L)	Reading (%)	Pass or Fail
						Acceptance Criteria: +/-0.3 mg/L		
CAL ICV (CCV)		8/6/25	0800	28.49	7.76	7.76	100.0	P F
CAL ICV (CCV)		"	1419	31.03	7.42	7.40	99.9	P F
CAL ICV CCV								P F
CAL ICV CCV								P F

Specific Conductance	DEP SOP FT 1200	Date	Time	Standard (mS/cm)	Standard Lot #	Standard Exp. Date	Reading (mS/cm)	Pass or Fail
						Acceptance Criteria: +/- 5%		
CAL ICV (CCV)		8/6/25	0803	1.413	5GF2285	6/26	1.427	P F
CAL ICV (CCV)		"	1423	"	"	"	1.404	P F
CAL ICV CCV								P F
CAL ICV CCV								P F
CAL ICV CCV								P F
CAL ICV CCV								P F

pH	DEP SOP FT 1100	Date	Time	Standard (SU)	Standard Lot #	Standard Exp. Date	Reading (SU)	Pass or Fail
						Acceptance Criteria: +/- 0.2 SU		
CAL ICV (CCV)		8/6/25	0810	4.00	5GB0509	6/27	4.08	P F
CAL ICV (CCV)		"	1426	"	"	"	4.04	P F
CAL ICV (CCV)		8/6/25	0816	7.00	5GB13666	2/27	6.98	P F
CAL ICV (CCV)		"	1429	"	"	"	6.91	P F
CAL ICV (CCV)		8/6/25	0820	10.00	5GB1197	2/27	10.04	P F
CAL ICV (CCV)		"	1432	"	"	"	9.91	P F

ORP	SOP N/A	Date	Time	Std. mV @ Temp °C	Standard Lot #	Standard Exp. Date	Reading (mV)	Pass or Fail
						Geosyntec Acceptance Criteria: +/- 5%		
CAL ICV (CCV)		8/6/25	0824	240 @ 25°C	5GC1152	12/25	235.9	P F
CAL ICV (CCV)		"	1435	"	"	"	233.0	P F
CAL ICV CCV								P F
CAL ICV CCV								P F

Specific Conductance Probe Cleaned? Yes (No) Dissolved Oxygen Membrane Changed? Yes (No)

0.1 - 10 NTU Std 10 NTU	Date	Reading (NTU)	Pass or Fail
		Acceptance Criteria: +/- 10%	
CAL ICV (CCV)	8/6/25	12.6	P F
CAL ICV (CCV)	"	11.0	P F
CAL ICV CCV			P F
CAL ICV CCV			P F

11 - 40 NTU Std 20 NTU	Date	Reading (NTU)	Pass or Fail
		Acceptance Criteria: +/- 8%	
CAL ICV (CCV)	8/6/25	20.6	P F
CAL ICV (CCV)	"	20.6	P F
CAL ICV CCV			P F
CAL ICV CCV			P F
CAL ICV CCV			P F
CAL ICV CCV			P F

41 - 100 NTU Std 100 NTU	Date	Reading (NTU)	Pass or Fail
		Acceptance Criteria: +/- 6.5%	
CAL ICV (CCV)	8/6/25	99.7	P F
CAL ICV (CCV)	"	99.0	P F
CAL ICV CCV			P F
CAL ICV CCV			P F
CAL ICV CCV			P F
CAL ICV CCV			P F

>100 NTU Std 800 NTU	Date	Reading (NTU)	Pass or Fail
		Acceptance Criteria: +/- 5%	
CAL ICV (CCV)	8/6/25	794	P F
CAL ICV (CCV)	"	785	P F
CAL ICV CCV			P F
CAL ICV CCV			P F

1. See Table FS 2200-2 on the back of this form

CAL - Initial Calibration

ICV - Initial Calibration Verification

CCV - Continuing Calibration Verification

Allow adequate time for the dissolved oxygen sensor to equilibrate during air calibration

Calibrate specific conductance using at least two standards that bracket the range of expected sample readings (unless readings <0.1 mS/cm is acceptable)

Calibrate pH using at least two standards (typ. pH 4 and 7) that bracket the range of expected sample readings; always start with pH 7; add a third calibration point if needed (i.e. pH > 7)

If parameter fails to calibrate within SOP acceptance criteria then append sample results with a "J" qualifier

Comments:

Geosyntec consultants

Form FD9000-8 CALIBRATION LOG (FDEP SOP FT 1000-FT 1500, FD 1000-FD 4000)

Geosyntec Consultants

Water Quality Instrument Calibration Form

Project/Site: LAKELAND ELECTRIC Project #: FR3715[illegible]/01/****/ Field Personnel: RIK MATHIAS

Water Quality Meter - Model/Serial#: YSI 556 06L 1239 AW Turbidimeter - Model/Serial#: HACH 2100Q 25030D 000461

Dissolved Oxygen	DEP SOP FT 1500	Date	Time	Temp (°C)	Saturation (mg/L)[1]	Reading (mg/L)	Reading (%)	Pass or Fail
						Acceptance Criteria: +/-0.3 mg/L		
CAL (ICV) CCV		7.30.25	0810	29.02	7.691	7.67	99.7	P F
CAL ICV (CCV)		7.31.25	0745	27.79	7.870	8.06	102.6	P F
CAL ICV (CCV)		8.1.25	0734	27.97	7.842	8.04	102.8	P F
CAL ICV (CCV)		"	1155	30.33	7.52	7.77	102.9	P F

Specific Conductance	DEP SOP FT 1200	Date	Time	Standard (mS/cm)	Standard Lot #	Standard Exp. Date	Reading (mS/cm)	Pass or Fail
						Acceptance Criteria: +/- 5%		
CAL (ICV) CCV		7.30.25	0815	1.413	58F2235	Jun/26	1411	P F
CAL ICV (CCV)		7.31.25	0750	"	"	"	1409	P F
CAL ICV (CCV)		8.1.25	0739	1.413	"	JUN/26	1406	P F
CAL ICV (CCV)		"	1200	"	"	"	1413	P F
CAL ICV CCV								P F
CAL ICV CCV								P F

pH	DEP SOP FT 1100	Date	Time	Standard (SU)	Standard Lot #	Standard Exp. Date	Reading (SU)	Pass or Fail
						Acceptance Criteria: +/- 0.2 SU		
CAL (ICV) CCV		7.30.25	0820	7.00	5GB1366	Feb/27	7.00	P F
CAL ICV CCV			0825	4.00	5GG0509	Jun/27	4.00	P F
CAL ICV CCV			0830	10.00	5GB1197	Feb/27	10.00	P F
CAL ICV (CCV)		7.31.25	0755	7.00	5GB1366	FEB/27	7.01	P F
CAL ICV (CCV)		8.1.25	0744	7.00	5GB1366	FeB/27	6.98	P F
CAL ICV (CCV)		"	1205	7.00	5GB1366	Feb/27	6.96	P F

ORP	SOP N/A	Date	Time	Std. mV @ Temp °C	Standard Lot #	Standard Exp. Date	Reading (mV)	Pass or Fail
						Geosyntec Acceptance Criteria: +/- 5%		
CAL (ICV) CCV		7.30.25	0834	240.0	SGC1152	Dec/25	240.0	P F
CAL ICV (CCV)		7.31.25	0800	"	"	"	241.7	P F
CAL ICV (CCV)		8.1.25	0749	"	5GC1152	Dec/25	242.9	P F
CAL ICV CCV		"	1209	"	"	"	5[illegible]2.3	P F

Specific Conductance Probe Cleaned? Yes No Dissolved Oxygen Membrane Changed? Yes No

0.1 - 10 NTU Std 10 NTU	Date	Reading (NTU)	Pass or Fail
	Acceptance Criteria: +/- 10%		
CAL (ICV) CCV	7.30.25	9.41	P F
CAL ICV (CCV)	7.30.25	9.39	P F
CAL ICV (CCV)	8.1.25	9.33	P F
CAL ICV (CCV)	"	9.34	P F

11 - 40 NTU Std 20 NTU	Date	Reading (NTU)	Pass or Fail
	Acceptance Criteria: +/- 8%		
CAL (ICV) CCV	7.30.25	20.1	P F
CAL ICV (CCV)	7.31.25	20.3	P F
CAL ICV (CCV)	8.1.25	20.4	P F
CAL ICV (CCV)	"	20.[illegible]	P F
CAL ICV CCV			P F
CAL ICV CCV			P F

41 - 100 NTU Std 100 NTU	Date	Reading (NTU)	Pass or Fail
	Acceptance Criteria: +/- 6.5%		
CAL (ICV) CCV	7.30.25	104	P F
CAL ICV (CCV)	7.31.25	101	P F
CAL ICV (CCV)	8.1.25	102	P F
CAL ICV (CCV)	"	100	P F
CAL ICV CCV			P F
CAL ICV CCV			P F

>100 NTU Std [illegible] NTU	Date	Reading (NTU)	Pass or Fail
	Acceptance Criteria: +/- 5%		
CAL (ICV) CCV	7.[illegible].25	800	P F
CAL ICV CCV			P F
CAL ICV CCV			P F
CAL ICV CCV			P F

1. See Table FS 2200-2 on the back of this form

CAL - Initial Calibration

ICV - Initial Calibration Verification

CCV - Continuing Calibration Verification

Allow adequate time for the dissolved oxygen sensor to equilibrate during air calibration

Calibrate specific conductance using at least two standards that bracket the range of expected sample readings (unless readings <0.1 mS/cm is acceptable)

Calibrate pH using at least two standards (typ. pH 4 and 7) that bracket the range of expected sample readings; always start with pH 7; add a third calibration point if needed (i.e. pH > 7)

If parameter fails to calibrate within SOP acceptance criteria then append sample results with a "J" qualifier

Comments:

Geosyntec consultants

Form FD9000-8 CALIBRATION LOG (FDEP SOP FT 1000-FT 1500, FD 1000-FD 4000)

Geosyntec Consultants

Water Quality Instrument Calibration Form

Project/Site: LAKELAND ELECTRIC Project #: FR3715[illegible]/01/****/K Field Personnel: RIK MATHIAS

Water Quality Meter - Model/Serial#: YSI 556 11E10155 Turbidimeter - Model/Serial#: HACH 2100Q 25030D008461

Dissolved Oxygen	DEP SOP FT 1500	Date	Time	Temp (°C)	Saturation (mg/L)[1]	Reading (mg/L)	Reading (%)	Pass or Fail
						Acceptance Criteria: +/-0.3 mg/L		
CAL (ICV) CCV		8.4.25	0810	29.40	7.638	7.72	100.9	(P) F
CAL ICV (CCV)		8.5.25	0725	25.62	8.173	8.11	99.2	(P) F
CAL ICV (CCV)		8.6.25	0735	27.42	7.912	7.86	99.3	(P) F
CAL ICV (CCV)		"	1335	28.17	7.814	7.79	99.4	(P) F

Specific Conductance	DEP SOP FT 1200	Date	Time	Standard (mS/cm)	Standard Lot #	Standard Exp. Date	Reading (mS/cm)	Pass or Fail
						Acceptance Criteria: +/- 5%		
CAL (ICV) CCV		8.4.25	0814	1.413	56886677	FEB/26	1413	(P) F
CAL ICV (CCV)		8.5.25	0730	"	"	"	1412	(P) F
CAL ICV (CCV)		8.6.25	0740	"	"	"	1415	(P) F
CAL ICV (CCV)		"	1339	"	"	"	1418	(P) F
CAL ICV CCV								P F
CAL ICV CCV								P F

pH	DEP SOP FT 1100	Date	Time	Standard (SU)	Standard Lot #	Standard Exp. Date	Reading (SU)	Pass or Fail
						Acceptance Criteria: +/- 0.2 SU		
CAL (ICV) CCV		8.4.25	0819	7.00	5GB1366	FEB/27	7.00	(P) F
CAL ICV CCV			0824	4.00	5GB1014	FEB/27	4.00	(P) F
CAL ICV CCV			0829	10.00	5GB1197	FEB/27	10.00	(P) F
CAL ICV (CCV)		8.5.25	0735	7.00	5GB13166	FEB/27	7.02	(P) F
CAL ICV (CCV)		8.6.25	0744	7.00	5GB13666	FEB/27	7.01	(P) F
CAL ICV (CCV)		"	1343	7.00	5GB1366	FEB/27	7.00	(P) F

ORP	SOP N/A	Date	Time	Std. mV @ Temp °C	Standard Lot #	Standard Exp. Date	Reading (mV)	Pass or Fail
						Geosyntec Acceptance Criteria: +/- 5%		
CAL (ICV) CCV		8.4.25	0833	240.0	5GD0098	JAN/26	240.1	(P) F
CAL ICV (CCV)		8.5.25	0740	"	"	"	241.2	(P) F
CAL ICV (CCV)		8.6.25	0748	"	"	"	238.5	(P) F
CAL ICV (CCV)		"	1347	"	"	"	237.9	(P) F

Specific Conductance Probe Cleaned? Yes No Dissolved Oxygen Membrane Changed? Yes No

0.1 - 10 NTU Std 10 NTU	Date	Reading (NTU)	Pass or Fail
		Acceptance Criteria: +/- 10%	
CAL ICV (CCV)	8.4.25	9.92	(P) F
CAL ICV (CCV)	8.5.25	9.98	(P) F
CAL ICV (CCV)	8.6.25	9.95	(P) F
CAL ICV (CCV)	"	9.97	(P) F

11 - 40 NTU Std 20 NTU	Date	Reading (NTU)	Pass or Fail
		Acceptance Criteria: +/- 8%	
CAL ICV (CCV)	8.4.25	20.3	(P) F
CAL ICV (CCV)	8.5.25	20.2	(P) F
CAL ICV (CCV)	8.6.25	20.3	(P) F
CAL ICV (CCV)	"	20.2	(P) F
CAL ICV CCV			P F
CAL ICV CCV			P F

41 - 100 NTU Std 100 NTU	Date	Reading (NTU)	Pass or Fail
		Acceptance Criteria: +/- 6.5%	
CAL ICV (CCV)	8.4.25	101	(P) F
CAL ICV (CCV)	8.5.25	100	(P) F
CAL ICV (CCV)	8.6.25	102	(P) F
CAL ICV (CCV)	"	101	(P) F
CAL ICV CCV			P F
CAL ICV CCV			P F

>100 NTU Std ____ NTU	Date	Reading (NTU)	Pass or Fail
		Acceptance Criteria: +/- 5%	
CAL ICV CCV			P F
CAL ICV CCV			P F
CAL ICV CCV			P F
CAL ICV CCV			P F

1. See Table FS 2200-2 on the back of this form

CAL - Initial Calibration

ICV - Initial Calibration Verification

CCV - Continuing Calibration Verification

Allow adequate time for the dissolved oxygen sensor to equilibrate during air calibration

Calibrate specific conductance using at least two standards that bracket the range of expected sample readings (unless readings <0.1 mS/cm is acceptable)

Calibrate pH using at least two standards (typ. pH 4 and 7) that bracket the range of expected sample readings; always start with pH 7; add a third calibration point if needed (i.e. pH > 7)

If parameter fails to calibrate within SOP acceptance criteria then append sample results with a "J" qualifier

Comments: _____

Geosyntec consultants

INSTRUMENT CALIBRATION REPORT

Pine Environmental Services LLC
3901 Coconut Palm Dr. Ste 107
Tampa, FL 33619
Direct: 813-620-1001

Pine Environmental Services, Inc.

Instrument ID 232964
Description HACH 2100Q Turbidimeter
Calibrated 7/23/2025 11:18:29AM

Manufacturer HACH
Model Number 2100Q
Serial Number/ Lot Number 25030D000468
Location Florida
Department ENV

State Certified NJ Cert#: 11034
Status Pass
Temp °C 20
Humidity % 60

Calibration Specifications

Group # 1
Group Name Turbidity
Stated Accy Pct of Reading

Range Acc % 0.0000
Reading Acc % 10.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
10.00 / 10.00	NTU	10.00	NTU	9.76	10.00	0.00%	Pass
20.00 / 20.00	NTU	20.00	NTU	21.40	20.00	0.00%	Pass
100.00 / 100.00	NTU	100.00	NTU	104.00	100.00	0.00%	Pass
800.00 / 800.00	NTU	800.00	NTU	823.00	800.00	0.00%	Pass

Test Instruments Used During the Calibration

(As Of Cal Entry Date)

Test Standard ID	Description	Manufacturer	Model Number	Serial Number / Lot Number	Last Cal Date/ Opened Date	Next Cal Date / Expiration Date
FL HACH 100NTU	100 NTU Turbidity Standard	HACH	2684901	A4298		1/31/2026
FL HACH 10NTU	10 NTU Turbidity Standard	HACH	2961801	A4302		2/28/2026
FL HACH 20NTU	20 NTU Turbidity Standard	HACH	2684801	A4302		2/28/2026
FL HACH 800NTU	800 NTU Turbidity Standard	HACH	2660501	A4302		2/28/2026

Notes about this calibration

Calibration Result Calibration Successful
Who Calibrated Matthew Hinton

INSTRUMENT CALIBRATION REPORT

Pine Environmental Services LLC

3901 Coconut Palm Dr. Ste 107
Tampa, FL 33619
Direct: 813-620-1001

Pine Environmental Services, Inc.

Instrument ID 232964
Description HACH 2100Q Turbidimeter
Calibrated 7/23/2025 11:18:29AM

All instruments are calibrated by Pine Environmental Services LLC according to the manufacturer's specifications, but it is the customer's responsibility to calibrate and maintain this unit in accordance with the manufacturer's specifications and/or the customer's own specific needs.

Notify Pine Environmental Services LLC of any defect within 24 hours of receipt of equipment
Please call 800-301-9663 for Technical Assistance

INSTRUMENT CALIBRATION REPORT

Pine Environmental Services LLC
3901 Coconut Palm Dr. Ste 107
Tampa, FL 33619
Direct: 813-620-1001

Pine Environmental Services, Inc.

Instrument ID 28184
Description YSI 556
Calibrated 7/23/2025 4:02:34PM

Manufacturer YSI
Model Number 556
Serial Number/ Lot Number 14k101578
Location Florida
Department

State Certified
Status Pass
Temp °C 19
Humidity % 60

Calibration Specifications

Group # 1
Group Name PH
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
7.00 / 7.00	PH	7.00	PH	7.31	7.00	0.00%	Pass
4.00 / 4.00	PH	4.00	PH	4.16	4.00	0.00%	Pass
10.00 / 10.00	PH	10.00	PH	9.98	10.00	0.00%	Pass

Group # 2
Group Name Conductivity
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.000

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
1.413 / 1.413	ms/cm	1.413	ms/cm	1.435	1.413	0.00%	Pass

Group # 3
Group Name Redox (ORP)
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
240.00 / 240.00	mv	240.00	mv	219.30	240.00	0.00%	Pass

Group # 4
Group Name Disolved Oxygen Span
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
100.00 / 100.00	%	100.00	%	102.90	100.00	0.00%	Pass

INSTRUMENT CALIBRATION REPORT

Pine Environmental Services LLC

3901 Coconut Palm Dr. Ste 107
Tampa, FL 33619
Direct: 813-620-1001

Pine Environmental Services, Inc.

Instrument ID 28184
Description YSI 556
Calibrated 7/23/2025 4:02:34PM

Test Instruments Used During the Calibration (As Of Cal Entry Date)

Test Standard ID	Description	Manufacturer	Model Number	Serial Number / Lot Number	Last Cal Date/ Opened Date	Next Cal Date / Expiration Date
FL 1413	FL 1413 Conductivity Standard	AquaPhoenix Scientific	Code: 31986	Lot #: 4GL1333		12/31/2025
FL ORP 240MV	FL ORP Standard 240mV	AquaPhoenix Scientific	Code: 32001	Lot #: 4GK1268		8/30/2025
FL PH 10	FL pH 10 Buffer Solution	AquaPhoenix Scientific	Code: 32034	Lot #: 4GI0913		9/30/2026
FL PH 4	FL pH 4 Buffer Solution	AquaPhoenix Scientific	Code: 32017	Lot #: 4GL0064		12/31/2026
FL PH 7	FL pH 7 Buffer Solution	AquaPhoenix Scientific	Code: 32025	Lot #: 4GL1064		12/31/2026

Notes about this calibration

Calibration Result Calibration Successful
Who Calibrated Matthew Hinton

All instruments are calibrated by Pine Environmental Services LLC according to the manufacturer's specifications, but it is the customer's responsibility to calibrate and maintain this unit in accordance with the manufacturer's specifications and/or the customer's own specific needs.

Notify Pine Environmental Services LLC of any defect within 24 hours of receipt of equipment
Please call 800-301-9663 for Technical Assistance

INSTRUMENT CALIBRATION REPORT

Pine Environmental Services LLC
3901 Coconut Palm Dr. Ste 107
Tampa, FL 33619
Direct: 813-620-1001

Pine Environmental Services, Inc.

Instrument ID 33551
Description YSI 556
Calibrated 7/31/2025 1:53:26PM

Manufacturer YSI
Model Number 556
Serial Number/ Lot Number 11E101551
Location Florida
Department

State Certified
Status Pass
Temp °C 20
Humidity % 62

Calibration Specifications

Group # 1
Group Name PH
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
7.00 / 7.00	PH	7.00	PH	7.12	7.00	0.00%	Pass
4.00 / 4.00	PH	4.00	PH	4.55	4.00	0.00%	Pass
10.00 / 10.00	PH	10.00	PH	9.93	10.00	0.00%	Pass

Group # 2
Group Name Redox (ORP)
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.0

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
240.0 / 240.0	mv	240.0	mv	229.3	240.0	0.00%	Pass

Group # 3
Group Name Conductivity
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.000

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
1.413 / 1.413	ms/cm	1.413	ms/cm	1.454	1.413	0.00%	Pass

Group # 4
Group Name Disolved Oxygen Span
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.0

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
100.0 / 100.0	%	100.0	%	93.7	100.0	0.00%	Pass

INSTRUMENT CALIBRATION REPORT

Pine Environmental Services LLC

3901 Coconut Palm Dr. Ste 107
Tampa, FL 33619
Direct: 813-620-1001

Pine Environmental Services, Inc.

Instrument ID 33551
Description YSI 556
Calibrated 7/31/2025 1:53:26PM

Test Instruments Used During the Calibration

Test Standard ID	Description	Manufacturer	Model Number	Serial Number / Lot Number	(As Of Cal Entry Date) Last Cal Date/ Opened Date	(As Of Cal Entry Date) Next Cal Date / Expiration Date
FL 1413	FL 1413 Conductivity Standard	AquaPhoenix Scientific	Code: 31986	Lot #: 4GL1333		12/31/2025
FL ORP 240MV	FL ORP Standard 240mV	AquaPhoenix Scientific	Code: 32001	Lot #: 4GK1268		8/30/2025
FL PH 10	FL pH 10 Buffer Solution	AquaPhoenix Scientific	Code: 32034	Lot #: 4GI0913		9/30/2026
FL PH 4	FL pH 4 Buffer Solution	AquaPhoenix Scientific	Code: 32017	Lot #: 4GL0064		12/31/2026
FL PH 7	FL pH 7 Buffer Solution	AquaPhoenix Scientific	Code: 32025	Lot #: 4GL1064		12/31/2026

Notes about this calibration

Calibration Result Calibration Successful
Who Calibrated Matthew Hinton

All instruments are calibrated by Pine Environmental Services LLC according to the manufacturer's specifications, but it is the customer's responsibility to calibrate and maintain this unit in accordance with the manufacturer's specifications and/or the customer's own specific needs.

Notify Pine Environmental Services LLC of any defect within 24 hours of receipt of equipment
Please call 800-301-9663 for Technical Assistance

INSTRUMENT CALIBRATION REPORT

Pine Environmental Services LLC
3901 Coconut Palm Dr. Ste 107
Tampa, FL 33619
Direct: 813-620-1001

Pine Environmental Services, Inc.

Instrument ID 232969
Description HACH 2100Q Turbidimeter
Calibrated 7/23/2025 12:04:42PM

Manufacturer HACH
Model Number 2100Q
Serial Number/ Lot Number 25030D000461
Location Florida
Department ENV

State Certified NJ Cert#: 11034
Status Pass
Temp °C 20
Humidity % 60

Calibration Specifications

Group # 1
Group Name Turbidity
Stated Accy Pct of Reading

Range Acc % 0.0000
Reading Acc % 10.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
10.00 / 10.00	NTU	10.00	NTU	9.28	10.00	0.00%	Pass
20.00 / 20.00	NTU	20.00	NTU	19.10	20.00	0.00%	Pass
100.00 / 100.00	NTU	100.00	NTU	99.50	100.00	0.00%	Pass
800.00 / 800.00	NTU	800.00	NTU	799.00	800.00	0.00%	Pass

Test Instruments Used During the Calibration

(As Of Cal Entry Date)

Test Standard ID	Description	Manufacturer	Model Number	Serial Number / Lot Number	Last Cal Date/ Opened Date	Next Cal Date / Expiration Date
FL HACH 100NTU	100 NTU Turbidity Standard	HACH	2684901	A4298		1/31/2026
FL HACH 10NTU	10 NTU Turbidity Standard	HACH	2961801	A4302		2/28/2026
FL HACH 20NTU	20 NTU Turbidity Standard	HACH	2684801	A4302		2/28/2026
FL HACH 800NTU	800 NTU Turbidity Standard	HACH	2660501	A4302		2/28/2026

Notes about this calibration

Calibration Result Calibration Successful
Who Calibrated Matthew Hinton

INSTRUMENT CALIBRATION REPORT

Pine Environmental Services LLC

3901 Coconut Palm Dr. Ste 107
Tampa, FL 33619
Direct: 813-620-1001

Pine Environmental Services, Inc.

Instrument ID 232969
Description HACH 2100Q Turbidimeter
Calibrated 7/23/2025 12:04:42PM

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Please call 800-301-9663 for Technical Assistance

INSTRUMENT CALIBRATION REPORT

Pine Environmental Services LLC
3901 Coconut Palm Dr. Ste 107
Tampa, FL 33619
Direct: 813-620-1001

Pine Environmental Services, Inc.

Instrument ID R8527
Description YSI 556
Calibrated 7/23/2025 2:02:43PM

Manufacturer YSI
Model Number 556
Serial Number/ Lot Number 06L1239AW
Location Florida
Department

State Certified
Status Pass
Temp °C 20
Humidity % 55

Calibration Specifications

Group # 1
Group Name PH
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
7.00 / 7.00	PH	7.00	PH	6.94	7.00	0.00%	Pass
4.00 / 4.00	PH	4.00	PH	4.13	4.00	0.00%	Pass
10.00 / 10.00	PH	10.00	PH	10.02	10.00	0.00%	Pass

Group # 2
Group Name Conductivity
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.000

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
1.413 / 1.413	ms/cm	1.413	ms/cm	1.451	1.413	0.00%	Pass

Group # 3
Group Name Redox (ORP)
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.0

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
240.0 / 240.0	mv	240.0	mv	227.0	240.0	0.00%	Pass

Group # 4
Group Name Disolved Oxygen Span
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.0

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
100.0 / 100.0	%	100.0	%	138.7	100.0	0.00%	Pass

INSTRUMENT CALIBRATION REPORT

Pine Environmental Services LLC
3901 Coconut Palm Dr. Ste 107
Tampa, FL 33619
Direct: 813-620-1001

Pine Environmental Services, Inc.

Instrument ID R8527
Description YSI 556
Calibrated 7/23/2025 2:02:43PM

Test Instruments Used During the Calibration (As Of Cal Entry Date)

Test Standard ID	Description	Manufacturer	Model Number	Serial Number / Lot Number	Last Cal Date/ Opened Date	Next Cal Date / Expiration Date
FL 1413	FL 1413 Conductivity Standard	AquaPhoenix Scientific	Code: 31986	Lot #: 4GL1333		12/31/2025
FL ORP 240MV	FL ORP Standard 240mV	AquaPhoenix Scientific	Code: 32001	Lot #: 4GK1268		8/30/2025
FL PH 10	FL pH 10 Buffer Solution	AquaPhoenix Scientific	Code: 32034	Lot #: 4GI0913		9/30/2026
FL PH 4	FL pH 4 Buffer Solution	AquaPhoenix Scientific	Code: 32017	Lot #: 4GL0064		12/31/2026
FL PH 7	FL pH 7 Buffer Solution	AquaPhoenix Scientific	Code: 32025	Lot #: 4GL1064		12/31/2026

Notes about this calibration

Calibration Result Calibration Successful
Who Calibrated Matthew Hinton

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ANALYTICAL REPORT

PREPARED FOR

Attn: Thomas Johnston
City of Lakeland
Lakeland Electric
501 East Lemon Street
Lakeland, Florida 33801

Generated 8/18/2025 6:53:43 PM

JOB DESCRIPTION

Semi-annual CCR Compliance Monitoring

JOB NUMBER

670-67905-1

Eurofins Orlando
481 Newburyport Avenue
Altamonte Springs FL 32701

See page two for job notes and contact information.

myEOL

Job Notes

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Authorization



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Authorized for release by
Luis Betancourt, Project Manager I
Luis.Betancourt@et.eurofinsus.com
(321)282-6293

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Definitions/Glossary

Client: City of Lakeland
Job ID: 670-67905-1
Project/Site: Semi-annual CCR Compliance Monitoring

Qualifiers

HPLC/IC

Qualifier	Qualifier Description
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
U	Indicates that the compound was analyzed for but not detected.

Metals

Qualifier	Qualifier Description
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
U	Indicates that the compound was analyzed for but not detected.
V	Indicates that the analyte was detected at or above the method detection limit in both the sample and the associated method blank and the value of 10 times the blank value was equal to or greater than the associated sample value.

General Chemistry

Qualifier	Qualifier Description
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
U	Indicates that the compound was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job ID: 670-67905-1 Eurofins Orlando

Job Narrative
670-67905-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The samples were received on 8/5/2025 3:30 PM and 8/8/2025 7:30 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were 1.6°C, 1.9°C and 2.0°C.

HPLC/IC
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Metals
Method 6020B - Total Recoverable: The continuing calibration verification (CCV) associated with batch 670-168239 recovered above the upper control limit for beryllium. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are:670-67905-1,-2, -4, -6 - 11(CCV 670-168555/117) and (CCV 670-168555/346).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Detection Summary

Client: City of Lakeland
Job ID: 670-67905-1
Project/Site: Semi-annual CCR Compliance Monitoring

Client Sample ID: CCR-1-20250804 — Lab Sample ID: 670-67905-1

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	5.3		0.40	0.20	mg/L	1		300.0	Total/NA
Calcium	32		0.50	0.058	mg/L	1		6010D	Total Recoverable
Boron	0.041	I	0.050	0.0035	mg/L	1		6010D	Total Recoverable
Arsenic	0.0011	I	0.0040	0.00039	mg/L	1		6020B	Total Recoverable
Barium	0.022		0.0040	0.00037	mg/L	1		6020B	Total Recoverable
Total Dissolved Solids	150		5.0	5.0	mg/L	1		2540C - 2015	Total/NA
Sulfate	100		20	10	mg/L	5		375.4	Total/NA

Client Sample ID: CCR-2-20250801 — Lab Sample ID: 670-67905-2

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	24		0.40	0.20	mg/L	1		300.0	Total/NA
Calcium	97		0.50	0.058	mg/L	1		6010D	Total Recoverable
Boron	0.064		0.050	0.0035	mg/L	1		6010D	Total Recoverable
Barium	0.018		0.0040	0.00037	mg/L	1		6020B	Total Recoverable
Total Dissolved Solids	460		5.0	5.0	mg/L	1		2540C - 2015	Total/NA
Sulfate	200		100	50	mg/L	25		375.4	Total/NA
Fluoride	0.048	I	0.10	0.022	mg/L	1		SM 4500 F C	Total/NA

Client Sample ID: CCR-4-20250804 — Lab Sample ID: 670-67905-3

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	2700		40	20	mg/L	100		300.0	Total/NA
Calcium	1300		5.0	0.58	mg/L	10		6010D	Total Recoverable
Lithium	0.25		0.020	0.018	mg/L	1		6010D	Total Recoverable
Boron	0.97		0.050	0.0035	mg/L	1		6010D	Total Recoverable
Cadmium	0.00029	I	0.0020	0.00025	mg/L	1		6020B	Total Recoverable
Barium	0.18		0.0040	0.00037	mg/L	1		6020B	Total Recoverable
Beryllium	0.00033	I	0.0010	0.00032	mg/L	1		6020B	Total Recoverable
Molybdenum	0.0061		0.0020	0.00025	mg/L	1		6020B	Total Recoverable
Selenium	0.0040		0.0040	0.00048	mg/L	1		6020B	Total Recoverable
Cobalt	0.0017	I	0.0020	0.00010	mg/L	1		6020B	Total Recoverable
Total Dissolved Solids	6600		25	25	mg/L	1		2540C - 2015	Total/NA
Sulfate	1200		160	80	mg/L	40		375.4	Total/NA

Client Sample ID: CCR-15-20250801 — Lab Sample ID: 670-67905-4

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	3.3		0.40	0.20	mg/L	1		300.0	Total/NA
Calcium	7.3		0.50	0.058	mg/L	1		6010D	Total Recoverable

This Detection Summary does not include radiochemical test results.

Eurofins Orlando

Detection Summary

Client: City of Lakeland
Job ID: 670-67905-1
Project/Site: Semi-annual CCR Compliance Monitoring

Client Sample ID: CCR-15-20250801 (Continued) — Lab Sample ID: 670-67905-4

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Magnesium	0.73	I	1.0	0.058	mg/L	1		6010D	Total Recoverable
Sodium	1.3		0.50	0.13	mg/L	1		6010D	Total Recoverable
Boron	0.019	I	0.050	0.0035	mg/L	1		6010D	Total Recoverable
Barium	0.010		0.0040	0.00037	mg/L	1		6020B	Total Recoverable
Molybdenum	0.0013	I	0.0020	0.00025	mg/L	1		6020B	Total Recoverable
Potassium	1.8		0.25	0.019	mg/L	1		6020B	Total Recoverable
Total Dissolved Solids	92		5.0	5.0	mg/L	1		2540C - 2015	Total/NA
Sulfate	19		4.0	2.0	mg/L	1		375.4	Total/NA
Fluoride	0.030	I	0.10	0.022	mg/L	1		SM 4500 F C	Total/NA

Client Sample ID: CCR-16-20250801 — Lab Sample ID: 670-67905-5

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	2600		40	20	mg/L	100		300.0	Total/NA
Calcium	1100		0.50	0.058	mg/L	1		6010D	Total Recoverable
Magnesium	12		1.0	0.058	mg/L	1		6010D	Total Recoverable
Sodium	410		0.50	0.13	mg/L	1		6010D	Total Recoverable
Lithium	0.74		0.020	0.018	mg/L	1		6010D	Total Recoverable
Boron	0.59		0.050	0.0035	mg/L	1		6010D	Total Recoverable
Arsenic	0.00042	I	0.0040	0.00039	mg/L	1		6020B	Total Recoverable
Barium	0.10		0.0040	0.00037	mg/L	1		6020B	Total Recoverable
Selenium	0.0016	I	0.0040	0.00048	mg/L	1		6020B	Total Recoverable
Cobalt	0.00095	I	0.0020	0.00010	mg/L	1		6020B	Total Recoverable
Potassium	530		13	0.93	mg/L	50		6020B	Total Recoverable
Total Dissolved Solids	6100		25	25	mg/L	1		2540C - 2015	Total/NA
Sulfate	990		160	80	mg/L	40		375.4	Total/NA

Client Sample ID: CCR-17-20250804 — Lab Sample ID: 670-67905-6

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	31		2.0	1.0	mg/L	5		300.0	Total/NA
Calcium	180		0.50	0.058	mg/L	1		6010D	Total Recoverable
Magnesium	13		1.0	0.058	mg/L	1		6010D	Total Recoverable
Sodium	10		0.50	0.13	mg/L	1		6010D	Total Recoverable
Boron	0.14		0.050	0.0035	mg/L	1		6010D	Total Recoverable
Arsenic	0.012		0.0040	0.00039	mg/L	1		6020B	Total Recoverable

This Detection Summary does not include radiochemical test results.

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Client Sample ID: CCR-17-20250804 (Continued)
Lab Sample ID: 670-67905-6

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.0031	I	0.0040	0.00037	mg/L	1		6020B	Total Recoverable
Molybdenum	0.0026		0.0020	0.00025	mg/L	1		6020B	Total Recoverable
Selenium	0.00060	I	0.0040	0.00048	mg/L	1		6020B	Total Recoverable
Potassium	13		0.25	0.019	mg/L	1		6020B	Total Recoverable
Alkalinity as CaCO3 to pH 4.5	270		10	10	mg/L	1		2320B-2011	Total/NA
Bicarbonate Alkalinity as CaCO3	270		10	10	mg/L	1		2320B-2011	Total/NA
Total Dissolved Solids	710		5.0	5.0	mg/L	1		2540C - 2015	Total/NA
Sulfate	160		20	10	mg/L	5		375.4	Total/NA
Fluoride	0.022	I	0.10	0.022	mg/L	1		SM 4500 F C	Total/NA

Client Sample ID: CCR-18-20250804
Lab Sample ID: 670-67905-7

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	4.6		0.80	0.40	mg/L	2		300.0	Total/NA
Calcium	130		0.50	0.058	mg/L	1		6010D	Total Recoverable
Magnesium	7.8		1.0	0.058	mg/L	1		6010D	Total Recoverable
Sodium	2.0		0.50	0.13	mg/L	1		6010D	Total Recoverable
Boron	0.055		0.050	0.0035	mg/L	1		6010D	Total Recoverable
Barium	0.0019	I	0.0040	0.00037	mg/L	1		6020B	Total Recoverable
Molybdenum	0.0022		0.0020	0.00025	mg/L	1		6020B	Total Recoverable
Selenium	0.00053	I	0.0040	0.00048	mg/L	1		6020B	Total Recoverable
Potassium	3.9		0.25	0.019	mg/L	1		6020B	Total Recoverable
Alkalinity as CaCO3 to pH 4.5	220		10	10	mg/L	1		2320B-2011	Total/NA
Bicarbonate Alkalinity as CaCO3	220		10	10	mg/L	1		2320B-2011	Total/NA
Total Dissolved Solids	480		5.0	5.0	mg/L	1		2540C - 2015	Total/NA
Sulfate	11		4.0	2.0	mg/L	1		375.4	Total/NA
Fluoride	0.41		0.10	0.022	mg/L	1		SM 4500 F C	Total/NA

Client Sample ID: CCR-19-20250804
Lab Sample ID: 670-67905-8

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	1300		16	8.0	mg/L	40		300.0	Total/NA
Calcium	690		0.50	0.058	mg/L	1		6010D	Total Recoverable
Magnesium	57		1.0	0.058	mg/L	1		6010D	Total Recoverable
Sodium	200		0.50	0.13	mg/L	1		6010D	Total Recoverable
Boron	0.27		0.050	0.0035	mg/L	1		6010D	Total Recoverable
Arsenic	0.011		0.0040	0.00039	mg/L	1		6020B	Total Recoverable
Barium	0.085		0.0040	0.00037	mg/L	1		6020B	Total Recoverable

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: City of Lakeland
Job ID: 670-67905-1
Project/Site: Semi-annual CCR Compliance Monitoring

Client Sample ID: CCR-19-20250804 (Continued)
Lab Sample ID: 670-67905-8

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Selenium	0.0013	I	0.0040	0.00048	mg/L	1		6020B	Total Recoverable
Potassium	180		2.5	0.19	mg/L	10		6020B	Total Recoverable
Total Dissolved Solids	3900		25	25	mg/L	1		2540C - 2015	Total/NA
Sulfate	850		100	50	mg/L	25		375.4	Total/NA
Fluoride	0.61		0.10	0.022	mg/L	1		SM 4500 F C	Total/NA

Client Sample ID: SW-106-20250804
Lab Sample ID: 670-67905-9

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	1.6		0.40	0.20	mg/L	1		300.0	Total/NA
Calcium	13		0.50	0.058	mg/L	1		6010D	Total Recoverable
Magnesium	1.9		1.0	0.058	mg/L	1		6010D	Total Recoverable
Sodium	2.8		0.50	0.13	mg/L	1		6010D	Total Recoverable
Boron	0.034	I	0.050	0.0035	mg/L	1		6010D	Total Recoverable
Barium	0.017		0.0040	0.00037	mg/L	1		6020B	Total Recoverable
Lead	0.00072	I	0.0020	0.00024	mg/L	1		6020B	Total Recoverable
Molybdenum	0.0021		0.0020	0.00025	mg/L	1		6020B	Total Recoverable
Selenium	0.00048	I	0.0040	0.00048	mg/L	1		6020B	Total Recoverable
Potassium	5.3		0.25	0.019	mg/L	1		6020B	Total Recoverable
Alkalinity as CaCO3 to pH 4.5	36		10	10	mg/L	1		2320B-2011	Total/NA
Bicarbonate Alkalinity as CaCO3	36		10	10	mg/L	1		2320B-2011	Total/NA
Total Dissolved Solids	90		5.0	5.0	mg/L	1		2540C - 2015	Total/NA
Sulfate	14		4.0	2.0	mg/L	1		375.4	Total/NA
Fluoride	0.024	I	0.10	0.022	mg/L	1		SM 4500 F C	Total/NA

Client Sample ID: Fish Lake-20250804
Lab Sample ID: 670-67905-10

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	42		0.80	0.40	mg/L	2		300.0	Total/NA
Calcium	120		0.50	0.058	mg/L	1		6010D	Total Recoverable
Magnesium	5.5		1.0	0.058	mg/L	1		6010D	Total Recoverable
Sodium	19		0.50	0.13	mg/L	1		6010D	Total Recoverable
Boron	0.12		0.050	0.0035	mg/L	1		6010D	Total Recoverable
Arsenic	0.0037	I	0.0040	0.00039	mg/L	1		6020B	Total Recoverable
Barium	0.020		0.0040	0.00037	mg/L	1		6020B	Total Recoverable
Molybdenum	0.0021		0.0020	0.00025	mg/L	1		6020B	Total Recoverable
Potassium	27		1.3	0.093	mg/L	5		6020B	Total Recoverable
Alkalinity as CaCO3 to pH 4.5	85		10	10	mg/L	1		2320B-2011	Total/NA

This Detection Summary does not include radiochemical test results.

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Client Sample ID: Fish Lake-20250804 (Continued) — Lab Sample ID: 670-67905-10

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Bicarbonate Alkalinity as CaCO3	85		10	10	mg/L	1		2320B-2011	Total/NA
Total Dissolved Solids	550		5.0	5.0	mg/L	1		2540C - 2015	Total/NA
Sulfate	320		100	50	mg/L	25		375.4	Total/NA
Fluoride	0.43		0.10	0.022	mg/L	1		SM 4500 F C	Total/NA

Client Sample ID: Lake D-20250804 — Lab Sample ID: 670-67905-11

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	150		0.80	0.40	mg/L	2		300.0	Total/NA
Calcium	73		0.50	0.058	mg/L	1		6010D	Total Recoverable
Magnesium	13		1.0	0.058	mg/L	1		6010D	Total Recoverable
Sodium	31		0.50	0.13	mg/L	1		6010D	Total Recoverable
Lithium	0.019	I	0.020	0.018	mg/L	1		6010D	Total Recoverable
Boron	0.063		0.050	0.0035	mg/L	1		6010D	Total Recoverable
Barium	0.0094		0.0040	0.00037	mg/L	1		6020B	Total Recoverable
Potassium	18		0.25	0.019	mg/L	1		6020B	Total Recoverable
Alkalinity as CaCO3 to pH 4.5	61		10	10	mg/L	1		2320B-2011	Total/NA
Bicarbonate Alkalinity as CaCO3	61		10	10	mg/L	1		2320B-2011	Total/NA
Total Dissolved Solids	500		5.0	5.0	mg/L	1		2540C - 2015	Total/NA
Sulfate	9.3		4.0	2.0	mg/L	1		375.4	Total/NA
Fluoride	0.41		0.10	0.022	mg/L	1		SM 4500 F C	Total/NA

Client Sample ID: CCR-8-20250805 — Lab Sample ID: 670-68175-1

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	4.9		0.40	0.20	mg/L	1		300.0	Total/NA
Sulfate	93		1.0	0.50	mg/L	1		300.0	Total/NA
Calcium	89		0.50	0.058	mg/L	1		6010D	Total Recoverable
Boron	0.044	I	0.050	0.0035	mg/L	1		6010D	Total Recoverable
Arsenic	0.0027	I	0.0040	0.00039	mg/L	1		6020B	Total Recoverable
Antimony	0.00077	I V	0.0020	0.00041	mg/L	1		6020B	Total Recoverable
Barium	0.033		0.0040	0.00037	mg/L	1		6020B	Total Recoverable
Molybdenum	0.011		0.0020	0.00025	mg/L	1		6020B	Total Recoverable
Cobalt	0.00051	I	0.0020	0.00010	mg/L	1		6020B	Total Recoverable
Total Dissolved Solids	300		5.0	5.0	mg/L	1		2540C - 2015	Total/NA
Fluoride	0.46		0.10	0.022	mg/L	1		SM 4500 F C	Total/NA

Client Sample ID: CCR-13-20250805 — Lab Sample ID: 670-68175-2

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	50		2.0	1.0	mg/L	5		300.0	Total/NA
Sulfate	890		20	10	mg/L	20		300.0	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: CCR-13-20250805 (Continued)
Lab Sample ID: 670-68175-2

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	350		0.50	0.058	mg/L	1		6010D	Total Recoverable
Boron	0.19		0.050	0.0035	mg/L	1		6010D	Total Recoverable
Arsenic	0.0052		0.0040	0.00039	mg/L	1		6020B	Total Recoverable
Antimony	0.00042	I V	0.0020	0.00041	mg/L	1		6020B	Total Recoverable
Barium	0.0051		0.0040	0.00037	mg/L	1		6020B	Total Recoverable
Molybdenum	0.0086		0.0020	0.00025	mg/L	1		6020B	Total Recoverable
Selenium	0.00096	I	0.0040	0.00048	mg/L	1		6020B	Total Recoverable
Total Dissolved Solids	1600		5.0	5.0	mg/L	1		2540C - 2015	Total/NA
Fluoride	0.40		0.10	0.022	mg/L	1		SM 4500 F C	Total/NA

Client Sample ID: CCR-5-20250805
Lab Sample ID: 670-68175-3

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	5400		40	20	mg/L	100		300.0	Total/NA
Sulfate	680		100	50	mg/L	100		300.0	Total/NA
Calcium	2000		5.0	0.58	mg/L	10		6010D	Total Recoverable
Magnesium	19		1.0	0.058	mg/L	1		6010D	Total Recoverable
Sodium	850		0.50	0.13	mg/L	1		6010D	Total Recoverable
Lithium	5.0		0.020	0.018	mg/L	1		6010D	Total Recoverable
Boron	0.38		0.050	0.0035	mg/L	1		6010D	Total Recoverable
Barium	0.16		0.0040	0.00037	mg/L	1		6020B	Total Recoverable
Molybdenum	0.0034		0.0020	0.00025	mg/L	1		6020B	Total Recoverable
Selenium	0.0020	I	0.0040	0.00048	mg/L	1		6020B	Total Recoverable
Cobalt	0.00011	I	0.0020	0.00010	mg/L	1		6020B	Total Recoverable
Potassium	740		13	0.93	mg/L	50		6020B	Total Recoverable
Alkalinity as CaCO3 to pH 4.5	53		10	10	mg/L	1		2320B-2011	Total/NA
Bicarbonate Alkalinity as CaCO3	53		10	10	mg/L	1		2320B-2011	Total/NA
Total Dissolved Solids	10000		25	25	mg/L	1		2540C - 2015	Total/NA
Fluoride	0.074	I	0.10	0.022	mg/L	1		SM 4500 F C	Total/NA

Client Sample ID: CCR-6-20250805
Lab Sample ID: 670-68175-4

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	24		2.0	1.0	mg/L	5		300.0	Total/NA
Sulfate	290		5.0	2.5	mg/L	5		300.0	Total/NA
Calcium	190		0.50	0.058	mg/L	1		6010D	Total Recoverable
Magnesium	6.8		1.0	0.058	mg/L	1		6010D	Total Recoverable

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: City of Lakeland
Job ID: 670-67905-1
Project/Site: Semi-annual CCR Compliance Monitoring

Client Sample ID: CCR-6-20250805 (Continued)
Lab Sample ID: 670-68175-4

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sodium	8.7		0.50	0.13	mg/L	1		6010D	Total Recoverable
Boron	0.076		0.050	0.0035	mg/L	1		6010D	Total Recoverable
Barium	0.0034	I	0.0040	0.00037	mg/L	1		6020B	Total Recoverable
Molybdenum	0.0048		0.0020	0.00025	mg/L	1		6020B	Total Recoverable
Potassium	8.5		0.25	0.019	mg/L	1		6020B	Total Recoverable
Alkalinity as CaCO3 to pH 4.5	200		10	10	mg/L	1		2320B-2011	Total/NA
Bicarbonate Alkalinity as CaCO3	200		10	10	mg/L	1		2320B-2011	Total/NA
Total Dissolved Solids	710		5.0	5.0	mg/L	1		2540C - 2015	Total/NA
Fluoride	0.45		0.10	0.022	mg/L	1		SM 4500 F C	Total/NA

Client Sample ID: CCR-7-20250806
Lab Sample ID: 670-68175-5

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	5.8		0.40	0.20	mg/L	1		300.0	Total/NA
Sulfate	110		5.0	2.5	mg/L	5		300.0	Total/NA
Calcium	52		0.50	0.058	mg/L	1		6010D	Total Recoverable
Magnesium	3.2		1.0	0.058	mg/L	1		6010D	Total Recoverable
Sodium	3.7		0.50	0.13	mg/L	1		6010D	Total Recoverable
Boron	0.13		0.050	0.0035	mg/L	1		6010D	Total Recoverable
Barium	0.0037	I	0.0040	0.00037	mg/L	1		6020B	Total Recoverable
Molybdenum	0.00070	I	0.0020	0.00025	mg/L	1		6020B	Total Recoverable
Selenium	0.00065	I	0.0040	0.00048	mg/L	1		6020B	Total Recoverable
Potassium	11		0.25	0.019	mg/L	1		6020B	Total Recoverable
Alkalinity as CaCO3 to pH 4.5	26		10	10	mg/L	1		2320B-2011	Total/NA
Bicarbonate Alkalinity as CaCO3	26		10	10	mg/L	1		2320B-2011	Total/NA
Total Dissolved Solids	300		5.0	5.0	mg/L	1		2540C - 2015	Total/NA
Fluoride	0.063	I	0.10	0.022	mg/L	1		SM 4500 F C	Total/NA

Client Sample ID: CCR-9-20250805
Lab Sample ID: 670-68175-6

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	1400		8.0	4.0	mg/L	20		300.0	Total/NA
Sulfate	1000		20	10	mg/L	20		300.0	Total/NA
Calcium	750		0.50	0.058	mg/L	1		6010D	Total Recoverable
Magnesium	60		1.0	0.058	mg/L	1		6010D	Total Recoverable
Sodium	200		0.50	0.13	mg/L	1		6010D	Total Recoverable
Lithium	0.058		0.020	0.018	mg/L	1		6010D	Total Recoverable
Boron	0.40		0.050	0.0035	mg/L	1		6010D	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample ID: CCR-9-20250805 (Continued)
Lab Sample ID: 670-68175-6

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.010		0.0040	0.00039	mg/L	1		6020B	Total Recoverable
Barium	0.063		0.0040	0.00037	mg/L	1		6020B	Total Recoverable
Potassium	120		2.5	0.19	mg/L	10		6020B	Total Recoverable
Alkalinity as CaCO3 to pH 4.5	31		10	10	mg/L	1		2320B-2011	Total/NA
Bicarbonate Alkalinity as CaCO3	31		10	10	mg/L	1		2320B-2011	Total/NA
Total Dissolved Solids	3900		25	25	mg/L	1		2540C - 2015	Total/NA
Fluoride	0.17		0.10	0.022	mg/L	1		SM 4500 F C	Total/NA

Client Sample ID: CCR-11-20250806
Lab Sample ID: 670-68175-7

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	800		8.0	4.0	mg/L	20		300.0	Total/NA
Sulfate	1700		20	10	mg/L	20		300.0	Total/NA
Calcium	610		0.50	0.058	mg/L	1		6010D	Total Recoverable
Magnesium	13		1.0	0.058	mg/L	1		6010D	Total Recoverable
Sodium	250		0.50	0.13	mg/L	1		6010D	Total Recoverable
Boron	0.38		0.050	0.0035	mg/L	1		6010D	Total Recoverable
Arsenic	0.093		0.0040	0.00039	mg/L	1		6020B	Total Recoverable
Barium	0.056		0.0040	0.00037	mg/L	1		6020B	Total Recoverable
Selenium	0.0025	I	0.0040	0.00048	mg/L	1		6020B	Total Recoverable
Potassium	380		5.0	0.37	mg/L	20		6020B	Total Recoverable
Total Dissolved Solids	3700		25	25	mg/L	1		2540C - 2015	Total/NA
Fluoride	0.61		0.10	0.022	mg/L	1		SM 4500 F C	Total/NA

Client Sample ID: CCR-12-20250806
Lab Sample ID: 670-68175-8

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	27		4.0	2.0	mg/L	10		300.0	Total/NA
Sulfate	1300		20	10	mg/L	20		300.0	Total/NA
Calcium	540		0.50	0.058	mg/L	1		6010D	Total Recoverable
Magnesium	6.5		1.0	0.058	mg/L	1		6010D	Total Recoverable
Sodium	16		0.50	0.13	mg/L	1		6010D	Total Recoverable
Boron	0.46		0.050	0.0035	mg/L	1		6010D	Total Recoverable
Arsenic	0.063		0.0040	0.00039	mg/L	1		6020B	Total Recoverable
Barium	0.025		0.0040	0.00037	mg/L	1		6020B	Total Recoverable
Molybdenum	0.013		0.0020	0.00025	mg/L	1		6020B	Total Recoverable
Selenium	0.0010	I	0.0040	0.00048	mg/L	1		6020B	Total Recoverable

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: City of Lakeland
Job ID: 670-67905-1
Project/Site: Semi-annual CCR Compliance Monitoring

Client Sample ID: CCR-12-20250806 (Continued)
Lab Sample ID: 670-68175-8

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Potassium	71		1.3	0.093	mg/L	5		6020B	Total Recoverable
Alkalinity as CaCO3 to pH 4.5	270		10	10	mg/L	1		2320B-2011	Total/NA
Bicarbonate Alkalinity as CaCO3	270		10	10	mg/L	1		2320B-2011	Total/NA
Total Dissolved Solids	2100		10	10	mg/L	1		2540C - 2015	Total/NA
Fluoride	0.78		0.10	0.022	mg/L	1		SM 4500 F C	Total/NA

Client Sample ID: CCR-20-20250806
Lab Sample ID: 670-68175-9

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	300		8.0	4.0	mg/L	20		300.0	Total/NA
Sulfate	1900		20	10	mg/L	20		300.0	Total/NA
Calcium	570		0.50	0.058	mg/L	1		6010D	Total Recoverable
Magnesium	5.3		1.0	0.058	mg/L	1		6010D	Total Recoverable
Sodium	92		0.50	0.13	mg/L	1		6010D	Total Recoverable
Boron	0.34		0.050	0.0035	mg/L	1		6010D	Total Recoverable
Arsenic	0.086		0.0040	0.00039	mg/L	1		6020B	Total Recoverable
Barium	0.055		0.0040	0.00037	mg/L	1		6020B	Total Recoverable
Selenium	0.0019	I	0.0040	0.00048	mg/L	1		6020B	Total Recoverable
Potassium	270		5.0	0.37	mg/L	20		6020B	Total Recoverable
Total Dissolved Solids	2800		25	25	mg/L	1		2540C - 2015	Total/NA
Fluoride	0.17		0.10	0.022	mg/L	1		SM 4500 F C	Total/NA

Client Sample ID: CCR-21-20250806
Lab Sample ID: 670-68175-10

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	15		4.0	2.0	mg/L	10		300.0	Total/NA
Sulfate	1200		20	10	mg/L	20		300.0	Total/NA
Calcium	510		0.50	0.058	mg/L	1		6010D	Total Recoverable
Magnesium	14		1.0	0.058	mg/L	1		6010D	Total Recoverable
Sodium	12		0.50	0.13	mg/L	1		6010D	Total Recoverable
Boron	0.39		0.050	0.0035	mg/L	1		6010D	Total Recoverable
Arsenic	0.0035	I	0.0040	0.00039	mg/L	1		6020B	Total Recoverable
Barium	0.044		0.0040	0.00037	mg/L	1		6020B	Total Recoverable
Molybdenum	0.041		0.0020	0.00025	mg/L	1		6020B	Total Recoverable
Cobalt	0.00096	I	0.0020	0.00010	mg/L	1		6020B	Total Recoverable
Potassium	17		0.25	0.019	mg/L	1		6020B	Total Recoverable
Alkalinity as CaCO3 to pH 4.5	270		10	10	mg/L	1		2320B-2011	Total/NA
Bicarbonate Alkalinity as CaCO3	270		10	10	mg/L	1		2320B-2011	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: City of Lakeland
Job ID: 670-67905-1
Project/Site: Semi-annual CCR Compliance Monitoring

Client Sample ID: CCR-21-20250806 (Continued) — Lab Sample ID: 670-68175-10

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Dissolved Solids	2000		10	10	mg/L	1		2540C - 2015	Total/NA
Fluoride	0.64		0.10	0.022	mg/L	1		SM 4500 F C	Total/NA

Client Sample ID: CCR-22-20250806 — Lab Sample ID: 670-68175-11

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	140		4.0	2.0	mg/L	10		300.0	Total/NA
Sulfate	1400		20	10	mg/L	20		300.0	Total/NA
Calcium	390		0.50	0.058	mg/L	1		6010D	Total Recoverable
Magnesium	17		1.0	0.058	mg/L	1		6010D	Total Recoverable
Sodium	42		0.50	0.13	mg/L	1		6010D	Total Recoverable
Lithium	0.050		0.020	0.018	mg/L	1		6010D	Total Recoverable
Boron	0.57		0.050	0.0035	mg/L	1		6010D	Total Recoverable
Barium	0.037		0.0040	0.00037	mg/L	1		6020B	Total Recoverable
Cobalt	0.0016	I	0.0020	0.00010	mg/L	1		6020B	Total Recoverable
Potassium	150		2.5	0.19	mg/L	10		6020B	Total Recoverable
Total Dissolved Solids	2000		10	10	mg/L	1		2540C - 2015	Total/NA
Fluoride	0.59		0.10	0.022	mg/L	1		SM 4500 F C	Total/NA

Client Sample ID: CCR-23-20250805 — Lab Sample ID: 670-68175-12

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	170		2.0	1.0	mg/L	5		300.0	Total/NA
Sulfate	840		10	5.0	mg/L	10		300.0	Total/NA
Calcium	320		0.50	0.058	mg/L	1		6010D	Total Recoverable
Magnesium	30		1.0	0.058	mg/L	1		6010D	Total Recoverable
Sodium	58		0.50	0.13	mg/L	1		6010D	Total Recoverable
Boron	0.85		0.050	0.0035	mg/L	1		6010D	Total Recoverable
Barium	0.013		0.0040	0.00037	mg/L	1		6020B	Total Recoverable
Potassium	20		0.25	0.019	mg/L	1		6020B	Total Recoverable
Alkalinity as CaCO3 to pH 4.5	34		10	10	mg/L	1		2320B-2011	Total/NA
Bicarbonate Alkalinity as CaCO3	34		10	10	mg/L	1		2320B-2011	Total/NA
Total Dissolved Solids	1600		5.0	5.0	mg/L	1		2540C - 2015	Total/NA
Fluoride	0.29		0.10	0.022	mg/L	1		SM 4500 F C	Total/NA

Client Sample ID: EQB-1-20250805 — Lab Sample ID: 670-68175-13

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Potassium	0.043	I	0.25	0.019	mg/L	1		6020B	Total Recoverable
Total Dissolved Solids	24		5.0	5.0	mg/L	1		2540C - 2015	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: CCR-1-20250804
Lab Sample ID: 670-67905-1

Date Collected: 08/04/25 10:46
Matrix: Water
Date Received: 08/05/25 15:30

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**5.3**		0.40	0.20	mg/L			08/08/25 19:51	1

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**32**		0.50	0.058	mg/L		08/06/25 10:11	08/06/25 14:58	1
Lithium	0.018	U	0.020	0.018	mg/L		08/06/25 10:11	08/06/25 14:58	1
Chromium	0.0049	U	0.010	0.0049	mg/L		08/06/25 10:11	08/06/25 14:58	1
Boron	**0.041**	**I**	0.050	0.0035	mg/L		08/06/25 10:11	08/06/25 14:58	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0011**	**I**	0.0040	0.00039	mg/L		08/06/25 10:06	08/06/25 16:38	1
Antimony	0.00041	U	0.0020	0.00041	mg/L		08/06/25 10:06	08/06/25 16:38	1
Cadmium	0.00025	U	0.0020	0.00025	mg/L		08/06/25 10:06	08/06/25 16:38	1
Barium	**0.022**		0.0040	0.00037	mg/L		08/06/25 10:06	08/06/25 16:38	1
Beryllium	0.00032	U	0.0010	0.00032	mg/L		08/06/25 10:06	08/06/25 16:38	1
Lead	0.00024	U	0.0020	0.00024	mg/L		08/06/25 10:06	08/06/25 16:38	1
Molybdenum	0.00025	U	0.0020	0.00025	mg/L		08/06/25 10:06	08/06/25 16:38	1
Selenium	0.00048	U	0.0040	0.00048	mg/L		08/06/25 10:06	08/06/25 16:38	1
Cobalt	0.00010	U	0.0020	0.00010	mg/L		08/06/25 10:06	08/06/25 16:38	1
Thallium	0.00035	U	0.0010	0.00035	mg/L		08/06/25 10:06	08/06/25 16:38	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00040	0.00020	mg/L		08/07/25 12:27	08/08/25 09:38	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C - 2015)	**150**		5.0	5.0	mg/L			08/08/25 17:30	1
Sulfate (EPA 375.4)	**100**		20	10	mg/L			08/07/25 13:35	5
Fluoride (SM 4500 F C)	0.022	U	0.10	0.022	mg/L			08/12/25 15:12	1

Client Sample ID: CCR-2-20250801
Lab Sample ID: 670-67905-2

Date Collected: 08/01/25 11:26
Matrix: Water
Date Received: 08/05/25 15:30

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**24**		0.40	0.20	mg/L			08/08/25 20:20	1

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**97**		0.50	0.058	mg/L		08/06/25 10:11	08/06/25 15:00	1
Lithium	0.018	U	0.020	0.018	mg/L		08/06/25 10:11	08/06/25 15:00	1
Chromium	0.0049	U	0.010	0.0049	mg/L		08/06/25 10:11	08/06/25 15:00	1
Boron	**0.064**		0.050	0.0035	mg/L		08/06/25 10:11	08/06/25 15:00	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.00039	U	0.0040	0.00039	mg/L		08/06/25 10:06	08/07/25 01:57	1
Antimony	0.00041	U	0.0020	0.00041	mg/L		08/06/25 10:06	08/07/25 01:57	1

Client Sample ID: CCR-2-20250801
Lab Sample ID: 670-67905-2

Date Collected: 08/01/25 11:26
Matrix: Water
Date Received: 08/05/25 15:30

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable (Continued)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.00025	U	0.0020	0.00025	mg/L		08/06/25 10:06	08/07/25 01:57	1
Barium	**0.018**		0.0040	0.00037	mg/L		08/06/25 10:06	08/07/25 01:57	1
Beryllium	0.00032	U	0.0010	0.00032	mg/L		08/06/25 10:06	08/07/25 01:57	1
Lead	0.00024	U	0.0020	0.00024	mg/L		08/06/25 10:06	08/07/25 01:57	1
Molybdenum	0.00025	U	0.0020	0.00025	mg/L		08/06/25 10:06	08/07/25 01:57	1
Selenium	0.00048	U	0.0040	0.00048	mg/L		08/06/25 10:06	08/07/25 01:57	1
Cobalt	0.00010	U	0.0020	0.00010	mg/L		08/06/25 10:06	08/07/25 01:57	1
Thallium	0.00035	U	0.0010	0.00035	mg/L		08/06/25 10:06	08/07/25 01:57	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00040	0.00020	mg/L		08/07/25 12:27	08/08/25 09:39	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C - 2015)	**460**		5.0	5.0	mg/L			08/08/25 12:29	1
Sulfate (EPA 375.4)	**200**		100	50	mg/L			08/07/25 13:51	25
Fluoride (SM 4500 F C)	**0.048**	**I**	0.10	0.022	mg/L			08/12/25 15:15	1

Client Sample ID: CCR-4-20250804
Lab Sample ID: 670-67905-3

Date Collected: 08/04/25 11:48
Matrix: Water
Date Received: 08/05/25 15:30

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2700**		40	20	mg/L			08/08/25 20:30	100

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**1300**		5.0	0.58	mg/L		08/06/25 10:11	08/06/25 16:40	10
Lithium	**0.25**		0.020	0.018	mg/L		08/06/25 10:11	08/06/25 15:09	1
Chromium	0.0049	U	0.010	0.0049	mg/L		08/06/25 10:11	08/06/25 15:09	1
Boron	**0.97**		0.050	0.0035	mg/L		08/06/25 10:11	08/06/25 15:09	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.00039	U	0.0040	0.00039	mg/L		08/06/25 10:06	08/07/25 02:00	1
Antimony	0.00041	U	0.0020	0.00041	mg/L		08/06/25 10:06	08/07/25 02:00	1
Cadmium	**0.00029**	**I**	0.0020	0.00025	mg/L		08/06/25 10:06	08/07/25 02:00	1
Barium	**0.18**		0.0040	0.00037	mg/L		08/06/25 10:06	08/07/25 02:00	1
Beryllium	**0.00033**	**I**	0.0010	0.00032	mg/L		08/06/25 10:06	08/07/25 12:15	1
Lead	0.00024	U	0.0020	0.00024	mg/L		08/06/25 10:06	08/07/25 02:00	1
Molybdenum	**0.0061**		0.0020	0.00025	mg/L		08/06/25 10:06	08/07/25 02:00	1
Selenium	**0.0040**		0.0040	0.00048	mg/L		08/06/25 10:06	08/07/25 02:00	1
Cobalt	**0.0017**	**I**	0.0020	0.00010	mg/L		08/06/25 10:06	08/07/25 02:00	1
Thallium	0.00035	U	0.0010	0.00035	mg/L		08/06/25 10:06	08/07/25 02:00	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00040	0.00020	mg/L		08/07/25 12:27	08/08/25 09:40	1

Client: City of Lakeland
Job ID: 670-67905-1
Project/Site: Semi-annual CCR Compliance Monitoring

Client Sample ID: CCR-4-20250804
Lab Sample ID: 670-67905-3
Date Collected: 08/04/25 11:48
Matrix: Water
Date Received: 08/05/25 15:30

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C - 2015)	**6600**		25	25	mg/L			08/08/25 17:30	1
Sulfate (EPA 375.4)	**1200**		160	80	mg/L			08/07/25 14:30	40
Fluoride (SM 4500 F C)	0.022	U	0.10	0.022	mg/L			08/12/25 15:17	1

Client Sample ID: CCR-15-20250801
Lab Sample ID: 670-67905-4
Date Collected: 08/01/25 11:57
Matrix: Water
Date Received: 08/05/25 15:30

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3.3**		0.40	0.20	mg/L			08/08/25 22:09	1

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**7.3**		0.50	0.058	mg/L		08/06/25 10:11	08/06/25 15:11	1
Magnesium	**0.73**	**I**	1.0	0.058	mg/L		08/06/25 10:11	08/06/25 15:11	1
Sodium	**1.3**		0.50	0.13	mg/L		08/06/25 10:11	08/06/25 15:11	1
Lithium	0.018	U	0.020	0.018	mg/L		08/06/25 10:11	08/06/25 15:11	1
Chromium	0.0049	U	0.010	0.0049	mg/L		08/06/25 10:11	08/06/25 15:11	1
Boron	**0.019**	**I**	0.050	0.0035	mg/L		08/06/25 10:11	08/06/25 15:11	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.00039	U	0.0040	0.00039	mg/L		08/06/25 10:06	08/06/25 16:40	1
Antimony	0.00041	U	0.0020	0.00041	mg/L		08/06/25 10:06	08/06/25 16:40	1
Cadmium	0.00025	U	0.0020	0.00025	mg/L		08/06/25 10:06	08/06/25 16:40	1
Barium	**0.010**		0.0040	0.00037	mg/L		08/06/25 10:06	08/06/25 16:40	1
Beryllium	0.00032	U	0.0010	0.00032	mg/L		08/06/25 10:06	08/06/25 16:40	1
Lead	0.00024	U	0.0020	0.00024	mg/L		08/06/25 10:06	08/06/25 16:40	1
Molybdenum	**0.0013**	**I**	0.0020	0.00025	mg/L		08/06/25 10:06	08/06/25 16:40	1
Selenium	0.00048	U	0.0040	0.00048	mg/L		08/06/25 10:06	08/06/25 16:40	1
Cobalt	0.00010	U	0.0020	0.00010	mg/L		08/06/25 10:06	08/06/25 16:40	1
Thallium	0.00035	U	0.0010	0.00035	mg/L		08/06/25 10:06	08/06/25 16:40	1
Potassium	**1.8**		0.25	0.019	mg/L		08/06/25 10:06	08/06/25 16:40	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00040	0.00020	mg/L		08/08/25 10:34	08/12/25 13:08	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity as CaCO3 to pH 4.5 (SM 2320B-2011)	10	U	10	10	mg/L			08/11/25 11:57	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	10	U	10	10	mg/L			08/11/25 11:57	1
Total Dissolved Solids (SM 2540C - 2015)	**92**		5.0	5.0	mg/L			08/08/25 12:29	1
Sulfate (EPA 375.4)	**19**		4.0	2.0	mg/L			08/07/25 13:17	1
Fluoride (SM 4500 F C)	**0.030**	**I**	0.10	0.022	mg/L			08/12/25 15:25	1

Client Sample ID: CCR-16-20250801
Lab Sample ID: 670-67905-5

Date Collected: 08/01/25 11:27
Matrix: Water
Date Received: 08/05/25 15:30

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2600**		40	20	mg/L			08/08/25 20:40	100

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**1100**		0.50	0.058	mg/L		08/06/25 10:11	08/06/25 15:13	1
Magnesium	**12**		1.0	0.058	mg/L		08/06/25 10:11	08/06/25 15:13	1
Sodium	**410**		0.50	0.13	mg/L		08/06/25 10:11	08/06/25 15:13	1
Lithium	**0.74**		0.020	0.018	mg/L		08/06/25 10:11	08/06/25 15:13	1
Chromium	0.0049	U	0.010	0.0049	mg/L		08/06/25 10:11	08/06/25 15:13	1
Boron	**0.59**		0.050	0.0035	mg/L		08/06/25 10:11	08/06/25 15:13	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.00042**	**I**	0.0040	0.00039	mg/L		08/06/25 10:06	08/06/25 16:46	1
Antimony	0.00041	U	0.0020	0.00041	mg/L		08/06/25 10:06	08/06/25 16:46	1
Cadmium	0.00025	U	0.0020	0.00025	mg/L		08/06/25 10:06	08/06/25 16:46	1
Barium	**0.10**		0.0040	0.00037	mg/L		08/06/25 10:06	08/06/25 16:46	1
Beryllium	0.00032	U	0.0010	0.00032	mg/L		08/06/25 10:06	08/07/25 14:33	1
Lead	0.00024	U	0.0020	0.00024	mg/L		08/06/25 10:06	08/06/25 16:46	1
Molybdenum	0.00025	U	0.0020	0.00025	mg/L		08/06/25 10:06	08/06/25 16:46	1
Selenium	**0.0016**	**I**	0.0040	0.00048	mg/L		08/06/25 10:06	08/06/25 16:46	1
Cobalt	**0.00095**	**I**	0.0020	0.00010	mg/L		08/06/25 10:06	08/06/25 16:46	1
Thallium	0.00035	U	0.0010	0.00035	mg/L		08/06/25 10:06	08/06/25 16:46	1
Potassium	**530**		13	0.93	mg/L		08/06/25 10:06	08/06/25 16:49	50

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00040	0.00020	mg/L		08/08/25 10:34	08/12/25 13:09	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity as CaCO3 to pH 4.5 (SM 2320B-2011)	10	U	10	10	mg/L			08/13/25 09:55	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	10	U	10	10	mg/L			08/13/25 09:55	1
Total Dissolved Solids (SM 2540C - 2015)	**6100**		25	25	mg/L			08/08/25 14:47	1
Sulfate (EPA 375.4)	**990**		160	80	mg/L			08/07/25 14:31	40
Fluoride (SM 4500 F C)	0.022	U	0.10	0.022	mg/L			08/12/25 15:31	1

Client Sample ID: CCR-17-20250804
Lab Sample ID: 670-67905-6

Date Collected: 08/04/25 10:51
Matrix: Water
Date Received: 08/05/25 15:30

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**31**		2.0	1.0	mg/L			08/08/25 20:50	5

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**180**		0.50	0.058	mg/L		08/06/25 10:11	08/06/25 15:16	1
Magnesium	**13**		1.0	0.058	mg/L		08/06/25 10:11	08/06/25 15:16	1

Client Sample ID: CCR-17-20250804
Lab Sample ID: 670-67905-6

Date Collected: 08/04/25 10:51
Matrix: Water
Date Received: 08/05/25 15:30

Method: SW846 6010D - Metals (ICP) - Total Recoverable (Continued)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	**10**		0.50	0.13	mg/L		08/06/25 10:11	08/06/25 15:16	1
Lithium	0.018	U	0.020	0.018	mg/L		08/06/25 10:11	08/06/25 15:16	1
Chromium	0.0049	U	0.010	0.0049	mg/L		08/06/25 10:11	08/06/25 15:16	1
Boron	**0.14**		0.050	0.0035	mg/L		08/06/25 10:11	08/06/25 15:16	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.012**		0.0040	0.00039	mg/L		08/06/25 10:06	08/06/25 16:51	1
Antimony	0.00041	U	0.0020	0.00041	mg/L		08/06/25 10:06	08/06/25 16:51	1
Cadmium	0.00025	U	0.0020	0.00025	mg/L		08/06/25 10:06	08/06/25 16:51	1
Barium	**0.0031**	**I**	0.0040	0.00037	mg/L		08/06/25 10:06	08/06/25 16:51	1
Beryllium	0.00032	U	0.0010	0.00032	mg/L		08/06/25 10:06	08/06/25 16:51	1
Lead	0.00024	U	0.0020	0.00024	mg/L		08/06/25 10:06	08/06/25 16:51	1
Molybdenum	**0.0026**		0.0020	0.00025	mg/L		08/06/25 10:06	08/06/25 16:51	1
Selenium	**0.00060**	**I**	0.0040	0.00048	mg/L		08/06/25 10:06	08/06/25 16:51	1
Cobalt	0.00010	U	0.0020	0.00010	mg/L		08/06/25 10:06	08/06/25 16:51	1
Thallium	0.00035	U	0.0010	0.00035	mg/L		08/06/25 10:06	08/06/25 16:51	1
Potassium	**13**		0.25	0.019	mg/L		08/06/25 10:06	08/06/25 16:51	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00040	0.00020	mg/L		08/08/25 10:34	08/12/25 13:11	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity as CaCO3 to pH 4.5 (SM 2320B-2011)	**270**		10	10	mg/L			08/13/25 09:26	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	**270**		10	10	mg/L			08/13/25 09:26	1
Total Dissolved Solids (SM 2540C - 2015)	**710**		5.0	5.0	mg/L			08/08/25 17:30	1
Sulfate (EPA 375.4)	**160**		20	10	mg/L			08/07/25 13:38	5
Fluoride (SM 4500 F C)	**0.022**	**I**	0.10	0.022	mg/L			08/12/25 15:34	1

Client Sample ID: CCR-18-20250804
Lab Sample ID: 670-67905-7

Date Collected: 08/04/25 11:36
Matrix: Water
Date Received: 08/05/25 15:30

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**4.6**		0.80	0.40	mg/L			08/08/25 21:00	2

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**130**		0.50	0.058	mg/L		08/06/25 10:11	08/06/25 15:18	1
Magnesium	**7.8**		1.0	0.058	mg/L		08/06/25 10:11	08/06/25 15:18	1
Sodium	**2.0**		0.50	0.13	mg/L		08/06/25 10:11	08/06/25 15:18	1
Lithium	0.018	U	0.020	0.018	mg/L		08/06/25 10:11	08/06/25 15:18	1
Chromium	0.0049	U	0.010	0.0049	mg/L		08/06/25 10:11	08/06/25 15:18	1
Boron	**0.055**		0.050	0.0035	mg/L		08/06/25 10:11	08/06/25 15:18	1

Client Sample ID: CCR-18-20250804
Lab Sample ID: 670-67905-7

Date Collected: 08/04/25 11:36
Matrix: Water
Date Received: 08/05/25 15:30

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.00039	U	0.0040	0.00039	mg/L		08/06/25 10:06	08/06/25 16:56	1
Antimony	0.00041	U	0.0020	0.00041	mg/L		08/06/25 10:06	08/06/25 16:56	1
Cadmium	0.00025	U	0.0020	0.00025	mg/L		08/06/25 10:06	08/06/25 16:56	1
Barium	**0.0019**	**I**	0.0040	0.00037	mg/L		08/06/25 10:06	08/06/25 16:56	1
Beryllium	0.00032	U	0.0010	0.00032	mg/L		08/06/25 10:06	08/06/25 16:56	1
Lead	0.00024	U	0.0020	0.00024	mg/L		08/06/25 10:06	08/06/25 16:56	1
Molybdenum	**0.0022**		0.0020	0.00025	mg/L		08/06/25 10:06	08/06/25 16:56	1
Selenium	**0.00053**	**I**	0.0040	0.00048	mg/L		08/06/25 10:06	08/06/25 16:56	1
Cobalt	0.00010	U	0.0020	0.00010	mg/L		08/06/25 10:06	08/06/25 16:56	1
Thallium	0.00035	U	0.0010	0.00035	mg/L		08/06/25 10:06	08/06/25 16:56	1
Potassium	**3.9**		0.25	0.019	mg/L		08/06/25 10:06	08/06/25 16:56	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00040	0.00020	mg/L		08/08/25 10:34	08/12/25 13:12	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity as CaCO3 to pH 4.5 (SM 2320B-2011)	**220**		10	10	mg/L			08/13/25 09:35	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	**220**		10	10	mg/L			08/13/25 09:35	1
Total Dissolved Solids (SM 2540C - 2015)	**480**		5.0	5.0	mg/L			08/08/25 17:30	1
Sulfate (EPA 375.4)	**11**		4.0	2.0	mg/L			08/07/25 13:18	1
Fluoride (SM 4500 F C)	**0.41**		0.10	0.022	mg/L			08/12/25 15:36	1

Client Sample ID: CCR-19-20250804
Lab Sample ID: 670-67905-8

Date Collected: 08/04/25 16:15
Matrix: Water
Date Received: 08/05/25 15:30

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1300**		16	8.0	mg/L			08/08/25 21:10	40

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**690**		0.50	0.058	mg/L		08/06/25 10:11	08/06/25 15:20	1
Magnesium	**57**		1.0	0.058	mg/L		08/06/25 10:11	08/06/25 15:20	1
Sodium	**200**		0.50	0.13	mg/L		08/06/25 10:11	08/06/25 15:20	1
Lithium	0.018	U	0.020	0.018	mg/L		08/06/25 10:11	08/06/25 15:20	1
Chromium	0.0049	U	0.010	0.0049	mg/L		08/06/25 10:11	08/06/25 15:20	1
Boron	**0.27**		0.050	0.0035	mg/L		08/06/25 10:11	08/06/25 15:20	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.011**		0.0040	0.00039	mg/L		08/06/25 10:06	08/06/25 16:59	1
Antimony	0.00041	U	0.0020	0.00041	mg/L		08/06/25 10:06	08/06/25 16:59	1
Cadmium	0.00025	U	0.0020	0.00025	mg/L		08/06/25 10:06	08/06/25 16:59	1
Barium	**0.085**		0.0040	0.00037	mg/L		08/06/25 10:06	08/06/25 16:59	1
Beryllium	0.00032	U	0.0010	0.00032	mg/L		08/06/25 10:06	08/06/25 16:59	1
Lead	0.00024	U	0.0020	0.00024	mg/L		08/06/25 10:06	08/06/25 16:59	1

Client Sample ID: CCR-19-20250804
Lab Sample ID: 670-67905-8

Date Collected: 08/04/25 16:15
Matrix: Water
Date Received: 08/05/25 15:30

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable (Continued)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Molybdenum	0.00025	U	0.0020	0.00025	mg/L		08/06/25 10:06	08/06/25 16:59	1
Selenium	**0.0013**	**I**	0.0040	0.00048	mg/L		08/06/25 10:06	08/06/25 16:59	1
Cobalt	0.00010	U	0.0020	0.00010	mg/L		08/06/25 10:06	08/06/25 16:59	1
Thallium	0.00035	U	0.0010	0.00035	mg/L		08/06/25 10:06	08/06/25 16:59	1
Potassium	**180**		2.5	0.19	mg/L		08/06/25 10:06	08/06/25 17:02	10

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00040	0.00020	mg/L		08/08/25 10:34	08/12/25 13:13	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity as CaCO3 to pH 4.5 (SM 2320B-2011)	10	U	10	10	mg/L			08/13/25 09:52	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	10	U	10	10	mg/L			08/13/25 09:52	1
Total Dissolved Solids (SM 2540C - 2015)	**3900**		25	25	mg/L			08/08/25 17:30	1
Sulfate (EPA 375.4)	**850**		100	50	mg/L			08/07/25 13:52	25
Fluoride (SM 4500 F C)	**0.61**		0.10	0.022	mg/L			08/12/25 15:39	1

Client Sample ID: SW-106-20250804
Lab Sample ID: 670-67905-9

Date Collected: 08/04/25 14:43
Matrix: Water
Date Received: 08/05/25 15:30

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1.6**		0.40	0.20	mg/L			08/08/25 21:20	1

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**13**		0.50	0.058	mg/L		08/06/25 10:11	08/06/25 15:22	1
Magnesium	**1.9**		1.0	0.058	mg/L		08/06/25 10:11	08/06/25 15:22	1
Sodium	**2.8**		0.50	0.13	mg/L		08/06/25 10:11	08/06/25 15:22	1
Lithium	0.018	U	0.020	0.018	mg/L		08/06/25 10:11	08/06/25 15:22	1
Chromium	0.0049	U	0.010	0.0049	mg/L		08/06/25 10:11	08/06/25 15:22	1
Boron	**0.034**	**I**	0.050	0.0035	mg/L		08/06/25 10:11	08/06/25 15:22	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.00039	U	0.0040	0.00039	mg/L		08/06/25 10:06	08/06/25 17:07	1
Antimony	0.00041	U	0.0020	0.00041	mg/L		08/06/25 10:06	08/06/25 17:07	1
Cadmium	0.00025	U	0.0020	0.00025	mg/L		08/06/25 10:06	08/06/25 17:07	1
Barium	**0.017**		0.0040	0.00037	mg/L		08/06/25 10:06	08/06/25 17:07	1
Beryllium	0.00032	U	0.0010	0.00032	mg/L		08/06/25 10:06	08/06/25 17:07	1
Lead	**0.00072**	**I**	0.0020	0.00024	mg/L		08/06/25 10:06	08/06/25 17:07	1
Molybdenum	**0.0021**		0.0020	0.00025	mg/L		08/06/25 10:06	08/06/25 17:07	1
Selenium	**0.00048**	**I**	0.0040	0.00048	mg/L		08/06/25 10:06	08/06/25 17:07	1
Cobalt	0.00010	U	0.0020	0.00010	mg/L		08/06/25 10:06	08/06/25 17:07	1
Thallium	0.00035	U	0.0010	0.00035	mg/L		08/06/25 10:06	08/06/25 17:07	1
Potassium	**5.3**		0.25	0.019	mg/L		08/06/25 10:06	08/06/25 17:07	1

Client Sample ID: SW-106-20250804
Lab Sample ID: 670-67905-9

Date Collected: 08/04/25 14:43
Matrix: Water
Date Received: 08/05/25 15:30

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00040	0.00020	mg/L		08/08/25 10:34	08/12/25 13:15	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity as CaCO3 to pH 4.5 (SM 2320B-2011)	36		10	10	mg/L			08/14/25 13:09	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	36		10	10	mg/L			08/14/25 13:09	1
Total Dissolved Solids (SM 2540C - 2015)	90		5.0	5.0	mg/L			08/08/25 17:30	1
Sulfate (EPA 375.4)	14		4.0	2.0	mg/L			08/07/25 13:19	1
Fluoride (SM 4500 F C)	0.024	I	0.10	0.022	mg/L			08/12/25 15:41	1

Client Sample ID: Fish Lake-20250804
Lab Sample ID: 670-67905-10

Date Collected: 08/04/25 10:05
Matrix: Water
Date Received: 08/05/25 15:30

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	42		0.80	0.40	mg/L			08/08/25 21:30	2

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	120		0.50	0.058	mg/L		08/06/25 10:11	08/06/25 15:24	1
Magnesium	5.5		1.0	0.058	mg/L		08/06/25 10:11	08/06/25 15:24	1
Sodium	19		0.50	0.13	mg/L		08/06/25 10:11	08/06/25 15:24	1
Lithium	0.018	U	0.020	0.018	mg/L		08/06/25 10:11	08/06/25 15:24	1
Chromium	0.0049	U	0.010	0.0049	mg/L		08/06/25 10:11	08/06/25 15:24	1
Boron	0.12		0.050	0.0035	mg/L		08/06/25 10:11	08/06/25 15:24	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.0037	I	0.0040	0.00039	mg/L		08/06/25 10:06	08/06/25 17:10	1
Antimony	0.00041	U	0.0020	0.00041	mg/L		08/06/25 10:06	08/06/25 17:10	1
Cadmium	0.00025	U	0.0020	0.00025	mg/L		08/06/25 10:06	08/06/25 17:10	1
Barium	0.020		0.0040	0.00037	mg/L		08/06/25 10:06	08/06/25 17:10	1
Beryllium	0.00032	U	0.0010	0.00032	mg/L		08/06/25 10:06	08/06/25 17:10	1
Lead	0.00024	U	0.0020	0.00024	mg/L		08/06/25 10:06	08/06/25 17:10	1
Molybdenum	0.0021		0.0020	0.00025	mg/L		08/06/25 10:06	08/06/25 17:10	1
Selenium	0.00048	U	0.0040	0.00048	mg/L		08/06/25 10:06	08/06/25 17:10	1
Cobalt	0.00010	U	0.0020	0.00010	mg/L		08/06/25 10:06	08/06/25 17:10	1
Thallium	0.00035	U	0.0010	0.00035	mg/L		08/06/25 10:06	08/06/25 17:10	1
Potassium	27		1.3	0.093	mg/L		08/06/25 10:06	08/06/25 17:13	5

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00040	0.00020	mg/L		08/08/25 10:34	08/12/25 13:16	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity as CaCO3 to pH 4.5 (SM 2320B-2011)	85		10	10	mg/L			08/08/25 16:24	1

Client Sample ID: Fish Lake-20250804
Lab Sample ID: 670-67905-10

Date Collected: 08/04/25 10:05
Matrix: Water
Date Received: 08/05/25 15:30

General Chemistry (Continued)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	85		10	10	mg/L			08/08/25 16:24	1
Total Dissolved Solids (SM 2540C - 2015)	550		5.0	5.0	mg/L			08/11/25 13:08	1
Sulfate (EPA 375.4)	320		100	50	mg/L			08/07/25 13:53	25
Fluoride (SM 4500 F C)	0.43		0.10	0.022	mg/L			08/12/25 15:43	1

Client Sample ID: Lake D-20250804
Lab Sample ID: 670-67905-11

Date Collected: 08/04/25 09:16
Matrix: Water
Date Received: 08/05/25 15:30

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	150		0.80	0.40	mg/L			08/08/25 21:39	2

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	73		0.50	0.058	mg/L		08/06/25 10:11	08/06/25 15:26	1
Magnesium	13		1.0	0.058	mg/L		08/06/25 10:11	08/06/25 15:26	1
Sodium	31		0.50	0.13	mg/L		08/06/25 10:11	08/06/25 15:26	1
Lithium	0.019	I	0.020	0.018	mg/L		08/06/25 10:11	08/06/25 15:26	1
Chromium	0.0049	U	0.010	0.0049	mg/L		08/06/25 10:11	08/06/25 15:26	1
Boron	0.063		0.050	0.0035	mg/L		08/06/25 10:11	08/06/25 15:26	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.00039	U	0.0040	0.00039	mg/L		08/06/25 10:06	08/06/25 17:18	1
Antimony	0.00041	U	0.0020	0.00041	mg/L		08/06/25 10:06	08/06/25 17:18	1
Cadmium	0.00025	U	0.0020	0.00025	mg/L		08/06/25 10:06	08/06/25 17:18	1
Barium	0.0094		0.0040	0.00037	mg/L		08/06/25 10:06	08/06/25 17:18	1
Beryllium	0.00032	U	0.0010	0.00032	mg/L		08/06/25 10:06	08/06/25 17:18	1
Lead	0.00024	U	0.0020	0.00024	mg/L		08/06/25 10:06	08/06/25 17:18	1
Molybdenum	0.00025	U	0.0020	0.00025	mg/L		08/06/25 10:06	08/06/25 17:18	1
Selenium	0.00048	U	0.0040	0.00048	mg/L		08/06/25 10:06	08/06/25 17:18	1
Cobalt	0.00010	U	0.0020	0.00010	mg/L		08/06/25 10:06	08/06/25 17:18	1
Thallium	0.00035	U	0.0010	0.00035	mg/L		08/06/25 10:06	08/06/25 17:18	1
Potassium	18		0.25	0.019	mg/L		08/06/25 10:06	08/06/25 17:18	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00040	0.00020	mg/L		08/08/25 10:34	08/12/25 13:17	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity as CaCO3 to pH 4.5 (SM 2320B-2011)	61		10	10	mg/L			08/13/25 10:33	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	61		10	10	mg/L			08/13/25 10:33	1
Total Dissolved Solids (SM 2540C - 2015)	500		5.0	5.0	mg/L			08/08/25 17:30	1
Sulfate (EPA 375.4)	9.3		4.0	2.0	mg/L			08/07/25 13:20	1
Fluoride (SM 4500 F C)	0.41		0.10	0.022	mg/L			08/12/25 15:45	1

Client Sample ID: CCR-8-20250805
Lab Sample ID: 670-68175-1

Date Collected: 08/05/25 14:57
Matrix: Water
Date Received: 08/08/25 07:30

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**4.9**		0.40	0.20	mg/L			08/11/25 22:24	1
Sulfate	**93**		1.0	0.50	mg/L			08/11/25 22:24	1

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**89**		0.50	0.058	mg/L		08/08/25 09:35	08/08/25 15:36	1
Lithium	0.018	U	0.020	0.018	mg/L		08/08/25 09:35	08/08/25 15:36	1
Chromium	0.0049	U	0.010	0.0049	mg/L		08/08/25 09:35	08/08/25 15:36	1
Boron	**0.044**	**I**	0.050	0.0035	mg/L		08/08/25 09:35	08/08/25 15:36	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0027**	**I**	0.0040	0.00039	mg/L		08/08/25 09:33	08/08/25 19:47	1
Antimony	**0.00077**	**I V**	0.0020	0.00041	mg/L		08/08/25 09:33	08/08/25 19:47	1
Cadmium	0.00025	U	0.0020	0.00025	mg/L		08/08/25 09:33	08/08/25 19:47	1
Barium	**0.033**		0.0040	0.00037	mg/L		08/08/25 09:33	08/08/25 19:47	1
Beryllium	0.00032	U	0.0010	0.00032	mg/L		08/08/25 09:33	08/08/25 19:47	1
Lead	0.00024	U	0.0020	0.00024	mg/L		08/08/25 09:33	08/08/25 19:47	1
Molybdenum	**0.011**		0.0020	0.00025	mg/L		08/08/25 09:33	08/08/25 19:47	1
Selenium	0.00048	U	0.0040	0.00048	mg/L		08/08/25 09:33	08/08/25 19:47	1
Cobalt	**0.00051**	**I**	0.0020	0.00010	mg/L		08/08/25 09:33	08/08/25 19:47	1
Thallium	0.00035	U	0.0010	0.00035	mg/L		08/08/25 09:33	08/08/25 19:47	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00040	0.00020	mg/L		08/08/25 15:37	08/12/25 12:01	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C - 2015)	**300**		5.0	5.0	mg/L			08/12/25 12:13	1
Fluoride (SM 4500 F C)	**0.46**		0.10	0.022	mg/L			08/12/25 16:06	1

Client Sample ID: CCR-13-20250805
Lab Sample ID: 670-68175-2

Date Collected: 08/05/25 14:38
Matrix: Water
Date Received: 08/08/25 07:30

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**50**		2.0	1.0	mg/L			08/11/25 22:55	5
Sulfate	**890**		20	10	mg/L			08/12/25 13:41	20

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**350**		0.50	0.058	mg/L		08/08/25 09:35	08/08/25 15:38	1
Lithium	0.018	U	0.020	0.018	mg/L		08/08/25 09:35	08/08/25 15:38	1
Chromium	0.0049	U	0.010	0.0049	mg/L		08/08/25 09:35	08/08/25 15:38	1
Boron	**0.19**		0.050	0.0035	mg/L		08/08/25 09:35	08/08/25 15:38	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0052**		0.0040	0.00039	mg/L		08/08/25 09:33	08/08/25 19:50	1

Client Sample ID: CCR-13-20250805
Lab Sample ID: 670-68175-2

Date Collected: 08/05/25 14:38
Matrix: Water
Date Received: 08/08/25 07:30

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable (Continued)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.00042**	**I V**	0.0020	0.00041	mg/L		08/08/25 09:33	08/08/25 19:50	1
Cadmium	0.00025	U	0.0020	0.00025	mg/L		08/08/25 09:33	08/08/25 19:50	1
Barium	**0.0051**		0.0040	0.00037	mg/L		08/08/25 09:33	08/08/25 19:50	1
Beryllium	0.00032	U	0.0010	0.00032	mg/L		08/08/25 09:33	08/08/25 19:50	1
Lead	0.00024	U	0.0020	0.00024	mg/L		08/08/25 09:33	08/08/25 19:50	1
Molybdenum	**0.0086**		0.0020	0.00025	mg/L		08/08/25 09:33	08/08/25 19:50	1
Selenium	**0.00096**	**I**	0.0040	0.00048	mg/L		08/08/25 09:33	08/08/25 19:50	1
Cobalt	0.00010	U	0.0020	0.00010	mg/L		08/08/25 09:33	08/08/25 19:50	1
Thallium	0.00035	U	0.0010	0.00035	mg/L		08/08/25 09:33	08/08/25 19:50	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00040	0.00020	mg/L		08/08/25 15:37	08/12/25 12:02	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C - 2015)	**1600**		5.0	5.0	mg/L			08/12/25 16:20	1
Fluoride (SM 4500 F C)	**0.40**		0.10	0.022	mg/L			08/12/25 16:08	1

Client Sample ID: CCR-5-20250805
Lab Sample ID: 670-68175-3

Date Collected: 08/05/25 11:09
Matrix: Water
Date Received: 08/08/25 07:30

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**5400**		40	20	mg/L			08/11/25 23:05	100
Sulfate	**680**		100	50	mg/L			08/11/25 23:05	100

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**2000**		5.0	0.58	mg/L		08/08/25 09:35	08/08/25 19:47	10
Magnesium	**19**		1.0	0.058	mg/L		08/08/25 09:35	08/08/25 15:40	1
Sodium	**850**		0.50	0.13	mg/L		08/08/25 09:35	08/08/25 15:40	1
Lithium	**5.0**		0.020	0.018	mg/L		08/08/25 09:35	08/08/25 15:40	1
Chromium	0.0049	U	0.010	0.0049	mg/L		08/08/25 09:35	08/08/25 15:40	1
Boron	**0.38**		0.050	0.0035	mg/L		08/08/25 09:35	08/08/25 15:40	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.00039	U	0.0040	0.00039	mg/L		08/08/25 09:33	08/08/25 19:55	1
Antimony	0.00041	U	0.0020	0.00041	mg/L		08/08/25 09:33	08/08/25 19:55	1
Cadmium	0.00025	U	0.0020	0.00025	mg/L		08/08/25 09:33	08/08/25 19:55	1
Barium	**0.16**		0.0040	0.00037	mg/L		08/08/25 09:33	08/08/25 19:55	1
Beryllium	0.00032	U	0.0010	0.00032	mg/L		08/08/25 09:33	08/08/25 19:55	1
Lead	0.00024	U	0.0020	0.00024	mg/L		08/08/25 09:33	08/08/25 19:55	1
Molybdenum	**0.0034**		0.0020	0.00025	mg/L		08/08/25 09:33	08/08/25 19:55	1
Selenium	**0.0020**	**I**	0.0040	0.00048	mg/L		08/08/25 09:33	08/08/25 19:55	1
Cobalt	**0.00011**	**I**	0.0020	0.00010	mg/L		08/08/25 09:33	08/08/25 19:55	1
Thallium	0.00035	U	0.0010	0.00035	mg/L		08/08/25 09:33	08/08/25 19:55	1
Potassium	**740**		13	0.93	mg/L		08/08/25 09:33	08/08/25 19:58	50

Client Sample ID: CCR-5-20250805
Lab Sample ID: 670-68175-3
Date Collected: 08/05/25 11:09
Matrix: Water
Date Received: 08/08/25 07:30

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00040	0.00020	mg/L		08/08/25 15:37	08/12/25 12:04	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity as CaCO3 to pH 4.5 (SM 2320B-2011)	53		10	10	mg/L			08/13/25 13:29	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	53		10	10	mg/L			08/13/25 13:29	1
Total Dissolved Solids (SM 2540C - 2015)	10000		25	25	mg/L			08/12/25 16:10	1
Fluoride (SM 4500 F C)	0.074	I	0.10	0.022	mg/L			08/12/25 16:10	1

Client Sample ID: CCR-6-20250805
Lab Sample ID: 670-68175-4
Date Collected: 08/05/25 14:14
Matrix: Water
Date Received: 08/08/25 07:30

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	24		2.0	1.0	mg/L			08/11/25 23:16	5
Sulfate	290		5.0	2.5	mg/L			08/11/25 23:16	5

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	190		0.50	0.058	mg/L		08/08/25 09:35	08/08/25 15:43	1
Magnesium	6.8		1.0	0.058	mg/L		08/08/25 09:35	08/08/25 15:43	1
Sodium	8.7		0.50	0.13	mg/L		08/08/25 09:35	08/08/25 15:43	1
Lithium	0.018	U	0.020	0.018	mg/L		08/08/25 09:35	08/08/25 15:43	1
Chromium	0.0049	U	0.010	0.0049	mg/L		08/08/25 09:35	08/08/25 15:43	1
Boron	0.076		0.050	0.0035	mg/L		08/08/25 09:35	08/08/25 15:43	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.00039	U	0.0040	0.00039	mg/L		08/08/25 09:33	08/08/25 20:01	1
Antimony	0.00041	U	0.0020	0.00041	mg/L		08/08/25 09:33	08/08/25 20:01	1
Cadmium	0.00025	U	0.0020	0.00025	mg/L		08/08/25 09:33	08/08/25 20:01	1
Barium	0.0034	I	0.0040	0.00037	mg/L		08/08/25 09:33	08/08/25 20:01	1
Beryllium	0.00032	U	0.0010	0.00032	mg/L		08/08/25 09:33	08/08/25 20:01	1
Lead	0.00024	U	0.0020	0.00024	mg/L		08/08/25 09:33	08/08/25 20:01	1
Molybdenum	0.0048		0.0020	0.00025	mg/L		08/08/25 09:33	08/08/25 20:01	1
Selenium	0.00048	U	0.0040	0.00048	mg/L		08/08/25 09:33	08/08/25 20:01	1
Cobalt	0.00010	U	0.0020	0.00010	mg/L		08/08/25 09:33	08/08/25 20:01	1
Thallium	0.00035	U	0.0010	0.00035	mg/L		08/08/25 09:33	08/08/25 20:01	1
Potassium	8.5		0.25	0.019	mg/L		08/08/25 09:33	08/08/25 20:01	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00040	0.00020	mg/L		08/08/25 15:37	08/12/25 12:05	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity as CaCO3 to pH 4.5 (SM 2320B-2011)	200		10	10	mg/L			08/13/25 13:22	1

Client Sample ID: CCR-6-20250805
Lab Sample ID: 670-68175-4
Date Collected: 08/05/25 14:14
Matrix: Water
Date Received: 08/08/25 07:30

General Chemistry (Continued)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	200		10	10	mg/L			08/13/25 13:22	1
Total Dissolved Solids (SM 2540C - 2015)	710		5.0	5.0	mg/L			08/12/25 11:15	1
Fluoride (SM 4500 F C)	0.45		0.10	0.022	mg/L			08/12/25 16:12	1

Client Sample ID: CCR-7-20250806
Lab Sample ID: 670-68175-5
Date Collected: 08/06/25 13:23
Matrix: Water
Date Received: 08/08/25 07:30

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5.8		0.40	0.20	mg/L			08/11/25 23:26	1
Sulfate	110		5.0	2.5	mg/L			08/12/25 14:00	5

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	52		0.50	0.058	mg/L		08/08/25 09:35	08/08/25 15:45	1
Magnesium	3.2		1.0	0.058	mg/L		08/08/25 09:35	08/08/25 15:45	1
Sodium	3.7		0.50	0.13	mg/L		08/08/25 09:35	08/08/25 15:45	1
Lithium	0.018	U	0.020	0.018	mg/L		08/08/25 09:35	08/08/25 15:45	1
Chromium	0.0049	U	0.010	0.0049	mg/L		08/08/25 09:35	08/08/25 15:45	1
Boron	0.13		0.050	0.0035	mg/L		08/08/25 09:35	08/08/25 15:45	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.00039	U	0.0040	0.00039	mg/L		08/08/25 09:33	08/08/25 20:03	1
Antimony	0.00041	U	0.0020	0.00041	mg/L		08/08/25 09:33	08/08/25 20:03	1
Cadmium	0.00025	U	0.0020	0.00025	mg/L		08/08/25 09:33	08/08/25 20:03	1
Barium	0.0037	I	0.0040	0.00037	mg/L		08/08/25 09:33	08/08/25 20:03	1
Beryllium	0.00032	U	0.0010	0.00032	mg/L		08/08/25 09:33	08/08/25 20:03	1
Lead	0.00024	U	0.0020	0.00024	mg/L		08/08/25 09:33	08/08/25 20:03	1
Molybdenum	0.00070	I	0.0020	0.00025	mg/L		08/08/25 09:33	08/08/25 20:03	1
Selenium	0.00065	I	0.0040	0.00048	mg/L		08/08/25 09:33	08/08/25 20:03	1
Cobalt	0.00010	U	0.0020	0.00010	mg/L		08/08/25 09:33	08/08/25 20:03	1
Thallium	0.00035	U	0.0010	0.00035	mg/L		08/08/25 09:33	08/08/25 20:03	1
Potassium	11		0.25	0.019	mg/L		08/08/25 09:33	08/08/25 20:03	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00040	0.00020	mg/L		08/08/25 15:37	08/12/25 12:07	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity as CaCO3 to pH 4.5 (SM 2320B-2011)	26		10	10	mg/L			08/13/25 14:04	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	26		10	10	mg/L			08/13/25 14:04	1
Total Dissolved Solids (SM 2540C - 2015)	300		5.0	5.0	mg/L			08/13/25 11:16	1
Fluoride (SM 4500 F C)	0.063	I	0.10	0.022	mg/L			08/12/25 16:14	1

Client Sample ID: CCR-9-20250805
Lab Sample ID: 670-68175-6

Date Collected: 08/05/25 10:55
Matrix: Water
Date Received: 08/08/25 07:30

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1400**		8.0	4.0	mg/L			08/11/25 23:36	20
Sulfate	**1000**		20	10	mg/L			08/11/25 23:36	20

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**750**		0.50	0.058	mg/L		08/08/25 09:35	08/08/25 15:47	1
Magnesium	**60**		1.0	0.058	mg/L		08/08/25 09:35	08/08/25 15:47	1
Sodium	**200**		0.50	0.13	mg/L		08/08/25 09:35	08/08/25 15:47	1
Lithium	**0.058**		0.020	0.018	mg/L		08/08/25 09:35	08/08/25 15:47	1
Chromium	0.0049	U	0.010	0.0049	mg/L		08/08/25 09:35	08/08/25 15:47	1
Boron	**0.40**		0.050	0.0035	mg/L		08/08/25 09:35	08/08/25 15:47	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.010**		0.0040	0.00039	mg/L		08/08/25 09:33	08/08/25 20:08	1
Antimony	0.00041	U	0.0020	0.00041	mg/L		08/08/25 09:33	08/08/25 20:08	1
Cadmium	0.00025	U	0.0020	0.00025	mg/L		08/08/25 09:33	08/08/25 20:08	1
Barium	**0.063**		0.0040	0.00037	mg/L		08/08/25 09:33	08/08/25 20:08	1
Beryllium	0.00032	U	0.0010	0.00032	mg/L		08/08/25 09:33	08/08/25 20:08	1
Lead	0.00024	U	0.0020	0.00024	mg/L		08/08/25 09:33	08/08/25 20:08	1
Molybdenum	0.00025	U	0.0020	0.00025	mg/L		08/08/25 09:33	08/08/25 20:08	1
Selenium	0.00048	U	0.0040	0.00048	mg/L		08/08/25 09:33	08/08/25 20:08	1
Cobalt	0.00010	U	0.0020	0.00010	mg/L		08/08/25 09:33	08/08/25 20:08	1
Thallium	0.00035	U	0.0010	0.00035	mg/L		08/08/25 09:33	08/08/25 20:08	1
Potassium	**120**		2.5	0.19	mg/L		08/08/25 09:33	08/08/25 20:11	10

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00040	0.00020	mg/L		08/08/25 15:37	08/12/25 12:08	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity as CaCO3 to pH 4.5 (SM 2320B-2011)	**31**		10	10	mg/L			08/13/25 10:28	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	**31**		10	10	mg/L			08/13/25 10:28	1
Total Dissolved Solids (SM 2540C - 2015)	**3900**		25	25	mg/L			08/12/25 16:10	1
Fluoride (SM 4500 F C)	**0.17**		0.10	0.022	mg/L			08/12/25 16:17	1

Client Sample ID: CCR-11-20250806
Lab Sample ID: 670-68175-7

Date Collected: 08/06/25 14:00
Matrix: Water
Date Received: 08/08/25 07:30

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**800**		8.0	4.0	mg/L			08/11/25 23:46	20
Sulfate	**1700**		20	10	mg/L			08/11/25 23:46	20

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**610**		0.50	0.058	mg/L		08/08/25 09:35	08/08/25 15:49	1

Client Sample ID: CCR-11-20250806
Lab Sample ID: 670-68175-7

Date Collected: 08/06/25 14:00
Matrix: Water
Date Received: 08/08/25 07:30

Method: SW846 6010D - Metals (ICP) - Total Recoverable (Continued)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	**13**		1.0	0.058	mg/L		08/08/25 09:35	08/08/25 15:49	1
Sodium	**250**		0.50	0.13	mg/L		08/08/25 09:35	08/08/25 15:49	1
Lithium	0.018	U	0.020	0.018	mg/L		08/08/25 09:35	08/08/25 15:49	1
Chromium	0.0049	U	0.010	0.0049	mg/L		08/08/25 09:35	08/08/25 15:49	1
Boron	**0.38**		0.050	0.0035	mg/L		08/08/25 09:35	08/08/25 15:49	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.093**		0.0040	0.00039	mg/L		08/08/25 09:33	08/08/25 20:14	1
Antimony	0.00041	U	0.0020	0.00041	mg/L		08/08/25 09:33	08/08/25 20:14	1
Cadmium	0.00025	U	0.0020	0.00025	mg/L		08/08/25 09:33	08/08/25 20:14	1
Barium	**0.056**		0.0040	0.00037	mg/L		08/08/25 09:33	08/08/25 20:14	1
Beryllium	0.00032	U	0.0010	0.00032	mg/L		08/08/25 09:33	08/08/25 20:14	1
Lead	0.00024	U	0.0020	0.00024	mg/L		08/08/25 09:33	08/08/25 20:14	1
Molybdenum	0.00025	U	0.0020	0.00025	mg/L		08/08/25 09:33	08/08/25 20:14	1
Selenium	**0.0025**	**I**	0.0040	0.00048	mg/L		08/08/25 09:33	08/08/25 20:14	1
Cobalt	0.00010	U	0.0020	0.00010	mg/L		08/08/25 09:33	08/08/25 20:14	1
Thallium	0.00035	U	0.0010	0.00035	mg/L		08/08/25 09:33	08/08/25 20:14	1
Potassium	**380**		5.0	0.37	mg/L		08/08/25 09:33	08/08/25 20:17	20

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00040	0.00020	mg/L		08/08/25 15:37	08/12/25 12:09	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity as CaCO3 to pH 4.5 (SM 2320B-2011)	10	U	10	10	mg/L			08/13/25 09:49	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	10	U	10	10	mg/L			08/13/25 09:49	1
Total Dissolved Solids (SM 2540C - 2015)	**3700**		25	25	mg/L			08/13/25 13:00	1
Fluoride (SM 4500 F C)	**0.61**		0.10	0.022	mg/L			08/12/25 16:21	1

Client Sample ID: CCR-12-20250806
Lab Sample ID: 670-68175-8

Date Collected: 08/06/25 11:30
Matrix: Water
Date Received: 08/08/25 07:30

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**27**		4.0	2.0	mg/L			08/11/25 23:57	10
Sulfate	**1300**		20	10	mg/L			08/12/25 14:19	20

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**540**		0.50	0.058	mg/L		08/08/25 09:35	08/08/25 15:51	1
Magnesium	**6.5**		1.0	0.058	mg/L		08/08/25 09:35	08/08/25 15:51	1
Sodium	**16**		0.50	0.13	mg/L		08/08/25 09:35	08/08/25 15:51	1
Lithium	0.018	U	0.020	0.018	mg/L		08/08/25 09:35	08/08/25 15:51	1
Chromium	0.0049	U	0.010	0.0049	mg/L		08/08/25 09:35	08/08/25 15:51	1
Boron	**0.46**		0.050	0.0035	mg/L		08/08/25 09:35	08/08/25 15:51	1

Client Sample ID: CCR-12-20250806
Lab Sample ID: 670-68175-8

Date Collected: 08/06/25 11:30
Matrix: Water
Date Received: 08/08/25 07:30

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.063**		0.0040	0.00039	mg/L		08/08/25 09:33	08/08/25 20:20	1
Antimony	0.00041	U	0.0020	0.00041	mg/L		08/08/25 09:33	08/08/25 20:20	1
Cadmium	0.00025	U	0.0020	0.00025	mg/L		08/08/25 09:33	08/08/25 20:20	1
Barium	**0.025**		0.0040	0.00037	mg/L		08/08/25 09:33	08/08/25 20:20	1
Beryllium	0.00032	U	0.0010	0.00032	mg/L		08/08/25 09:33	08/08/25 20:20	1
Lead	0.00024	U	0.0020	0.00024	mg/L		08/08/25 09:33	08/08/25 20:20	1
Molybdenum	**0.013**		0.0020	0.00025	mg/L		08/08/25 09:33	08/08/25 20:20	1
Selenium	**0.0010**	**I**	0.0040	0.00048	mg/L		08/08/25 09:33	08/08/25 20:20	1
Cobalt	0.00010	U	0.0020	0.00010	mg/L		08/08/25 09:33	08/08/25 20:20	1
Thallium	0.00035	U	0.0010	0.00035	mg/L		08/08/25 09:33	08/08/25 20:20	1
Potassium	**71**		1.3	0.093	mg/L		08/08/25 09:33	08/08/25 20:23	5

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00040	0.00020	mg/L		08/08/25 15:37	08/12/25 12:11	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity as CaCO3 to pH 4.5 (SM 2320B-2011)	**270**		10	10	mg/L			08/13/25 09:46	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	**270**		10	10	mg/L			08/13/25 09:46	1
Total Dissolved Solids (SM 2540C - 2015)	**2100**		10	10	mg/L			08/13/25 13:00	1
Fluoride (SM 4500 F C)	**0.78**		0.10	0.022	mg/L			08/12/25 16:23	1

Client Sample ID: CCR-20-20250806
Lab Sample ID: 670-68175-9

Date Collected: 08/06/25 09:22
Matrix: Water
Date Received: 08/08/25 07:30

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**300**		8.0	4.0	mg/L			08/12/25 00:07	20
Sulfate	**1900**		20	10	mg/L			08/12/25 00:07	20

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**570**		0.50	0.058	mg/L		08/08/25 09:35	08/08/25 15:53	1
Magnesium	**5.3**		1.0	0.058	mg/L		08/08/25 09:35	08/08/25 15:53	1
Sodium	**92**		0.50	0.13	mg/L		08/08/25 09:35	08/08/25 15:53	1
Lithium	0.018	U	0.020	0.018	mg/L		08/08/25 09:35	08/08/25 15:53	1
Chromium	0.0049	U	0.010	0.0049	mg/L		08/08/25 09:35	08/08/25 15:53	1
Boron	**0.34**		0.050	0.0035	mg/L		08/08/25 09:35	08/08/25 15:53	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.086**		0.0040	0.00039	mg/L		08/08/25 09:33	08/08/25 20:28	1
Antimony	0.00041	U	0.0020	0.00041	mg/L		08/08/25 09:33	08/08/25 20:28	1
Cadmium	0.00025	U	0.0020	0.00025	mg/L		08/08/25 09:33	08/08/25 20:28	1
Barium	**0.055**		0.0040	0.00037	mg/L		08/08/25 09:33	08/08/25 20:28	1
Beryllium	0.00032	U	0.0010	0.00032	mg/L		08/08/25 09:33	08/08/25 20:28	1
Lead	0.00024	U	0.0020	0.00024	mg/L		08/08/25 09:33	08/08/25 20:28	1

Client Sample ID: CCR-20-20250806
Lab Sample ID: 670-68175-9

Date Collected: 08/06/25 09:22
Matrix: Water
Date Received: 08/08/25 07:30

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable (Continued)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Molybdenum	0.00025	U	0.0020	0.00025	mg/L		08/08/25 09:33	08/08/25 20:28	1
Selenium	**0.0019**	**I**	0.0040	0.00048	mg/L		08/08/25 09:33	08/08/25 20:28	1
Cobalt	0.00010	U	0.0020	0.00010	mg/L		08/08/25 09:33	08/08/25 20:28	1
Thallium	0.00035	U	0.0010	0.00035	mg/L		08/08/25 09:33	08/08/25 20:28	1
Potassium	**270**		5.0	0.37	mg/L		08/08/25 09:33	08/08/25 20:31	20

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00040	0.00020	mg/L		08/08/25 15:37	08/12/25 12:12	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity as CaCO3 to pH 4.5 (SM 2320B-2011)	10	U	10	10	mg/L			08/13/25 11:21	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	10	U	10	10	mg/L			08/13/25 11:21	1
Total Dissolved Solids (SM 2540C - 2015)	**2800**		25	25	mg/L			08/13/25 13:00	1
Fluoride (SM 4500 F C)	**0.17**		0.10	0.022	mg/L			08/12/25 16:26	1

Client Sample ID: CCR-21-20250806
Lab Sample ID: 670-68175-10

Date Collected: 08/06/25 10:46
Matrix: Water
Date Received: 08/08/25 07:30

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**15**		4.0	2.0	mg/L			08/12/25 00:17	10
Sulfate	**1200**		20	10	mg/L			08/12/25 12:44	20

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**510**		0.50	0.058	mg/L		08/08/25 09:35	08/08/25 15:56	1
Magnesium	**14**		1.0	0.058	mg/L		08/08/25 09:35	08/08/25 15:56	1
Sodium	**12**		0.50	0.13	mg/L		08/08/25 09:35	08/08/25 15:56	1
Lithium	0.018	U	0.020	0.018	mg/L		08/08/25 09:35	08/08/25 15:56	1
Chromium	0.0049	U	0.010	0.0049	mg/L		08/08/25 09:35	08/08/25 15:56	1
Boron	**0.39**		0.050	0.0035	mg/L		08/08/25 09:35	08/08/25 15:56	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0035**	**I**	0.0040	0.00039	mg/L		08/08/25 09:33	08/08/25 20:34	1
Antimony	0.00041	U	0.0020	0.00041	mg/L		08/08/25 09:33	08/08/25 20:34	1
Cadmium	0.00025	U	0.0020	0.00025	mg/L		08/08/25 09:33	08/08/25 20:34	1
Barium	**0.044**		0.0040	0.00037	mg/L		08/08/25 09:33	08/08/25 20:34	1
Beryllium	0.00032	U	0.0010	0.00032	mg/L		08/08/25 09:33	08/08/25 20:34	1
Lead	0.00024	U	0.0020	0.00024	mg/L		08/08/25 09:33	08/08/25 20:34	1
Molybdenum	**0.041**		0.0020	0.00025	mg/L		08/08/25 09:33	08/08/25 20:34	1
Selenium	0.00048	U	0.0040	0.00048	mg/L		08/08/25 09:33	08/08/25 20:34	1
Cobalt	**0.00096**	**I**	0.0020	0.00010	mg/L		08/08/25 09:33	08/08/25 20:34	1
Thallium	0.00035	U	0.0010	0.00035	mg/L		08/08/25 09:33	08/08/25 20:34	1
Potassium	**17**		0.25	0.019	mg/L		08/08/25 09:33	08/08/25 20:34	1

Client Sample ID: CCR-21-20250806
Lab Sample ID: 670-68175-10

Date Collected: 08/06/25 10:46
Matrix: Water
Date Received: 08/08/25 07:30

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00040	0.00020	mg/L		08/08/25 15:37	08/12/25 12:13	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity as CaCO3 to pH 4.5 (SM 2320B-2011)	270		10	10	mg/L			08/13/25 11:15	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	270		10	10	mg/L			08/13/25 11:15	1
Total Dissolved Solids (SM 2540C - 2015)	2000		10	10	mg/L			08/13/25 13:00	1
Fluoride (SM 4500 F C)	0.64		0.10	0.022	mg/L			08/12/25 16:34	1

Client Sample ID: CCR-22-20250806
Lab Sample ID: 670-68175-11

Date Collected: 08/06/25 09:16
Matrix: Water
Date Received: 08/08/25 07:30

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	140		4.0	2.0	mg/L			08/12/25 01:39	10
Sulfate	1400		20	10	mg/L			08/12/25 14:38	20

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	390		0.50	0.058	mg/L		08/08/25 09:35	08/08/25 16:04	1
Magnesium	17		1.0	0.058	mg/L		08/08/25 09:35	08/08/25 16:04	1
Sodium	42		0.50	0.13	mg/L		08/08/25 09:35	08/08/25 16:04	1
Lithium	0.050		0.020	0.018	mg/L		08/08/25 09:35	08/08/25 16:04	1
Chromium	0.0049	U	0.010	0.0049	mg/L		08/08/25 09:35	08/08/25 16:04	1
Boron	0.57		0.050	0.0035	mg/L		08/08/25 09:35	08/08/25 16:04	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.00039	U	0.0040	0.00039	mg/L		08/08/25 09:33	08/08/25 20:44	1
Antimony	0.00041	U	0.0020	0.00041	mg/L		08/08/25 09:33	08/08/25 20:44	1
Cadmium	0.00025	U	0.0020	0.00025	mg/L		08/08/25 09:33	08/08/25 20:44	1
Barium	0.037		0.0040	0.00037	mg/L		08/08/25 09:33	08/08/25 20:44	1
Beryllium	0.00032	U	0.0010	0.00032	mg/L		08/08/25 09:33	08/08/25 20:44	1
Lead	0.00024	U	0.0020	0.00024	mg/L		08/08/25 09:33	08/08/25 20:44	1
Molybdenum	0.00025	U	0.0020	0.00025	mg/L		08/08/25 09:33	08/08/25 20:44	1
Selenium	0.00048	U	0.0040	0.00048	mg/L		08/08/25 09:33	08/08/25 20:44	1
Cobalt	0.0016	I	0.0020	0.00010	mg/L		08/08/25 09:33	08/08/25 20:44	1
Thallium	0.00035	U	0.0010	0.00035	mg/L		08/08/25 09:33	08/08/25 20:44	1
Potassium	150		2.5	0.19	mg/L		08/08/25 09:33	08/08/25 20:47	10

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00040	0.00020	mg/L		08/08/25 15:37	08/12/25 12:19	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity as CaCO3 to pH 4.5 (SM 2320B-2011)	10	U	10	10	mg/L			08/13/25 10:12	1

Client Sample ID: CCR-22-20250806
Lab Sample ID: 670-68175-11

Date Collected: 08/06/25 09:16
Matrix: Water
Date Received: 08/08/25 07:30

General Chemistry (Continued)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	10	U	10	10	mg/L			08/13/25 10:12	1
Total Dissolved Solids (SM 2540C - 2015)	**2000**		10	10	mg/L			08/13/25 13:00	1
Fluoride (SM 4500 F C)	**0.59**		0.10	0.022	mg/L			08/12/25 16:39	1

Client Sample ID: CCR-23-20250805
Lab Sample ID: 670-68175-12

Date Collected: 08/05/25 15:13
Matrix: Water
Date Received: 08/08/25 07:30

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**170**		2.0	1.0	mg/L			08/12/25 01:49	5
Sulfate	**840**		10	5.0	mg/L			08/12/25 14:57	10

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**320**		0.50	0.058	mg/L		08/08/25 09:35	08/08/25 16:07	1
Magnesium	**30**		1.0	0.058	mg/L		08/08/25 09:35	08/08/25 16:07	1
Sodium	**58**		0.50	0.13	mg/L		08/08/25 09:35	08/08/25 16:07	1
Lithium	0.018	U	0.020	0.018	mg/L		08/08/25 09:35	08/08/25 16:07	1
Chromium	0.0049	U	0.010	0.0049	mg/L		08/08/25 09:35	08/08/25 16:07	1
Boron	**0.85**		0.050	0.0035	mg/L		08/08/25 09:35	08/08/25 16:07	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.00039	U	0.0040	0.00039	mg/L		08/08/25 09:33	08/08/25 20:50	1
Antimony	0.00041	U	0.0020	0.00041	mg/L		08/08/25 09:33	08/08/25 20:50	1
Cadmium	0.00025	U	0.0020	0.00025	mg/L		08/08/25 09:33	08/08/25 20:50	1
Barium	**0.013**		0.0040	0.00037	mg/L		08/08/25 09:33	08/08/25 20:50	1
Beryllium	0.00032	U	0.0010	0.00032	mg/L		08/08/25 09:33	08/08/25 20:50	1
Lead	0.00024	U	0.0020	0.00024	mg/L		08/08/25 09:33	08/08/25 20:50	1
Molybdenum	0.00025	U	0.0020	0.00025	mg/L		08/08/25 09:33	08/08/25 20:50	1
Selenium	0.00048	U	0.0040	0.00048	mg/L		08/08/25 09:33	08/08/25 20:50	1
Cobalt	0.00010	U	0.0020	0.00010	mg/L		08/08/25 09:33	08/08/25 20:50	1
Thallium	0.00035	U	0.0010	0.00035	mg/L		08/08/25 09:33	08/08/25 20:50	1
Potassium	**20**		0.25	0.019	mg/L		08/08/25 09:33	08/08/25 20:50	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00040	0.00020	mg/L		08/08/25 15:37	08/12/25 12:20	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity as CaCO3 to pH 4.5 (SM 2320B-2011)	**34**		10	10	mg/L			08/13/25 12:12	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	**34**		10	10	mg/L			08/13/25 12:12	1
Total Dissolved Solids (SM 2540C - 2015)	**1600**		5.0	5.0	mg/L			08/12/25 11:15	1
Fluoride (SM 4500 F C)	**0.29**		0.10	0.022	mg/L			08/12/25 16:42	1

Client Sample ID: EQB-1-20250805
Lab Sample ID: 670-68175-13
Date Collected: 08/05/25 08:30
Matrix: Water
Date Received: 08/08/25 07:30

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	0.20	U	0.40	0.20	mg/L			08/12/25 01:08	1
Sulfate	0.50	U	1.0	0.50	mg/L			08/12/25 01:08	1

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	0.058	U	0.50	0.058	mg/L		08/08/25 09:35	08/08/25 16:09	1
Magnesium	0.058	U	1.0	0.058	mg/L		08/08/25 09:35	08/08/25 16:09	1
Sodium	0.13	U	0.50	0.13	mg/L		08/08/25 09:35	08/08/25 16:09	1
Lithium	0.018	U	0.020	0.018	mg/L		08/08/25 09:35	08/08/25 16:09	1
Chromium	0.0049	U	0.010	0.0049	mg/L		08/08/25 09:35	08/08/25 16:09	1
Boron	0.0035	U	0.050	0.0035	mg/L		08/08/25 09:35	08/08/25 16:09	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.00039	U	0.0040	0.00039	mg/L		08/08/25 09:33	08/08/25 20:52	1
Antimony	0.00041	U	0.0020	0.00041	mg/L		08/08/25 09:33	08/08/25 20:52	1
Cadmium	0.00025	U	0.0020	0.00025	mg/L		08/08/25 09:33	08/08/25 20:52	1
Barium	0.00037	U	0.0040	0.00037	mg/L		08/08/25 09:33	08/08/25 20:52	1
Beryllium	0.00032	U	0.0010	0.00032	mg/L		08/08/25 09:33	08/08/25 20:52	1
Lead	0.00024	U	0.0020	0.00024	mg/L		08/08/25 09:33	08/08/25 20:52	1
Molybdenum	0.00025	U	0.0020	0.00025	mg/L		08/08/25 09:33	08/08/25 20:52	1
Selenium	0.00048	U	0.0040	0.00048	mg/L		08/08/25 09:33	08/08/25 20:52	1
Cobalt	0.00010	U	0.0020	0.00010	mg/L		08/08/25 09:33	08/08/25 20:52	1
Thallium	0.00035	U	0.0010	0.00035	mg/L		08/08/25 09:33	08/08/25 20:52	1
Potassium	**0.043**	**I**	0.25	0.019	mg/L		08/08/25 09:33	08/08/25 20:52	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00040	0.00020	mg/L		08/08/25 15:37	08/12/25 12:22	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity as CaCO3 to pH 4.5 (SM 2320B-2011)	10	U	10	10	mg/L			08/13/25 11:04	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	10	U	10	10	mg/L			08/13/25 11:04	1
Total Dissolved Solids (SM 2540C - 2015)	**24**		5.0	5.0	mg/L			08/12/25 11:15	1
Fluoride (SM 4500 F C)	0.022	U	0.10	0.022	mg/L			08/12/25 16:44	1

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 670-168743/36
Matrix: Water
Analysis Batch: 168743

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	0.20	U	0.40	0.20	mg/L			08/08/25 14:34	1

Lab Sample ID: MB 670-168743/66
Matrix: Water
Analysis Batch: 168743

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	0.20	U	0.40	0.20	mg/L			08/08/25 19:41	1

Lab Sample ID: LCS 670-168743/65
Matrix: Water
Analysis Batch: 168743

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			4.00	3.88		mg/L		97	90 - 110		

Lab Sample ID: MRL 670-168743/6
Matrix: Water
Analysis Batch: 168743

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			0.400	0.455		mg/L		114			

Lab Sample ID: 670-67905-1 MS
Matrix: Water
Analysis Batch: 168743

Client Sample ID: CCR-1-20250804
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	5.3		5.00	10.1		mg/L		97	80 - 120		

Lab Sample ID: 670-67905-1 MSD
Matrix: Water
Analysis Batch: 168743

Client Sample ID: CCR-1-20250804
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	5.3		5.00	10.2		mg/L		98	80 - 120	0	20

Lab Sample ID: 670-67905-4 MS
Matrix: Water
Analysis Batch: 168743

Client Sample ID: CCR-15-20250801
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	3.3		5.00	8.41		mg/L		102	80 - 120		

Lab Sample ID: 670-67905-4 MSD
Matrix: Water
Analysis Batch: 168743

Client Sample ID: CCR-15-20250801
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	3.3		5.00	8.38		mg/L		101	80 - 120	0	20

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 670-169040/35
Matrix: Water
Analysis Batch: 169040

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	0.20	U	0.40	0.20	mg/L			08/11/25 14:53	1
Sulfate	0.50	U	1.0	0.50	mg/L			08/11/25 14:53	1

Lab Sample ID: MB 670-169040/5
Matrix: Water
Analysis Batch: 169040

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	0.20	U	0.40	0.20	mg/L			08/11/25 09:35	1

Lab Sample ID: MB 670-169040/66
Matrix: Water
Analysis Batch: 169040

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	0.20	U	0.40	0.20	mg/L			08/11/25 20:01	1
Sulfate	0.50	U	1.0	0.50	mg/L			08/11/25 20:01	1

Lab Sample ID: MB 670-169040/97
Matrix: Water
Analysis Batch: 169040

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	0.20	U	0.40	0.20	mg/L			08/12/25 00:58	1
Sulfate	0.50	U	1.0	0.50	mg/L			08/12/25 00:58	1

Lab Sample ID: LCS 670-169040/4
Matrix: Water
Analysis Batch: 169040

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	4.00	3.91		mg/L		98	90 - 110

Lab Sample ID: LCS 670-169040/65
Matrix: Water
Analysis Batch: 169040

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	4.00	3.99		mg/L		100	90 - 110
Sulfate	10.0	10.0		mg/L		100	90 - 110

Lab Sample ID: LCS 670-169040/96
Matrix: Water
Analysis Batch: 169040

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	4.00	3.95		mg/L		99	90 - 110
Sulfate	10.0	9.97		mg/L		100	90 - 110

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: MRL 670-169040/6
Matrix: Water
Analysis Batch: 169040

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			0.400	0.373	I	mg/L		93			

Lab Sample ID: 670-68175-1 MS
Matrix: Water
Analysis Batch: 169040

Client Sample ID: CCR-8-20250805
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	4.9		5.00	9.83		mg/L		99	80 - 120		
Sulfate	93		5.00	97.3		mg/L		84	80 - 120		

Lab Sample ID: 670-68175-1 MSD
Matrix: Water
Analysis Batch: 169040

Client Sample ID: CCR-8-20250805
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	4.9		5.00	9.82		mg/L		99	80 - 120	0	20
Sulfate	93		5.00	97.3		mg/L		84	80 - 120	0	20

Lab Sample ID: 670-68175-13 MS
Matrix: Water
Analysis Batch: 169040

Client Sample ID: EQB-1-20250805
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	0.20	U	5.00	5.10		mg/L		102	80 - 120		
Sulfate	0.50	U	5.00	4.98		mg/L		100	80 - 120		

Lab Sample ID: 670-68175-13 MSD
Matrix: Water
Analysis Batch: 169040

Client Sample ID: EQB-1-20250805
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	0.20	U	5.00	5.02		mg/L		100	80 - 120	2	20
Sulfate	0.50	U	5.00	4.90		mg/L		98	80 - 120	2	20

Lab Sample ID: MB 670-169283/5
Matrix: Water
Analysis Batch: 169283

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	0.20	U	0.40	0.20	mg/L			08/12/25 10:49	1
Sulfate	0.50	U	1.0	0.50	mg/L			08/12/25 10:49	1

Lab Sample ID: LCS 670-169283/4
Matrix: Water
Analysis Batch: 169283

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			4.00	3.82		mg/L		96	90 - 110		
Sulfate			10.0	9.43		mg/L		94	90 - 110		

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: MRL 670-169283/6
Matrix: Water
Analysis Batch: 169283

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			0.400	0.444		mg/L		111			
Sulfate			1.00	1.11		mg/L		111			

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 670-168243/3-A
Matrix: Water
Analysis Batch: 168471

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 168243

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	0.052	U	0.45	0.052	mg/L		08/06/25 10:11	08/06/25 14:34	1
Magnesium	0.053	U	0.90	0.053	mg/L		08/06/25 10:11	08/06/25 14:34	1
Sodium	0.12	U	0.45	0.12	mg/L		08/06/25 10:11	08/06/25 14:34	1
Lithium	0.016	U	0.018	0.016	mg/L		08/06/25 10:11	08/06/25 14:34	1
Chromium	0.0044	U	0.0090	0.0044	mg/L		08/06/25 10:11	08/06/25 14:34	1
Boron	0.0032	U	0.045	0.0032	mg/L		08/06/25 10:11	08/06/25 14:34	1

Lab Sample ID: LCS 670-168243/1-A
Matrix: Water
Analysis Batch: 168471

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 168243

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Calcium			10.1	10.5		mg/L		104	80 - 120		
Magnesium			10.1	10.3		mg/L		102	80 - 120		
Sodium			10.1	10.5		mg/L		104	80 - 120		
Lithium			1.10	1.07		mg/L		97	80 - 120		
Chromium			0.100	0.0947		mg/L		95	80 - 120		
Boron			0.100	0.0872		mg/L		87	80 - 120		

Lab Sample ID: LCSD 670-168243/2-A
Matrix: Water
Analysis Batch: 168471

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 168243

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Calcium			10.1	10.5		mg/L		104	80 - 120	0	20
Magnesium			10.1	10.2		mg/L		101	80 - 120	1	20
Sodium			10.1	10.4		mg/L		103	80 - 120	0	20
Lithium			1.10	1.07		mg/L		97	80 - 120	0	20
Chromium			0.100	0.0943		mg/L		94	80 - 120	0	20
Boron			0.100	0.0866		mg/L		87	80 - 120	1	20

Lab Sample ID: MB 670-168781/3-A
Matrix: Water
Analysis Batch: 169042

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 168781

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	0.052	U	0.45	0.052	mg/L		08/08/25 09:35	08/08/25 15:30	1
Magnesium	0.053	U	0.90	0.053	mg/L		08/08/25 09:35	08/08/25 15:30	1
Sodium	0.12	U	0.45	0.12	mg/L		08/08/25 09:35	08/08/25 15:30	1
Lithium	0.016	U	0.018	0.016	mg/L		08/08/25 09:35	08/08/25 15:30	1

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: MB 670-168781/3-A
Matrix: Water
Analysis Batch: 169042

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 168781

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	0.0044	U	0.0090	0.0044	mg/L		08/08/25 09:35	08/08/25 15:30	1
Boron	0.0032	U	0.045	0.0032	mg/L		08/08/25 09:35	08/08/25 15:30	1

Lab Sample ID: LCS 670-168781/1-A
Matrix: Water
Analysis Batch: 169042

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 168781

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Calcium	10.1	10.4		mg/L		103	80 - 120
Magnesium	10.1	9.56		mg/L		95	80 - 120
Sodium	10.1	10.5		mg/L		104	80 - 120
Lithium	1.10	1.07		mg/L		97	80 - 120
Chromium	0.100	0.0936		mg/L		94	80 - 120
Boron	0.100	0.0930		mg/L		93	80 - 120

Lab Sample ID: LCSD 670-168781/2-A
Matrix: Water
Analysis Batch: 169042

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 168781

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Calcium	10.1	10.4		mg/L		103	80 - 120	0	20
Magnesium	10.1	9.51		mg/L		94	80 - 120	1	20
Sodium	10.1	10.5		mg/L		104	80 - 120	0	20
Lithium	1.10	1.07		mg/L		97	80 - 120	0	20
Chromium	0.100	0.0940		mg/L		94	80 - 120	0	20
Boron	0.100	0.0936		mg/L		94	80 - 120	1	20

Lab Sample ID: 670-68175-1 MS
Matrix: Water
Analysis Batch: 169042

Client Sample ID: CCR-8-20250805
Prep Type: Total Recoverable
Prep Batch: 168781

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Calcium	89		11.2	99.6		mg/L		91	70 - 120
Magnesium	2.3		11.2	12.7		mg/L		93	70 - 120
Sodium	3.5		11.2	15.0		mg/L		103	70 - 120
Lithium	0.018	U	1.22	1.20		mg/L		98	70 - 120
Chromium	0.0049	U	0.111	0.106		mg/L		95	70 - 120
Boron	0.044	I	0.111	0.151		mg/L		97	70 - 120

Lab Sample ID: 670-68175-1 MSD
Matrix: Water
Analysis Batch: 169042

Client Sample ID: CCR-8-20250805
Prep Type: Total Recoverable
Prep Batch: 168781

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Calcium	89		11.2	99.3		mg/L		89	70 - 120	0	20
Magnesium	2.3		11.2	12.7		mg/L		93	70 - 120	0	20
Sodium	3.5		11.2	15.0		mg/L		103	70 - 120	0	20
Lithium	0.018	U	1.22	1.20		mg/L		98	70 - 120	0	20
Chromium	0.0049	U	0.111	0.106		mg/L		96	70 - 120	0	20
Boron	0.044	I	0.111	0.152		mg/L		97	70 - 120	0	20

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 670-168239/3-A
Matrix: Water
Analysis Batch: 168555

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 168239

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.00035	U	0.0036	0.00035	mg/L		08/06/25 10:06	08/06/25 16:25	1
Antimony	0.00037	U	0.0018	0.00037	mg/L		08/06/25 10:06	08/06/25 16:25	1
Cadmium	0.00022	U	0.0018	0.00022	mg/L		08/06/25 10:06	08/06/25 16:25	1
Barium	0.00033	U	0.0036	0.00033	mg/L		08/06/25 10:06	08/06/25 16:25	1
Beryllium	0.00029	U	0.00090	0.00029	mg/L		08/06/25 10:06	08/06/25 16:25	1
Lead	0.00022	U	0.0018	0.00022	mg/L		08/06/25 10:06	08/06/25 16:25	1
Molybdenum	0.00022	U	0.0018	0.00022	mg/L		08/06/25 10:06	08/06/25 16:25	1
Selenium	0.00043	U	0.0036	0.00043	mg/L		08/06/25 10:06	08/06/25 16:25	1
Cobalt	0.000092	U	0.0018	0.000092	mg/L		08/06/25 10:06	08/06/25 16:25	1
Thallium	0.00031	U	0.00090	0.00031	mg/L		08/06/25 10:06	08/06/25 16:25	1
Potassium	0.017	U	0.23	0.017	mg/L		08/06/25 10:06	08/06/25 16:25	1

Lab Sample ID: LCS 670-168239/1-A
Matrix: Water
Analysis Batch: 168555

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 168239

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.100	0.0999		mg/L		100	80 - 120
Antimony	0.100	0.0899		mg/L		90	80 - 120
Cadmium	0.100	0.0903		mg/L		90	80 - 120
Barium	0.100	0.0916		mg/L		92	80 - 120
Beryllium	0.100	0.107		mg/L		107	80 - 120
Lead	0.100	0.0922		mg/L		92	80 - 120
Molybdenum	0.100	0.0971		mg/L		97	80 - 120
Selenium	0.100	0.0931		mg/L		93	80 - 120
Cobalt	0.100	0.0983		mg/L		98	80 - 120
Thallium	0.100	0.0927		mg/L		93	80 - 120
Potassium	10.1	10.1		mg/L		100	80 - 120

Lab Sample ID: LCSD 670-168239/2-A
Matrix: Water
Analysis Batch: 168555

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 168239

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	0.100	0.101		mg/L		101	80 - 120	1	20
Antimony	0.100	0.0908		mg/L		91	80 - 120	1	20
Cadmium	0.100	0.0923		mg/L		92	80 - 120	2	20
Barium	0.100	0.0911		mg/L		91	80 - 120	1	20
Beryllium	0.100	0.108		mg/L		108	80 - 120	1	20
Lead	0.100	0.0933		mg/L		93	80 - 120	1	20
Molybdenum	0.100	0.0967		mg/L		97	80 - 120	0	20
Selenium	0.100	0.0942		mg/L		94	80 - 120	1	20
Cobalt	0.100	0.0985		mg/L		98	80 - 120	0	20
Thallium	0.100	0.0934		mg/L		93	80 - 120	1	20
Potassium	10.1	9.95		mg/L		99	80 - 120	1	20

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 670-168779/3-A
Matrix: Water
Analysis Batch: 169043

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 168779

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.00035	U	0.0036	0.00035	mg/L		08/08/25 09:33	08/08/25 19:40	1
Antimony	0.000591	I	0.0018	0.00037	mg/L		08/08/25 09:33	08/08/25 19:40	1
Cadmium	0.00022	U	0.0018	0.00022	mg/L		08/08/25 09:33	08/08/25 19:40	1
Barium	0.00033	U	0.0036	0.00033	mg/L		08/08/25 09:33	08/08/25 19:40	1
Beryllium	0.00029	U	0.00090	0.00029	mg/L		08/08/25 09:33	08/08/25 19:40	1
Lead	0.00022	U	0.0018	0.00022	mg/L		08/08/25 09:33	08/08/25 19:40	1
Molybdenum	0.00022	U	0.0018	0.00022	mg/L		08/08/25 09:33	08/08/25 19:40	1
Selenium	0.00043	U	0.0036	0.00043	mg/L		08/08/25 09:33	08/08/25 19:40	1
Cobalt	0.000092	U	0.0018	0.000092	mg/L		08/08/25 09:33	08/08/25 19:40	1
Thallium	0.00031	U	0.00090	0.00031	mg/L		08/08/25 09:33	08/08/25 19:40	1
Potassium	0.017	U	0.23	0.017	mg/L		08/08/25 09:33	08/08/25 19:40	1

Lab Sample ID: LCS 670-168779/1-A
Matrix: Water
Analysis Batch: 169043

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 168779

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.100	0.0986		mg/L		99	80 - 120
Antimony	0.100	0.0885		mg/L		88	80 - 120
Cadmium	0.100	0.0925		mg/L		92	80 - 120
Barium	0.100	0.0931		mg/L		93	80 - 120
Beryllium	0.100	0.108		mg/L		108	80 - 120
Lead	0.100	0.0957		mg/L		96	80 - 120
Molybdenum	0.100	0.0971		mg/L		97	80 - 120
Selenium	0.100	0.0969		mg/L		97	80 - 120
Cobalt	0.100	0.0969		mg/L		97	80 - 120
Thallium	0.100	0.0872		mg/L		87	80 - 120
Potassium	10.1	10.1		mg/L		100	80 - 120

Lab Sample ID: LCSD 670-168779/2-A
Matrix: Water
Analysis Batch: 169043

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 168779

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	0.100	0.0995		mg/L		100	80 - 120	1	20
Antimony	0.100	0.0888		mg/L		89	80 - 120	0	20
Cadmium	0.100	0.0930		mg/L		93	80 - 120	1	20
Barium	0.100	0.0938		mg/L		94	80 - 120	1	20
Beryllium	0.100	0.107		mg/L		107	80 - 120	1	20
Lead	0.100	0.0956		mg/L		96	80 - 120	0	20
Molybdenum	0.100	0.0971		mg/L		97	80 - 120	0	20
Selenium	0.100	0.0988		mg/L		99	80 - 120	2	20
Cobalt	0.100	0.0963		mg/L		96	80 - 120	1	20
Thallium	0.100	0.0880		mg/L		88	80 - 120	1	20
Potassium	10.1	10.1		mg/L		100	80 - 120	0	20

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 670-68175-1 MS
Matrix: Water
Analysis Batch: 169043

Client Sample ID: CCR-8-20250805
Prep Type: Total Recoverable
Prep Batch: 168779

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.0027	I	0.111	0.116		mg/L		102	75 - 125
Antimony	0.00077	I V	0.111	0.101		mg/L		91	75 - 125
Cadmium	0.00025	U	0.111	0.109		mg/L		98	75 - 125
Barium	0.033		0.111	0.141		mg/L		97	75 - 125
Beryllium	0.00032	U	0.111	0.119		mg/L		107	75 - 125
Lead	0.00024	U	0.111	0.106		mg/L		96	75 - 125
Molybdenum	0.011		0.111	0.121		mg/L		99	75 - 125
Selenium	0.00048	U	0.111	0.109		mg/L		98	75 - 125
Cobalt	0.00051	I	0.111	0.106		mg/L		95	75 - 125
Thallium	0.00035	U	0.111	0.0991		mg/L		89	75 - 125
Potassium	5.0		11.2	16.8		mg/L		105	75 - 125

Lab Sample ID: 670-68175-1 MSD
Matrix: Water
Analysis Batch: 169043

Client Sample ID: CCR-8-20250805
Prep Type: Total Recoverable
Prep Batch: 168779

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	0.0027	I	0.111	0.114		mg/L		101	75 - 125	2	20
Antimony	0.00077	I V	0.111	0.103		mg/L		92	75 - 125	1	20
Cadmium	0.00025	U	0.111	0.104		mg/L		94	75 - 125	4	20
Barium	0.033		0.111	0.141		mg/L		97	75 - 125	0	20
Beryllium	0.00032	U	0.111	0.117		mg/L		106	75 - 125	1	20
Lead	0.00024	U	0.111	0.108		mg/L		97	75 - 125	1	20
Molybdenum	0.011		0.111	0.125		mg/L		102	75 - 125	3	20
Selenium	0.00048	U	0.111	0.104		mg/L		93	75 - 125	5	20
Cobalt	0.00051	I	0.111	0.105		mg/L		94	75 - 125	1	20
Thallium	0.00035	U	0.111	0.100		mg/L		90	75 - 125	1	20
Potassium	5.0		11.2	16.7		mg/L		104	75 - 125	1	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 670-168564/12-A
Matrix: Water
Analysis Batch: 168902

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 168564

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00040	0.00020	mg/L		08/07/25 12:27	08/08/25 09:23	1

Lab Sample ID: LCS 670-168564/10-A
Matrix: Water
Analysis Batch: 168902

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 168564

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00500	0.00501		mg/L		100	85 - 115

Method: 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: LCSD 670-168564/11-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 168902 — **Prep Batch: 168564**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury			0.00500	0.00490		mg/L		98	85 - 115	2	20

Lab Sample ID: MB 670-168802/12-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 169419 — **Prep Batch: 168802**

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00040	0.00020	mg/L		08/08/25 10:34	08/12/25 12:44	1

Lab Sample ID: LCS 670-168802/10-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 169419 — **Prep Batch: 168802**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury			0.00500	0.00508		mg/L		102	85 - 115		

Lab Sample ID: LCSD 670-168802/11-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 169419 — **Prep Batch: 168802**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury			0.00500	0.00509		mg/L		102	85 - 115	0	20

Lab Sample ID: MB 670-168897/12-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 169419 — **Prep Batch: 168897**

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00040	0.00020	mg/L		08/08/25 15:37	08/12/25 11:55	1

Lab Sample ID: LCS 670-168897/10-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 169419 — **Prep Batch: 168897**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury			0.00500	0.00520		mg/L		104	85 - 115		

Lab Sample ID: LCSD 670-168897/11-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 169419 — **Prep Batch: 168897**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury			0.00500	0.00511		mg/L		102	85 - 115	2	20

Lab Sample ID: 670-68175-1 MS — **Client Sample ID: CCR-8-20250805**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 169419 — **Prep Batch: 168897**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury	0.00020	U	0.00500	0.00513		mg/L		103	80 - 120		

Method: 7470A - Mercury (CVAA)

Lab Sample ID: 670-68175-1 MSD
Matrix: Water
Analysis Batch: 169419

Client Sample ID: CCR-8-20250805
Prep Type: Total/NA
Prep Batch: 168897

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.00020	U	0.00500	0.00502		mg/L		100	80 - 120	2	20

Method: 2320B-2011 - Alkalinity, Total

Lab Sample ID: MB 670-168917/4
Matrix: Water
Analysis Batch: 168917

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity as CaCO3 to pH 4.5	10	U	10	10	mg/L			08/08/25 16:19	1
Bicarbonate Alkalinity as CaCO3	10	U	10	10	mg/L			08/08/25 16:19	1

Lab Sample ID: LCS 670-168917/3
Matrix: Water
Analysis Batch: 168917

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Alkalinity as CaCO3 to pH 4.5	100	99.5		mg/L		100	90 - 110

Lab Sample ID: 670-67905-10 DU
Matrix: Water
Analysis Batch: 168917

Client Sample ID: Fish Lake-20250804
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Alkalinity as CaCO3 to pH 4.5	85		85.0		mg/L		0.4	
Bicarbonate Alkalinity as CaCO3	85		85.0		mg/L		0.4	

Lab Sample ID: MB 670-169138/4
Matrix: Water
Analysis Batch: 169138

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity as CaCO3 to pH 4.5	10	U	10	10	mg/L			08/11/25 11:54	1
Bicarbonate Alkalinity as CaCO3	10	U	10	10	mg/L			08/11/25 11:54	1

Lab Sample ID: LCS 670-169138/3
Matrix: Water
Analysis Batch: 169138

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Alkalinity as CaCO3 to pH 4.5	100	92.8		mg/L		93	90 - 110

Lab Sample ID: 670-67905-4 DU
Matrix: Water
Analysis Batch: 169138

Client Sample ID: CCR-15-20250801
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Alkalinity as CaCO3 to pH 4.5	10	U	10	U	mg/L		NC	
Bicarbonate Alkalinity as CaCO3	10	U	10	U	mg/L		NC	

Method: 2320B-2011 - Alkalinity, Total (Continued)

Lab Sample ID: MB 670-169756/31
Matrix: Water
Analysis Batch: 169756

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity as CaCO3 to pH 4.5	10	U	10	10	mg/L			08/13/25 11:46	1
Bicarbonate Alkalinity as CaCO3	10	U	10	10	mg/L			08/13/25 11:46	1

Lab Sample ID: MB 670-169756/4
Matrix: Water
Analysis Batch: 169756

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity as CaCO3 to pH 4.5	10	U	10	10	mg/L			08/13/25 09:03	1
Bicarbonate Alkalinity as CaCO3	10	U	10	10	mg/L			08/13/25 09:03	1

Lab Sample ID: LCS 670-169756/3
Matrix: Water
Analysis Batch: 169756

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Alkalinity as CaCO3 to pH 4.5	100	96.0		mg/L		96	90 - 110

Lab Sample ID: LCS 670-169756/30
Matrix: Water
Analysis Batch: 169756

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Alkalinity as CaCO3 to pH 4.5	100	95.9		mg/L		96	90 - 110

Lab Sample ID: MB 670-170062/4
Matrix: Water
Analysis Batch: 170062

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity as CaCO3 to pH 4.5	10	U	10	10	mg/L			08/14/25 12:12	1
Bicarbonate Alkalinity as CaCO3	10	U	10	10	mg/L			08/14/25 12:12	1

Lab Sample ID: LCS 670-170062/3
Matrix: Water
Analysis Batch: 170062

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Alkalinity as CaCO3 to pH 4.5	100	98.6		mg/L		99	90 - 110

Lab Sample ID: MB 670-170363/4
Matrix: Water
Analysis Batch: 170363

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity as CaCO3 to pH 4.5	10	U	10	10	mg/L			08/15/25 14:28	1
Bicarbonate Alkalinity as CaCO3	10	U	10	10	mg/L			08/15/25 14:28	1

Method: 2320B-2011 - Alkalinity, Total (Continued)

Lab Sample ID: LCS 670-170363/3
Matrix: Water
Analysis Batch: 170363

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Alkalinity as CaCO3 to pH 4.5	100	104		mg/L		104	90 - 110

Method: 2540C - 2015 - Total Dissolved Solids (Dried at 180 °C)

Lab Sample ID: MB 670-168847/1
Matrix: Water
Analysis Batch: 168847

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	5.0	U	5.0	5.0	mg/L			08/08/25 12:29	1

Lab Sample ID: LCS 670-168847/2
Matrix: Water
Analysis Batch: 168847

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	750	750		mg/L		100	80 - 120

Lab Sample ID: MB 670-168884/1
Matrix: Water
Analysis Batch: 168884

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	5.0	U	5.0	5.0	mg/L			08/08/25 14:47	1

Lab Sample ID: LCS 670-168884/2
Matrix: Water
Analysis Batch: 168884

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	750	750		mg/L		100	80 - 120

Lab Sample ID: MB 670-168921/1
Matrix: Water
Analysis Batch: 168921

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	5.0	U	5.0	5.0	mg/L			08/08/25 17:30	1

Lab Sample ID: LCS 670-168921/2
Matrix: Water
Analysis Batch: 168921

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	750	748		mg/L		100	80 - 120

Method: 2540C - 2015 - Total Dissolved Solids (Dried at 180 °C) (Continued)

Lab Sample ID: MB 670-169140/1
Matrix: Water
Analysis Batch: 169140

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	5.0	U	5.0	5.0	mg/L			08/11/25 13:08	1

Lab Sample ID: LCS 670-169140/2
Matrix: Water
Analysis Batch: 169140

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	750	734		mg/L		98	80 - 120

Lab Sample ID: MB 670-169337/1
Matrix: Water
Analysis Batch: 169337

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	5.0	U	5.0	5.0	mg/L			08/12/25 11:15	1

Lab Sample ID: LCS 670-169337/2
Matrix: Water
Analysis Batch: 169337

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	750	748		mg/L		100	80 - 120

Lab Sample ID: MB 670-169362/1
Matrix: Water
Analysis Batch: 169362

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	5.0	U	5.0	5.0	mg/L			08/12/25 12:13	1

Lab Sample ID: LCS 670-169362/2
Matrix: Water
Analysis Batch: 169362

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	750	744		mg/L		99	80 - 120

Lab Sample ID: MB 670-169444/1
Matrix: Water
Analysis Batch: 169444

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	5.0	U	5.0	5.0	mg/L			08/12/25 16:10	1

Lab Sample ID: LCS 670-169444/2
Matrix: Water
Analysis Batch: 169444

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	750	744		mg/L		99	80 - 120

Method: 2540C - 2015 - Total Dissolved Solids (Dried at 180 °C)

Lab Sample ID: MB 670-169669/1
Matrix: Water
Analysis Batch: 169669

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	5.0	U	5.0	5.0	mg/L			08/13/25 11:16	1

Lab Sample ID: LCS 670-169669/2
Matrix: Water
Analysis Batch: 169669

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	750	754		mg/L		101	80 - 120

Lab Sample ID: MB 670-169708/1
Matrix: Water
Analysis Batch: 169708

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	5.0	U	5.0	5.0	mg/L			08/13/25 13:00	1

Lab Sample ID: LCS 670-169708/2
Matrix: Water
Analysis Batch: 169708

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	750	744		mg/L		99	80 - 120

Method: 375.4 - Sulfate

Lab Sample ID: MB 670-168795/5
Matrix: Water
Analysis Batch: 168795

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	2.0	U	4.0	2.0	mg/L			08/07/25 13:07	1

Lab Sample ID: LCS 670-168795/3
Matrix: Water
Analysis Batch: 168795

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	20.0	19.5		mg/L		97	90 - 110

Lab Sample ID: LCSD 670-168795/4
Matrix: Water
Analysis Batch: 168795

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfate	20.0	19.4		mg/L		97	90 - 110	0	20

Method: SM 4500 F C - Fluoride

Lab Sample ID: MB 400-719285/9
Matrix: Water
Analysis Batch: 719285

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	0.022	U	0.10	0.022	mg/L			08/12/25 14:46	1

Lab Sample ID: LCS 400-719285/11
Matrix: Water
Analysis Batch: 719285

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	5.00	4.87		mg/L		97	90 - 110

Lab Sample ID: MRL 400-719285/10
Matrix: Water
Analysis Batch: 719285

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	0.100	0.102		mg/L		102	50 - 150

Lab Sample ID: 670-67905-4 DU
Matrix: Water
Analysis Batch: 719285

Client Sample ID: CCR-15-20250801
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Fluoride	0.030	I	0.0298	I	mg/L		0	4

Lab Sample ID: MB 400-719286/1
Matrix: Water
Analysis Batch: 719286

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	0.022	U	0.10	0.022	mg/L			08/12/25 15:54	1

Lab Sample ID: LCS 400-719286/3
Matrix: Water
Analysis Batch: 719286

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	5.00	5.07		mg/L		101	90 - 110

Lab Sample ID: MRL 400-719286/2
Matrix: Water
Analysis Batch: 719286

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	0.100	0.107		mg/L		106	50 - 150

Lab Sample ID: 670-68175-10 DU
Matrix: Water
Analysis Batch: 719286

Client Sample ID: CCR-21-20250806
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Fluoride	0.64		0.639		mg/L		0	4

HPLC/IC

Analysis Batch: 168743

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
670-67905-1	CCR-1-20250804	Total/NA	Water	300.0	
670-67905-2	CCR-2-20250801	Total/NA	Water	300.0	
670-67905-3	CCR-4-20250804	Total/NA	Water	300.0	
670-67905-4	CCR-15-20250801	Total/NA	Water	300.0	
670-67905-5	CCR-16-20250801	Total/NA	Water	300.0	
670-67905-6	CCR-17-20250804	Total/NA	Water	300.0	
670-67905-7	CCR-18-20250804	Total/NA	Water	300.0	
670-67905-8	CCR-19-20250804	Total/NA	Water	300.0	
670-67905-9	SW-106-20250804	Total/NA	Water	300.0	
670-67905-10	Fish Lake-20250804	Total/NA	Water	300.0	
670-67905-11	Lake D-20250804	Total/NA	Water	300.0	
MB 670-168743/36	Method Blank	Total/NA	Water	300.0	
MB 670-168743/66	Method Blank	Total/NA	Water	300.0	
LCS 670-168743/65	Lab Control Sample	Total/NA	Water	300.0	
MRL 670-168743/6	Lab Control Sample	Total/NA	Water	300.0	
670-67905-1 MS	CCR-1-20250804	Total/NA	Water	300.0	
670-67905-1 MSD	CCR-1-20250804	Total/NA	Water	300.0	
670-67905-4 MS	CCR-15-20250801	Total/NA	Water	300.0	
670-67905-4 MSD	CCR-15-20250801	Total/NA	Water	300.0	

Analysis Batch: 169040

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
670-68175-1	CCR-8-20250805	Total/NA	Water	300.0	
670-68175-2	CCR-13-20250805	Total/NA	Water	300.0	
670-68175-3	CCR-5-20250805	Total/NA	Water	300.0	
670-68175-4	CCR-6-20250805	Total/NA	Water	300.0	
670-68175-5	CCR-7-20250806	Total/NA	Water	300.0	
670-68175-6	CCR-9-20250805	Total/NA	Water	300.0	
670-68175-7	CCR-11-20250806	Total/NA	Water	300.0	
670-68175-8	CCR-12-20250806	Total/NA	Water	300.0	
670-68175-9	CCR-20-20250806	Total/NA	Water	300.0	
670-68175-10	CCR-21-20250806	Total/NA	Water	300.0	
670-68175-11	CCR-22-20250806	Total/NA	Water	300.0	
670-68175-12	CCR-23-20250805	Total/NA	Water	300.0	
670-68175-13	EQB-1-20250805	Total/NA	Water	300.0	
MB 670-169040/35	Method Blank	Total/NA	Water	300.0	
MB 670-169040/5	Method Blank	Total/NA	Water	300.0	
MB 670-169040/66	Method Blank	Total/NA	Water	300.0	
MB 670-169040/97	Method Blank	Total/NA	Water	300.0	
LCS 670-169040/4	Lab Control Sample	Total/NA	Water	300.0	
LCS 670-169040/65	Lab Control Sample	Total/NA	Water	300.0	
LCS 670-169040/96	Lab Control Sample	Total/NA	Water	300.0	
MRL 670-169040/6	Lab Control Sample	Total/NA	Water	300.0	
670-68175-1 MS	CCR-8-20250805	Total/NA	Water	300.0	
670-68175-1 MSD	CCR-8-20250805	Total/NA	Water	300.0	
670-68175-13 MS	EQB-1-20250805	Total/NA	Water	300.0	
670-68175-13 MSD	EQB-1-20250805	Total/NA	Water	300.0	

Analysis Batch: 169283

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
670-68175-2	CCR-13-20250805	Total/NA	Water	300.0	

HPLC/IC (Continued)

Analysis Batch: 169283 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
670-68175-5	CCR-7-20250806	Total/NA	Water	300.0	
670-68175-8	CCR-12-20250806	Total/NA	Water	300.0	
670-68175-10	CCR-21-20250806	Total/NA	Water	300.0	
670-68175-11	CCR-22-20250806	Total/NA	Water	300.0	
670-68175-12	CCR-23-20250805	Total/NA	Water	300.0	
MB 670-169283/5	Method Blank	Total/NA	Water	300.0	
LCS 670-169283/4	Lab Control Sample	Total/NA	Water	300.0	
MRL 670-169283/6	Lab Control Sample	Total/NA	Water	300.0	

Metals

Prep Batch: 168239

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
670-67905-1	CCR-1-20250804	Total Recoverable	Water	3005A	
670-67905-2	CCR-2-20250801	Total Recoverable	Water	3005A	
670-67905-3	CCR-4-20250804	Total Recoverable	Water	3005A	
670-67905-4	CCR-15-20250801	Total Recoverable	Water	3005A	
670-67905-5	CCR-16-20250801	Total Recoverable	Water	3005A	
670-67905-6	CCR-17-20250804	Total Recoverable	Water	3005A	
670-67905-7	CCR-18-20250804	Total Recoverable	Water	3005A	
670-67905-8	CCR-19-20250804	Total Recoverable	Water	3005A	
670-67905-9	SW-106-20250804	Total Recoverable	Water	3005A	
670-67905-10	Fish Lake-20250804	Total Recoverable	Water	3005A	
670-67905-11	Lake D-20250804	Total Recoverable	Water	3005A	
MB 670-168239/3-A	Method Blank	Total Recoverable	Water	3005A	
LCS 670-168239/1-A	Lab Control Sample	Total Recoverable	Water	3005A	
LCSD 670-168239/2-A	Lab Control Sample Dup	Total Recoverable	Water	3005A	

Prep Batch: 168243

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
670-67905-1	CCR-1-20250804	Total Recoverable	Water	3005A	
670-67905-2	CCR-2-20250801	Total Recoverable	Water	3005A	
670-67905-3	CCR-4-20250804	Total Recoverable	Water	3005A	
670-67905-4	CCR-15-20250801	Total Recoverable	Water	3005A	
670-67905-5	CCR-16-20250801	Total Recoverable	Water	3005A	
670-67905-6	CCR-17-20250804	Total Recoverable	Water	3005A	
670-67905-7	CCR-18-20250804	Total Recoverable	Water	3005A	
670-67905-8	CCR-19-20250804	Total Recoverable	Water	3005A	
670-67905-9	SW-106-20250804	Total Recoverable	Water	3005A	
670-67905-10	Fish Lake-20250804	Total Recoverable	Water	3005A	
670-67905-11	Lake D-20250804	Total Recoverable	Water	3005A	
MB 670-168243/3-A	Method Blank	Total Recoverable	Water	3005A	
LCS 670-168243/1-A	Lab Control Sample	Total Recoverable	Water	3005A	
LCSD 670-168243/2-A	Lab Control Sample Dup	Total Recoverable	Water	3005A	

Analysis Batch: 168471

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
670-67905-1	CCR-1-20250804	Total Recoverable	Water	6010D	168243
670-67905-2	CCR-2-20250801	Total Recoverable	Water	6010D	168243
670-67905-3	CCR-4-20250804	Total Recoverable	Water	6010D	168243
670-67905-3	CCR-4-20250804	Total Recoverable	Water	6010D	168243

Metals (Continued)

Analysis Batch: 168471 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
670-67905-4	CCR-15-20250801	Total Recoverable	Water	6010D	168243
670-67905-5	CCR-16-20250801	Total Recoverable	Water	6010D	168243
670-67905-6	CCR-17-20250804	Total Recoverable	Water	6010D	168243
670-67905-7	CCR-18-20250804	Total Recoverable	Water	6010D	168243
670-67905-8	CCR-19-20250804	Total Recoverable	Water	6010D	168243
670-67905-9	SW-106-20250804	Total Recoverable	Water	6010D	168243
670-67905-10	Fish Lake-20250804	Total Recoverable	Water	6010D	168243
670-67905-11	Lake D-20250804	Total Recoverable	Water	6010D	168243
MB 670-168243/3-A	Method Blank	Total Recoverable	Water	6010D	168243
LCS 670-168243/1-A	Lab Control Sample	Total Recoverable	Water	6010D	168243
LCSD 670-168243/2-A	Lab Control Sample Dup	Total Recoverable	Water	6010D	168243

Analysis Batch: 168555

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
670-67905-1	CCR-1-20250804	Total Recoverable	Water	6020B	168239
670-67905-2	CCR-2-20250801	Total Recoverable	Water	6020B	168239
670-67905-3	CCR-4-20250804	Total Recoverable	Water	6020B	168239
670-67905-4	CCR-15-20250801	Total Recoverable	Water	6020B	168239
670-67905-5	CCR-16-20250801	Total Recoverable	Water	6020B	168239
670-67905-5	CCR-16-20250801	Total Recoverable	Water	6020B	168239
670-67905-6	CCR-17-20250804	Total Recoverable	Water	6020B	168239
670-67905-7	CCR-18-20250804	Total Recoverable	Water	6020B	168239
670-67905-8	CCR-19-20250804	Total Recoverable	Water	6020B	168239
670-67905-8	CCR-19-20250804	Total Recoverable	Water	6020B	168239
670-67905-9	SW-106-20250804	Total Recoverable	Water	6020B	168239
670-67905-10	Fish Lake-20250804	Total Recoverable	Water	6020B	168239
670-67905-10	Fish Lake-20250804	Total Recoverable	Water	6020B	168239
670-67905-11	Lake D-20250804	Total Recoverable	Water	6020B	168239
MB 670-168239/3-A	Method Blank	Total Recoverable	Water	6020B	168239
LCS 670-168239/1-A	Lab Control Sample	Total Recoverable	Water	6020B	168239
LCSD 670-168239/2-A	Lab Control Sample Dup	Total Recoverable	Water	6020B	168239

Prep Batch: 168564

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
670-67905-1	CCR-1-20250804	Total/NA	Water	7470A	
670-67905-2	CCR-2-20250801	Total/NA	Water	7470A	
670-67905-3	CCR-4-20250804	Total/NA	Water	7470A	
MB 670-168564/12-A	Method Blank	Total/NA	Water	7470A	
LCS 670-168564/10-A	Lab Control Sample	Total/NA	Water	7470A	
LCSD 670-168564/11-A	Lab Control Sample Dup	Total/NA	Water	7470A	

Analysis Batch: 168721

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
670-67905-3	CCR-4-20250804	Total Recoverable	Water	6020B	168239
670-67905-5	CCR-16-20250801	Total Recoverable	Water	6020B	168239

Prep Batch: 168779

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
670-68175-1	CCR-8-20250805	Total Recoverable	Water	3005A	
670-68175-2	CCR-13-20250805	Total Recoverable	Water	3005A	
670-68175-3	CCR-5-20250805	Total Recoverable	Water	3005A	

Metals (Continued)

Prep Batch: 168779 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
670-68175-4	CCR-6-20250805	Total Recoverable	Water	3005A	
670-68175-5	CCR-7-20250806	Total Recoverable	Water	3005A	
670-68175-6	CCR-9-20250805	Total Recoverable	Water	3005A	
670-68175-7	CCR-11-20250806	Total Recoverable	Water	3005A	
670-68175-8	CCR-12-20250806	Total Recoverable	Water	3005A	
670-68175-9	CCR-20-20250806	Total Recoverable	Water	3005A	
670-68175-10	CCR-21-20250806	Total Recoverable	Water	3005A	
670-68175-11	CCR-22-20250806	Total Recoverable	Water	3005A	
670-68175-12	CCR-23-20250805	Total Recoverable	Water	3005A	
670-68175-13	EQB-1-20250805	Total Recoverable	Water	3005A	
MB 670-168779/3-A	Method Blank	Total Recoverable	Water	3005A	
LCS 670-168779/1-A	Lab Control Sample	Total Recoverable	Water	3005A	
LCSD 670-168779/2-A	Lab Control Sample Dup	Total Recoverable	Water	3005A	
670-68175-1 MS	CCR-8-20250805	Total Recoverable	Water	3005A	
670-68175-1 MSD	CCR-8-20250805	Total Recoverable	Water	3005A	

Prep Batch: 168781

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
670-68175-1	CCR-8-20250805	Total Recoverable	Water	3005A	
670-68175-2	CCR-13-20250805	Total Recoverable	Water	3005A	
670-68175-3	CCR-5-20250805	Total Recoverable	Water	3005A	
670-68175-4	CCR-6-20250805	Total Recoverable	Water	3005A	
670-68175-5	CCR-7-20250806	Total Recoverable	Water	3005A	
670-68175-6	CCR-9-20250805	Total Recoverable	Water	3005A	
670-68175-7	CCR-11-20250806	Total Recoverable	Water	3005A	
670-68175-8	CCR-12-20250806	Total Recoverable	Water	3005A	
670-68175-9	CCR-20-20250806	Total Recoverable	Water	3005A	
670-68175-10	CCR-21-20250806	Total Recoverable	Water	3005A	
670-68175-11	CCR-22-20250806	Total Recoverable	Water	3005A	
670-68175-12	CCR-23-20250805	Total Recoverable	Water	3005A	
670-68175-13	EQB-1-20250805	Total Recoverable	Water	3005A	
MB 670-168781/3-A	Method Blank	Total Recoverable	Water	3005A	
LCS 670-168781/1-A	Lab Control Sample	Total Recoverable	Water	3005A	
LCSD 670-168781/2-A	Lab Control Sample Dup	Total Recoverable	Water	3005A	
670-68175-1 MS	CCR-8-20250805	Total Recoverable	Water	3005A	
670-68175-1 MSD	CCR-8-20250805	Total Recoverable	Water	3005A	

Prep Batch: 168802

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
670-67905-4	CCR-15-20250801	Total/NA	Water	7470A	
670-67905-5	CCR-16-20250801	Total/NA	Water	7470A	
670-67905-6	CCR-17-20250804	Total/NA	Water	7470A	
670-67905-7	CCR-18-20250804	Total/NA	Water	7470A	
670-67905-8	CCR-19-20250804	Total/NA	Water	7470A	
670-67905-9	SW-106-20250804	Total/NA	Water	7470A	
670-67905-10	Fish Lake-20250804	Total/NA	Water	7470A	
670-67905-11	Lake D-20250804	Total/NA	Water	7470A	
MB 670-168802/12-A	Method Blank	Total/NA	Water	7470A	
LCS 670-168802/10-A	Lab Control Sample	Total/NA	Water	7470A	
LCSD 670-168802/11-A	Lab Control Sample Dup	Total/NA	Water	7470A	

Metals

Prep Batch: 168897

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
670-68175-1	CCR-8-20250805	Total/NA	Water	7470A	
670-68175-2	CCR-13-20250805	Total/NA	Water	7470A	
670-68175-3	CCR-5-20250805	Total/NA	Water	7470A	
670-68175-4	CCR-6-20250805	Total/NA	Water	7470A	
670-68175-5	CCR-7-20250806	Total/NA	Water	7470A	
670-68175-6	CCR-9-20250805	Total/NA	Water	7470A	
670-68175-7	CCR-11-20250806	Total/NA	Water	7470A	
670-68175-8	CCR-12-20250806	Total/NA	Water	7470A	
670-68175-9	CCR-20-20250806	Total/NA	Water	7470A	
670-68175-10	CCR-21-20250806	Total/NA	Water	7470A	
670-68175-11	CCR-22-20250806	Total/NA	Water	7470A	
670-68175-12	CCR-23-20250805	Total/NA	Water	7470A	
670-68175-13	EQB-1-20250805	Total/NA	Water	7470A	
MB 670-168897/12-A	Method Blank	Total/NA	Water	7470A	
LCS 670-168897/10-A	Lab Control Sample	Total/NA	Water	7470A	
LCSD 670-168897/11-A	Lab Control Sample Dup	Total/NA	Water	7470A	
670-68175-1 MS	CCR-8-20250805	Total/NA	Water	7470A	
670-68175-1 MSD	CCR-8-20250805	Total/NA	Water	7470A	

Analysis Batch: 168902

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
670-67905-1	CCR-1-20250804	Total/NA	Water	7470A	168564
670-67905-2	CCR-2-20250801	Total/NA	Water	7470A	168564
670-67905-3	CCR-4-20250804	Total/NA	Water	7470A	168564
MB 670-168564/12-A	Method Blank	Total/NA	Water	7470A	168564
LCS 670-168564/10-A	Lab Control Sample	Total/NA	Water	7470A	168564
LCSD 670-168564/11-A	Lab Control Sample Dup	Total/NA	Water	7470A	168564

Analysis Batch: 169042

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
670-68175-1	CCR-8-20250805	Total Recoverable	Water	6010D	168781
670-68175-2	CCR-13-20250805	Total Recoverable	Water	6010D	168781
670-68175-3	CCR-5-20250805	Total Recoverable	Water	6010D	168781
670-68175-3	CCR-5-20250805	Total Recoverable	Water	6010D	168781
670-68175-4	CCR-6-20250805	Total Recoverable	Water	6010D	168781
670-68175-5	CCR-7-20250806	Total Recoverable	Water	6010D	168781
670-68175-6	CCR-9-20250805	Total Recoverable	Water	6010D	168781
670-68175-7	CCR-11-20250806	Total Recoverable	Water	6010D	168781
670-68175-8	CCR-12-20250806	Total Recoverable	Water	6010D	168781
670-68175-9	CCR-20-20250806	Total Recoverable	Water	6010D	168781
670-68175-10	CCR-21-20250806	Total Recoverable	Water	6010D	168781
670-68175-11	CCR-22-20250806	Total Recoverable	Water	6010D	168781
670-68175-12	CCR-23-20250805	Total Recoverable	Water	6010D	168781
670-68175-13	EQB-1-20250805	Total Recoverable	Water	6010D	168781
MB 670-168781/3-A	Method Blank	Total Recoverable	Water	6010D	168781
LCS 670-168781/1-A	Lab Control Sample	Total Recoverable	Water	6010D	168781
LCSD 670-168781/2-A	Lab Control Sample Dup	Total Recoverable	Water	6010D	168781
670-68175-1 MS	CCR-8-20250805	Total Recoverable	Water	6010D	168781
670-68175-1 MSD	CCR-8-20250805	Total Recoverable	Water	6010D	168781

Metals

Analysis Batch: 169043

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
670-68175-1	CCR-8-20250805	Total Recoverable	Water	6020B	168779
670-68175-2	CCR-13-20250805	Total Recoverable	Water	6020B	168779
670-68175-3	CCR-5-20250805	Total Recoverable	Water	6020B	168779
670-68175-3	CCR-5-20250805	Total Recoverable	Water	6020B	168779
670-68175-4	CCR-6-20250805	Total Recoverable	Water	6020B	168779
670-68175-5	CCR-7-20250806	Total Recoverable	Water	6020B	168779
670-68175-6	CCR-9-20250805	Total Recoverable	Water	6020B	168779
670-68175-6	CCR-9-20250805	Total Recoverable	Water	6020B	168779
670-68175-7	CCR-11-20250806	Total Recoverable	Water	6020B	168779
670-68175-7	CCR-11-20250806	Total Recoverable	Water	6020B	168779
670-68175-8	CCR-12-20250806	Total Recoverable	Water	6020B	168779
670-68175-8	CCR-12-20250806	Total Recoverable	Water	6020B	168779
670-68175-9	CCR-20-20250806	Total Recoverable	Water	6020B	168779
670-68175-9	CCR-20-20250806	Total Recoverable	Water	6020B	168779
670-68175-10	CCR-21-20250806	Total Recoverable	Water	6020B	168779
670-68175-11	CCR-22-20250806	Total Recoverable	Water	6020B	168779
670-68175-11	CCR-22-20250806	Total Recoverable	Water	6020B	168779
670-68175-12	CCR-23-20250805	Total Recoverable	Water	6020B	168779
670-68175-13	EQB-1-20250805	Total Recoverable	Water	6020B	168779
MB 670-168779/3-A	Method Blank	Total Recoverable	Water	6020B	168779
LCS 670-168779/1-A	Lab Control Sample	Total Recoverable	Water	6020B	168779
LCSD 670-168779/2-A	Lab Control Sample Dup	Total Recoverable	Water	6020B	168779
670-68175-1 MS	CCR-8-20250805	Total Recoverable	Water	6020B	168779
670-68175-1 MSD	CCR-8-20250805	Total Recoverable	Water	6020B	168779

Analysis Batch: 169419

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
670-67905-4	CCR-15-20250801	Total/NA	Water	7470A	168802
670-67905-5	CCR-16-20250801	Total/NA	Water	7470A	168802
670-67905-6	CCR-17-20250804	Total/NA	Water	7470A	168802
670-67905-7	CCR-18-20250804	Total/NA	Water	7470A	168802
670-67905-8	CCR-19-20250804	Total/NA	Water	7470A	168802
670-67905-9	SW-106-20250804	Total/NA	Water	7470A	168802
670-67905-10	Fish Lake-20250804	Total/NA	Water	7470A	168802
670-67905-11	Lake D-20250804	Total/NA	Water	7470A	168802
670-68175-1	CCR-8-20250805	Total/NA	Water	7470A	168897
670-68175-2	CCR-13-20250805	Total/NA	Water	7470A	168897
670-68175-3	CCR-5-20250805	Total/NA	Water	7470A	168897
670-68175-4	CCR-6-20250805	Total/NA	Water	7470A	168897
670-68175-5	CCR-7-20250806	Total/NA	Water	7470A	168897
670-68175-6	CCR-9-20250805	Total/NA	Water	7470A	168897
670-68175-7	CCR-11-20250806	Total/NA	Water	7470A	168897
670-68175-8	CCR-12-20250806	Total/NA	Water	7470A	168897
670-68175-9	CCR-20-20250806	Total/NA	Water	7470A	168897
670-68175-10	CCR-21-20250806	Total/NA	Water	7470A	168897
670-68175-11	CCR-22-20250806	Total/NA	Water	7470A	168897
670-68175-12	CCR-23-20250805	Total/NA	Water	7470A	168897
670-68175-13	EQB-1-20250805	Total/NA	Water	7470A	168897
MB 670-168802/12-A	Method Blank	Total/NA	Water	7470A	168802
MB 670-168897/12-A	Method Blank	Total/NA	Water	7470A	168897
LCS 670-168802/10-A	Lab Control Sample	Total/NA	Water	7470A	168802

Metals (Continued)

Analysis Batch: 169419 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 670-168897/10-A	Lab Control Sample	Total/NA	Water	7470A	168897
LCSD 670-168802/11-A	Lab Control Sample Dup	Total/NA	Water	7470A	168802
LCSD 670-168897/11-A	Lab Control Sample Dup	Total/NA	Water	7470A	168897
670-68175-1 MS	CCR-8-20250805	Total/NA	Water	7470A	168897
670-68175-1 MSD	CCR-8-20250805	Total/NA	Water	7470A	168897

General Chemistry

Analysis Batch: 168795

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
670-67905-1	CCR-1-20250804	Total/NA	Water	375.4	
670-67905-2	CCR-2-20250801	Total/NA	Water	375.4	
670-67905-3	CCR-4-20250804	Total/NA	Water	375.4	
670-67905-4	CCR-15-20250801	Total/NA	Water	375.4	
670-67905-5	CCR-16-20250801	Total/NA	Water	375.4	
670-67905-6	CCR-17-20250804	Total/NA	Water	375.4	
670-67905-7	CCR-18-20250804	Total/NA	Water	375.4	
670-67905-8	CCR-19-20250804	Total/NA	Water	375.4	
670-67905-9	SW-106-20250804	Total/NA	Water	375.4	
670-67905-10	Fish Lake-20250804	Total/NA	Water	375.4	
670-67905-11	Lake D-20250804	Total/NA	Water	375.4	
MB 670-168795/5	Method Blank	Total/NA	Water	375.4	
LCS 670-168795/3	Lab Control Sample	Total/NA	Water	375.4	
LCSD 670-168795/4	Lab Control Sample Dup	Total/NA	Water	375.4	

Analysis Batch: 168847

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
670-67905-2	CCR-2-20250801	Total/NA	Water	2540C - 2015	
670-67905-4	CCR-15-20250801	Total/NA	Water	2540C - 2015	
MB 670-168847/1	Method Blank	Total/NA	Water	2540C - 2015	
LCS 670-168847/2	Lab Control Sample	Total/NA	Water	2540C - 2015	

Analysis Batch: 168884

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
670-67905-5	CCR-16-20250801	Total/NA	Water	2540C - 2015	
MB 670-168884/1	Method Blank	Total/NA	Water	2540C - 2015	
LCS 670-168884/2	Lab Control Sample	Total/NA	Water	2540C - 2015	

Analysis Batch: 168917

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
670-67905-10	Fish Lake-20250804	Total/NA	Water	2320B-2011	
MB 670-168917/4	Method Blank	Total/NA	Water	2320B-2011	
LCS 670-168917/3	Lab Control Sample	Total/NA	Water	2320B-2011	
670-67905-10 DU	Fish Lake-20250804	Total/NA	Water	2320B-2011	

Analysis Batch: 168921

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
670-67905-1	CCR-1-20250804	Total/NA	Water	2540C - 2015	
670-67905-3	CCR-4-20250804	Total/NA	Water	2540C - 2015	
670-67905-6	CCR-17-20250804	Total/NA	Water	2540C - 2015	
670-67905-7	CCR-18-20250804	Total/NA	Water	2540C - 2015	

General Chemistry (Continued)

Analysis Batch: 168921 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
670-67905-8	CCR-19-20250804	Total/NA	Water	2540C - 2015	
670-67905-9	SW-106-20250804	Total/NA	Water	2540C - 2015	
670-67905-11	Lake D-20250804	Total/NA	Water	2540C - 2015	
MB 670-168921/1	Method Blank	Total/NA	Water	2540C - 2015	
LCS 670-168921/2	Lab Control Sample	Total/NA	Water	2540C - 2015	

Analysis Batch: 169138

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
670-67905-4	CCR-15-20250801	Total/NA	Water	2320B-2011	
MB 670-169138/4	Method Blank	Total/NA	Water	2320B-2011	
LCS 670-169138/3	Lab Control Sample	Total/NA	Water	2320B-2011	
670-67905-4 DU	CCR-15-20250801	Total/NA	Water	2320B-2011	

Analysis Batch: 169140

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
670-67905-10	Fish Lake-20250804	Total/NA	Water	2540C - 2015	
MB 670-169140/1	Method Blank	Total/NA	Water	2540C - 2015	
LCS 670-169140/2	Lab Control Sample	Total/NA	Water	2540C - 2015	

Analysis Batch: 169337

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
670-68175-4	CCR-6-20250805	Total/NA	Water	2540C - 2015	
670-68175-12	CCR-23-20250805	Total/NA	Water	2540C - 2015	
670-68175-13	EQB-1-20250805	Total/NA	Water	2540C - 2015	
MB 670-169337/1	Method Blank	Total/NA	Water	2540C - 2015	
LCS 670-169337/2	Lab Control Sample	Total/NA	Water	2540C - 2015	

Analysis Batch: 169362

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
670-68175-1	CCR-8-20250805	Total/NA	Water	2540C - 2015	
MB 670-169362/1	Method Blank	Total/NA	Water	2540C - 2015	
LCS 670-169362/2	Lab Control Sample	Total/NA	Water	2540C - 2015	

Analysis Batch: 169444

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
670-68175-2	CCR-13-20250805	Total/NA	Water	2540C - 2015	
670-68175-3	CCR-5-20250805	Total/NA	Water	2540C - 2015	
670-68175-6	CCR-9-20250805	Total/NA	Water	2540C - 2015	
MB 670-169444/1	Method Blank	Total/NA	Water	2540C - 2015	
LCS 670-169444/2	Lab Control Sample	Total/NA	Water	2540C - 2015	

Analysis Batch: 169669

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
670-68175-5	CCR-7-20250806	Total/NA	Water	2540C - 2015	
MB 670-169669/1	Method Blank	Total/NA	Water	2540C - 2015	
LCS 670-169669/2	Lab Control Sample	Total/NA	Water	2540C - 2015	

Analysis Batch: 169708

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
670-68175-7	CCR-11-20250806	Total/NA	Water	2540C - 2015	
670-68175-8	CCR-12-20250806	Total/NA	Water	2540C - 2015	

General Chemistry (Continued)

Analysis Batch: 169708 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
670-68175-9	CCR-20-20250806	Total/NA	Water	2540C - 2015	
670-68175-10	CCR-21-20250806	Total/NA	Water	2540C - 2015	
670-68175-11	CCR-22-20250806	Total/NA	Water	2540C - 2015	
MB 670-169708/1	Method Blank	Total/NA	Water	2540C - 2015	
LCS 670-169708/2	Lab Control Sample	Total/NA	Water	2540C - 2015	

Analysis Batch: 169756

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
670-67905-5	CCR-16-20250801	Total/NA	Water	2320B-2011	
670-67905-6	CCR-17-20250804	Total/NA	Water	2320B-2011	
670-67905-7	CCR-18-20250804	Total/NA	Water	2320B-2011	
670-67905-8	CCR-19-20250804	Total/NA	Water	2320B-2011	
670-67905-11	Lake D-20250804	Total/NA	Water	2320B-2011	
670-68175-3	CCR-5-20250805	Total/NA	Water	2320B-2011	
670-68175-4	CCR-6-20250805	Total/NA	Water	2320B-2011	
670-68175-5	CCR-7-20250806	Total/NA	Water	2320B-2011	
670-68175-6	CCR-9-20250805	Total/NA	Water	2320B-2011	
670-68175-7	CCR-11-20250806	Total/NA	Water	2320B-2011	
670-68175-8	CCR-12-20250806	Total/NA	Water	2320B-2011	
670-68175-9	CCR-20-20250806	Total/NA	Water	2320B-2011	
670-68175-10	CCR-21-20250806	Total/NA	Water	2320B-2011	
670-68175-11	CCR-22-20250806	Total/NA	Water	2320B-2011	
670-68175-12	CCR-23-20250805	Total/NA	Water	2320B-2011	
670-68175-13	EQB-1-20250805	Total/NA	Water	2320B-2011	
MB 670-169756/31	Method Blank	Total/NA	Water	2320B-2011	
MB 670-169756/4	Method Blank	Total/NA	Water	2320B-2011	
LCS 670-169756/3	Lab Control Sample	Total/NA	Water	2320B-2011	
LCS 670-169756/30	Lab Control Sample	Total/NA	Water	2320B-2011	

Analysis Batch: 170062

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
670-67905-9	SW-106-20250804	Total/NA	Water	2320B-2011	
MB 670-170062/4	Method Blank	Total/NA	Water	2320B-2011	
LCS 670-170062/3	Lab Control Sample	Total/NA	Water	2320B-2011	

Analysis Batch: 170363

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 670-170363/4	Method Blank	Total/NA	Water	2320B-2011	
LCS 670-170363/3	Lab Control Sample	Total/NA	Water	2320B-2011	

Analysis Batch: 719285

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
670-67905-1	CCR-1-20250804	Total/NA	Water	SM 4500 F C	
670-67905-2	CCR-2-20250801	Total/NA	Water	SM 4500 F C	
670-67905-3	CCR-4-20250804	Total/NA	Water	SM 4500 F C	
670-67905-4	CCR-15-20250801	Total/NA	Water	SM 4500 F C	
670-67905-5	CCR-16-20250801	Total/NA	Water	SM 4500 F C	
670-67905-6	CCR-17-20250804	Total/NA	Water	SM 4500 F C	
670-67905-7	CCR-18-20250804	Total/NA	Water	SM 4500 F C	
670-67905-8	CCR-19-20250804	Total/NA	Water	SM 4500 F C	
670-67905-9	SW-106-20250804	Total/NA	Water	SM 4500 F C	

General Chemistry (Continued)

Analysis Batch: 719285 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
670-67905-10	Fish Lake-20250804	Total/NA	Water	SM 4500 F C	
670-67905-11	Lake D-20250804	Total/NA	Water	SM 4500 F C	
MB 400-719285/9	Method Blank	Total/NA	Water	SM 4500 F C	
LCS 400-719285/11	Lab Control Sample	Total/NA	Water	SM 4500 F C	
MRL 400-719285/10	Lab Control Sample	Total/NA	Water	SM 4500 F C	
670-67905-4 DU	CCR-15-20250801	Total/NA	Water	SM 4500 F C	

Analysis Batch: 719286

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
670-68175-1	CCR-8-20250805	Total/NA	Water	SM 4500 F C	
670-68175-2	CCR-13-20250805	Total/NA	Water	SM 4500 F C	
670-68175-3	CCR-5-20250805	Total/NA	Water	SM 4500 F C	
670-68175-4	CCR-6-20250805	Total/NA	Water	SM 4500 F C	
670-68175-5	CCR-7-20250806	Total/NA	Water	SM 4500 F C	
670-68175-6	CCR-9-20250805	Total/NA	Water	SM 4500 F C	
670-68175-7	CCR-11-20250806	Total/NA	Water	SM 4500 F C	
670-68175-8	CCR-12-20250806	Total/NA	Water	SM 4500 F C	
670-68175-9	CCR-20-20250806	Total/NA	Water	SM 4500 F C	
670-68175-10	CCR-21-20250806	Total/NA	Water	SM 4500 F C	
670-68175-11	CCR-22-20250806	Total/NA	Water	SM 4500 F C	
670-68175-12	CCR-23-20250805	Total/NA	Water	SM 4500 F C	
670-68175-13	EQB-1-20250805	Total/NA	Water	SM 4500 F C	
MB 400-719286/1	Method Blank	Total/NA	Water	SM 4500 F C	
LCS 400-719286/3	Lab Control Sample	Total/NA	Water	SM 4500 F C	
MRL 400-719286/2	Lab Control Sample	Total/NA	Water	SM 4500 F C	
670-68175-10 DU	CCR-21-20250806	Total/NA	Water	SM 4500 F C	

Lab Chronicle

Client: City of Lakeland
Job ID: 670-67905-1
Project/Site: Semi-annual CCR Compliance Monitoring

Client Sample ID: CCR-1-20250804
Lab Sample ID: 670-67905-1
Date Collected: 08/04/25 10:46
Matrix: Water
Date Received: 08/05/25 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	300.0		1	168743	YGS	EET ORL	08/08/25 19:51
Total Recoverable	Prep	3005A			168243	JR	EET ORL	08/06/25 10:11
Total Recoverable	Analysis	6010D		1	168471	AS	EET ORL	08/06/25 14:58
Total Recoverable	Prep	3005A			168239	JR	EET ORL	08/06/25 10:06
Total Recoverable	Analysis	6020B		1	168555	JA	EET ORL	08/06/25 16:38
Total/NA	Prep	7470A			168564	CM	EET ORL	08/07/25 12:27
Total/NA	Analysis	7470A		1	168902	EB	EET ORL	08/08/25 09:38
Total/NA	Analysis	2540C - 2015		1	168921	TG	EET ORL	08/08/25 17:30
Total/NA	Analysis	375.4		5	168795	SM	EET ORL	08/07/25 13:35
Total/NA	Analysis	SM 4500 F C		1	719285	JP	EET PEN	08/12/25 15:12

Client Sample ID: CCR-2-20250801
Lab Sample ID: 670-67905-2
Date Collected: 08/01/25 11:26
Matrix: Water
Date Received: 08/05/25 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	300.0		1	168743	YGS	EET ORL	08/08/25 20:20
Total Recoverable	Prep	3005A			168243	JR	EET ORL	08/06/25 10:11
Total Recoverable	Analysis	6010D		1	168471	AS	EET ORL	08/06/25 15:00
Total Recoverable	Prep	3005A			168239	JR	EET ORL	08/06/25 10:06
Total Recoverable	Analysis	6020B		1	168555	JA	EET ORL	08/07/25 01:57
Total/NA	Prep	7470A			168564	CM	EET ORL	08/07/25 12:27
Total/NA	Analysis	7470A		1	168902	EB	EET ORL	08/08/25 09:39
Total/NA	Analysis	2540C - 2015		1	168847	TG	EET ORL	08/08/25 12:29
Total/NA	Analysis	375.4		25	168795	SM	EET ORL	08/07/25 13:51
Total/NA	Analysis	SM 4500 F C		1	719285	JP	EET PEN	08/12/25 15:15

Client Sample ID: CCR-4-20250804
Lab Sample ID: 670-67905-3
Date Collected: 08/04/25 11:48
Matrix: Water
Date Received: 08/05/25 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	300.0		100	168743	YGS	EET ORL	08/08/25 20:30
Total Recoverable	Prep	3005A			168243	JR	EET ORL	08/06/25 10:11
Total Recoverable	Analysis	6010D		1	168471	AS	EET ORL	08/06/25 15:09
Total Recoverable	Prep	3005A			168243	JR	EET ORL	08/06/25 10:11
Total Recoverable	Analysis	6010D		10	168471	AS	EET ORL	08/06/25 16:40
Total Recoverable	Prep	3005A			168239	JR	EET ORL	08/06/25 10:06
Total Recoverable	Analysis	6020B		1	168555	JA	EET ORL	08/07/25 02:00
Total Recoverable	Prep	3005A			168239	JR	EET ORL	08/06/25 10:06
Total Recoverable	Analysis	6020B		1	168721	JA	EET ORL	08/07/25 12:15
Total/NA	Prep	7470A			168564	CM	EET ORL	08/07/25 12:27
Total/NA	Analysis	7470A		1	168902	EB	EET ORL	08/08/25 09:40
Total/NA	Analysis	2540C - 2015		1	168921	TG	EET ORL	08/08/25 17:30

Lab Chronicle

Client: City of Lakeland
Job ID: 670-67905-1
Project/Site: Semi-annual CCR Compliance Monitoring

Client Sample ID: CCR-4-20250804
Lab Sample ID: 670-67905-3

Date Collected: 08/04/25 11:48
Matrix: Water
Date Received: 08/05/25 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	375.4		40	168795	SM	EET ORL	08/07/25 14:30
Total/NA	Analysis	SM 4500 F C		1	719285	JP	EET PEN	08/12/25 15:17

Client Sample ID: CCR-15-20250801
Lab Sample ID: 670-67905-4

Date Collected: 08/01/25 11:57
Matrix: Water
Date Received: 08/05/25 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	300.0		1	168743	YGS	EET ORL	08/08/25 22:09
Total Recoverable	Prep	3005A			168243	JR	EET ORL	08/06/25 10:11
Total Recoverable	Analysis	6010D		1	168471	AS	EET ORL	08/06/25 15:11
Total Recoverable	Prep	3005A			168239	JR	EET ORL	08/06/25 10:06
Total Recoverable	Analysis	6020B		1	168555	JA	EET ORL	08/06/25 16:40
Total/NA	Prep	7470A			168802	CM	EET ORL	08/08/25 10:34
Total/NA	Analysis	7470A		1	169419	EB	EET ORL	08/12/25 13:08
Total/NA	Analysis	2320B-2011		1	169138	SM	EET ORL	08/11/25 11:57
Total/NA	Analysis	2540C - 2015		1	168847	TG	EET ORL	08/08/25 12:29
Total/NA	Analysis	375.4		1	168795	SM	EET ORL	08/07/25 13:17
Total/NA	Analysis	SM 4500 F C		1	719285	JP	EET PEN	08/12/25 15:25

Client Sample ID: CCR-16-20250801
Lab Sample ID: 670-67905-5

Date Collected: 08/01/25 11:27
Matrix: Water
Date Received: 08/05/25 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	300.0		100	168743	YGS	EET ORL	08/08/25 20:40
Total Recoverable	Prep	3005A			168243	JR	EET ORL	08/06/25 10:11
Total Recoverable	Analysis	6010D		1	168471	AS	EET ORL	08/06/25 15:13
Total Recoverable	Prep	3005A			168239	JR	EET ORL	08/06/25 10:06
Total Recoverable	Analysis	6020B		1	168555	JA	EET ORL	08/06/25 16:46
Total Recoverable	Prep	3005A			168239	JR	EET ORL	08/06/25 10:06
Total Recoverable	Analysis	6020B		50	168555	JA	EET ORL	08/06/25 16:49
Total Recoverable	Prep	3005A			168239	JR	EET ORL	08/06/25 10:06
Total Recoverable	Analysis	6020B		1	168721	JA	EET ORL	08/07/25 14:33
Total/NA	Prep	7470A			168802	CM	EET ORL	08/08/25 10:34
Total/NA	Analysis	7470A		1	169419	EB	EET ORL	08/12/25 13:09
Total/NA	Analysis	2320B-2011		1	169756	SM	EET ORL	08/13/25 09:55
Total/NA	Analysis	2540C - 2015		1	168884	TG	EET ORL	08/08/25 14:47
Total/NA	Analysis	375.4		40	168795	SM	EET ORL	08/07/25 14:31
Total/NA	Analysis	SM 4500 F C		1	719285	JP	EET PEN	08/12/25 15:31

Client Sample ID: CCR-17-20250804
Lab Sample ID: 670-67905-6

Date Collected: 08/04/25 10:51
Matrix: Water
Date Received: 08/05/25 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	300.0		5	168743	YGS	EET ORL	08/08/25 20:50
Total Recoverable	Prep	3005A			168243	JR	EET ORL	08/06/25 10:11
Total Recoverable	Analysis	6010D		1	168471	AS	EET ORL	08/06/25 15:16
Total Recoverable	Prep	3005A			168239	JR	EET ORL	08/06/25 10:06
Total Recoverable	Analysis	6020B		1	168555	JA	EET ORL	08/06/25 16:51
Total/NA	Prep	7470A			168802	CM	EET ORL	08/08/25 10:34
Total/NA	Analysis	7470A		1	169419	EB	EET ORL	08/12/25 13:11
Total/NA	Analysis	2320B-2011		1	169756	SM	EET ORL	08/13/25 09:26
Total/NA	Analysis	2540C - 2015		1	168921	TG	EET ORL	08/08/25 17:30
Total/NA	Analysis	375.4		5	168795	SM	EET ORL	08/07/25 13:38
Total/NA	Analysis	SM 4500 F C		1	719285	JP	EET PEN	08/12/25 15:34

Client Sample ID: CCR-18-20250804
Lab Sample ID: 670-67905-7

Date Collected: 08/04/25 11:36
Matrix: Water
Date Received: 08/05/25 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	300.0		2	168743	YGS	EET ORL	08/08/25 21:00
Total Recoverable	Prep	3005A			168243	JR	EET ORL	08/06/25 10:11
Total Recoverable	Analysis	6010D		1	168471	AS	EET ORL	08/06/25 15:18
Total Recoverable	Prep	3005A			168239	JR	EET ORL	08/06/25 10:06
Total Recoverable	Analysis	6020B		1	168555	JA	EET ORL	08/06/25 16:56
Total/NA	Prep	7470A			168802	CM	EET ORL	08/08/25 10:34
Total/NA	Analysis	7470A		1	169419	EB	EET ORL	08/12/25 13:12
Total/NA	Analysis	2320B-2011		1	169756	SM	EET ORL	08/13/25 09:35
Total/NA	Analysis	2540C - 2015		1	168921	TG	EET ORL	08/08/25 17:30
Total/NA	Analysis	375.4		1	168795	SM	EET ORL	08/07/25 13:18
Total/NA	Analysis	SM 4500 F C		1	719285	JP	EET PEN	08/12/25 15:36

Client Sample ID: CCR-19-20250804
Lab Sample ID: 670-67905-8

Date Collected: 08/04/25 16:15
Matrix: Water
Date Received: 08/05/25 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	300.0		40	168743	YGS	EET ORL	08/08/25 21:10
Total Recoverable	Prep	3005A			168243	JR	EET ORL	08/06/25 10:11
Total Recoverable	Analysis	6010D		1	168471	AS	EET ORL	08/06/25 15:20
Total Recoverable	Prep	3005A			168239	JR	EET ORL	08/06/25 10:06
Total Recoverable	Analysis	6020B		1	168555	JA	EET ORL	08/06/25 16:59
Total Recoverable	Prep	3005A			168239	JR	EET ORL	08/06/25 10:06
Total Recoverable	Analysis	6020B		10	168555	JA	EET ORL	08/06/25 17:02
Total/NA	Prep	7470A			168802	CM	EET ORL	08/08/25 10:34
Total/NA	Analysis	7470A		1	169419	EB	EET ORL	08/12/25 13:13
Total/NA	Analysis	2320B-2011		1	169756	SM	EET ORL	08/13/25 09:52

Lab Chronicle

Client: City of Lakeland
Job ID: 670-67905-1
Project/Site: Semi-annual CCR Compliance Monitoring

Client Sample ID: CCR-19-20250804
Lab Sample ID: 670-67905-8
Date Collected: 08/04/25 16:15
Matrix: Water
Date Received: 08/05/25 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	2540C - 2015		1	168921	TG	EET ORL	08/08/25 17:30
Total/NA	Analysis	375.4		25	168795	SM	EET ORL	08/07/25 13:52
Total/NA	Analysis	SM 4500 F C		1	719285	JP	EET PEN	08/12/25 15:39

Client Sample ID: SW-106-20250804
Lab Sample ID: 670-67905-9
Date Collected: 08/04/25 14:43
Matrix: Water
Date Received: 08/05/25 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	300.0		1	168743	YGS	EET ORL	08/08/25 21:20
Total Recoverable	Prep	3005A			168243	JR	EET ORL	08/06/25 10:11
Total Recoverable	Analysis	6010D		1	168471	AS	EET ORL	08/06/25 15:22
Total Recoverable	Prep	3005A			168239	JR	EET ORL	08/06/25 10:06
Total Recoverable	Analysis	6020B		1	168555	JA	EET ORL	08/06/25 17:07
Total/NA	Prep	7470A			168802	CM	EET ORL	08/08/25 10:34
Total/NA	Analysis	7470A		1	169419	EB	EET ORL	08/12/25 13:15
Total/NA	Analysis	2320B-2011		1	170062	SM	EET ORL	08/14/25 13:09
Total/NA	Analysis	2540C - 2015		1	168921	TG	EET ORL	08/08/25 17:30
Total/NA	Analysis	375.4		1	168795	SM	EET ORL	08/07/25 13:19
Total/NA	Analysis	SM 4500 F C		1	719285	JP	EET PEN	08/12/25 15:41

Client Sample ID: Fish Lake-20250804
Lab Sample ID: 670-67905-10
Date Collected: 08/04/25 10:05
Matrix: Water
Date Received: 08/05/25 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	300.0		2	168743	YGS	EET ORL	08/08/25 21:30
Total Recoverable	Prep	3005A			168243	JR	EET ORL	08/06/25 10:11
Total Recoverable	Analysis	6010D		1	168471	AS	EET ORL	08/06/25 15:24
Total Recoverable	Prep	3005A			168239	JR	EET ORL	08/06/25 10:06
Total Recoverable	Analysis	6020B		1	168555	JA	EET ORL	08/06/25 17:10
Total Recoverable	Prep	3005A			168239	JR	EET ORL	08/06/25 10:06
Total Recoverable	Analysis	6020B		5	168555	JA	EET ORL	08/06/25 17:13
Total/NA	Prep	7470A			168802	CM	EET ORL	08/08/25 10:34
Total/NA	Analysis	7470A		1	169419	EB	EET ORL	08/12/25 13:16
Total/NA	Analysis	2320B-2011		1	168917	SM	EET ORL	08/08/25 16:24
Total/NA	Analysis	2540C - 2015		1	169140	TG	EET ORL	08/11/25 13:08
Total/NA	Analysis	375.4		25	168795	SM	EET ORL	08/07/25 13:53
Total/NA	Analysis	SM 4500 F C		1	719285	JP	EET PEN	08/12/25 15:43

Lab Chronicle

Client: City of Lakeland
Job ID: 670-67905-1
Project/Site: Semi-annual CCR Compliance Monitoring

Client Sample ID: Lake D-20250804
Lab Sample ID: 670-67905-11
Date Collected: 08/04/25 09:16
Matrix: Water
Date Received: 08/05/25 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	300.0		2	168743	YGS	EET ORL	08/08/25 21:39
Total Recoverable	Prep	3005A			168243	JR	EET ORL	08/06/25 10:11
Total Recoverable	Analysis	6010D		1	168471	AS	EET ORL	08/06/25 15:26
Total Recoverable	Prep	3005A			168239	JR	EET ORL	08/06/25 10:06
Total Recoverable	Analysis	6020B		1	168555	JA	EET ORL	08/06/25 17:18
Total/NA	Prep	7470A			168802	CM	EET ORL	08/08/25 10:34
Total/NA	Analysis	7470A		1	169419	EB	EET ORL	08/12/25 13:17
Total/NA	Analysis	2320B-2011		1	169756	SM	EET ORL	08/13/25 10:33
Total/NA	Analysis	2540C - 2015		1	168921	TG	EET ORL	08/08/25 17:30
Total/NA	Analysis	375.4		1	168795	SM	EET ORL	08/07/25 13:20
Total/NA	Analysis	SM 4500 F C		1	719285	JP	EET PEN	08/12/25 15:45

Client Sample ID: CCR-8-20250805
Lab Sample ID: 670-68175-1
Date Collected: 08/05/25 14:57
Matrix: Water
Date Received: 08/08/25 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	300.0		1	169040	YGS	EET ORL	08/11/25 22:24
Total Recoverable	Prep	3005A			168781	JR	EET ORL	08/08/25 09:35
Total Recoverable	Analysis	6010D		1	169042	AS	EET ORL	08/08/25 15:36
Total Recoverable	Prep	3005A			168779	JR	EET ORL	08/08/25 09:33
Total Recoverable	Analysis	6020B		1	169043	EV	EET ORL	08/08/25 19:47
Total/NA	Prep	7470A			168897	CM	EET ORL	08/08/25 15:37
Total/NA	Analysis	7470A		1	169419	EB	EET ORL	08/12/25 12:01
Total/NA	Analysis	2540C - 2015		1	169362	TG	EET ORL	08/12/25 12:13
Total/NA	Analysis	SM 4500 F C		1	719286	JP	EET PEN	08/12/25 16:06

Client Sample ID: CCR-13-20250805
Lab Sample ID: 670-68175-2
Date Collected: 08/05/25 14:38
Matrix: Water
Date Received: 08/08/25 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	300.0		20	169283	YGS	EET ORL	08/12/25 13:41
Total/NA	Analysis	300.0		5	169040	YGS	EET ORL	08/11/25 22:55
Total Recoverable	Prep	3005A			168781	JR	EET ORL	08/08/25 09:35
Total Recoverable	Analysis	6010D		1	169042	AS	EET ORL	08/08/25 15:38
Total Recoverable	Prep	3005A			168779	JR	EET ORL	08/08/25 09:33
Total Recoverable	Analysis	6020B		1	169043	EV	EET ORL	08/08/25 19:50
Total/NA	Prep	7470A			168897	CM	EET ORL	08/08/25 15:37
Total/NA	Analysis	7470A		1	169419	EB	EET ORL	08/12/25 12:02
Total/NA	Analysis	2540C - 2015		1	169444	TG	EET ORL	08/12/25 16:20
Total/NA	Analysis	SM 4500 F C		1	719286	JP	EET PEN	08/12/25 16:08

Lab Chronicle

Client: City of Lakeland
Job ID: 670-67905-1
Project/Site: Semi-annual CCR Compliance Monitoring

Client Sample ID: CCR-5-20250805
Lab Sample ID: 670-68175-3
Date Collected: 08/05/25 11:09
Matrix: Water
Date Received: 08/08/25 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	300.0		100	169040	YGS	EET ORL	08/11/25 23:05
Total Recoverable	Prep	3005A			168781	JR	EET ORL	08/08/25 09:35
Total Recoverable	Analysis	6010D		1	169042	AS	EET ORL	08/08/25 15:40
Total Recoverable	Prep	3005A			168781	JR	EET ORL	08/08/25 09:35
Total Recoverable	Analysis	6010D		10	169042	AS	EET ORL	08/08/25 19:47
Total Recoverable	Prep	3005A			168779	JR	EET ORL	08/08/25 09:33
Total Recoverable	Analysis	6020B		1	169043	EV	EET ORL	08/08/25 19:55
Total Recoverable	Prep	3005A			168779	JR	EET ORL	08/08/25 09:33
Total Recoverable	Analysis	6020B		50	169043	EV	EET ORL	08/08/25 19:58
Total/NA	Prep	7470A			168897	CM	EET ORL	08/08/25 15:37
Total/NA	Analysis	7470A		1	169419	EB	EET ORL	08/12/25 12:04
Total/NA	Analysis	2320B-2011		1	169756	SM	EET ORL	08/13/25 13:29
Total/NA	Analysis	2540C - 2015		1	169444	TG	EET ORL	08/12/25 16:10
Total/NA	Analysis	SM 4500 F C		1	719286	JP	EET PEN	08/12/25 16:10

Client Sample ID: CCR-6-20250805
Lab Sample ID: 670-68175-4
Date Collected: 08/05/25 14:14
Matrix: Water
Date Received: 08/08/25 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	300.0		5	169040	YGS	EET ORL	08/11/25 23:16
Total Recoverable	Prep	3005A			168781	JR	EET ORL	08/08/25 09:35
Total Recoverable	Analysis	6010D		1	169042	AS	EET ORL	08/08/25 15:43
Total Recoverable	Prep	3005A			168779	JR	EET ORL	08/08/25 09:33
Total Recoverable	Analysis	6020B		1	169043	EV	EET ORL	08/08/25 20:01
Total/NA	Prep	7470A			168897	CM	EET ORL	08/08/25 15:37
Total/NA	Analysis	7470A		1	169419	EB	EET ORL	08/12/25 12:05
Total/NA	Analysis	2320B-2011		1	169756	SM	EET ORL	08/13/25 13:22
Total/NA	Analysis	2540C - 2015		1	169337	TG	EET ORL	08/12/25 11:15
Total/NA	Analysis	SM 4500 F C		1	719286	JP	EET PEN	08/12/25 16:12

Client Sample ID: CCR-7-20250806
Lab Sample ID: 670-68175-5
Date Collected: 08/06/25 13:23
Matrix: Water
Date Received: 08/08/25 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	300.0		5	169283	YGS	EET ORL	08/12/25 14:00
Total/NA	Analysis	300.0		1	169040	YGS	EET ORL	08/11/25 23:26
Total Recoverable	Prep	3005A			168781	JR	EET ORL	08/08/25 09:35
Total Recoverable	Analysis	6010D		1	169042	AS	EET ORL	08/08/25 15:45
Total Recoverable	Prep	3005A			168779	JR	EET ORL	08/08/25 09:33
Total Recoverable	Analysis	6020B		1	169043	EV	EET ORL	08/08/25 20:03
Total/NA	Prep	7470A			168897	CM	EET ORL	08/08/25 15:37
Total/NA	Analysis	7470A		1	169419	EB	EET ORL	08/12/25 12:07

Lab Chronicle

Client: City of Lakeland
Job ID: 670-67905-1
Project/Site: Semi-annual CCR Compliance Monitoring

Client Sample ID: CCR-7-20250806
Lab Sample ID: 670-68175-5
Date Collected: 08/06/25 13:23
Matrix: Water
Date Received: 08/08/25 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	2320B-2011		1	169756	SM	EET ORL	08/13/25 14:04
Total/NA	Analysis	2540C - 2015		1	169669	TG	EET ORL	08/13/25 11:16
Total/NA	Analysis	SM 4500 F C		1	719286	JP	EET PEN	08/12/25 16:14

Client Sample ID: CCR-9-20250805
Lab Sample ID: 670-68175-6
Date Collected: 08/05/25 10:55
Matrix: Water
Date Received: 08/08/25 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	300.0		20	169040	YGS	EET ORL	08/11/25 23:36
Total Recoverable	Prep	3005A			168781	JR	EET ORL	08/08/25 09:35
Total Recoverable	Analysis	6010D		1	169042	AS	EET ORL	08/08/25 15:47
Total Recoverable	Prep	3005A			168779	JR	EET ORL	08/08/25 09:33
Total Recoverable	Analysis	6020B		1	169043	EV	EET ORL	08/08/25 20:08
Total Recoverable	Prep	3005A			168779	JR	EET ORL	08/08/25 09:33
Total Recoverable	Analysis	6020B		10	169043	EV	EET ORL	08/08/25 20:11
Total/NA	Prep	7470A			168897	CM	EET ORL	08/08/25 15:37
Total/NA	Analysis	7470A		1	169419	EB	EET ORL	08/12/25 12:08
Total/NA	Analysis	2320B-2011		1	169756	SM	EET ORL	08/13/25 10:28
Total/NA	Analysis	2540C - 2015		1	169444	TG	EET ORL	08/12/25 16:10
Total/NA	Analysis	SM 4500 F C		1	719286	JP	EET PEN	08/12/25 16:17

Client Sample ID: CCR-11-20250806
Lab Sample ID: 670-68175-7
Date Collected: 08/06/25 14:00
Matrix: Water
Date Received: 08/08/25 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	300.0		20	169040	YGS	EET ORL	08/11/25 23:46
Total Recoverable	Prep	3005A			168781	JR	EET ORL	08/08/25 09:35
Total Recoverable	Analysis	6010D		1	169042	AS	EET ORL	08/08/25 15:49
Total Recoverable	Prep	3005A			168779	JR	EET ORL	08/08/25 09:33
Total Recoverable	Analysis	6020B		1	169043	EV	EET ORL	08/08/25 20:14
Total Recoverable	Prep	3005A			168779	JR	EET ORL	08/08/25 09:33
Total Recoverable	Analysis	6020B		20	169043	EV	EET ORL	08/08/25 20:17
Total/NA	Prep	7470A			168897	CM	EET ORL	08/08/25 15:37
Total/NA	Analysis	7470A		1	169419	EB	EET ORL	08/12/25 12:09
Total/NA	Analysis	2320B-2011		1	169756	SM	EET ORL	08/13/25 09:49
Total/NA	Analysis	2540C - 2015		1	169708	TG	EET ORL	08/13/25 13:00
Total/NA	Analysis	SM 4500 F C		1	719286	JP	EET PEN	08/12/25 16:21

Client Sample ID: CCR-12-20250806
Lab Sample ID: 670-68175-8

Date Collected: 08/06/25 11:30
Matrix: Water
Date Received: 08/08/25 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	300.0		20	169283	YGS	EET ORL	08/12/25 14:19
Total/NA	Analysis	300.0		10	169040	YGS	EET ORL	08/11/25 23:57
Total Recoverable	Prep	3005A			168781	JR	EET ORL	08/08/25 09:35
Total Recoverable	Analysis	6010D		1	169042	AS	EET ORL	08/08/25 15:51
Total Recoverable	Prep	3005A			168779	JR	EET ORL	08/08/25 09:33
Total Recoverable	Analysis	6020B		1	169043	EV	EET ORL	08/08/25 20:20
Total Recoverable	Prep	3005A			168779	JR	EET ORL	08/08/25 09:33
Total Recoverable	Analysis	6020B		5	169043	EV	EET ORL	08/08/25 20:23
Total/NA	Prep	7470A			168897	CM	EET ORL	08/08/25 15:37
Total/NA	Analysis	7470A		1	169419	EB	EET ORL	08/12/25 12:11
Total/NA	Analysis	2320B-2011		1	169756	SM	EET ORL	08/13/25 09:46
Total/NA	Analysis	2540C - 2015		1	169708	TG	EET ORL	08/13/25 13:00
Total/NA	Analysis	SM 4500 F C		1	719286	JP	EET PEN	08/12/25 16:23

Client Sample ID: CCR-20-20250806
Lab Sample ID: 670-68175-9

Date Collected: 08/06/25 09:22
Matrix: Water
Date Received: 08/08/25 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	300.0		20	169040	YGS	EET ORL	08/12/25 00:07
Total Recoverable	Prep	3005A			168781	JR	EET ORL	08/08/25 09:35
Total Recoverable	Analysis	6010D		1	169042	AS	EET ORL	08/08/25 15:53
Total Recoverable	Prep	3005A			168779	JR	EET ORL	08/08/25 09:33
Total Recoverable	Analysis	6020B		1	169043	EV	EET ORL	08/08/25 20:28
Total Recoverable	Prep	3005A			168779	JR	EET ORL	08/08/25 09:33
Total Recoverable	Analysis	6020B		20	169043	EV	EET ORL	08/08/25 20:31
Total/NA	Prep	7470A			168897	CM	EET ORL	08/08/25 15:37
Total/NA	Analysis	7470A		1	169419	EB	EET ORL	08/12/25 12:12
Total/NA	Analysis	2320B-2011		1	169756	SM	EET ORL	08/13/25 11:21
Total/NA	Analysis	2540C - 2015		1	169708	TG	EET ORL	08/13/25 13:00
Total/NA	Analysis	SM 4500 F C		1	719286	JP	EET PEN	08/12/25 16:26

Client Sample ID: CCR-21-20250806
Lab Sample ID: 670-68175-10

Date Collected: 08/06/25 10:46
Matrix: Water
Date Received: 08/08/25 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	300.0		20	169283	YGS	EET ORL	08/12/25 12:44
Total/NA	Analysis	300.0		10	169040	YGS	EET ORL	08/12/25 00:17
Total Recoverable	Prep	3005A			168781	JR	EET ORL	08/08/25 09:35
Total Recoverable	Analysis	6010D		1	169042	AS	EET ORL	08/08/25 15:56
Total Recoverable	Prep	3005A			168779	JR	EET ORL	08/08/25 09:33
Total Recoverable	Analysis	6020B		1	169043	EV	EET ORL	08/08/25 20:34

Client Sample ID: CCR-21-20250806
Lab Sample ID: 670-68175-10

Date Collected: 08/06/25 10:46
Matrix: Water
Date Received: 08/08/25 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	7470A			168897	CM	EET ORL	08/08/25 15:37
Total/NA	Analysis	7470A		1	169419	EB	EET ORL	08/12/25 12:13
Total/NA	Analysis	2320B-2011		1	169756	SM	EET ORL	08/13/25 11:15
Total/NA	Analysis	2540C - 2015		1	169708	TG	EET ORL	08/13/25 13:00
Total/NA	Analysis	SM 4500 F C		1	719286	JP	EET PEN	08/12/25 16:34

Client Sample ID: CCR-22-20250806
Lab Sample ID: 670-68175-11

Date Collected: 08/06/25 09:16
Matrix: Water
Date Received: 08/08/25 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	300.0		20	169283	YGS	EET ORL	08/12/25 14:38
Total/NA	Analysis	300.0		10	169040	YGS	EET ORL	08/12/25 01:39
Total Recoverable	Prep	3005A			168781	JR	EET ORL	08/08/25 09:35
Total Recoverable	Analysis	6010D		1	169042	AS	EET ORL	08/08/25 16:04
Total Recoverable	Prep	3005A			168779	JR	EET ORL	08/08/25 09:33
Total Recoverable	Analysis	6020B		1	169043	EV	EET ORL	08/08/25 20:44
Total Recoverable	Prep	3005A			168779	JR	EET ORL	08/08/25 09:33
Total Recoverable	Analysis	6020B		10	169043	EV	EET ORL	08/08/25 20:47
Total/NA	Prep	7470A			168897	CM	EET ORL	08/08/25 15:37
Total/NA	Analysis	7470A		1	169419	EB	EET ORL	08/12/25 12:19
Total/NA	Analysis	2320B-2011		1	169756	SM	EET ORL	08/13/25 10:12
Total/NA	Analysis	2540C - 2015		1	169708	TG	EET ORL	08/13/25 13:00
Total/NA	Analysis	SM 4500 F C		1	719286	JP	EET PEN	08/12/25 16:39

Client Sample ID: CCR-23-20250805
Lab Sample ID: 670-68175-12

Date Collected: 08/05/25 15:13
Matrix: Water
Date Received: 08/08/25 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	300.0		10	169283	YGS	EET ORL	08/12/25 14:57
Total/NA	Analysis	300.0		5	169040	YGS	EET ORL	08/12/25 01:49
Total Recoverable	Prep	3005A			168781	JR	EET ORL	08/08/25 09:35
Total Recoverable	Analysis	6010D		1	169042	AS	EET ORL	08/08/25 16:07
Total Recoverable	Prep	3005A			168779	JR	EET ORL	08/08/25 09:33
Total Recoverable	Analysis	6020B		1	169043	EV	EET ORL	08/08/25 20:50
Total/NA	Prep	7470A			168897	CM	EET ORL	08/08/25 15:37
Total/NA	Analysis	7470A		1	169419	EB	EET ORL	08/12/25 12:20
Total/NA	Analysis	2320B-2011		1	169756	SM	EET ORL	08/13/25 12:12
Total/NA	Analysis	2540C - 2015		1	169337	TG	EET ORL	08/12/25 11:15
Total/NA	Analysis	SM 4500 F C		1	719286	JP	EET PEN	08/12/25 16:42

Lab Chronicle

Client: City of Lakeland
Job ID: 670-67905-1
Project/Site: Semi-annual CCR Compliance Monitoring

Client Sample ID: EQB-1-20250805
Lab Sample ID: 670-68175-13

Date Collected: 08/05/25 08:30
Matrix: Water

Date Received: 08/08/25 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	300.0		1	169040	YGS	EET ORL	08/12/25 01:08
Total Recoverable	Prep	3005A			168781	JR	EET ORL	08/08/25 09:35
Total Recoverable	Analysis	6010D		1	169042	AS	EET ORL	08/08/25 16:09
Total Recoverable	Prep	3005A			168779	JR	EET ORL	08/08/25 09:33
Total Recoverable	Analysis	6020B		1	169043	EV	EET ORL	08/08/25 20:52
Total/NA	Prep	7470A			168897	CM	EET ORL	08/08/25 15:37
Total/NA	Analysis	7470A		1	169419	EB	EET ORL	08/12/25 12:22
Total/NA	Analysis	2320B-2011		1	169756	SM	EET ORL	08/13/25 11:04
Total/NA	Analysis	2540C - 2015		1	169337	TG	EET ORL	08/12/25 11:15
Total/NA	Analysis	SM 4500 F C		1	719286	JP	EET PEN	08/12/25 16:44

Laboratory References:

EET ORL = Eurofins Orlando, 481 Newburyport Avenue, Altamonte Springs, FL 32701, TEL (407)339-5984

EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

Accreditation/Certification Summary

Client: City of Lakeland
Job ID: 670-67905-1
Project/Site: Semi-annual CCR Compliance Monitoring

Laboratory: Eurofins Orlando

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Florida	NELAP	E83018	06-30-26

Laboratory: Eurofins Pensacola

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alabama	State	40150	06-30-26
ANAB	ISO/IEC 17025	L2471	02-22-26
Arkansas DEQ	State	88-00689	08-01-26
Florida	NELAP	E81010	06-30-26
Georgia	State	E81010(FL)	06-30-26
Illinois	NELAP	200041	10-31-26
Kansas	NELAP	E-10253	10-31-25
Kentucky (UST)	State	53	06-30-26
Louisiana (All)	NELAP	30976	06-30-26
Louisiana (DW)	State	LA017	12-31-25
North Carolina (WW/SW)	State	314	12-31-25
Oklahoma	NELAP	9810	08-14-25
Pennsylvania	NELAP	68-00467	01-31-26
South Carolina	State	96026	06-30-26
Tennessee	State	TN02907	06-30-26
Texas	NELAP	T104704286	09-30-25
US Fish & Wildlife	US Federal Programs	A22340	06-30-26
USDA	US Federal Programs	FLGNV23001	01-08-26
USDA	US Federal Programs	525-23-9-22801	01-09-26
Virginia	NELAP	460166	06-14-26
West Virginia DEP	State	136	03-31-26

Method Summary

Client: City of Lakeland
Job ID: 670-67905-1
Project/Site: Semi-annual CCR Compliance Monitoring

Method	Method Description	Protocol	Laboratory
300.0	Anions, Ion Chromatography	EPA	EET ORL
6010D	Metals (ICP)	SW846	EET ORL
6020B	Metals (ICP/MS)	SW846	EET ORL
7470A	Mercury (CVAA)	SW846	EET ORL
2320B-2011	Alkalinity, Total	SM	EET ORL
2540C - 2015	Total Dissolved Solids (Dried at 180 °C)	SM	EET ORL
375.4	Sulfate	EPA	EET ORL
SM 4500 F C	Fluoride	SM	EET PEN
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET ORL
7470A	Preparation, Mercury	SW846	EET ORL

Protocol References:

EPA = US Environmental Protection Agency

SM = "Standard Methods For The Examination Of Water And Wastewater"

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET ORL = Eurofins Orlando, 481 Newburyport Avenue, Altamonte Springs, FL 32701, TEL (407)339-5984

EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

Sample Summary

Client: City of Lakeland
Job ID: 670-67905-1
Project/Site: Semi-annual CCR Compliance Monitoring

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
670-67905-1	CCR-1-20250804	Water	08/04/25 10:46	08/05/25 15:30	Florida
670-67905-2	CCR-2-20250801	Water	08/01/25 11:26	08/05/25 15:30	Florida
670-67905-3	CCR-4-20250804	Water	08/04/25 11:48	08/05/25 15:30	Florida
670-67905-4	CCR-15-20250801	Water	08/01/25 11:57	08/05/25 15:30	Florida
670-67905-5	CCR-16-20250801	Water	08/01/25 11:27	08/05/25 15:30	Florida
670-67905-6	CCR-17-20250804	Water	08/04/25 10:51	08/05/25 15:30	Florida
670-67905-7	CCR-18-20250804	Water	08/04/25 11:36	08/05/25 15:30	Florida
670-67905-8	CCR-19-20250804	Water	08/04/25 16:15	08/05/25 15:30	Florida
670-67905-9	SW-106-20250804	Water	08/04/25 14:43	08/05/25 15:30	Florida
670-67905-10	Fish Lake-20250804	Water	08/04/25 10:05	08/05/25 15:30	Florida
670-67905-11	Lake D-20250804	Water	08/04/25 09:16	08/05/25 15:30	Florida
670-68175-1	CCR-8-20250805	Water	08/05/25 14:57	08/08/25 07:30	Florida
670-68175-2	CCR-13-20250805	Water	08/05/25 14:38	08/08/25 07:30	Florida
670-68175-3	CCR-5-20250805	Water	08/05/25 11:09	08/08/25 07:30	Florida
670-68175-4	CCR-6-20250805	Water	08/05/25 14:14	08/08/25 07:30	Florida
670-68175-5	CCR-7-20250806	Water	08/06/25 13:23	08/08/25 07:30	Florida
670-68175-6	CCR-9-20250805	Water	08/05/25 10:55	08/08/25 07:30	Florida
670-68175-7	CCR-11-20250806	Water	08/06/25 14:00	08/08/25 07:30	Florida
670-68175-8	CCR-12-20250806	Water	08/06/25 11:30	08/08/25 07:30	Florida
670-68175-9	CCR-20-20250806	Water	08/06/25 09:22	08/08/25 07:30	Florida
670-68175-10	CCR-21-20250806	Water	08/06/25 10:46	08/08/25 07:30	Florida
670-68175-11	CCR-22-20250806	Water	08/06/25 09:16	08/08/25 07:30	Florida
670-68175-12	CCR-23-20250805	Water	08/05/25 15:13	08/08/25 07:30	Florida
670-68175-13	EQB-1-20250805	Water	08/05/25 08:30	08/08/25 07:30	Florida

670-67905 Chain of Custody

Chain of Custody Record

660-Tampa

eurofins | Environment Testing

+ Rik Mathias

Client Information	Sampler	Lab PM	Carrier Tracking No(s)	COC No
Client Contact: Thomas Johnston	Olivia Hollingsworth (561)213-8580	Betancourt, Luis I E-Mail: Luis.Betancourt@et.eurofinsus.com	State of Origin: FL	660-129482-40921 1 Page: Page 1 of 3
Company: City of Lakeland	PWSID			Job #:

Address	Due Date Requested	Analysis Requested
Lakeland Electric 501 East Lemon Street	Standard	Preservation Codes: N - None; D HNO3
City: Lakeland	TAT Requested (days):	
State, Zip: FL 33801	Compliance Project: Δ Yes Δ No	
Phone: 954-802-9143(Tel)	PO #: MR-131606	
Email: Thomas.Johnston@lakelandelectric.com	WO #:	
Project Name: 2024 Semi-annual CCR Compliance	Project #: 66020486	
Site: Lakeland Electric	SSOW#:	Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	2540C_Calcd - Total Dissolved Solids	SM4500 - Cl, 4500-Fl 375.4 -Sulfate	6010D 6020B, 7470A (APP III, IV, GC Suite Metals)	2320B - Alk, BiCarb	6010D, 6020B, 7470A (APP III, IV Metals)	Total Number of containers	Special Instructions/Note
			Preservation Code:		X	X	N	N	D	N	D	X	
CCR-1 - 20250804	8/4/25	~~1005~~ 1046	G	Water	N	N	X	X			X	4	
CCR-2 - 20250801	8/1/25	1126	G	Water	"	"	X	X			X	4	
CCR-4 - 20250804	8/4/25	1148	G	Water	"	"	X	X			X	4	
~~CCR-8~~				Water			X	X			X	4	
~~CCR-13 - 20250804~~	8/4/25		G	Water			X	X			X	4	
~~CCR-5~~				Water			X	X	X	X		4	
~~CCR-6~~				Water			X	X	X	X		4	
~~CCR-7~~				Water			X	X	X	X		4	
~~CCR-9~~				Water			X	X	X	X		4	
~~CCR-11~~				Water			X	X	X	X		4	
~~CCR-12~~				Water			X	X	X	X		4	

Possible Hazard Identification
☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☑ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I II III IV Other (specify) Geosyntec EDD

Special Instructions/QC Requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment
K. Johnson	JUL 18 2025	1300	Courier

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Olivia Hollingsworth	8/5/25 1219	Geosyntec	K. JOHNSON	8-5-25 12:21P	EUROFINS
K. JOHNSON	8-5-25 3:30P	EUROFINS	SC	08/05/25, 1530	EET

Custody Seals Intact: Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks
		2 1/1.9 596

Ver 05/06/2024

8/18/2025

Eurofins Tampa
6712 Benjamin Road Suite 100
Tampa, FL 33634
Phone (813) 885-7427 Phone (813) 885-7049

Chain of Custody Record

660-Tampa

eurofins | Environment Testing

▼ Rick Mathias

Client Information	Sampler: Olivia Hollingsworth	Lab PM: Betancourt, Luis I	Carrier Tracking No(s):	COC No: 660-129482-40921 2
Client Contact: Thomas Johnston	Phone: (561) 213-8580	E-Mail: Luis.Betancourt@et.eurofinsus.com	State of Origin: FL	Page: Page 2 of 3
Company: City of Lakeland	PWSID:			Job #:
Address: Lakeland Electric 501 East Lemon Street	Due Date Requested: Standard			
City: Lakeland	TAT Requested (days):			
State, Zip: FL, 33801	Compliance Project: Δ Yes Δ No			
Phone: 954-802-9143(Tel)	PO #: MR-131606			
Email: Thomas.Johnston@lakelandelectric.com	WO #:			
Project Name: 2024 Semi-annual CCR Compliance	Project #: 66020486			
Site: Lakeland Electric	SSOW#:			

Analysis Requested

Preservation Codes
N None
D HNO3
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	2540C_Calcd Total Dissolved Solids	SM4500 - Cl, 4500-Fl, 375.4 -Sulfate	6010D, 6020B, 7470A (APP III, IV, GC Suite Metals)	2320B Alk, BiCarb	Total Number of containers	Special Instructions/Note
			Preservation Code:				N	N	D	N		
CCR-15 – 20250801	8/1/25	1157	G	Water	No	No	X	X	X	X	5	
CCR-16 – 20250801	8/1/25	1127	G	Water	"	"	X	X	X	X	5	
CCR-17 – 20250804	8/4/25	1051	G	Water	"	"	X	X	X	X	5	
CCR-18 – 20250804	8/4/25	1136	G	Water	"	"	X	X	X	X	5	
CCR-19 – 20250804	8/4/25	1615	G	Water	"	"	X	X	X	X	5	
~~CCR-20~~				Water			X	X	X	X		
~~CCR-21~~				Water			X	X	X	X		
~~CCR-22~~				Water			X	X	X	X		
~~CCR-23 – 20250804~~	8/4/25		G	Water	"	"	X	X	X	X	5	
SW-106 – 20250801	8/4/25	1443	G	Water	"	"	X	X	X	X	5	
Fish Lake – 20250804	8/4/25	1605	G	Water	"	"	X	X	X	X	5	

Possible Hazard Identification
☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☑ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, (II), III, IV, Other (specify) Geosyntec EDD

Special Instructions/QC Requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment
	JUL 18 2025	1300	Courier

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Olivia Hollingsworth	8/6/25 1219	Geosyntec	K. JOHNSON	8.5.25 12:29P	EUROFINS
K. JOHNSON	8.5.25 3:30P	EUROFINS	SC	08/05/25 1530	ET

Custody Seals Intact	Custody Seal No	Cooler Temperature(s) °C and Other Remarks
Δ Yes Δ No		

Eurofins Tampa
6712 Benjamin Road Suite 100
Tampa FL 33634
Phone (813) 885-7427 Phone (813) 885-7049

+ Kit Mathias

Chain of Custody Record

660-Tampa

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Client Information	Sampler: Olivia Hollingsworth	Lab PM: Betancourt, Luis I	Carrier Tracking No(s):	COC No.: 660-129482-40921 3
Client Contact: Thomas Johnston	Phone: (561)213-8580	E-Mail: Luis Betancourt@et.eurofinsus com	State of Origin: FL	Page: Page 3 of 3
Company: City of Lakeland	PWSID:	Analysis Requested		Job #:
Address: Lakeland Electric 501 East Lemon Street	Due Date Requested: Standard			Preservation Codes: N None; D HNO3
City: Lakeland	TAT Requested (days):			
State, Zip: FL 33801	Compliance Project: Δ Yes Δ No			
Phone: 954-802-9143(Tel)	PO #: MR-131606			
Email: Thomas Johnston@lakelandelectric.com	WO #:			
Project Name: 2024 Semi-annual CCR Compliance	Project #: 66020486			
Site: Lakeland Electric	SSOW#:			Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	2540C_Calcd - Total Dissolved Solids	SM4500 - Cl, 4500-Fl, 375.4 -Sulfate	6010D, 6020B, 7470A (APP III, IV, GC Suite Metals)	2320B - Alk, BiCarb	Total Number of containers	Special Instructions/Note
Preservation Code:							N	N	D	N		
Lake D- 20250804	8/4/25	0916	G	Water			X	X	X	X	5	
~~EQB-1~~				Water			X	X	X	X		

Possible Hazard Identification
☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☑ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify) Grosynke EDD

Special Instructions/QC Requirements

Empty Kit Relinquished by:	Date: JUL 18 2025	Time: 1300	Method of Shipment: Courier

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Olivia Hollingsworth	8/5/25 1219	Grosynke	R. JOHNSON	8-5-25 12:29P	EUROFIAN
Relinquished by: JOHNSON	8-5-25 3:30P	EUROFINS	Received by: SC	08/05/25/1550	EET
Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks: 2.1/1.9 596

Ver 05/06/2024

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6712 Benjamin Road Suite 100
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Chain of Custody Record

660-Tampa

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+ Rik Metzger

Client Information	Sampler: Olivia Hollingsworth	Lab PM: Betancourt, Luis I	Carrier Tracking No(s):	COC No: 660-129482-40921 1
Client Contact: Thomas Johnston	Phone: (561) 213-8580	E-Mail: Luis.Betancourt@et.eurofinsus.com	State of Origin: FL	Page: Page 1 of 3
Company: City of Lakeland	PWSID:			Job #:
Address: Lakeland Electric 501 East Lemon Street	Due Date Requested: Standard			
City: Lakeland	TAT Requested (days):			
State, Zip: FL 33801	Compliance Project: Δ Yes Δ No			
Phone: 954-802-9143(Tel)	PO #: MR-131606			
Email: Thomas.Johnston@lakelandelectric.com	WO #:			
Project Name: 2024 Semi-annual CCR Compliance	Project #: 66020486			
Site: Lakeland Electric	SSOW#:			

Analysis Requested

Preservation Codes: N None; D HNO3

Other:

670-68175 Chain of Custody

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	2540C_Calcd Total Dissolved Solids	SM4500 - Cl, 4500-Fl, 375.4 -Sulfate	6010D, 6020B, 7470A (APP III, IV, GC Suite Metals)	2320B - Alk, BiCarb	6010D, 6020B, 7470A (APP III, IV Metals)	Total Number of containers	Special Instructions
				Preservation Code:			N	N	D	N	D		
~~CCR-1~~				Water			X	X			X		
~~CCR-2~~				Water			X	X			X		
~~CCR-4~~				Water			X	X			X		
CCR-8 - 20250805	8/5/25	1457	G	Water			X	X			X	4	
CCR-13 - 20250805	8/5/25	1438	G	Water			X	X			X	4	
CCR-5 - 20250805	8/5/25	1109	G	Water			X	X	X	X		5	
CCR-6 - 20250805	8/5/25	1414	G	Water			X	X	X	X		5	
CCR-7 - 20250806	8/6/25	1323	G	Water			X	X	X	X		5	
CCR-9 - 20250805	8/5/25	1055	G	Water			X	X	X	X		5	
CCR 11 - 20250806	8/6/25	1400	G	Water			X	X	X	X		5	
CCR-12 - 20250806	8/6/25	1130	G	Water			X	X	X	X		5	

Possible Hazard Identification
☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☑ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I II III IV Other (specify) Geosyntec EDD

Special Instructions/QC Requirements

Empty Kit Relinquished by: LDeichman Date: JUL 18 2025 Time: 1300 Method of Shipment: Courier

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Olivia Hollingsworth	8/7/25 0832	Geosyntec	LDeichman	8.7.25 0832	EPA
LDeichman	8-7-25 1200	EPA		8 8 25 0780	

Custody Seals Intact: Δ Yes Δ No | Custody Seal No:

Cooler Temperature(s) °C and Other Remarks: 1.2° 1.0° CUR09 2 2 2 0 1 8 1 1 6

Ver 05/06/2024

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6712 Benjamin Road Suite 100
Tampa FL 33634
Phone (813) 885-7427 Phone (813) 885-7049

Chain of Custody Record

660-Tampa

eurofins | Environment Testing

+ Rick Martinez

Client Information	Sampler: Olivia Hollingsworth	Lab PM: Betancourt, Luis I	Carrier Tracking No(s):	COC No: 660-129482-40921 2
Client Contact: Thomas Johnston	Phone: (561)213-8580	E-Mail: Luis.Betancourt@et.eurofinsus.com	State of Origin: FL	Page: Page 2 of 3
Company: City of Lakeland	PWSID:			Job #:
Address: Lakeland Electric 501 East Lemon Street	Due Date Requested: Standard			
City: Lakeland	TAT Requested (days):			
State, Zip: FL 33801	Compliance Project: Δ Yes Δ No			
Phone: 954-802-9143(Tel)	PO #: MR-131606			
Email: Thomas.Johnston@lakelandelectric.com	WO #:			
Project Name: 2024 Semi-annual CCR Compliance	Project #: 66020486			
Site: Lakeland Electric	SSOW#:			

Analysis Requested

Preservation Codes: N None; D HNO3

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	2540C_Calcd Total Dissolved Solids	SM4500 - Cl, 4500-Fl 375.4 -Sulfate	6010D, 6020B 7470A (APP III, IV GC Suite Metals)	2320B - Alk, BiCarb	Total Number of containers	Special Instructions/Note
Preservation Code:							N	N	D	N		
~~CCR-15~~ @				Water			X	X	X	X		
~~CCR-16~~ @				Water			X	X	X	X		
~~CCR-17~~ @				Water			X	X	X	X		
~~CCR-18~~ @				Water			X	X	X	X		
~~CCR-19~~ @				Water			X	X	X	X		
CCR-20-20250806	8/6/25	0922	G	Water			X	X	X	X	5	
CCR-21-20250806	8/6/25	1046	G	Water			X	X	X	X	5	
CCR 22-20250806	8/6/25	0916	G	Water			X	X	X	X	5	
CCR-23-20250805	8/5/25	1513	G	Water			X	X	X	X	5	
~~SW-106~~ @				Water			X	X	X	X		
Fish Lake @				Water			X	X	X	X		

Possible Hazard Identification
☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☑ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify) Geosyntec EDD

Special Instructions/QC Requirements

Empty Kit Relinquished by: [signature] Date: JUL 18 2025 Time: 1300 Method of Shipment: Courier

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Olivia Hollingsworth	8/7/25 0832	Geosyntec	[signature]	8-7-25 0832	ETPH
[signature]	8-7-25 1700	ETPH	[signature] On	8 8 25 0730	

Custody Seals Intact: Δ Yes Δ No | Custody Seal No

Cooler Temperature(s) °C and Other Remarks: 1.2° / 1.0° CU1209

Ver 05/06/2024

Eurofins Tampa
6712 Benjamin Road Suite 100
Tampa FL 33634
Phone (813) 885-7427 Phone (813) 885-7049

Chain of Custody Record

660-Tampa

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+ Rik Mathies

Client Information	Sampler: Olivia Hollingsworth	Lab PM: Betancourt, Luis I	Carrier Tracking No(s):	COC No: 660-129482-40921 3
Client Contact: Thomas Johnston	Phone: (560) 213-8580	E-Mail: Luis.Betancourt@et.eurofinsus.com	State of Origin:	Page: Page 3 of 3
Company: City of Lakeland	PWSID:	Analysis Requested		Job #:
Address: Lakeland Electric 501 East Lemon Street	Due Date Requested: Standard			Preservation Codes: N None; D HNO3
City: Lakeland	TAT Requested (days):			
State, Zip: FL 33801	Compliance Project: Δ Yes Δ No			
Phone: 954-802-9143(Tel)	PO #: MR-131606			
Email: Thomas.Johnston@lakelandelectric.com	WO #:			
Project Name: 2024 Semi-annual CCR Compliance	Project #: 66020486			
Site: Lakeland Electric	SSOW#:			Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	2540C_Calcd Total Dissolved Solids	SM4500 - Cl, 4500-Fl, 375.4 -Sulfate	6010D, 6020B, 7470A (APP III, IV, GC Suite Metals)	2320B - Alk, BiCarb	Total Number of containers	Special Instructions/Note
			Preservation Code:		X	X	N	N	D	N	X	
Lake D				Water			X	X	X	X		
EQB-1 - 20250805	8/5/25	0830	G	Water			X	X	X	X	5	

Possible Hazard Identification
☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☑ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify) Geosyntec EDD

Special Instructions/QC Requirements

Empty Kit Relinquished by: _____ Date: JUL 18 2025 Time: 1300 Method of Shipment: Courier

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Olivia Hollingsworth	8/7/25 0832	Geosyntec		8-7-25 0832	GTPB
Relinquished by	Date/Time	Company	Received by	Date/Time	Company
	8-7-25 1700	EPA		8 6 25 0780	
Relinquished by	Date/Time	Company	Received by	Date/Time	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No:

Cooler Temperature(s) °C and Other Remarks: 1.2° 1.0° Cooler

Ver 05/06/2024

8/18/2025

Eurofins Orlando
481 Newburyport Avenue
Altamonte Springs, FL 32701
Phone: 407-339-5984 Fax: 407-260-6110

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Betancourt, Luis I	Carrier Tracking No(s): N/A	COC No: 670-57374.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Luis.Betancourt@et.eurofinsus.com	State of Origin: Florida	Page: Page 1 of 2
Company: Eurofins Environment Testing Southeast L		Accreditations Required (See note): NELAP - Florida		Job #: 670-67905-1
Address: 3355 McLemore Drive, ,	Due Date Requested: 8/13/2025			Preservation Codes: -
City: Pensacola	TAT Requested (days): N/A			
State, Zip: FL, 32514				
Phone: 850-474-1001(Tel) 850-478-2671(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Semi-annual CCR Compliance Monitoring	Project #: 66020486			
Site: N/A	SSOW#: N/A			Other: N/A

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	4500_F_CFluoride	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
CCR-1-20250804 (670-67905-1)	8/4/25	10:46 Eastern	G	Water			X	1	
CCR-2-20250801 (670-67905-2)	8/1/25	11:26 Eastern	G	Water			X	1	
CCR-4-20250804 (670-67905-3)	8/4/25	11.48 Eastern	G	Water			X	1	
CCR-15-20250801 (670-67905-4)	8/1/25	11.57 Eastern	G	Water			X	1	
CCR-16-20250801 (670-67905-5)	8/1/25	11:27 Eastern	G	Water			X	1	
CCR-17-20250804 (670-67905-6)	8/4/25	10:51 Eastern	G	Water			X	1	
CCR-18-20250804 (670-67905-7)	8/4/25	11:36 Eastern	G	Water			X	1	
CCR-19-20250804 (670-67905-8)	8/4/25	16 15 Eastern	G	Water			X	1	
SW-106-20250804 (670-67905-9)	8/4/25	14.43 Eastern	G	Water			X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Southeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed the samples must be shipped back to the Eurofins Environment Testing Southeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Southeast, LLC attention immediately If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Southeast, LLC.

Possible Hazard Identification *Unconfirmed*	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*** ☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements.

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by	Date/Time:	Company	Received by	Date/Time:	Company
	Relinquished by:	8.6.25 1700				
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 8/7/25 936	Company

Custody Seals Intact: ∆ Yes ∆ No	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks: 2.6, 3.8 IR10

Ver: 10/10/2024

8/18/2025

Eurofins Orlando
481 Newburyport Avenue
Altamonte Springs, FL 32701
Phone 407-339-5984 Fax: 407-260-6110

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Betancourt, Luis I	Carrier Tracking No(s): N/A	COC No: 670-57374.2
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Luis.Betancourt@et.eurofinsus.com	State of Origin: Florida	Page: Page 2 of 2
Company: Eurofins Environment Testing Southeast L		Accreditations Required (See note): NELAP - Florida		Job #: 670-67905-1
Address: 3355 McLemore Drive, ,	Due Date Requested: 8/13/2025			Preservation Codes: -
City: Pensacola	TAT Requested (days): N/A			
State, Zip: FL, 32514				
Phone: 850-474-1001(Tel) 850-478-2671(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Semi-annual CCR Compliance Monitoring	Project #: 66020486			
Site: N/A	SSOW#: N/A			Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	4500_F_CFluoride	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
Fish Lake-20250804 (670-67905-10)	8/4/25	10:05 Eastern	G	Water			X	1	
Lake D-20250804 (670-67905-11)	8/4/25	09:16 Eastern	G	Water			X	1	

Analysis Requested

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Southeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Southeast, LLC laboratory or other instructions will be provided Any changes to accreditation status should be brought to Eurofins Environment Testing Southeast, LLC attention immediately If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Southeast, LLC.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested I, II, III, IV, Other (specify) Primary Deliverable Rank. 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by	Date/Time:	Company	Received by	Date/Time:	Company
	8.6.25 1700				
Relinquished by	Date/Time:	Company	Received by	Date/Time:	Company
Relinquished by	Date/Time:	Company	Received by	Date/Time: 8/7/25 0920	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver 10/10/2024

Eurofins Orlando
481 Newburyport Avenue
Altamonte Springs, FL 32701
Phone: 407-339-5984 Fax: 407-260-6110

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Betancourt, Luis I	Carrier Tracking No(s): N/A	COC No: 670-57505 1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Luis.Betancourt@et.eurofinsus.com	State of Origin: Florida	Page: Page 1 of 2
Company: Eurofins Environment Testing Southeast L		Accreditations Required (See note): NELAP - Florida		Job #: 670-68175-1
Address: 3355 McLemore Drive, ,	Due Date Requested: 8/15/2025			Preservation Codes: -
City: Pensacola	TAT Requested (days): N/A			
State, Zip: FL, 32514				
Phone: 850-474-1001(Tel) 850-478-2671(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Semi-annual CCR Compliance Monitoring	Project #: 66020486			
Site: N/A	SSOW#: N/A			Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	4500_F_CFluoride	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
CCR-8-202508085 (670-68175-1)	8/5/25	14.57 Eastern	G	Water			X	1	
CCR-13-202508085 (670-68175-2)	8/5/25	14:38 Eastern	G	Water			X	1	
CCR-5-202508085 (670-68175-3)	8/5/25	11:09 Eastern	G	Water			X	1	
CCR-6-202508085 (670-68175-4)	8/5/25	14.14 Eastern	G	Water			X	1	
CCR-7-20250806 (670-68175-5)	8/6/25	13:23 Eastern	G	Water			X	1	
CCR-9-202508085 (670-68175-6)	8/5/25	10:55 Eastern	G	Water			X	1	
CCR-11-20250806 (670-68175-7)	8/6/25	14.00 Eastern	G	Water			X	1	
CCR-12-20250806 (670-68175-8)	8/6/25	11:30 Eastern	G	Water			X	1	
CCR-20-20250806 (670-68175-9)	8/6/25	09.22 Eastern	G	Water			X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Southeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Southeast, LLC laboratory or other instructions will be provided Any changes to accreditation status should be brought to Eurofins Environment Testing Southeast, LLC attention immediately If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Southeast, LLC.

Possible Hazard Identification: Unconfirmed	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month): ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested I, II, III, IV, Other (specify) Primary Deliverable Rank. 2	Special Instructions/QC Requirements.

Empty Kit Relinquished by:	Date:	Time	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	8/7/25 1700				
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 8/9/25 907	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 0.0 IR8

Ver: 10/10/2024

8/18/2025

Eurofins Orlando
481 Newburyport Avenue
Altamonte Springs, FL 32701
Phone: 407-339-5984 Fax: 407-260-6110

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Betancourt, Luis I	Carrier Tracking No(s): N/A	COC No: 670-57505.2
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Luis Betancourt@et.eurofinsus.com	State of Origin: Florida	Page: Page 2 of 2
Company: Eurofins Environment Testing Southeast L		Accreditations Required (See note): NELAP - Florida		Job #: 670-68175-1
Address: 3355 McLemore Drive, ,	Due Date Requested: 8/15/2025			Preservation Codes: -
City: Pensacola	TAT Requested (days): N/A			
State, Zip: FL, 32514				
Phone: 850-474-1001(Tel) 850-478-2671(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Semi-annual CCR Compliance Monitoring	Project #: 66020486			
Site: N/A	SSOW#: N/A			Other: N/A

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	4500_F_CFluoride	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
CCR-21-20250806 (670-68175-10)	8/6/25	10:46 Eastern	G	Water			X	1	
CCR-22-20250806 (670-68175-11)	8/6/25	09:16 Eastern	G	Water			X	1	
CCR-23-202508085 (670-68175-12)	8/5/25	15.13 Eastern	G	Water			X	1	
EQB-1-202508085 (670-68175-13)	8/5/25	08.30 Eastern	G	Water			X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Southeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Southeast, LLC laboratory or other instructions will be provided Any changes to accreditation status should be brought to Eurofins Environment Testing Southeast, LLC attention immediately If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Southeast, LLC.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested. I, II, III, IV, Other (specify) Primary Deliverable Rank. 2	Special Instructions/QC Requirements.

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by	Date/Time:	Company	Received by	Date/Time:	Company
		8.8.25 1700				
	Relinquished by	Date/Time:	Company	Received by	Date/Time:	Company
	Relinquished by	Date/Time:	Company	Received by	Date/Time: 8/9/25 907	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 10/10/2024

After printing this label
CONSIGNEE COPY - PLEASE PLACE IN FRONT OF POUCH
1 Fold the printed page along the horizontal line
2 Place label in shipping pouch and affix it to your shipment.

Use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on fedex.com. FedEx will not be responsible for any claim in excess of $100 per package, whether the result of loss, damage, delay, non-delivery, misdelivery, or misinformation, unless you declare *a higher value, pay an additional charge,* document your actual loss and file a timely claim. Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic value of the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental, consequential, or special is limited to the *greater of $100 or the authorized* declared value. Recovery cannot exceed actual documented loss. Maximum for items of extraordinary value is $1,000, e.g. jewelry, precious metals, negotiable instruments and other items listed in our Service Guide. Written claims must be filed within strict time limits, see current FedEx Service Guide.

Login Sample Receipt Checklist

Client: City of Lakeland

Job Number: 670-67905-1

Login Number: 67905

List Source: Eurofins Orlando

List Number: 1

Creator: Contreras, Steven

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: City of Lakeland

Job Number: 670-67905-1

Login Number: 67905
List Number: 2
Creator: Wilson, Derek A

List Source: Eurofins Pensacola
List Creation: 08/07/25 03:00 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.6°C IR10 3.8°C IR10
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: City of Lakeland

Job Number: 670-67905-1

Login Number: 68175

List Source: Eurofins Orlando

List Number: 1

Creator: Lavardera, Angelina

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Login Sample Receipt Checklist

Client: City of Lakeland

Job Number: 670-67905-1

Login Number: 68175
List Number: 2
Creator: Beecher (Roberts), Alexis J

List Source: Eurofins Pensacola
List Creation: 08/09/25 01:12 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	0.0°C IR8
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

APPENDIX C

Statistical Results – February 2025

Monitoring

2025 FIRST SEMIANNUAL BSA LANDFILL APPENDIX IV STATISTICS - DOWNGRADIENT WELLS
Lakeland Electric - C.D. McIntosh Power Plant, Polk County, Florida

Monitoring Location	Analyte	Units	Number of Samples	Number of NDs	Percent NDs	Minimum Detected Result	Maximum Detected Result	Minimum Detection Limit	Maximum Detection Limit	Mean[1]	CV	Concentration Trend[3]	LCL Distribution[2]	95% LCL
CCR-4	Antimony	mg/L	26	23	88	0.001	0.0015	0.00041	0.0123	NA	NA	ND	DL	0.001
CCR-4	Arsenic	mg/L	29	12	41	0.00051	0.0136	0.00025	0.013	0.0016	1.48	Decreasing	Nonparametric[4]	0.0013
CCR-4	Barium	mg/L	29	0	0	0.018	0.36	--	--	0.26	0.27	Stable	Normal	0.24
CCR-4	Beryllium	mg/L	25	11	44	0.0002	0.00084	0.000101	0.00283	0.00047	0.52	Decreasing	Normal[4]	0.00032
CCR-4	Cadmium	mg/L	27	10	37	0.00029	0.0233	0.000181	0.0039	0.0033	1.71	No Trend	Gamma	0.0019
CCR-4	Chromium	mg/L	27	9	33	0.0015	0.0063	0.001	0.00513	0.0022	0.44	Decreasing	Nonparametric[4]	0.0020
CCR-4	Cobalt	mg/L	27	8	30	0.0011	0.0052	0.00025	0.002	0.0025	0.67	Decreasing	Normal	0.0014
CCR-4	Fluoride	mg/L	31	10	32	0.04	1.92	0.022	20	0.28	1.33	Increasing	Trend (Theil-Sen Slope)	0.54
CCR-4	Lead	mg/L	27	22	81	0.00051	0.0032	0.00024	0.0139	NA	NA	ND	DL	0.00035
CCR-4	Lithium	mg/L	29	5	17	0.0079	0.34	0.00333	0.022	0.11	1.04	Increasing	Trend (Theil-Sen Slope)	0.089
CCR-4	Mercury	mg/L	26	25	96	0.000034	0.000034	0.000011	0.0002	NA	NA	ND	DL	0.00007
CCR-4	Molybdenum	mg/L	29	25	86	0.0026	0.0184	0.0005	0.00631	NA	NA	ND	DL	0.00085
CCR-4	Selenium	mg/L	29	16	55	0.00029	0.0031	0.00024	0.028	NA	NA	ND	DL	0.00439
CCR-4	Thallium	mg/L	27	13	48	0.00026	0.0051	0.00025	0.0017	0.00051	1.77	Decreasing	Nonparametric[4]	0.00043
CCR-5	Antimony	mg/L	26	26	100	--	--	0.00041	0.0123	NA	NA	ND	DL	0.001
CCR-5	Arsenic	mg/L	29	11	38	0.00038	0.019	0.00039	0.013	0.0021	1.90	Decreasing	Nonparametric[4]	0.0015
CCR-5	Barium	mg/L	29	0	0	0.064	0.16	--	--	0.082	0.33	Increasing	Trend (Regression)	0.109
CCR-5	Beryllium	mg/L	25	25	100	--	--	0.000101	0.00283	NA	NA	ND	DL	0.00034
CCR-5	Cadmium	mg/L	27	26	96	0.001	0.001	0.000181	0.0039	NA	NA	ND	DL	0.00034
CCR-5	Chromium	mg/L	27	10	37	0.0008	0.0018	0.000736	0.00513	0.0013	0.27	Decreasing	Normal[4]	0.0011
CCR-5	Cobalt	mg/L	27	24	89	0.00011	0.0034	0.00025	0.002	NA	NA	ND	DL	0.0004
CCR-5	Fluoride	mg/L	30	9	30	0.04	0.835	0.026	20	0.11	1.59	Increasing	Trend (Theil-Sen Slope)	0.10
CCR-5	Lead	mg/L	27	21	78	0.00046	0.0021	0.00024	0.0139	NA	NA	ND	DL	0.00035
CCR-5	Lithium	mg/L	29	0	0	2.3	5.35	--	--	3.38	0.29	Increasing	Trend (Theil-Sen Slope)	4.2
CCR-5	Mercury	mg/L	26	24	92	0.00011	0.000233	0.000011	0.0002	NA	NA	ND	DL	0.00007
CCR-5	Molybdenum	mg/L	29	23	79	0.0014	0.025	0.0005	0.00631	NA	NA	ND	DL	0.00085
CCR-5	Selenium	mg/L	29	17	59	0.00028	0.0312	0.00024	0.028	NA	NA	ND	DL	0.00439
CCR-5	Thallium	mg/L	27	25	93	0.0036	0.0056	0.000085	0.0017	NA	NA	ND	DL	0.000085

2025 FIRST SEMIANNUAL BSA LANDFILL APPENDIX IV STATISTICS - DOWNGRADIENT WELLS
Lakeland Electric - C.D. McIntosh Power Plant, Polk County, Florida

Monitoring Location	Analyte	Units	Number of Samples	Number of NDs	Percent NDs	Minimum Detected Result	Maximum Detected Result	Minimum Detection Limit	Maximum Detection Limit	Mean[1]	CV	Concentration Trend[3]	LCL Distribution[2]	95% LCL
CCR-6	Antimony	mg/L	26	26	100	--	--	0.00041	0.0123	NA	NA	ND	DL	0.001
CCR-6	Arsenic	mg/L	29	15	52	0.00047	0.0073	0.00025	0.00586	NA	NA	ND	DL	0.00221
CCR-6	Barium	mg/L	29	3	10	0.0047	0.051	0.003	0.017	0.026	0.53	Decreasing	Normal	0.021
CCR-6	Beryllium	mg/L	25	25	100	--	--	0.000101	0.00283	NA	NA	ND	DL	0.00034
CCR-6	Cadmium	mg/L	27	26	96	0.0003	0.0003	0.000181	0.0039	NA	NA	ND	DL	0.00034
CCR-6	Chromium	mg/L	27	17	63	0.0009	0.021	0.000736	0.00513	NA	NA	ND	DL	0.0011
CCR-6	Cobalt	mg/L	27	26	96	0.0005	0.0005	0.0001	0.002	NA	NA	ND	DL	0.0004
CCR-6	Fluoride	mg/L	31	2	6	0.09	0.738	0.4	1	0.24	0.58	Increasing	Trend (Theil-Sen Slope)	0.40
CCR-6	Lead	mg/L	27	25	93	0.00037	0.00041	0.00024	0.0139	NA	NA	ND	DL	0.00035
CCR-6	Lithium	mg/L	29	3	10	0.045	1.47	0.018	0.06	0.34	1.07	No Trend	Gamma	0.25
CCR-6	Mercury	mg/L	26	26	100	--	--	0.000011	0.0002	NA	NA	ND	DL	0.00007
CCR-6	Molybdenum	mg/L	29	11	38	0.0011	0.0362	0.00085	0.00631	0.0055	1.40	Increasing	Trend (Theil-Sen Slope)	0.0063
CCR-6	Selenium	mg/L	29	22	76	0.00033	0.00073	0.00024	0.027	NA	NA	ND	DL	0.00024
CCR-6	Thallium	mg/L	27	27	100	--	--	0.000085	0.0034	NA	NA	ND	DL	0.000085
CCR-7	Antimony	mg/L	26	25	96	0.0178	0.0178	0.00041	0.0123	NA	NA	ND	DL	0.001
CCR-7	Arsenic	mg/L	29	18	62	0.00026	0.0169	0.00025	0.00586	NA	NA	ND	DL	0.00046
CCR-7	Barium	mg/L	29	1	3	0.0041	0.1	0.017	0.017	0.034	0.71	Decreasing	Normal	0.026
CCR-7	Beryllium	mg/L	25	25	100	--	--	0.000101	0.00283	NA	NA	ND	DL	0.00034
CCR-7	Cadmium	mg/L	27	27	100	--	--	0.000181	0.0039	NA	NA	ND	DL	0.00034
CCR-7	Chromium	mg/L	27	14	52	0.0012	0.0028	0.000736	0.00513	NA	NA	ND	DL	0.0011
CCR-7	Cobalt	mg/L	27	22	81	0.00041	0.001	0.0001	0.002	NA	NA	ND	DL	0.0004
CCR-7	Fluoride	mg/L	30	3	10	0.066	0.54	0.4	0.4	0.24	0.50	Increasing	Trend (Regression)	0.24
CCR-7	Lead	mg/L	27	23	85	0.00039	0.0013	0.00024	0.0139	NA	NA	ND	DL	0.00035
CCR-7	Lithium	mg/L	30	7	23	0.0032	0.34	0.0032	0.06	0.052	1.39	No Trend	Gamma	0.036
CCR-7	Mercury	mg/L	26	25	96	0.00007	0.00007	0.000011	0.0002	NA	NA	ND	DL	0.00007
CCR-7	Molybdenum	mg/L	29	24	83	0.0005	0.0115	0.0005	0.00631	NA	NA	ND	DL	0.00085
CCR-7	Selenium	mg/L	29	22	76	0.00024	0.00043	0.00024	0.027	NA	NA	ND	DL	0.00024
CCR-7	Thallium	mg/L	27	27	100	--	--	0.000085	0.0034	NA	NA	ND	DL	0.000085

2025 FIRST SEMIANNUAL BSA LANDFILL APPENDIX IV STATISTICS - DOWNGRADIENT WELLS
Lakeland Electric - C.D. McIntosh Power Plant, Polk County, Florida

Monitoring Location	Analyte	Units	Number of Samples	Number of NDs	Percent NDs	Minimum Detected Result	Maximum Detected Result	Minimum Detection Limit	Maximum Detection Limit	Mean[1]	CV	Concentration Trend[3]	LCL Distribution[2]	95% LCL
CCR-8	Antimony	mg/L	26	24	92	0.0017	0.0058	0.00041	0.0123	NA	NA	ND	DL	0.001
CCR-8	Arsenic	mg/L	29	9	31	0.00077	0.0135	0.00221	0.00586	0.0027	0.94	Decreasing	Lognormal[4]	0.0020
CCR-8	Barium	mg/L	29	0	0	0.021	0.064	--	--	0.035	0.33	Decreasing	Trend (Theil-Sen Slope)	0.016
CCR-8	Beryllium	mg/L	25	25	100	--	--	0.000101	0.00283	NA	NA	ND	DL	0.00034
CCR-8	Cadmium	mg/L	27	27	100	--	--	0.000181	0.0039	NA	NA	ND	DL	0.00034
CCR-8	Chromium	mg/L	27	24	89	0.0007	0.0008	0.000513	0.00513	NA	NA	ND	DL	0.0011
CCR-8	Cobalt	mg/L	27	25	93	0.00018	0.0012	0.00025	0.002	NA	NA	ND	DL	0.0004
CCR-8	Fluoride	mg/L	31	3	10	0.23	0.42	0.4	0.4	0.31	0.15	Increasing	Trend (Regression)	0.38
CCR-8	Lead	mg/L	27	26	96	0.00045	0.00045	0.00024	0.0139	NA	NA	ND	DL	0.00035
CCR-8	Lithium	mg/L	29	15	52	0.0043	0.0491	0.00272	0.06	NA	NA	ND	DL	0.0091
CCR-8	Mercury	mg/L	26	26	100	--	--	0.000011	0.0002	NA	NA	ND	DL	0.00007
CCR-8	Molybdenum	mg/L	29	0	0	0.011	0.0238	--	--	0.016	0.21	Probably Decreasing	Trend (Regression)	0.011
CCR-8	Selenium	mg/L	29	23	79	0.0003	0.0246	0.00024	0.027	NA	NA	ND	DL	0.00024
CCR-8	Thallium	mg/L	27	26	96	0.00015	0.00015	0.000085	0.0034	NA	NA	ND	DL	0.000085
CCR-9	Antimony	mg/L	26	25	96	0.0017	0.0017	0.00041	0.0123	NA	NA	ND	DL	0.001
CCR-9	Arsenic	mg/L	29	4	14	0.00098	0.0173	0.00221	0.0075	0.0052	0.64	Probably Decreasing	Trend (Theil-Sen Slope)	0.0017
CCR-9	Barium	mg/L	29	0	0	0.039	0.13	--	--	0.083	0.31	Decreasing	Trend (Regression)	0.029
CCR-9	Beryllium	mg/L	25	25	100	--	--	0.000101	0.00283	NA	NA	ND	DL	0.00034
CCR-9	Cadmium	mg/L	27	26	96	0.00058	0.00058	0.000181	0.0039	NA	NA	ND	DL	0.00034
CCR-9	Chromium	mg/L	27	19	70	0.001	0.0023	0.000736	0.00513	NA	NA	ND	DL	0.0011
CCR-9	Cobalt	mg/L	27	27	100	--	--	0.0001	0.002	NA	NA	ND	DL	0.0004
CCR-9	Fluoride	mg/L	31	3	10	0.095	0.69	0.25	2	0.24	0.58	Increasing	Trend (Theil-Sen Slope)	0.28
CCR-9	Lead	mg/L	27	24	89	0.00054	0.0028	0.00024	0.0139	NA	NA	ND	DL	0.00035
CCR-9	Lithium	mg/L	29	2	7	0.0457	0.19	0.00272	0.06	0.096	0.47	Decreasing	Trend (Regression)	0.014
CCR-9	Mercury	mg/L	26	26	100	--	--	0.000011	0.0002	NA	NA	ND	DL	0.00007
CCR-9	Molybdenum	mg/L	29	25	86	0.0014	0.0166	0.00025	0.00631	NA	NA	ND	DL	0.00085
CCR-9	Selenium	mg/L	29	15	52	0.00047	0.0015	0.0012	0.027	NA	NA	ND	DL	0.00439
CCR-9	Thallium	mg/L	27	26	96	0.0048	0.0048	0.000085	0.0017	NA	NA	ND	DL	0.000085

2025 FIRST SEMIANNUAL BSA LANDFILL APPENDIX IV STATISTICS - DOWNGRADIENT WELLS
Lakeland Electric - C.D. McIntosh Power Plant, Polk County, Florida

Monitoring Location	Analyte	Units	Number of Samples	Number of NDs	Percent NDs	Minimum Detected Result	Maximum Detected Result	Minimum Detection Limit	Maximum Detection Limit	Mean[1]	CV	Concentration Trend[3]	LCL Distribution[2]	95% LCL
CCR-11	Antimony	mg/L	26	25	96	0.0015	0.0015	0.00041	0.0123	NA	NA	ND	DL	0.001
CCR-11	Arsenic	mg/L	29	0	0	0.0513	0.14	--	--	0.088	0.33	Decreasing	Trend (Regression)	0.036
CCR-11	Barium	mg/L	29	0	0	0.025	0.071	--	--	0.053	0.18	Decreasing	Normal	0.050
CCR-11	Beryllium	mg/L	25	25	100	--	--	0.000101	0.00283	NA	NA	ND	DL	0.00034
CCR-11	Cadmium	mg/L	27	26	96	0.001	0.001	0.000181	0.0039	NA	NA	ND	DL	0.00034
CCR-11	Chromium	mg/L	27	10	37	0.0012	0.0023	0.000736	0.00513	0.0016	0.25	Decreasing	Normal[4]	0.0014
CCR-11	Cobalt	mg/L	27	26	96	0.0009	0.0009	0.0001	0.002	NA	NA	ND	DL	0.0004
CCR-11	Fluoride	mg/L	32	3	9	0.35	1.46	2	5	0.64	0.51	Increasing	Trend (Theil-Sen Slope)	1.3
CCR-11	Lead	mg/L	27	20	74	0.00039	0.0014	0.00024	0.0139	NA	NA	ND	DL	0.00035
CCR-11	Lithium	mg/L	29	18	62	0.004	0.0338	0.00272	0.06	NA	NA	ND	DL	0.0032
CCR-11	Mercury	mg/L	26	26	100	--	--	0.000011	0.0002	NA	NA	ND	DL	0.00007
CCR-11	Molybdenum	mg/L	29	22	76	0.00089	0.0149	0.00025	0.00631	NA	NA	ND	DL	0.00085
CCR-11	Selenium	mg/L	29	12	41	0.0013	0.0085	0.0012	0.027	0.0023	0.89	Decreasing	Nonparametric[4]	0.0020
CCR-11	Thallium	mg/L	27	27	100	--	--	0.000085	0.0034	NA	NA	ND	DL	0.000085
CCR-12	Antimony	mg/L	26	25	96	0.00049	0.00049	0.001	0.0123	NA	NA	ND	DL	0.001
CCR-12	Arsenic	mg/L	29	0	0	0.00089	0.199	--	--	0.058	0.74	Increasing	Trend (Theil-Sen Slope)	0.070
CCR-12	Barium	mg/L	29	0	0	0.0117	0.048	--	--	0.018	0.39	Increasing	Trend (Theil-Sen Slope)	0.019
CCR-12	Beryllium	mg/L	25	25	100	--	--	0.000101	0.00283	NA	NA	ND	DL	0.00034
CCR-12	Cadmium	mg/L	27	26	96	0.0009	0.0009	0.000181	0.0039	NA	NA	ND	DL	0.00034
CCR-12	Chromium	mg/L	27	22	81	0.0006	0.0024	0.000736	0.00513	NA	NA	ND	DL	0.0011
CCR-12	Cobalt	mg/L	27	24	89	0.0008	0.0015	0.0001	0.002	NA	NA	ND	DL	0.0004
CCR-12	Fluoride	mg/L	31	2	6	0.45	1.44	1	2	0.66	0.32	Increasing	Trend (Theil-Sen Slope)	0.86
CCR-12	Lead	mg/L	27	26	96	0.001	0.001	0.00024	0.0139	NA	NA	ND	DL	0.00035
CCR-12	Lithium	mg/L	29	24	83	0.0139	0.26	0.00272	0.06	NA	NA	ND	DL	0.0032
CCR-12	Mercury	mg/L	26	25	96	0.000099	0.000099	0.000011	0.0002	NA	NA	ND	DL	0.00007
CCR-12	Molybdenum	mg/L	29	2	7	0.0056	0.0368	0.00085	0.00392	0.012	0.67	Increasing	Trend (Theil-Sen Slope)	0.015
CCR-12	Selenium	mg/L	29	17	59	0.00032	0.0151	0.00024	0.028	NA	NA	ND	DL	0.00439
CCR-12	Thallium	mg/L	27	25	93	0.00035	0.0041	0.000085	0.0017	NA	NA	ND	DL	0.000085

2025 FIRST SEMIANNUAL BSA LANDFILL APPENDIX IV STATISTICS - DOWNGRADIENT WELLS
Lakeland Electric - C.D. McIntosh Power Plant, Polk County, Florida

Monitoring Location	Analyte	Units	Number of Samples	Number of NDs	Percent NDs	Minimum Detected Result	Maximum Detected Result	Minimum Detection Limit	Maximum Detection Limit	Mean[1]	CV	Concentration Trend[3]	LCL Distribution[2]	95% LCL
CCR-13	Antimony	mg/L	26	25	96	0.0014	0.0014	0.00041	0.0123	NA	NA	ND	DL	0.001
CCR-13	Arsenic	mg/L	29	14	48	0.00032	0.043	0.00025	0.00396	0.0033	2.56	No Trend	Lognormal	0.0014
CCR-13	Barium	mg/L	29	0	0	0.004	0.053	--	--	0.035	0.39	Decreasing	Trend (Theil-Sen Slope)	0.018
CCR-13	Beryllium	mg/L	25	23	92	0.0002	0.0003	0.000101	0.00283	NA	NA	ND	DL	0.00034
CCR-13	Cadmium	mg/L	27	25	93	0.0003	0.0351	0.000181	0.0039	NA	NA	ND	DL	0.00034
CCR-13	Chromium	mg/L	27	11	41	0.001	0.0023	0.0011	0.00513	0.0017	0.27	Decreasing	Normal[4]	0.0015
CCR-13	Cobalt	mg/L	27	9	33	0.00012	0.0046	0.00025	0.002	0.0013	0.91	Stable	Normal	0.00050
CCR-13	Fluoride	mg/L	31	2	6	0.103	2.64	1	1	0.83	0.71	Increasing	Trend (Regression)	1.1
CCR-13	Lead	mg/L	27	27	100	--	--	0.00024	0.0139	NA	NA	ND	DL	0.00035
CCR-13	Lithium	mg/L	29	2	7	0.011	0.32	0.0032	0.018	0.19	0.54	Decreasing	Trend (Theil-Sen Slope)	0.022
CCR-13	Mercury	mg/L	26	25	96	0.000195	0.000195	0.000011	0.0002	NA	NA	ND	DL	0.00007
CCR-13	Molybdenum	mg/L	29	20	69	0.001	0.026	0.0005	0.00631	NA	NA	ND	DL	0.00085
CCR-13	Selenium	mg/L	29	20	69	0.00032	0.0135	0.00024	0.027	NA	NA	ND	DL	0.00024
CCR-13	Thallium	mg/L	27	22	81	0.00009	0.00011	0.000085	0.0034	NA	NA	ND	DL	0.000085

Notes:

1. For data sets with any ND data and 50% or less NDs, the Kaplan-Meier mean and standard deviation are provided. For data sets without ND data, the arithmetic mean is provided. For data sets with greater than 50% NDs, no mean is provided.
2. For distribution = "Normal" and "Lognormal", the 95% LCL was calculated on the mean concentration.
   For distribution = "Trend (Regression)" or "Trend (Theil-Sen Slope)", the 95% LCL was calculated from the regression/Sen's slope line due to an increasing/decreasing trend.
   For distribution = "Nonparametric", the 95% LCL was calculated on the median concentration.
   For distribution = "DL", the 95% LCL was equivalent to the MDL.
3. The Mann-Kendall test was used to identify increasing or decreasing trends in the data with trends identified with a confidence level of 95% or more marked increasing or decreasing and those with a confidence level between 90% and 95% marked probably increasing or probably decreasing.
4. Trend is an artifact of varyng detection limits, therefore, the LCL was derived using a parametric or nonparametric method.
5. Data used in the statistical analysis are provided in Table 2.

-- - not provided because data either had detected concentrations or were non-detect
CV - coefficient of variation calculated as the ratio of the standard deviation to the mean
DL - detection limit
LCL - lower confidence limit
MDL - method deteciton limit
mg/L - milligrams per liter
NA - not applicable, statistic could not be calculated due to high percent of non-detects (>50% NDs)
ND - non-detect or Mann-Kendall test for trend not performed due to >50% NDs

APPENDIX D

Statistical Results – July 2025 Monitoring

2025 SECOND SEMINANNUAL BSA LANDFILL APPENDIX IV STATISTICS - DOWNGRADIENT WELLS
Lakeland Electric - C.D. McIntosh Power Plant, Polk County, Florida

Monitoring Location	Analyte	Units	Number of Samples	Number of NDs	Percent NDs	Minimum Detected Result	Maximum Detected Result	Minimum Detection Limit	Maximum Detection Limit	Mean[1]	CV	Concentration Trend[3]	LCL Distribution[2]	95% LCL
CCR-4	Antimony	mg/L	27	24	89	0.001	0.0015	0.00041	0.0123	NA	NA	ND	DL	0.001
CCR-4	Arsenic	mg/L	30	13	43	0.00051	0.0136	0.00025	0.013	0.0015	1.53	Decreasing	Nonparametric[4]	0.0013
CCR-4	Barium	mg/L	30	0	0	0.018	0.36	--	--	0.26	0.28	Probably Decreasing	Trend (Theil-Sen Slope)	0.18
CCR-4	Beryllium	mg/L	26	11	42	0.0002	0.00084	0.000101	0.00283	0.00046	0.52	Decreasing	Normal[4]	0.00032
CCR-4	Cadmium	mg/L	28	10	36	0.00029	0.0233	0.000181	0.0039	0.0032	1.74	No Trend	Gamma	0.0019
CCR-4	Chromium	mg/L	28	10	36	0.0015	0.0063	0.001	0.00513	0.0022	0.43	Decreasing	Nonparametric[4]	0.0020
CCR-4	Cobalt	mg/L	28	8	29	0.0011	0.0052	0.00025	0.002	0.0025	0.67	Decreasing	Normal	0.0014
CCR-4	Fluoride	mg/L	32	11	34	0.04	1.92	0.022	20	0.27	1.36	Probably Increasing	Trend (Theil-Sen Slope)	0.34
CCR-4	Lead	mg/L	28	23	82	0.00051	0.0032	0.00024	0.0139	NA	NA	ND	DL	0.00035
CCR-4	Lithium	mg/L	30	5	17	0.0079	0.34	0.00333	0.022	0.12	1.01	Increasing	Trend (Theil-Sen Slope)	0.13
CCR-4	Mercury	mg/L	27	26	96	0.000034	0.000034	0.000011	0.0002	NA	NA	ND	DL	0.00007
CCR-4	Molybdenum	mg/L	30	25	83	0.0026	0.0184	0.0005	0.00631	NA	NA	ND	DL	0.00085
CCR-4	Selenium	mg/L	30	16	53	0.00029	0.004	0.00024	0.028	NA	NA	ND	DL	0.00439
CCR-4	Thallium	mg/L	28	14	50	0.00026	0.0051	0.00025	0.0017	0.00050	1.78	Decreasing	Nonparametric[4]	0.00043
CCR-5	Antimony	mg/L	27	27	100	--	--	0.00041	0.0123	NA	NA	ND	DL	0.001
CCR-5	Arsenic	mg/L	30	12	40	0.00038	0.019	0.00039	0.013	0.0020	1.93	Decreasing	Nonparametric[4]	0.0015
CCR-5	Barium	mg/L	30	0	0	0.064	0.16	--	--	0.08	0.35	Increasing	Trend (Regression)	0.12
CCR-5	Beryllium	mg/L	26	26	100	--	--	0.000101	0.00283	NA	NA	ND	DL	0.00034
CCR-5	Cadmium	mg/L	28	27	96	0.001	0.001	0.000181	0.0039	NA	NA	ND	DL	0.00034
CCR-5	Chromium	mg/L	28	11	39	0.0008	0.0018	0.000736	0.00513	0.0013	0.27	Decreasing	Normal[4]	0.0011
CCR-5	Cobalt	mg/L	28	24	86	0.00011	0.0034	0.00025	0.002	NA	NA	ND	DL	0.0004
CCR-5	Fluoride	mg/L	31	9	29	0.04	0.835	0.026	20	0.11	1.58	Increasing	Trend (Theil-Sen Slope)	0.086
CCR-5	Lead	mg/L	28	22	79	0.00046	0.0021	0.00024	0.0139	NA	NA	ND	DL	0.00035
CCR-5	Lithium	mg/L	30	0	0	2.3	5.35	--	--	3.44	0.30	Increasing	Trend (Theil-Sen Slope)	4.37
CCR-5	Mercury	mg/L	27	25	93	0.00011	0.000233	0.000011	0.0002	NA	NA	ND	DL	0.00007
CCR-5	Molybdenum	mg/L	30	23	77	0.0014	0.025	0.0005	0.00631	NA	NA	ND	DL	0.00085
CCR-5	Selenium	mg/L	30	17	57	0.00028	0.0312	0.00024	0.028	NA	NA	ND	DL	0.00439
CCR-5	Thallium	mg/L	28	26	93	0.0036	0.0056	0.000085	0.0017	NA	NA	ND	DL	0.000085

2025 SECOND SEMINANNUAL BSA LANDFILL APPENDIX IV STATISTICS - DOWNGRADIENT WELLS
Lakeland Electric - C.D. McIntosh Power Plant, Polk County, Florida

Monitoring Location	Analyte	Units	Number of Samples	Number of NDs	Percent NDs	Minimum Detected Result	Maximum Detected Result	Minimum Detection Limit	Maximum Detection Limit	Mean[1]	CV	Concentration Trend[3]	LCL Distribution[2]	95% LCL
CCR-6	Antimony	mg/L	27	27	100	--	--	0.00041	0.0123	NA	NA	ND	DL	0.001
CCR-6	Arsenic	mg/L	30	16	53	0.00047	0.0073	0.00025	0.00586	NA	NA	ND	DL	0.00221
CCR-6	Barium	mg/L	30	3	10	0.0034	0.051	0.003	0.017	0.0250	0.56	Decreasing	Normal	0.020
CCR-6	Beryllium	mg/L	26	26	100	--	--	0.000101	0.00283	NA	NA	ND	DL	0.00034
CCR-6	Cadmium	mg/L	28	27	96	0.0003	0.0003	0.000181	0.0039	NA	NA	ND	DL	0.00034
CCR-6	Chromium	mg/L	28	18	64	0.0009	0.021	0.000736	0.00513	NA	NA	ND	DL	0.0011
CCR-6	Cobalt	mg/L	28	27	96	0.0005	0.0005	0.0001	0.002	NA	NA	ND	DL	0.0004
CCR-6	Fluoride	mg/L	32	2	6	0.09	0.738	0.4	1	0.24	0.57	Increasing	Trend (Theil-Sen Slope)	0.42
CCR-6	Lead	mg/L	28	26	93	0.00037	0.00041	0.00024	0.0139	NA	NA	ND	DL	0.00035
CCR-6	Lithium	mg/L	30	4	13	0.045	1.47	0.018	0.06	0.33	1.10	No Trend	Gamma	0.24
CCR-6	Mercury	mg/L	27	27	100	--	--	0.000011	0.0002	NA	NA	ND	DL	0.00007
CCR-6	Molybdenum	mg/L	30	11	37	0.0011	0.0362	0.00085	0.00631	0.0054	1.38	Increasing	Trend (Theil-Sen Slope)	0.0065
CCR-6	Selenium	mg/L	30	23	77	0.00033	0.00073	0.00024	0.027	NA	NA	ND	DL	0.00024
CCR-6	Thallium	mg/L	28	28	100	--	--	0.000085	0.0034	NA	NA	ND	DL	0.000085
CCR-7	Antimony	mg/L	27	26	96	0.0178	0.0178	0.00041	0.0123	NA	NA	ND	DL	0.001
CCR-7	Arsenic	mg/L	30	19	63	0.00026	0.0169	0.00025	0.00586	NA	NA	ND	DL	0.00046
CCR-7	Barium	mg/L	30	1	3	0.0037	0.1	0.017	0.017	0.0332	0.74	Decreasing	Normal	0.025
CCR-7	Beryllium	mg/L	26	26	100	--	--	0.000101	0.00283	NA	NA	ND	DL	0.00034
CCR-7	Cadmium	mg/L	28	28	100	--	--	0.000181	0.0039	NA	NA	ND	DL	0.00034
CCR-7	Chromium	mg/L	28	15	54	0.0012	0.0028	0.000736	0.00513	NA	NA	ND	DL	0.0011
CCR-7	Cobalt	mg/L	28	23	82	0.00041	0.001	0.0001	0.002	NA	NA	ND	DL	0.0004
CCR-7	Fluoride	mg/L	31	3	10	0.063	0.54	0.4	0.4	0.23	0.53	No Trend	Normal	0.19
CCR-7	Lead	mg/L	28	24	86	0.00039	0.0013	0.00024	0.0139	NA	NA	ND	DL	0.00035
CCR-7	Lithium	mg/L	31	8	26	0.0032	0.34	0.0032	0.06	0.0503	1.42	No Trend	Gamma	0.035
CCR-7	Mercury	mg/L	27	26	96	0.00007	0.00007	0.000011	0.0002	NA	NA	ND	DL	0.00007
CCR-7	Molybdenum	mg/L	30	24	80	0.0005	0.0115	0.0005	0.00631	NA	NA	ND	DL	0.00085
CCR-7	Selenium	mg/L	30	22	73	0.00024	0.00065	0.00024	0.027	NA	NA	ND	DL	0.00024
CCR-7	Thallium	mg/L	28	28	100	--	--	0.000085	0.0034	NA	NA	ND	DL	0.000085

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Lakeland Electric - C.D. McIntosh Power Plant, Polk County, Florida

Monitoring Location	Analyte	Units	Number of Samples	Number of NDs	Percent NDs	Minimum Detected Result	Maximum Detected Result	Minimum Detection Limit	Maximum Detection Limit	Mean[1]	CV	Concentration Trend[3]	LCL Distribution[2]	95% LCL
CCR-8	Antimony	mg/L	27	24	89	0.00077	0.0058	0.00041	0.0123	NA	NA	ND	DL	0.001
CCR-8	Arsenic	mg/L	30	9	30	0.00077	0.0135	0.00221	0.00586	0.0027	0.92	Decreasing	Lognormal[4]	0.0021
CCR-8	Barium	mg/L	30	0	0	0.021	0.064	--	--	0.0349	0.33	Decreasing	Trend (Theil-Sen Slope)	0.016
CCR-8	Beryllium	mg/L	26	26	100	--	--	0.000101	0.00283	NA	NA	ND	DL	0.00034
CCR-8	Cadmium	mg/L	28	28	100	--	--	0.000181	0.0039	NA	NA	ND	DL	0.00034
CCR-8	Chromium	mg/L	28	25	89	0.0007	0.0008	0.000513	0.00513	NA	NA	ND	DL	0.0011
CCR-8	Cobalt	mg/L	28	25	89	0.00018	0.0012	0.00025	0.002	NA	NA	ND	DL	0.0004
CCR-8	Fluoride	mg/L	32	3	9	0.23	0.46	0.4	0.4	0.32	0.17	Increasing	Trend (Regression)	0.40
CCR-8	Lead	mg/L	28	27	96	0.00045	0.00045	0.00024	0.0139	NA	NA	ND	DL	0.00035
CCR-8	Lithium	mg/L	30	16	53	0.0043	0.0491	0.00272	0.06	NA	NA	ND	DL	0.018
CCR-8	Mercury	mg/L	27	27	100	--	--	0.000011	0.0002	NA	NA	ND	DL	0.00007
CCR-8	Molybdenum	mg/L	30	0	0	0.011	0.0238	--	--	0.0157	0.22	Decreasing	Trend (Regression)	0.010
CCR-8	Selenium	mg/L	30	24	80	0.0003	0.0246	0.00024	0.027	NA	NA	ND	DL	0.00024
CCR-8	Thallium	mg/L	28	27	96	0.00015	0.00015	0.000085	0.0034	NA	NA	ND	DL	0.000085
CCR-9	Antimony	mg/L	27	26	96	0.0017	0.0017	0.00041	0.0123	NA	NA	ND	DL	0.001
CCR-9	Arsenic	mg/L	30	4	13	0.00098	0.0173	0.00221	0.0075	0.0054	0.63	Stable	Gamma	0.0045
CCR-9	Barium	mg/L	30	0	0	0.039	0.13	--	--	0.08	0.31	Decreasing	Trend (Regression)	0.030
CCR-9	Beryllium	mg/L	26	26	100	--	--	0.000101	0.00283	NA	NA	ND	DL	0.00034
CCR-9	Cadmium	mg/L	28	27	96	0.00058	0.00058	0.000181	0.0039	NA	NA	ND	DL	0.00034
CCR-9	Chromium	mg/L	28	20	71	0.001	0.0023	0.000736	0.00513	NA	NA	ND	DL	0.0011
CCR-9	Cobalt	mg/L	28	28	100	--	--	0.0001	0.002	NA	NA	ND	DL	0.0004
CCR-9	Fluoride	mg/L	32	3	9	0.095	0.69	0.25	2	0.24	0.58	Probably Increasing	Trend (Theil-Sen Slope)	0.25
CCR-9	Lead	mg/L	28	25	89	0.00054	0.0028	0.00024	0.0139	NA	NA	ND	DL	0.00035
CCR-9	Lithium	mg/L	30	2	7	0.0457	0.19	0.00272	0.06	0.0947	0.47	Decreasing	Trend (Regression)	0.015
CCR-9	Mercury	mg/L	27	27	100	--	--	0.000011	0.0002	NA	NA	ND	DL	0.00007
CCR-9	Molybdenum	mg/L	30	26	87	0.0014	0.0166	0.00025	0.00631	NA	NA	ND	DL	0.00085
CCR-9	Selenium	mg/L	30	16	53	0.00047	0.0015	0.00048	0.027	NA	NA	ND	DL	0.00439
CCR-9	Thallium	mg/L	28	27	96	0.0048	0.0048	0.000085	0.0017	NA	NA	ND	DL	0.000085

2025 SECOND SEMINANNUAL BSA LANDFILL APPENDIX IV STATISTICS - DOWNGRADIENT WELLS
Lakeland Electric - C.D. McIntosh Power Plant, Polk County, Florida

Monitoring Location	Analyte	Units	Number of Samples	Number of NDs	Percent NDs	Minimum Detected Result	Maximum Detected Result	Minimum Detection Limit	Maximum Detection Limit	Mean[1]	CV	Concentration Trend[3]	LCL Distribution[2]	95% LCL
CCR-11	Antimony	mg/L	27	26	96	0.0015	0.0015	0.00041	0.0123	NA	NA	ND	DL	0.001
CCR-11	Arsenic	mg/L	30	0	0	0.0513	0.14	--	--	0.0883	0.33	Decreasing	Nonparametric	0.067
CCR-11	Barium	mg/L	30	0	0	0.025	0.071	--	--	0.0531	0.17	Probably Decreasing	Normal	0.050
CCR-11	Beryllium	mg/L	26	26	100	--	--	0.000101	0.00283	NA	NA	ND	DL	0.00034
CCR-11	Cadmium	mg/L	28	27	96	0.001	0.001	0.000181	0.0039	NA	NA	ND	DL	0.00034
CCR-11	Chromium	mg/L	28	11	39	0.0012	0.0023	0.000736	0.00513	0.0016	0.25	Decreasing	Normal[4]	0.0014
CCR-11	Cobalt	mg/L	28	27	96	0.0009	0.0009	0.0001	0.002	NA	NA	ND	DL	0.0004
CCR-11	Fluoride	mg/L	33	3	9	0.35	1.46	2	5	0.64	0.50	Increasing	Trend (Theil-Sen Slope)	1.29
CCR-11	Lead	mg/L	28	21	75	0.00039	0.0014	0.00024	0.0139	NA	NA	ND	DL	0.00035
CCR-11	Lithium	mg/L	30	19	63	0.004	0.0338	0.00272	0.06	NA	NA	ND	DL	0.0032
CCR-11	Mercury	mg/L	27	27	100	--	--	0.000011	0.0002	NA	NA	ND	DL	0.00007
CCR-11	Molybdenum	mg/L	30	23	77	0.00089	0.0149	0.00025	0.00631	NA	NA	ND	DL	0.00085
CCR-11	Selenium	mg/L	30	12	40	0.0013	0.0085	0.0012	0.027	0.0023	0.87	Decreasing	Nonparametric[4]	0.0021
CCR-11	Thallium	mg/L	28	28	100	--	--	0.000085	0.0034	NA	NA	ND	DL	0.000085
CCR-12	Antimony	mg/L	27	26	96	0.00049	0.00049	0.00041	0.0123	NA	NA	ND	DL	0.001
CCR-12	Arsenic	mg/L	30	0	0	0.00089	0.199	--	--	0.0584	0.73	Increasing	Trend (Theil-Sen Slope)	0.070
CCR-12	Barium	mg/L	30	0	0	0.0117	0.048	--	--	0.0182	0.38	Increasing	Trend (Theil-Sen Slope)	0.020
CCR-12	Beryllium	mg/L	26	26	100	--	--	0.000101	0.00283	NA	NA	ND	DL	0.00034
CCR-12	Cadmium	mg/L	28	27	96	0.0009	0.0009	0.000181	0.0039	NA	NA	ND	DL	0.00034
CCR-12	Chromium	mg/L	28	23	82	0.0006	0.0024	0.000736	0.00513	NA	NA	ND	DL	0.0011
CCR-12	Cobalt	mg/L	28	25	89	0.0008	0.0015	0.0001	0.002	NA	NA	ND	DL	0.0004
CCR-12	Fluoride	mg/L	32	2	6	0.45	1.44	1	2	0.66	0.32	Increasing	Trend (Theil-Sen Slope)	0.85
CCR-12	Lead	mg/L	28	27	96	0.001	0.001	0.00024	0.0139	NA	NA	ND	DL	0.00035
CCR-12	Lithium	mg/L	30	25	83	0.0139	0.26	0.00272	0.06	NA	NA	ND	DL	0.0032
CCR-12	Mercury	mg/L	27	26	96	0.000099	0.000099	0.000011	0.0002	NA	NA	ND	DL	0.00007
CCR-12	Molybdenum	mg/L	30	2	7	0.0056	0.0368	0.00085	0.00392	0.0124	0.66	Increasing	Trend (Theil-Sen Slope)	0.015
CCR-12	Selenium	mg/L	30	17	57	0.00032	0.0151	0.00024	0.028	NA	NA	ND	DL	0.00439
CCR-12	Thallium	mg/L	28	26	93	0.00035	0.0041	0.000085	0.0017	NA	NA	ND	DL	0.000085

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Monitoring Location	Analyte	Units	Number of Samples	Number of NDs	Percent NDs	Minimum Detected Result	Maximum Detected Result	Minimum Detection Limit	Maximum Detection Limit	Mean[1]	CV	Concentration Trend[3]	LCL Distribution[2]	95% LCL
CCR-13	Antimony	mg/L	27	25	93	0.00042	0.0014	0.00041	0.0123	NA	NA	ND	DL	0.001
CCR-13	Arsenic	mg/L	30	14	47	0.00032	0.043	0.00025	0.00396	0.0034	2.47	No Trend	Lognormal	0.0015
CCR-13	Barium	mg/L	30	0	0	0.004	0.053	--	--	0.0341	0.43	Decreasing	Trend (Theil-Sen Slope)	0.015
CCR-13	Beryllium	mg/L	26	24	92	0.0002	0.0003	0.000101	0.00283	NA	NA	ND	DL	0.00034
CCR-13	Cadmium	mg/L	28	26	93	0.0003	0.0351	0.000181	0.0039	NA	NA	ND	DL	0.00034
CCR-13	Chromium	mg/L	28	12	43	0.001	0.0023	0.0011	0.00513	0.0017	0.27	Decreasing	Normal[4]	0.0015
CCR-13	Cobalt	mg/L	28	10	36	0.00012	0.0046	0.0001	0.002	0.0013	0.94	No Trend	Normal	0.00039
CCR-13	Fluoride	mg/L	32	2	6	0.103	2.64	1	1	0.82	0.71	Increasing	Gamma	0.67
CCR-13	Lead	mg/L	28	28	100	--	--	0.00024	0.0139	NA	NA	ND	DL	0.00035
CCR-13	Lithium	mg/L	30	3	10	0.011	0.32	0.0032	0.018	0.18	0.57	Decreasing	Trend (Theil-Sen Slope)	0.012
CCR-13	Mercury	mg/L	27	26	96	0.000195	0.000195	0.000011	0.0002	NA	NA	ND	DL	0.00007
CCR-13	Molybdenum	mg/L	30	20	67	0.001	0.026	0.0005	0.00631	NA	NA	ND	DL	0.00085
CCR-13	Selenium	mg/L	30	20	67	0.00032	0.0135	0.00024	0.027	NA	NA	ND	DL	0.00024
CCR-13	Thallium	mg/L	28	23	82	0.00009	0.00011	0.000085	0.0034	NA	NA	ND	DL	0.000085

Notes:

1. For data sets with any ND data and 50% or less NDs, the Kaplan-Meier mean and standard deviation are provided. For data sets without ND data, the arithmetic mean is provided. For data sets with greater than 50% NDs, no mean is provided.
2. For distribution = "Normal" and "Lognormal", the 95% LCL was calculated on the mean concentration.
   For distribution = "Trend (Regression)" or "Trend (Theil-Sen Slope)", the 95% LCL was calculated from the regression/Sen's slope line due to an increasing/decreasing trend.
   For distribution = "Nonparametric", the 95% LCL was calculated on the median concentration.
   For distribution = "DL", the 95% LCL was equivalent to the MDL.
3. The Mann-Kendall test was used to identify increasing or decreasing trends in the data. Trends identified with a confidence level of 95% or more are marked increasing or decreasing and those with a confidence level between 90% and 95% are marked probably increasing or probably decreasing.
4. Trend is an artifact of varying detection limits; therefore, the LCL was derived using a parametric or nonparametric method.
5. Data used in the statistical analysis are provided in Table 2.

-- - not provided because data either had detected concentrations or were non-detect
BSA - Byproduct Storage Area
CV - coefficient of variation calculated as the ratio of the standard deviation to the mean
DL - detection limit
LCL - lower confidence limit
MDL - method detection limit
mg/L - milligrams per liter
NA - not applicable, statistic could not be calculated due to high percent of non-detects (>50% NDs)
ND - non-detect or Mann-Kendall test for trend not performed due to >50% NDs

APPENDIX E

Alternate Source Demonstration for
Radium 226 & 228 in Groundwater

ALTERNATE SOURCE DEMONSTRATION FOR RADIUM 226 & 228 IN GROUNDWATER BYPRODUCT STORAGE AREA C.D. MCINTOSH POWER PLANT

LAKELAND, POLK COUNTY, FLORIDA

Submitted to:

Lakeland Electric
501 East Lemon Street
Lakeland, FL 33801

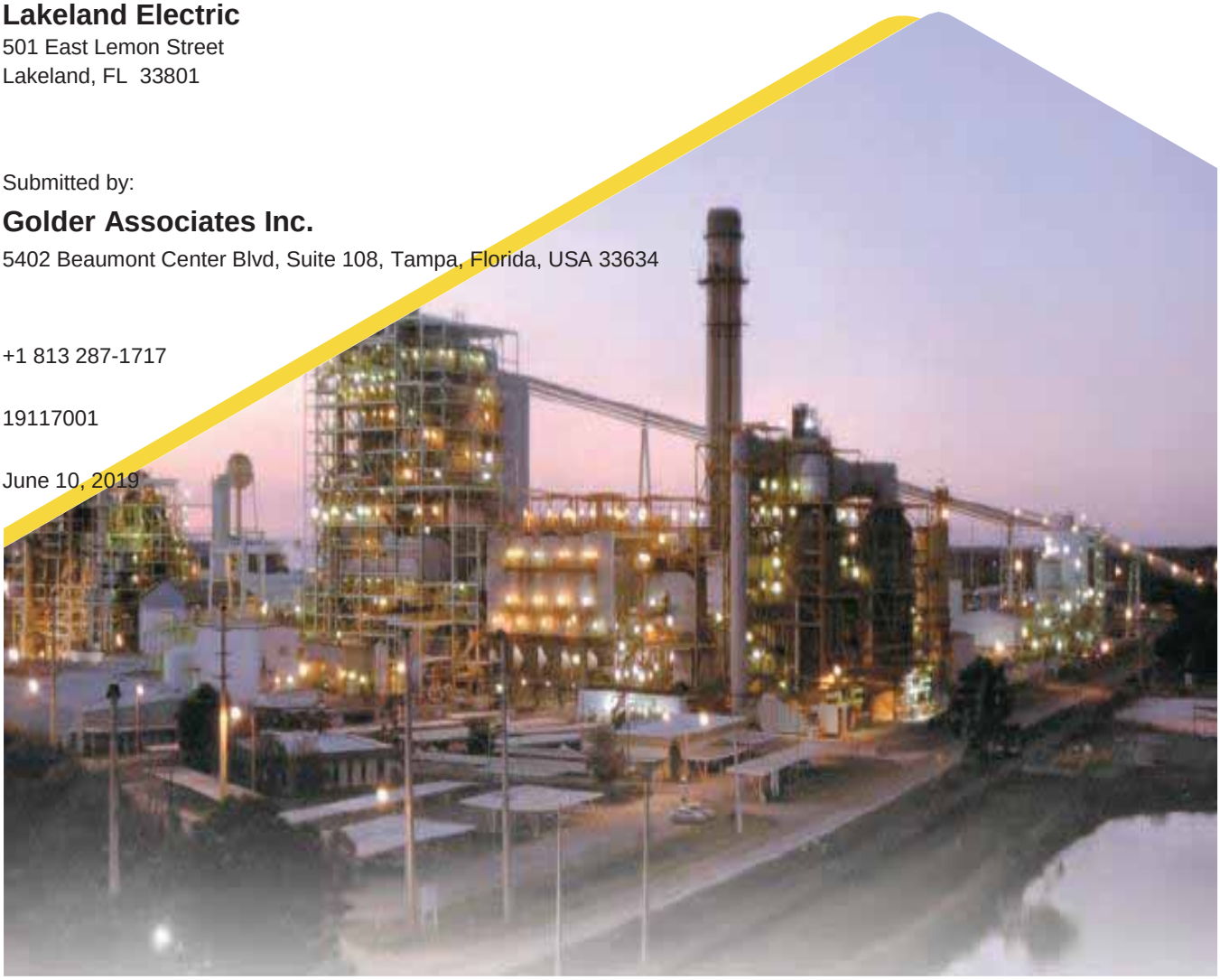
Submitted by:

Golder Associates Inc.
5402 Beaumont Center Blvd, Suite 108, Tampa, Florida, USA 33634

+1 813 287-1717

19117001

June 10, 2019



Distribution List

Sean P. McGinnis, CHMM, Lakeland Electric

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APPENDICES

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Appendix E Mineralogical Assessment prepared by Petrologic Solutions, Inc.

1.0 INTRODUCTION

Golder Associates Inc. (Golder), on behalf of Lakeland Electric, prepared this alternative source demonstration (ASD) report for combined radium-226 and radium-228 (referred to as radium-226+228) detected in groundwater samples collected from the monitoring well network installed pursuant to the Coal Combustion Residual (CCR) Rule[1] for the Byproduct Storage Area (BSA) at the C.D. McIntosh Power Plant (MPP or site). Figure 1 presents a site location map and Figure 2 presents a map of the BSA and associated CCR monitoring well network. A statistical analysis of assessment monitoring results identified certain Appendix IV constituents in the uppermost aquifer at statistically significant levels (SSLs) above the groundwater protection standards (GWPS) established for the constituents for the site. The rule allows the owner or operator of a CCR unit to demonstrate that the SSL(s) are due to a source other than the CCR unit—an alternate source.[2] The statistical analysis of assessment monitoring of the CCR monitoring well network identified radium-226+228, arsenic, and lithium to be present at SSLs above the respective GWPS in groundwater samples from CCR monitoring wells listed below (Golder 2018b):

Appendix IV Parameter	GWPS	CCR Monitoring Well at SSL
Arsenic	0.010 mg/L	CCR-11 and CCR-12
Lithium	0.040 mg/L	CCR-5, CCR-6, CCR-9, and CCR-13
Radium-226+228	7.94 pCi/L	CCR-4, CCR-5, CCR-7, CCR-13 and CCR-14

pCi/L - Picocuries per liter

mg/L - milligrams per liter

The BSA is a unit that historically has received CCR generated by Unit 3 at the MPP, including fly ash, bottom ash, synthetic gypsum and stabilized flue gas desulfurization (FGD) material. The BSA encompasses approximately 44 acres and is located east of Unit 3 and adjacent to Fish Lake, Lakes B, C, and D, the south sedimentation pond, and the Stackout pad (Figures 2 and 3). The BSA, constructed in the 1980s, is an above-grade earthen containment unit surrounded by a perimeter ditch system.

[1] Chapter 40 Code of Federal Regulations (CFR), Part 257, Subpart D.

[2] Chapter 40 CFR Section 257.95(g)(3)(ii).

2.0 PURPOSE AND BACKGROUND

2.1 Purpose

The purpose of this report is to provide information about a potential alternate source(s) for radium-226+228 that has been detected in groundwater from CCR monitoring wells at SSLs. The report presents a literature review of naturally occurring radioactive soils at the site and surrounding area (study area) and results of groundwater and soil assessments conducted at the site in February and March 2019.

This ASD report presents a description of the BSA and associated CCR monitoring well network, regional geologic and hydrogeologic conditions, site-specific hydrogeologic settings, a discussion on naturally-occurring radionuclides present in soil, sediment, and groundwater in central Florida; historical mining operations in the study area and at the BSA; and a review of historic aerial photographs and topographic maps of the BSA. Site characterization involved the installation of several soil borings / soil sampling adjacent to the monitoring wells where radium-226+228 was at SSLs in groundwater, as well as, the installation of additional soil borings, soil and sediment sampling, installation of "nature and extent" monitoring wells located hydraulically downgradient of the BSA, and groundwater and surface water sampling to evaluate the nature and extent of radium-226+228, arsenic and lithium for the SSLs in groundwater. Figure 4 presents the CCR monitoring well network (CCR-1 through CCR-14) and recently installed monitoring wells (CCR-15 through CCR-23) and existing MMP compliance monitoring wells[3] MW-24S, MW-25S, and MW-26S, which were used to evaluate the nature and extent of groundwater impacts at the BSA. Figure 4 also shows the location of soil borings drilled as part of site characterization. Site characterization included a geochemical assessment of select soil, sediment, and groundwater samples. This ASD also includes a mineralogical assessment for natural occurring radioactive minerals on select soil samples collected from the boreholes drilled adjacent to the CCR monitoring wells with radium-226+228 at SSLs above the GWPS (CCR-4, CCR-5, CCR-7, CCR-13, and CCR-14) and background well CCR-2.

2.2 Background

Radioactive decay products from naturally occurring radionuclides (e.g. uranium and thorium) are potential sources of radium-226+228 present in groundwater of the uppermost aquifer around and beneath the BSA. Past regional mineral resource evaluations reveal significant uranium-238 and other accessory constituents are associated with the phosphate ore that was mined at and near the BSA. Radium-226 and radium-228 are formed from the radioactive decay of uranium-238 and thorium-232, respectively. Radium-226 has a half-life of 1600 years and decays to form radon-222; radium-228 has a half-life of 5.8 years and decays to form actinium-228 (IAEA 2014).

Mining techniques used at the site prior to the construction of the BSA, typically resulted in fine-grained phosphatic materials (unrecoverable product) being left behind as mine tailings. Based on historic aerial photographs and topographic maps, a significant portion of the BSA footprint was constructed on previously mined land that was reclaimed (backfilled) with these fine-grained phosphatic mine tailings. Naturally occurring radionuclides are associated with phosphatic minerals, therefore, the mine tailings and unmined earth likely contain naturally occurring radionuclides. Also, a smaller portion of the land below ground surface (bgs) at the

[3] MPP compliance monitoring is performed in accordance with the Conditions of Certification for the site.

BSA was likely unmined, due to mining limitations such as pit side-slope stability and setback considerations in proximity of surface water, roads, etc. Therefore, unmined phosphate minerals may exist in these areas.

Several soil borings drilled within the footprint of the BSA before its construction indicate the presence of phosphate materials, including the following:

- TH-10 (phosphate matrix material)
- TH-11 (clayey sand with phosphate)
- BH-11, TH-12 (sandy clay with phosphate)
- BH-13 (cemented silt with phosphate)

The locations of these, and other soil borings, and the associated cross-sections are shown in Appendix A.

3.0 REGIONAL AND SITE SETTING

3.1 Regional Geology

The MPP is located within the Central Florida Phosphate District, an area of economically important, high-grade phosphate deposits in the Lakeland Ridge and Polk Upland geomorphic provinces (Hurst and others 2016). Stratigraphic nomenclature in this District has evolved over the past 100 years, resulting in confusion when comparing literature discussing geology of the mining district. Lithologic/stratigraphic descriptions for older mines use stratigraphic nomenclature developed by Cathcart (1964). The updated stratigraphic nomenclature presented by Scott (1986 and 2016) is commonly used in more recent publications and is referenced in this summary report.

Stratigraphic units present in the region consist of (in descending order; youngest to oldest):

- Up to 25 feet (ft) of Holocene to Pliocene-age sands and clays occur in the Lakeland area (FGS 1991). The Holocene-age sands consist of laterally restricted deposits such as stream flood plains, beaches, swamps, marshes, and lakes. The Pleistocene to upper Pliocene-age sands and clays are locally phosphatic and generally occur as laterally consistent terrace deposits.
- The Miocene to Oligocene-age Hawthorn Group has an approximate thickness between 50 and 100 ft in the Lakeland area and is comprised of the Peace River and Arcadia Formations. In Polk County, the upper portion of the Peace River Formation includes the Bone Valley Member, which is characterized by phosphate-rich, pebbly- and clayey-sand soils overlain by weathered residuum (Scott 1988). Economic quantities of minable, phosphate-bearing minerals occur within the Bone Valley Member. The remainder of the Peace River Formation is undifferentiated, largely being comprised of sandy, phosphatic dolostone interbedded with laterally discontinuous layers of sand, clay, and limestone. The Arcadia Formation underlies the Peace River Formation and is comprised of clayey dolostone and limestone of the Tampa and Nocatee Members (Scott 1988). The top of the Hawthorn Group experienced significant karstic solutioning when sea levels declined, resulting in an irregular erosional surface with abundant depressions and hills. A layer of phosphatic conglomerate is located on this surface, providing further support that the contact between the surficial sands and clays and underlying Hawthorn Group is unconformable (Cathcart 1964). The estimated thickness of the Hawthorn Group in the vicinity of the MPP is approximately 40 to 60 ft (Cathcart 1964).
- Older units underlying the Hawthorn group in the region include the Suwannee Limestone, Ocala Limestone, Avon Park Formation and Oldsmar Formation. These units are Oligocene to Eocene age and are primarily comprised of limestone and/or dolostone, and generally do not contain economic quantities of phosphate-bearing minerals.

3.2 Regional Hydrogeology

The regional hydrogeology is comprised of three major hydrostratigraphic units: the unconfined surficial aquifer, the intermediate aquifer/confining unit, and the Floridan aquifer. The following discusses each system in its regional context:

- The unconfined surficial aquifer underlies all of Polk County and varies from less than 25 to 50 ft thick in northern Polk County (FGS, 1991). This water-table aquifer consists primarily of Holocene- to Pliocene-age sand, clay, shell, and phosphate deposits that are contiguous with the ground surface.

The base of the surficial aquifer system is formed by the clayey, less permeable beds of the Peace River Formation – Bone Valley Member (Scott 1988). The surficial aquifer system is used primarily for residential low-volume irrigation applications (e.g. lawn watering) where high discharge rates are not required (Scott 1988). Transmissivity within the surficial aquifer ranges from 2 to about 20 square ft per day (ft^2/day), where fine clayey sand predominates, to greater than 5,000 ft^2/day in shell beds (Golder 2005). Regional groundwater flow in the surficial aquifer typically mimics ground surface topography. The surficial aquifer is discharged by natural gravity flow, evapotranspiration, discharge to lakes, downward loss into underlying aquifers, and pumping from wells. The surficial aquifer is recharged by rainfall, infiltration and discharge from lakes, and stormwater.

- The hydrostratigraphic unit that underlies the surficial aquifer is referred to as the intermediate aquifer/intermediate confining unit. The intermediate confining unit is largely comprised of clayey sand, sandy clay and clays and underlying clayey dolomite and limestone of the Hawthorn Group.
- The confined, artesian Floridan aquifer is the principal aquifer in Polk County and is the source of major municipal, industrial, and irrigation water supplies. This aquifer occurs primarily within the Ocala Limestone and is locally hydraulically connected with the overlying intermediate aquifer/confining unit, where present, in areas where the confining unit is absent or breached. There is limited recharge to the Floridan aquifer near the MPP due to the presence of the confining unit. Transmissivity of the upper Floridan aquifer is highly variable, and ranges from less than 50,000 ft^2/day to greater than 9,000,000 ft^2/day. The potentiometric surface of the aquifer occurs at an elevation of approximately 75 ft above National Geodetic Vertical Datum or approximately 70 ft bgs in the area of the MPP with regional groundwater flow generally to the south-southwest (FGS 1991). Due to the relatively thick and continuous intermediate confining unit separating the Floridan aquifer from the surficial aquifer, exchange of groundwater between the two aquifers is limited beneath the MPP (Golder 2005).

3.3 Site Hydrogeology and BSA Monitoring Well Network

The BSA is underlain by two regional aquifers, the surficial aquifer and Floridan aquifer which are separated by an intermediate confining unit. The surficial aquifer represents the uppermost aquifer and is approximately 25 ft to 30 ft thick beneath the BSA (Golder 2005). The surficial aquifer consists primarily of Holocene- to Pliocene-age sand, clay, shell, and phosphate deposits. Groundwater in the surficial aquifer generally flows from topographic highs to topographic lows. Underlying the surficial aquifer below the BSA is the intermediate confining unit, which ranges in thickness from approximately 40 to 50 ft and consists of interbedded clay with silty to sandy clay, silt to clayey sand, sand to clayey silt, and limestone (Golder 2005). There is a small component of groundwater flow in the surficial aquifer that is vertically downward toward the intermediate confining unit, and Floridan aquifer. However, this vertical flow component is retarded by the clayey materials of the underlying intermediate confining unit (Golder 2005).

The CCR monitoring network at the BSA includes two background monitoring wells, CCR-1 and CCR-2, and twelve downgradient monitoring wells, CCR-3 through CCR-14[4], installed at waste boundary and screened in the uppermost aquifer. Screened intervals in each of the monitoring wells, range from 15 to 25 ft bgs.

[4] Monitoring well CCR-10 was abandoned and replaced with CCR-10R on March 13, 2018 (Golder 2018a)

Groundwater in the surficial aquifer beneath the BSA has been documented to flow radially away from the BSA, with flow to the north toward Lake B, to the west toward Fish Lake, and to the east toward Lakes C and D (Figures 5 and 6). An area to the southwest of the BSA is hydraulically upgradient or side-gradient to the BSA, depending on site conditions that affect groundwater flow (e.g., surface water elevations, amount of precipitation, etc.), while the areas to the west, north and east are hydraulically downgradient of the BSA.

4.0 REGIONAL PHOSPHATE MINING

Land-pebble phosphate, hard-rock phosphate, and river-pebble phosphate are the three types of phosphatic ore found in Florida. The BSA is in one of the most productive areas of the land-pebble phosphate mining district. The land-pebble phosphate district was of economic interest not only to the minerals and fertilizer industry, but also to the United States Atomic Energy Commission (USAEC) during the twentieth century because land-pebble deposits contain a type of phosphate with elevated concentrations of uranium (Cathcart 1949). This section summarizes historic stratigraphy of mined land[5] near the BSA, uranium associated in the economic mining of calcium phosphate and aluminum phosphate zones, and the history of mining in the study area.

4.1 Historic Mining Related Stratigraphy

The stratigraphy near the BSA that was likely disturbed by historic mine activities, is presented below:

- Surface deposits consisted of windblown sand and swamp muck that range in thickness of up to 5 ft (Cathcart 1964).
- The Bone Valley Member[6] is divided into two distinct stratigraphic units, an upper unit of clayey sand and a lower phosphatic unit. The upper unit ranged in thickness from 0 to 25 ft and averaged about 8 ft (Cathcart 1964). It included light-colored clayey sand containing traces of phosphate nodules at the unit's base characterized by kaolinite and aluminum phosphate minerals.
- The contact between the upper and lower units of the Bone Valley Member is gradational over a few inches throughout most of the United States Geological Survey (USGS) Lakeland, Florida 7.5-minute quadrangle (Cathcart 1964). The lower unit ranges in thickness from minimal thickness to 35 ft, averages about 10 ft and contains most of the economic phosphate (Cathcart 1964). This unit is predominantly a clayey sand or a sandy clay, but beds of loose phosphate sand or fine-grained conglomerate are common. Beds of the lower unit locally contain phosphate nodules that range in size from fine sand to gravel (coarse pebble). The phosphate nodules are predominantly light colored—white, light brown and tan, gray; however, a few are amber or black.
- Due to mining, most of the Bone Valley sediments have been removed and reworked to recover phosphate. Mining in the vicinity of the BSA likely extended and stopped before, at, or slightly into the upper part of the Arcadia Formation**,** which underlies the Peace River Formation (Bone Valley Member). The upper portions of the Arcadia Formation consist of clayey sand and the lower portion of the formation is calcareous, and correlates to the upper portion of the intermediate confining unit at the site.

4.2 Uranium Associated with the Calcium Phosphate and Aluminum Phosphate Zones

The aluminum phosphate zone is formed by downward-percolating acidic water. The aluminum phosphate zone is not a stratigraphic unit but may include the various named and/or renamed beds/members of the Bone Valley strata. The physical and chemical characteristics of the zone vary.

[5] Historic stratigraphic nomenclature differs from the regional/site geology included in Section 3 of this report.

[6] Later in the twentieth century the stratigraphic nomenclature was refined such that Bone Valley Formation isn't currently used, rather, the recent nomenclature includes Peace River Formation and its upper unit is the Bone Valley Member, both of which belong to the Hawthorn Group.

Typically, it is a white, light gray, tan, or gray-green clayey sand containing no visible phosphate except near the base, and in some areas the base of the zone is characterized by lumps, fragments, or beds of sandrock. According to Altschuler, Clarke, and Young (1958), the most completely leached part of the zone is characterized by the aluminum phosphate mineral wavellite, the less weathered parts by calcium aluminum phosphate minerals, and the unweathered part by the calcium phosphate mineral carbonate-rich fluorapatite. The principal clay mineral in the weathered (leached) parts is kaolinite, whereas montmorillonite is characteristic of the unweathered parts. The aluminum phosphate zone is high in uranium, which typically is concentrated in the finest (slime) fraction (Cathcart 1964).

The calcium phosphate zone within the Bone Valley Member underlies the aluminum phosphate zone. Both the aluminum phosphate and calcium phosphate zones are present at the borehole drilled in 1953 by the USAEC, at the 40-acre tract where the southern region of the BSA and the other 26 holes drilled in 1953 at the Lake Parker Tract (Cathcart 1964) (see Section 4.3 of this report). The calcium phosphate zone consists of unconsolidated sand, clayey sand, and sandy clay containing abundant nodules of calcium phosphate. The ore zone, referred to by miners as the matrix section, is contained with the calcium phosphate zone (Cathcart 1964). In general, the coarse phosphate fraction (+20 or +24 mesh) of the calcium phosphate zone contains less phosphorus pentoxide (P_2O_5) and generally more uranium than the fine phosphate fraction (-20 to +150 mesh), which is characteristic of the land-pebble phosphate district (Cathcart 1964). At the Lake Parker Tract (nearest the BSA), however, the coarse phosphate fraction contains more P_2O_5 than the fine fraction (Cathcart 1964). The following is based on the analyses the borehole drilled in 1953 by the USACE at the 40-acre tract where the southern portion of the BSA exists, in accordance with Cathcart (1964):

- Uranium is removed (leached) from the coarser (pebble and sand) fractions of the sample collected from approximately 17 to 26 ft below the 1953 ground surface,
- Uranium is concentrated to some degree in the fine slime fraction[7] of the same 17 to 26 ft bgs sample, and
- Uranium is highly concentrated in the pebble and slime fractions of the 26 to 30 ft bgs sample.

4.3 History of Mining in the Vicinity of the BSA

Mining for phosphate was active at several locations in the Lakeland Quadrangle from about 1914 through the 1980s. Some areas that were completely mined in the early twentieth century exist today as lakes, indicating that mining was likely hydraulic[8] instead of dragline (Cathcart 1964). Early mining, approximately three miles south of Lake Parker in the Pauway area, was by hydraulic methods for the pebble fraction only; later mining was by dragline for the overburden, but hydraulic monitors (water cannons) were used to move ore (Cathcart 1964). Some washer debris from early mine operations was in part re-mined (Cathcart 1964), but the technology at that time was insufficient at recovering the finer grain-size phosphate, thus finer materials were not recovered or were returned to the mine cut (Moudgil, 1992).

[7] Slimes refers to fines, like silts/clays, passing a 150 mesh screen – less than approximately 0.1 millimeter in diameter. The fraction likely left behind and/or unmined at the BSA.

[8] Hydraulic mining is performed using high-pressure jets of water to dislodge rock material.

The American Cyanamid Co. operated its Saddle Creek Mine (T28S/R24E) from 1942 to 1957, and subsequently moved to the Orange Park Mine (Cathcart 1964). The Saddle Creek area was mined with draglines; both pebble and flotation concentrates[9] were recovered. The Orange Park Mine (T27S/R24E) started operating in April 1957 and was active in the 1960s (Cathcart 1964). Mining was by large draglines, flotation cells were used, and hydrocyclones[10] were used for primary desliming. Coronet Phosphate Co. began operation of its Tenoroc Mine (T27S/R24E) in 1951, and the mine continued to operate into the 1970s while the MPP was being developed. Mining at Tenoroc was for flotation concentrate and pebble; draglines were used to mine the overburden and phosphate (Cathcart 1964).

4.3.1 Lake Parker Tract

The Lake Parker tract included nearly 1,300 acres in portions of Sections 28 and 33: T27S/R24E, and Sections 3 and 4: T28S/R24E. The BSA, Fish Lake, and Lakes B, C, and D exist in portions of the same Sections. In 1953, the mining company, Coronet Phosphate Company, drilled 27 holes, under contract to the USAEC, at a spacing of 1 hole per 40-acre block (Cathcart 1964)[11]. The calcium phosphate zone, which includes the economic phosphate deposit, and the aluminum phosphate zone, which includes some possibly economic phosphate and concentrated uranium, are both present in all 27 holes in the Lake Parker tract. Relations of the two zones are graphically shown below.

[9] Concentrate refers to the fine phosphate product, 1.17 mm to 0.104 mm in grain size. Material of this grain size is treated in flotation cells to separate the phosphate from the quartz sand. The phosphate product is the concentrate (Cathcart 1963, page 11).

[10] Hydrocyclones are typically funnel-shaped equipment used to separate materials by particle size.

[11] The Lake Parker tract had not been mined as of the 1964 reference publication date. The area that has recently become the Florida Fish and Wildlife Conservation Commission Teneroc Public Use Area (PUA) was extensively surface mined for phosphate through 1978. The western portion of the PUA was part of a wetland system associated with Lake Parker. The area that became Tenoroc was extensively surface-mined between 1950 and 1978 by the Coronet Phosphate Company, the Smith-Douglass Company, and Borden, Inc.

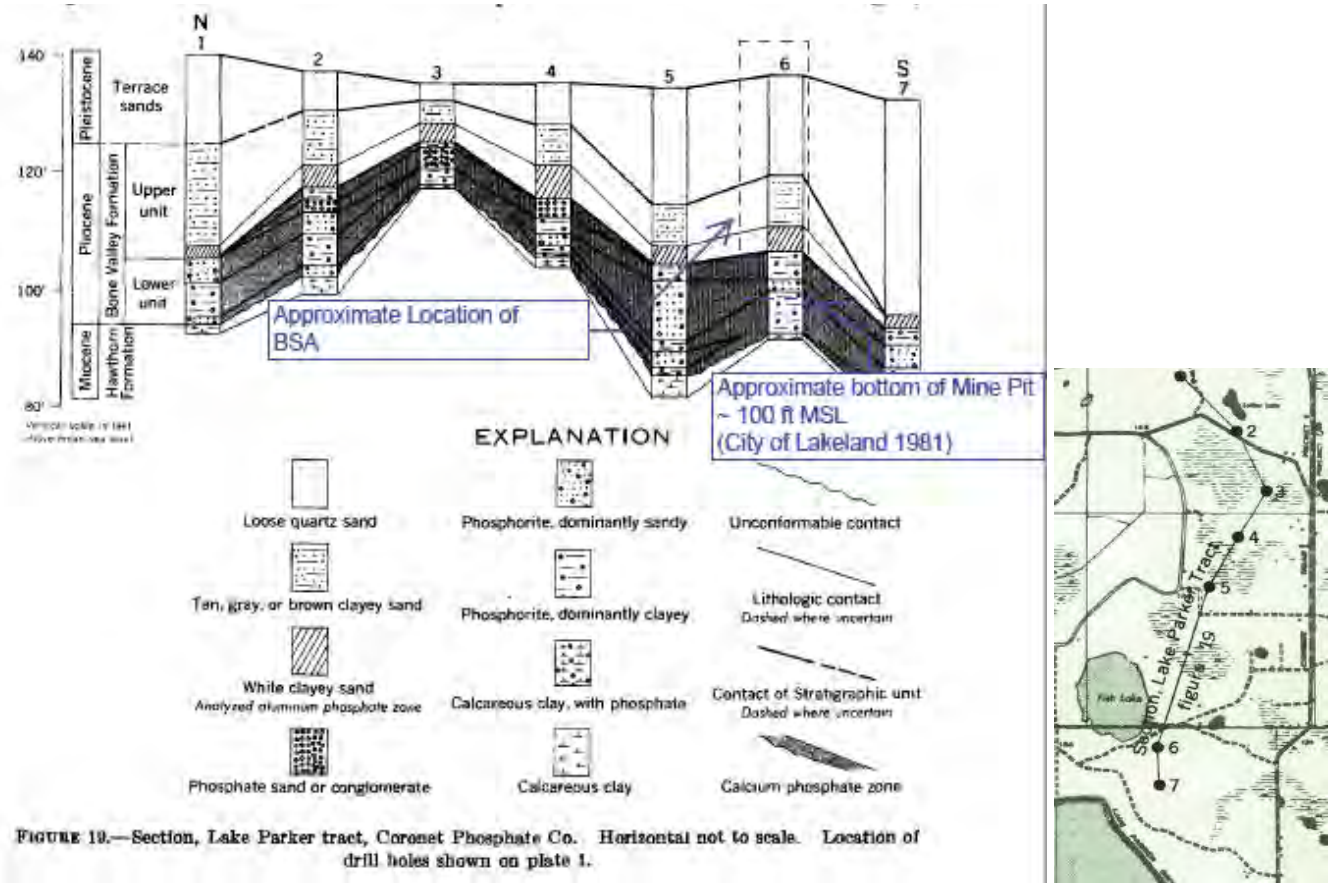


FIGURE 19.—Section, Lake Parker tract, Coronet Phosphate Co. Horizontal not to scale. Location of drill holes shown on plate 1.

Source for above base imagery: Cathcart 1964 – Image to the right of the section depicts approximate section/drill hole locations from Plate 1. Drill hole locations #6 and #7 are nearest the BSA location. Appendix B to this report includes a copy of the City of Lakeland 1981 Landfill Design Survey Drawing No. 229101.

Results of the analyses performed for the USAEC on samples collected in 1953 from the same 40-acre tract where the south region of the BSA exists are summarized below:

TABLE 18.—*Analytical data, aluminum phosphate zone, NE¼NW¼ sec. 4 T. 28 S., R. 24 E.*

[Leaders (....) = below limit of detection, taken as 0.0 percent. Analyses by Coronet Phosphate Co. chemists, under contract to the U.S. Atomic Energy Comm. Pebble = +20 mesh; sand = −20+150 mesh; slime = −150 mesh; head = computed from pebble, sand, and slime fractions. From 0 to 17 ft below surface is loose quartz sand, not sampled; from 30 to 44 ft is calcium phosphate zone]

Fraction	Weight percent	Chemical analyses, in percent					
		P_2O_5	CaO	Insoluble	Al_2O_3	Fe_2O_3	U
Top sample; 17–26 ft below surface							
Pebble	0.3	2.55	1.01	92.42	2.18	0.42	0.0001
Sand	70.4	.33	....	98.13	.28	.18	....
Slime	29.3	6.79	3.36	64.74	14.62	.40	.010
Head	100.0	2.23	.90	88.24	4.48	.25	.002
Bottom sample; 26–30 ft below surface							
Pebble	0.5	14.18	8.52	56.57	11.96	0.68	0.047
Sand	62.4	.80	2.77	96.63	.85	.17	.001
Slime	37.1	5.08	1.50	72.81	12.50	.28	.022
Head	100.0	2.45	2.33	87.61	5.22	.21	.010

Source for above: Cathcart 1964.

The Top sample (17 to 26 ft bgs) tabulated above is described as more thoroughly leached, has less calcium oxide (CaO) and uranium, and slightly less P_2O_5 than the Bottom sample (26 to 30 ft bgs); both have similar aluminum oxide (Al_2O_3) concentrations. The P_2O_5 content, originally as apatite (calcium phosphate), is dissolved and combines with alumina to form the relatively insoluble aluminum or calcium aluminum phosphate minerals. Uranium is not taken up by the aluminum phosphate minerals but combines with the calcium phosphate minerals. Uranium is removed from the coarser fractions of the top sample, is concentrated to some degree in the slime fraction[12] of the top sample and is highly concentrated in the pebble and slime fractions of the lower sample (Cathcart 1964).

4.3.2 Orange Park Mine

The Orange Park Mine consisted of two tracts of land: The Orange tract and the Park tract.

- The Orange tract included land in Section 28: T27S/R24E which includes the north portion of Lake B, which is adjacent to the BSA. Lake B extends into Section 28.
- The Park tract included land in Section 33: T27S/R24E, which includes portions of the BSA, Fish Lake, Lake B, and Lake C; and in Section 5: T28S/R24E, which includes portions of the MPP, Lake Parker, and Horseshoe Lake.

[12] Slimes refers to fines, like silts/clays, passing 150 mesh screen – less than approximately 0.1 millimeter in diameter, which represent the fraction likely left behind and/or unmined at the BSA.

The American Cyanamid Company started mining in the Orange tract in 1957. In 1954, the company drilled 57 holes at the Orange tract and 33 holes at the Park tract, under contract to the USAEC, spaced one in each 40-acre tract in effort to cover most of the property.

In the southern part of the area (in the Park tract), the calcium phosphate zone averaged 9 ft in thickness and included rocks[13] of the Hawthorn Group, Bone Valley Member and/or Peace River Formation at almost every drill hole. The relations are depicted below: the calcium phosphate zone is entirely within the Hawthorn Group Peace River Formation at hole A (shown as Hawthorn Formation on log); at hole B, the calcium phosphate zone is divided about equally between the Hawthorn Group, Peace River Formation and Bone Valley Group (shown as Bone Valley Formation on log); and, at hole C, the calcium phosphate zone is entirely within the Bone Valley Group (Cathcart 1964).

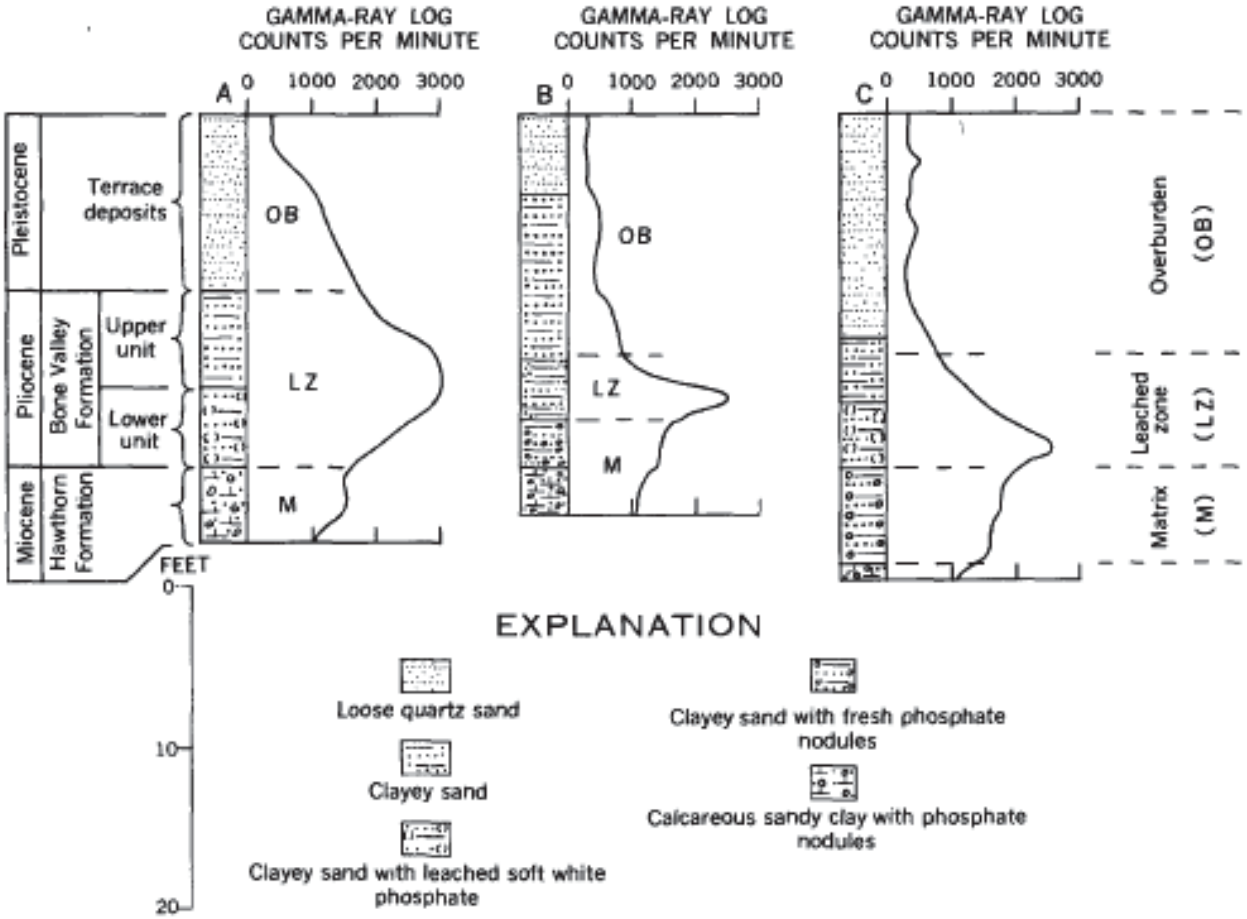


FIGURE 17.—Typical drill hole and gamma logs, Orange Park tract. Location of drill holes shown on plate 1.

Source for above: Page G86 Cathcart US Geologic Survey (USGS) 1964.

[13] In more recent stratigraphic nomenclature, this rock mentioned by Cathcart (1964) likely limestone or dolomite, is likely phosphatic, would today likely be assigned to the Arcadia Formation of the Hawthorn Group.

4.3.3 Teneroc Mine

The Tenoroc Mine is located just east of the BSA with the nearest operations approximately one mile from the BSA in Section 34: T27S/R24E and Section 2 and/or 3: T28S/R24E. Mining by Coronet Phosphate Company started in 1951. In 1953, the company drilled 39 holes under contract to the USAEC. In an area of about 2,000 acres, the holes were drilled at a spacing of one in each 40 acres. One sample each of the aluminum phosphate zone and the calcium phosphate zone were collected at each drill hole and were analyzed. Select laboratory and drilling results for samples, including samples from the Teneroc Mine are listed in Tables 8 and 13 and Figure 18 from Cathcart 1964. The analytical data, screen data, and stratigraphic and economic geologic cross-section shown below further demonstrate the abundance of phosphate present in the study area.

TABLE 8.—*Analytical data, calcium phosphate zone, Lakeland quadrangle*

[NA, no analysis reported. Analytical data by American Cyanamid Co. and Coronet Phosphate Co., under contract to the U.S. Atomic Energy Comm.]

Number of drill holes	Location	Fraction (mesh size)	Chemical analyses, average, (in percent)				Ratio U:P_2O_5 (average)
			P_2O_5	I and A[1]	Acid insoluble	U	
90	Park and Orange tracts, T. 27 S., R. 24 E.	+20	33.9	2.39	7.20	0.012	1:2820
		−20+150[2]	35.0	2.28	4.24	.010	1:3500
		−150	19.8	12.85	32.57	.011	1:1800
		Head[3]	23.1			.008	
39	Tenoroc mine, T. 27 S., Rs. 24 and 25 E.	+24	31.8	2.33	8.14	.015	1:2120
		−24+150[2]	35.2	1.83	1.88	.010	1:3520
		−150	14.7	NA	42.69	.011	1:1340
		Head[3]	12.1			.006	
27	Lake Parker tract, T. 28 S., R. 24 E.	+24	32.2	3.31	9.67	.015	1:2150
		−24+150[2]	31.4	2.01	2.30	.012	1:2620
		−150	16.8	NA	39.55	.010	1:1680
		Head[3]	12.6			.006	

[1] Percent $Fe_2O_3+Al_2O_3$.
[2] Concentrate fraction—quartz sand removed by flotation.
[3] Calculated, assuming that the sand tailing contained 2 percent P_2O_5 and 0.002 percent U.

TABLE 13.—*Summary of screen data and chemical analyses, aluminum phosphate zone, Lakeland quadrangle*

[Analyses by American Cyanamid Co. and Coronet Phosphate Co., published with permission]

Number of samples	Screen data		Chemical analyses, in percent					Ratios	
	Size	Weight percent	P_2O_5	CaO	U	Al_2O_3	Fe_2O_3	CaO:P_2O_5	U:P_2O_5
Lake Parker tract, T. 27 S., R. 24 E.; T. 28 S., R. 24 E.									
27	+24	1.1	13.09	3.97	0.009	11.50	0.56	0.303	1:1450
	+150	68.4	.72	.08	.0001	.56	.26	.111	----------
	−150	30.5	6.10	3.64	.012	8.28	.71	.597	1:510
	Head	100.0	2.52	1.24	.004	3.05	.40	.492	1:630
Tenoroc mine, T. 27 S., R. 24 E.; T. 27 S., R. 25 E.; T. 28 S., R. 24 E.									
39	+24	0.7	11.99	5.88	0.005	8.42	0.80	0.490	1:2390
	+150	72.1	.52	.37	.0001	.41	.31	.712	----------
	−150	27.2	5.42	3.65	.009	6.94	.86	.673	1:600
	Head	100.0	1.93	1.30	.0025	2.28	.46	.674	1:770
Orange tract, T. 27 S., R. 24 E.									
57	+20	1.5	26.02	28.03	0.015	8.29	0.69	1.077	1:1630
	+150	56.7	2.25	2.08	.002	.78	.36	.924	1:1130
	−150	41.8	8.66	6.26	.017	11.10	1.22	.723	1:510
	Head	100.0	5.29	4.23	.008	5.17	.72	.800	1:660
Park tract, T. 27 S., R. 24 E.									
33	+20	3.2	31.84	34.09	0.016	8.11	0.91	1.071	1:1990
	+150	52.0	3.85	3.94	.003	.94	.41	1.023	1:1280
	−150	44.8	14.63	14.05	.018	11.64	1.89	.960	1:810
	Head	100.0	9.58	9.44	.010	5.97	1.09	.985	1:960

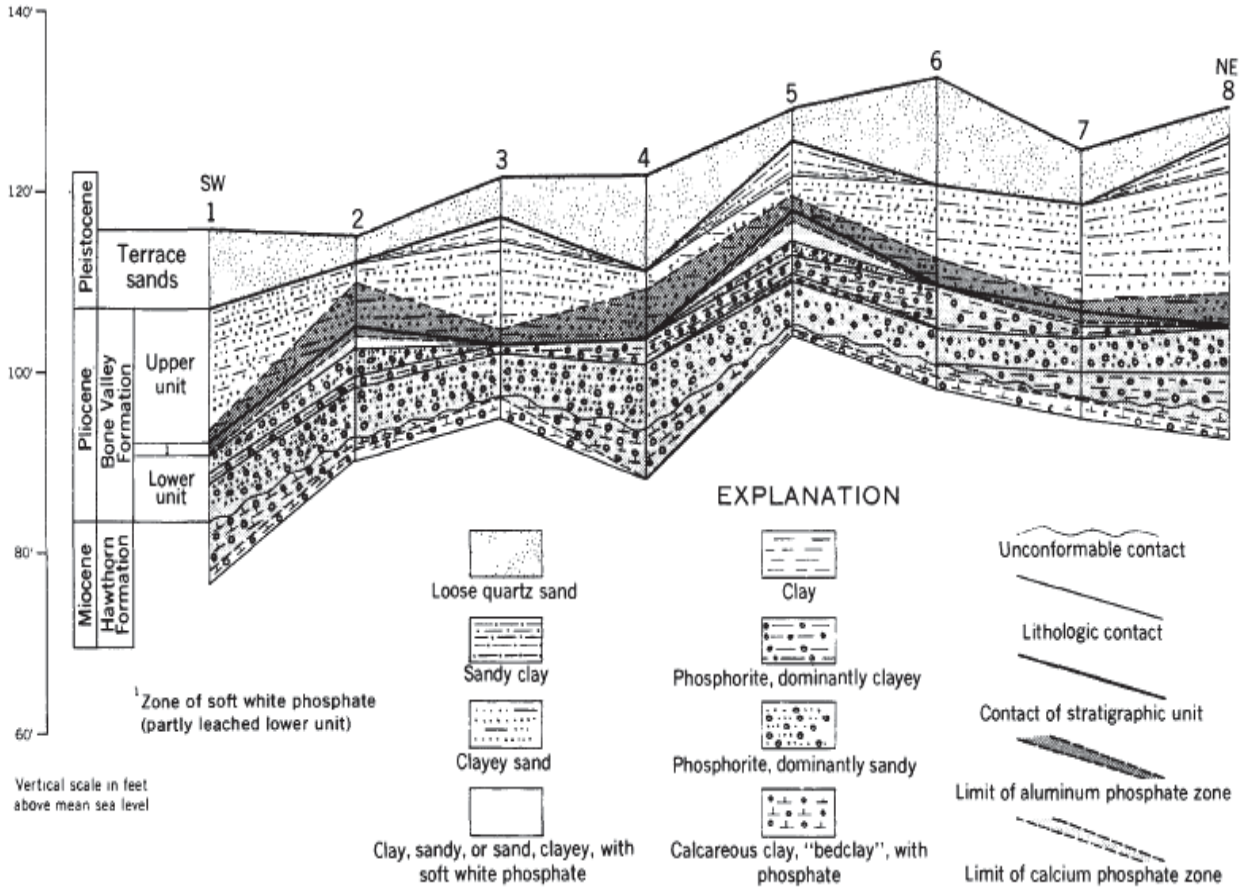


FIGURE 18.—Section, Tenoroc mine, showing relations of stratigraphy and economic geology. Horizontal not to scale. Location of drill holes shown on plate 1.

5.0 NATURALLY-OCCURING RADIONUCLIDE DISCUSSION

The following discussion provides information on the naturally-occurring radionuclides in the regional vicinity of the BSA:

- The Bone Valley Member contains high-grade phosphate rock in land-pebble form and is present and/or was mined just before construction of the BSA. In a report prepared for the USAEC, the USGS indicates the uranium occurrences in the Bone Valley Member were up to 0.1 percent (100 milligrams per kilogram or parts per million (ppm)) and are associated with the land pebble phosphate (Cathcart 1949).
- The BSA is located on former phosphate mined land which also included a mining pit/lake. The BSA and surrounding properties were mined in the early 1970s, at which time only coarser-grained pebble phosphate was recovered and the finer-grained (sand, silt, and clay) phosphate and associated minerals were left behind. An estimate of 20 to 30 percent of the phosphate (contained in the ore) is left behind with these finer-grained materials and/or returned to the mine cut or clay settling pond (Moudgil 1992). The mined land and lake were likely left behind with and/or infilled with these finer-grained material leftovers from mining and surrounding overburden.
- The southeastern coastal marine sediments of the Bone Valley Member contain naturally occurring phosphate minerals. Uranium and its decay products occur in significant quantities within these phosphate minerals and during the mid-1990s, 20 percent of the uranium produced in the United States was extracted from phosphate deposits in central Florida as a byproduct of fertilizer production (World Nuclear Association 2015).
- A typical Central Florida Phosphate district profile with average uranium concentrations listed per stratum is depicted below:

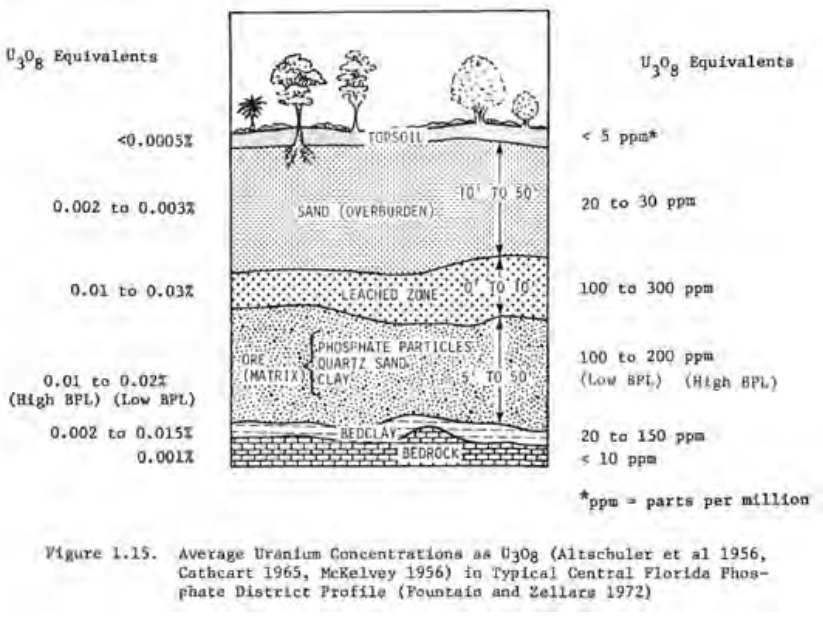


Figure 1.15. Average Uranium Concentrations as U_3O_8 (Altschuler et al 1956, Cathcart 1965, McKelvey 1956) in Typical Central Florida Phosphate District Profile (Fountain and Zellars 1972)

Source for above: Environmental Impact Statement: Central Florida Phosphate Industry: Volume II Background and Alternatives Assessment. EPA Nov 1978.

- Uranium in leached- and matrix-zones exhibits typical concentrations between 100 and 300 parts per million (ppm), which is approximately 1 to 2 orders of magnitude higher than U.S. coals and fly ash, respectively, as depicted below (USGS 1997, Figure 2):

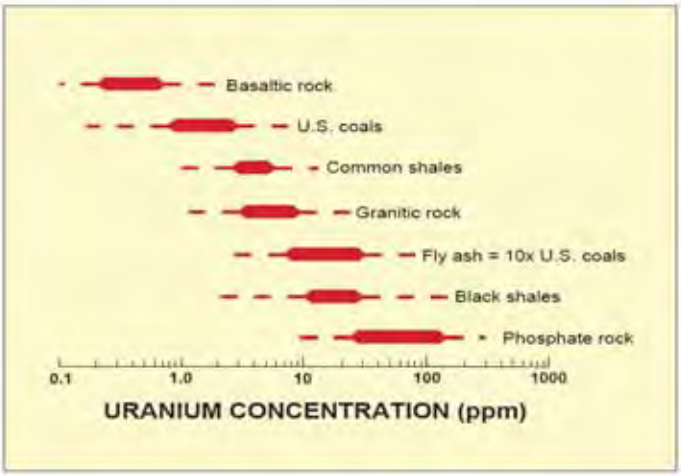
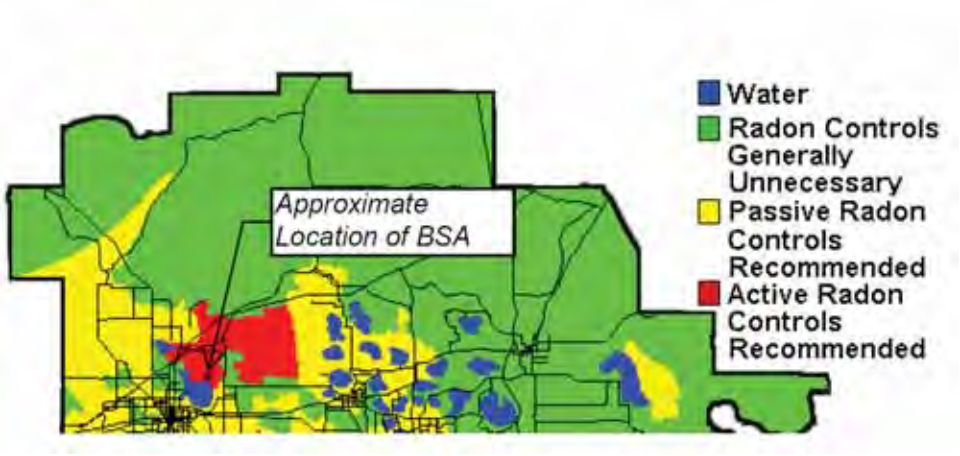


Figure 2. Typical range of uranium concentration in coal, fly ash, and a variety of common rocks.

Source of Figure 2 above: USGS 1997 Fact Sheet FS-163-97

- According to the Florida Department of Health (FDOH), the MPP is located in an area that is known to contain so much naturally-occurring radon, which is a daughter product of radium-226 decay, that the FDOH suggests buildings designed for construction on reclaimed mined land include active engineering controls in the effort to mitigate potential adverse health effects associated with human exposure to the natural radon gas. The following image is an excerpt from the Radon Protection Map for Polk County and depicts the approximate location of the BSA.



Source of above image of northern Polk County: http://www.floridahealth.gov/environmental-health/radon/maps/_images/POLK_LB.GIF (accessed November 16, 2018).

- Elevated levels of radon in structures built on reclaimed land suggest uranium and radium concentrations at shallow depths may be elevated relative to pre-mining levels. This is considered to occur when discarded fine-grained ore and leach zone materials are mixed with overburden materials as part of overall reclamation (Kaufman and Bliss 1977).
- Radon is a noble gas that sorbs little and does not participate in ion exchange; thus, its concentration can increase to high levels. Due to the short half-life (3.8 days) of radon-222, an abundance of radium-226 in subsurface materials is required to sustain high radon-222 levels (Miller 1985).
- Analysis by Miller (1985) suggests that a major fraction of radium-226 is released by alpha-particle recoil of thorium-230 or its precursors (uranium-234, protactinium-234, thorium-234, and uranium-238) to groundwater. Mineralized water competes with radium-226 for ion exchange and sorption sites and consequently results in elevated concentrations of dissolved radium-226. Miller contends that this process may explain the radium-226 concentrations present in groundwater in phosphate mining areas of Polk County.

6.0 AERIAL PHOTOGRAPHS AND TOPOGRAPHIC MAP SUMMARY

Based on Golder's review of documents including historic aerial photographs and topographic maps:

- The ground beneath BSA includes an area in the northeast region of the BSA identified as an abandoned phosphate pit (apparently the former southern finger of what is now identified as Lake B).
- Mining of the BSA and vicinity was active from 1971 through 1975.
- The western portion of the BSA likely was not mined as deep as other portions or at all due to mining limitations like pit side-slope stability setback considerations in proximity of surface water, roads, structures, etc., and therefore, phosphate matrix likely exists in these areas.

A summary of select historic aerial photographs and topographic maps reviewed is provided below. Appendix B provides copies of the photographs and maps:

Before the BSA:

- 1964 Plate 1 USGS Bulletin 1162-G (Cathcart 1964): includes approximate drill hole locations #6 and #7 along the Lake Parker Tract section line depicted in Section 4.3. of this report, drill hole locations #6 and #7 are nearest the BSA.
- 1968 Aerial Photograph: the east bank Horseshoe Lake is visible on the left side of the photograph. BSA vicinity prior to mining or site development activities.
- 1971 FDOT Aerial Photograph: An apparent dragline and perhaps pipelines are visible near the active mining just off the northeast corner of the BSA area.
- November 30, 1971 Aerial Photograph: Mining appears to be starting in the BSA area based on the ground surface appears to be stripped, and some tanks, pipelines, and/or a dragline is visible in the upper west area of the BSA near fish Lake.
- December 2, 1972 aerial photograph (on 1975 USGS Topographic Map): There is a region that appears to have been unmined and seems to have cast overburden at the western portion of the BSA south of Fish Lake between the visibly mined area and where the MPP generating area is now located and shore of Lake Parker, but some mining overburden may have been placed in this area. The mine pits appear to be holding water in the area where Lakes B, C, and D are currently located.
- 1973 Aerial Photograph (provided by Lakeland Electric with labels): Lake D appears to be undergoing mining. Some mine processing equipment appears to exist due south and near the bank of Fish Lake (near the approximate locations of monitoring wells CCR-13 and CCR-14).
- 1975 Aerial Photograph taken February 1, 1975 included on Map 2.1.1 Aerial Topographical Map dated 3/27/1978 for City of Lakeland MPP: mining appears to be recently active in the east and north areas of the BSA. South of the BSA and in the western/southernmost vicinity of the BSA the area is identified as, "Proposed Plant Boundary", and there is a region that appears to have been unmined and seems to have cast overburden at the western region of the BSA south of Fish Lake at the western region of the area between the visibly mined area and the MPP generating area and shore of Lake Parker.

- November 26, 1977 Aerial Photograph: Lakes B, C, and D created and left behind by the phosphate mining are visible. Mining does not appear to be actively ongoing in the photograph.

Post-Commencement of development of the Unit 3 at MPP:

- 1980 Aerial Photograph: Plant construction laydown roads (also drawn on the June 12, 1981 Existing Site Plan map) in the west area of the BSA are visible and some equipment/materials can be seen staged in this area. Lakes, including Lake B in the north BSA, created and left behind by the phosphate mining are visible.
- June 12, 1981 Existing Site Plan and April 7, 1981 Phase I Site Preparation Grading Plan for the City of Lakeland MPP landfill design: Topographic contours surveyed and depicted in the Lake B finger are labeled as abandoned phosphate mining pit in the BSA area. The pit appears to be approximately 20 ft deep with a base elevation of approximately 100 ft (USC&G Survey Datum).
- March 2, 1984 Aerial Photograph: A finger of Lake B, which is a manmade lake formed by mining, is visible in the BSA area. Lakes C and D, which were manmade by mining appear possibly interconnected.

7.0 SITE CHARACTERIZATION FOR RADIUM-226+228

The literature review for an ASD for radium-226+228 in groundwater is supported by data obtained from the February / March 2019 site characterization of and around the BSA, which was completed as part of the nature and extent investigation for radium-226+228, arsenic, and lithium SSLs in groundwater under the auspices of the assessment of corrective measures for the site. An assessment of corrective measures report will be included in the facility's operating records in accordance with §257.105(h)(10).

7.1 Field Investigation

Site characterization field investigation activities included an underground utility survey, collection of soil samples for a mineralogical assessment and chemical analysis, monitoring well installation and development, staff gauge installations, water-level data collection, and surface and groundwater sampling and analysis. Figure 4 presents locations of soil borings and monitoring wells installed and sampled as part of the site characterization.

Six boreholes were drilled using direct push technology (DPT) at locations adjacent to the CCR monitoring wells with radium-226+228 SSLs (CCR monitoring wells CCR-4, CCR-5, CCR-7, CCR-13, and CCR-14) and background CCR monitoring well CCR-2. These soil borings, designated CCR-2A, CCR-4A, CCR-5A, CCR-7A, CCR-13A, and CCR14A, were drilled to 30 ft bgs, and the soil boring logs are presented in Appendix C. Sixteen soil samples were collected from these six soil borings, ranging from 7 ft bgs to up to 29 ft bgs, for analysis. The soil samples are representative of the saturated uppermost aquifer downgradient of the BSA. A detailed mineralogical assessment of these 16 soil samples was conducted by Petrologic Solutions, Inc. under subcontract to Golder (see Section 7.2).

Nine soil borings were also advanced using DPT at proposed nature and extent monitoring well locations CCR-15 through CCR-23 to a depth of approximately 25 ft bgs. Soil samples were collected from these borings, as well as from soil boring CCR-4A, from approximately 24 ft bgs to 25 ft bgs and submitted, under chain-of-custody, for laboratory analysis of total uranium, iron, aluminum, arsenic, lithium, and phosphorus via EPA[14] Method 6020B, and for radium-226 and radium-228 via EPA Method 9315 and 9320, respectively, for samples from soil borings CCR-4A, CCR-15, CCR-16, CCR-18, CCR-22, and CCR-23. Soil samples were also collected from soil boring CCR-4A and from the soil borings advanced for the installation of nature and extent monitoring wells CCR-16 and CCR-20, from approximately 24 ft bgs to 25 ft bgs, and submitted, under chain-of-custody, for laboratory analysis of aluminum, arsenic, iron, and lithium via sequential extraction (EPA Method SW846 6010B SEP).

One shallow soil sample and one shallow sediment sample were also obtained from ground surface to 0.5 ft bgs. The soil sample, designated GSB-1, was collected east of the BSA and the sediment sample, designed Fish Lake-Sed, was collected from the bank of Fish Lake. Both samples were submitted under chain-of-custody for laboratory analysis. Soil sample GSB-1 was analyzed for total uranium, iron, aluminum, arsenic, lithium, and phosphorus via EPA Method 6020B and sediment sample Fish Lake-Sed was analyzed for total organic carbon via EPA Method Walkley-Black (USEA 2004a).

[14] EPA: United States Environmental Protection Agency.

A larger-diameter borehole was drilled, using hollow-stem auger drilling techniques, at locations where soil borings where previously drilled using DPT, to facilitate the installation of nature and extent monitoring wells CCR-15 through CCR-23. The monitoring wells were constructed of 2-inch diameter, flush threaded schedule 40 polyvinyl chloride (PVC), bottom cap, 0.006-inch slotted, 10-foot screen, and riser section.

The borehole annulus was filled with 30-45 graded silica sand to approximately 2 feet above the top of the screen interval, with approximately 2 feet of 3/8-inch bentonite chips placed atop. The remaining annulus was filled from bottom to top via tremie method with a neat Portland cement grout to just below ground surface. Monitoring wells CCR-15 through CCR-22 were completed above-grade with locking well caps and aluminum protective casings set into 2-foot by 2-foot by 4-inch concrete pads. Bollards were installed around each monitoring well for visibility and damage protection. Monitoring well CCR-23 was installed below grade, in a flush-mounted well casing set into a rebar reinforced 2-foot by 2-foot by 4-inch concrete pad without bollards (the well is installed in an access road). The newly-installed nature and extent monitoring wells were surveyed for elevation (top of well casing) and location and staff gauges were installed in Fish Lake and Lakes B, C, and D for surface water level elevation. Table 1 presents a summary of monitoring well construction details.

After development of the newly-installed wells, groundwater was collected from nature and extent monitoring wells CCR-15 through CCR-23, MW-24S, MW-25S, and MW-26S. Surface water samples were also obtained from Fish Lake, and Lakes B, C, and D. Chemical/geochemical analysis of groundwater and surface water samples included field parameters and radionuclides, nutrients, and major cations and anions. The rationale and methods used are as follows:

Field Parameters: Parameters measured in the field included pH, dissolved oxygen, oxidation reduction potential (ORP), conductivity, and temperature. These parameters were used to evaluate general geochemical conditions in the groundwater and support geochemical modeling.

Metals: Analysis of Appendix III and IV metals and uranium to better understand the geochemical composition of groundwater and surface water. Metals analysis allows for the delineation of a potential plume, evaluation of mineral saturation indices, and evaluation of background contributions from natural sources or anthropogenic sources (USEPA 1998).

Radionuclides: Analysis of radium-226 and radium-228 to better understand the nature and extent of radium in groundwater and surface water and evaluation of background contributions from natural or anthropogenic sources (USEPA 2014).

Major Cations, Anions, and Nutrients: Geochemical modeling of mineral solubility, metals attenuation and background contributions requires analysis of major cations and anions because they affect and participate in sorption and mineral dissolution or precipitation reactions.

The groundwater samples were analyzed using the following methods:

- pH following SW846 9040C “pH Electrometric Measurement” (USEPA 2004b)
- Total dissolved solids standard method (SM) 2540C “Total Dissolved Solids Dried at 180°C” (USEPA 1993a)
- Total hardness following SM 2340B (USEPA 1997)
- Chloride, fluoride, and sulfide following USEPA SW846 9056A “Determination of Inorganic Anions by Ion Chromatography”, Revision 1 (USEPA 2007c)

- Nitrate and nitrite following EPA 353.2 “Determination of Nitrate-Nitrite Nitrogen by Automated Colorimetry, Revision 2.0” (USEPA 1993b)
- Alkalinity following SM 2320B “Alkalinity by Titration” (USEPA 2005a)
- Phosphorus following SM 4500-P E “Phosphorus by Ascorbic Acid Method” (USEPA 2005b)

7.2 Summary of Results for Radium-226+228

Table 2 presents a summary of soil and analytical results. Radium-226+228 detected in soil samples from soil borings advanced in the surficial aquifer around the BSA was measured in six samples (soil sample CCR-4A, CCR-15, CCR-16, CCR-18, CCR-22, and CCR-23) as were total uranium and total phosphorus. Radium-226+228 ranged from approximately 0.6 pCi/g (CCR-18) to 76.6 pCi/g (CCR-4A). The presence of radium-226+228 correlates to the presence of uranium in soil samples of the surficial aquifer with a coefficient of determination (R^2) of 0.99, while total uranium also correlates to total phosphorus in soil samples of the surficial aquifer with a coefficient of determination of 0.80 (Appendix D). Based on these correlations and the known consistency of typical CCR (USGS 1997), it is considered highly likely that the presence of radium is due to the decay of naturally-occurring uranium in soils.

Results from a March 2019 groundwater sampling event for radium-226+228 in groundwater collected from nature and extent monitoring wells CCR-15, CCR-16, CCR-18, CCR-22, CCR-23, MW-25S, and MW-26S and for radium-226+228 in surface water samples collected from Fish Lake and Lakes B, C, and D are presented on Figure 7 and the results are summarized in Table 3. Historical groundwater sampling results for radium-226+228, from CCR monitoring wells, from August 2016 through January 2019, are also included on Figure 7 and in Table 4.

Radium-226+228 concentrations in groundwater sampled in March 2019 ranged from 1.1 pCi/L to 42.7 pCi/L. The concentration of radium-226+228 was above the site-specific GWPS of 7.94 pCi/L (Golder 2018b) in groundwater samples collected from nature and extent monitoring wells CCR-15, CCR-16, and CCR-22. The concentration of radium-226+228 detected in the groundwater sample collected from nature and extent well CCR-16 was higher compared to the corresponding hydraulically upgradient CCR monitoring well CCR-5 (Figure 7). Radium-226+228 concentration in groundwater varies in the vicinity of the BSA, likely due to natural variability of radium-226+228 in soils as well as in the phosphatic mine tailings used to backfill the mined area where the BSA was constructed. Radium-226+228 in lake samples (Fish Lake and Lakes B, C, and D) ranged from 1.4 pCi/L in Fish Lake to 5.3 pCi/L[15] in Lake D. Given the radial pattern of groundwater flow away from the BSA (Figure 5 and 6), Fish Lake, and Lakes B, C, and D are downgradient receptors of groundwater flowing from the BSA, and the concentration of radium-226+228 detected in these water bodies is below the Florida surface water quality criteria of 5 pCi/L (Chapter 62-302.530, F.A.C.). Furthermore, based on historical groundwater data (August 2016 to January 2019) of samples collected from the CCR monitoring well network, radium-226+228 shows a stable or decreasing trend at each CCR monitoring well (Table 4).

[15] Reported value meets State of Florida surface water quality criteria (Chapter 62-302.530, F.A.C.) for radium-226+228, in accordance with the rounding procedures described in the FDEP memorandum "Rounding Analytical Data for Site Rehabilitation Completion", dated November 17, 2011.

These soil and groundwater findings support the literature review indicating that the BSA and surrounding area are underlain by fine-grained phosphatic mine tailings and/or unmined phosphate deposits. Based on those findings, there is the high likelihood that radium-226+228 detected in groundwater is present as a product of the decay of a naturally-occurring uranium and thorium in soil and/or the mine tailings/phosphate deposits.

Further evidence for a naturally-occurring source for radium-226+228 in groundwater below and near the BSA is presented in a detailed mineralogical assessment of the underlying soils conducted by Petrologic Solutions, Inc. (Appendix E). The mineralogical assessment of soil samples included petrographic analysis, quantitative X-Ray Diffraction (XRD), Scanning Electron Microscopy (SEM), and additional bulk geochemistry. Results of the chemical and mineralogical assessment, coupled with Site and regional mineral resource evaluations, reveal the presence of naturally-occurring radioactive minerals associated with the phosphate ore mined at and near the BSA. These minerals include: eylettersite (thorium-bearing aluminum phosphate); wavellite (uranium-bearing aluminum phosphate); collophane, apatite, hydroxyapatite, and fluorapatite (uranium-bearing calcium phosphates) and zircon, rutile, and ilmenite (uranium-bearing oxides). As such, radium-226+228 present in groundwater below and in the vicinity of the BSA is considered to be naturally occurring and not due to a release from the BSA.

8.0 SUMMARY AND CONCLUSIONS

Radionuclides including radium-226 and radium-228 are naturally occurring in the study area and are associated with minerals in the phosphate matrix that was mined by the phosphate mining industry during the 1970s at the BSA prior to its construction. Radionuclides, including uranium, were detected in samples collected from approximately 26 to 30 ft bgs at the BSA during the 1950s. The upper portion of the phosphate matrix was mined in the north and west region of the BSA and phosphate matrix, tailings, and/or remnants, including the associated radionuclides, were left behind as backfill beneath the current BSA. Furthermore, a portion of the land beneath the BSA was likely not mined or partially mined, due to the proximity of the existing lakes, roads, and the MPP and therefore, phosphate ore likely exists in these areas. Based on the analysis presented in this report, uranium is most concentrated in the deeper phosphate bearing portions at the BSA site (e.g., approximately 26 to 30 ft bgs).

As previously presented, uranium concentrations in phosphate-bearing rocks exhibit typical uranium concentrations of up to 300 ppm, which is approximately 1 to 2 orders of magnitude higher than U.S. coals and fly ash, respectively (USGS 1997). The naturally occurring radionuclides in phosphate ore and mine tailings left behind underneath the BSA are conceivably at higher concentrations than CCR.

Findings of the geochemical assessments conducted for soil and groundwater at the site indicate that the BSA and surrounding area are underlain by fine-grained phosphatic mine tailings and/or unmined phosphate deposits. The concentration of radium-226+228 in groundwater in the vicinity of the BSA is shown to be variable, likely due to natural variations in soils as well as due to variations of radium-226+228 present in the phosphatic mine tailings used to backfill the mined area where the BSA was constructed. Furthermore, the detailed mineralogical assessment of the underlying soils conducted by Petrologic Solutions, Inc. reveal significant uranium and other accessory constituents associated with the phosphate ore mined at and near the BSA.

Therefore, based on the evidence presented herein, it is the opinion of Golder that radium-226+228 present in groundwater below and in the vicinity of the BSA is naturally occurring and not due to a release from the BSA.

9.0 PROFESSIONAL CERTIFICATION

This Alternative Source Demonstration for radium-226 and radium-228 in groundwater has been prepared for the Byproducts Storage Area at the C.D. McIntosh Power Plant, Lakeland, Florida. I hereby certify that the information contained in this report is accurate to the best of my knowledge as required by 40 CFR §257.95(g)(3)(ii).

Golder Associates Inc.



Samuel F. Stafford, P.E.

Florida Professional Engineer No. 78648

Certificate of Authorization No. 1670

Date 10 JUNE 2019

10.0 SIGNATURE PAGE

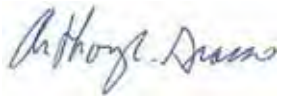
Golder Associates Inc.



Samuel F. Stafford, PE
Senior Project Engineer



Gregory A. O'Neal II, PG
Senior Geologist



Anthony L. Grasso, PG
Principal and Practice Leader

GAO/SFS/ALG/sjh

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TABLES

Table 1: Summary of CCR Monitoring Well and Nature and Extent Monitoring Well Construction Details
Byproduct Storage Area
Lakeland Electric - C.D. McIntosh Jr. Power Plant

Well ID	Date Installed	Northing (ft NAD83)	Easting (ft NAD83)	Ground Surface Elevation (ft NAVD88)	TOC Elevation (ft NAVD88)	Stick-up Height (ft ags)	Well Depth (ft bgs)	Screen Interval Depth (ft bgs)
CCR-1	6/24/2016	1362405.2	681287.1	138.3	141.30	3.0	25.7	15.7 - 25.2
CCR-2	6/23/2016	1362203.9	681787.6	137.6	140.57	3.0	25.8	15.7 - 25.2
CCR-3	6/23/2016	1362334.6	682451.3	137.5	137.04	-0.5	25.8	15.9 - 25.3
CCR-4	6/24/2016	1362450.0	683042.7	140.3	143.13	2.9	25.7	15.6 - 25.1
CCR-5	6/22/2016	1362716.0	683376.9	138.6	141.07	2.5	26.2	16.2 - 25.7
CCR-6	6/22/2016	1363168.4	683578.6	138.5	141.34	2.9	25.7	15.7 - 25.2
CCR-7	6/22/2016	1363631.9	683772.2	139.1	142.10	3.0	25.8	15.7 - 25.2
CCR-8	6/22/2016	1363917.6	683411.6	139.4	142.12	2.7	26.0	15.9 - 25.4
CCR-9	6/21/2016	1364085.2	683045.3	138.6	141.67	3.1	25.6	15.5 - 25.0
CCR-10 *	6/20/2016	1364309.4	682722.2	135.9	138.54	2.6	24.5	14.4 - 23.9
CCR-10R	3/13/2018	1364262.1	682706.3	133.8	133.56	-0.2	24.7	14.6 - 24.1
CCR-11	6/20/2016	1363835.4	682577.2	134.3	137.12	2.8	25.6	15.6 - 25.1
CCR-12	6/20/2016	1363353.1	682430.5	134.1	136.99	2.9	25.8	15.7 - 25.2
CCR-13	6/21/2016	1362936.6	682164.1	135.0	137.95	3.0	25.7	15.6 - 25.1
CCR-14	6/21/2016	1362771.1	681761.2	135.8	138.70	2.9	25.5	15.4 - 24.9
CCR-15	2/18/2019	1362341.3	683123.5	141.8	144.65	2.9	25.7	15.4 - 25.0
CCR-16	2/18/2019	1362533.2	683385.6	141.2	144.10	2.9	25.6	15.3 - 24.9
CCR-17	2/19/2019	1363019.9	683712.7	142.9	145.80	2.9	25.7	15.4 - 25.0
CCR-18	2/18/2019	1363631.1	683869.7	138.2	140.81	2.6	25.9	15.6 - 25.2
CCR-19	2/15/2019	1364205.4	683064.5	133.8	136.47	2.7	25.8	15.5 - 25.1
CCR-20	2/14/2019	1363855.5	682474.9	133.1	136.05	2.9	25.2	14.9 - 24.5
CCR-21	2/13/2019	1363454.0	682331.4	134.5	137.12	2.6	25.9	15.6 - 25.2
CCR-22	2/13/2019	1363017.4	682078.7	134.0	137.51	3.5	25.1	14.8 - 24.4
CCR-23	2/12/2019	1362812.1	681744.7	136.2	135.78	-0.5	25.4	15.1 - 24.7

Notes:

CCR Monitroing Wells are CCR-1 through CCR-14 and CCR-10R.

Nature and Extent Monitoring Wells are CCR-15 through CCR-23.

ft = feet

NAD83 = North American 1983 Datum

NAVD88 = North American Vertical Datum of 1988

ft bgs = feet below ground surface

ft ags = feet above ground surface

Checked by: MSI 5/8/19

Reviewed by ALG 6/10/19

* Monitoring well CCR-10 was abandonend and replaced with CCR-10R on 3/13/2018.

Table 2: Summary of Soil / Sediment Analytical Results
Byproduct Storage Area
Lakeland Electric - C.D. McIntosh Jr. Power Plant

Sample ID	Depth (ft bgs)	Date Sampled	Analyte									
			Aluminum (mg/Kg)	Arsenic (mg/Kg)	Iron (mg/Kg)	Lithium (mg/Kg)	Uranium (mg/Kg)	Phosphorus (mg/Kg)	Radium-226 (pCi/g)	Radium-228 (pCi/g)	Total Organic Carbon (%)	Fractional Organic Carbon (g/g)
CCR-4A	24-25	2/11/19	28,000 B	ND	2,800	ND	280 F1	130,000	75.9	0.726	NA	NA
CCR-15	24-25	2/18/19	8,000 B	ND	98	0.79 J	4.5	2,800	0.702	0.328	NA	NA
CCR-16	24-25	2/18/19	19,000 B	ND	450	2.9	4.3	3,000	1.14	1.07	NA	NA
CCR-17	24-25	2/19/19	5,900 B	ND	97	ND	0.92	1,000	NA	NA	NA	NA
CCR-18	24-25	2/15/19	2,600 B	ND	79	0.45 J	1.2	800	0.443	0.196 U	NA	NA
CCR-19	24-25	2/15/19	2,000 B	ND	62	ND	0.50	310	NA	NA	NA	NA
CCR-20	24-25	2/14/19	21,000 B	1.4 J	460	ND	40	11,000	NA	NA	NA	NA
CCR-21	24-25	2/13/19	1,800 B	ND	110	ND	0.51	210	NA	NA	NA	NA
CCR-22	24-25	2/12/19	96,000 B	ND	8,400	15	280	90,000	65.2	1.49	NA	NA
CCR-23	24-25	2/12/19	20,000 B	3.9 J	4,400	4.8 J	58	78,000	14.7	0.359	NA	NA
GSB-1	0-0.5	2/21/19	4,000 B	1.4 J	1,200	ND	21	21,000	NA	NA	NA	NA
Fish Lake - Sed	0-0.5	2/20/19	N/A	NA	NA	NA	NA	NA	NA	NA	1.300	0.013

Notes:

ft bgs = feet below ground surface

mg/Kg = milligrams per kilogram

pCi/g = picocuries per gram

g/g = gram per gram

B - Compound was found in the blank and sample.

F1 - Matrix Spike/Matrix Spike duplicate (MS/MSD) Recovery is outside acceptance limits, and the concentration is an approximate value. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample recovery was within acceptable limits.

J - Result is less than the reporting limit (RL) but greater than or equal to the method detection limit (MDL) and the concentration is an approximate value.

U - Result is less than the sample detection limit.

ND - Not detected

NA - Not analyzed

Checked by: SJH 5/23/19
Reviewed by: ALG 6/10/19

Table 3: Summary of Radium 226 & 228 in Nature and Extent Groundwater and Suface Water Byproduct Storage Area
Lakeland Electric - C.D. McIntosh Jr. Power Plant

Monitoring Well / Surface Water	Date Sampled	Radium 226 (pCi/L)	Radium 228 (pCi/L)
CCR-15	3/7/19	19.2	5.9
CCR-16	3/6/19	23.3	19.4
CCR-17	3/6/19	NA	NA
CCR-18	3/6/19	0.5	0.7 U
CCR-19	3/6/19	NA	NA
CCR-20	3/7/19	NA	NA
CCR-21	3/7/19	NA	NA
CCR-22	3/7/19	26.3	1.4
CCR-23	3/7/19	6.5	0.8
MW-24S	3/5/19	NA	NA
MW-25S	3/6/19	0.5	0.7 U
MW-26S	3/5/19	0.5	0.6 U
Fish Lake	3/11/19	0.7	0.7 U
Lake B	3/11/19	1.6	0.8 U
Lake C	3/13/19	1.5	0.7 U
Lake D	3/13/19	4.0	1.3

Notes:
Radium concentrations reported in picocuries per liter (pCi/L)
U - Result is less than the sample detection limit
NA - Not Analyzed

Checked by: SJH 5/10/19
Reviewed by: ALG 6/10/19

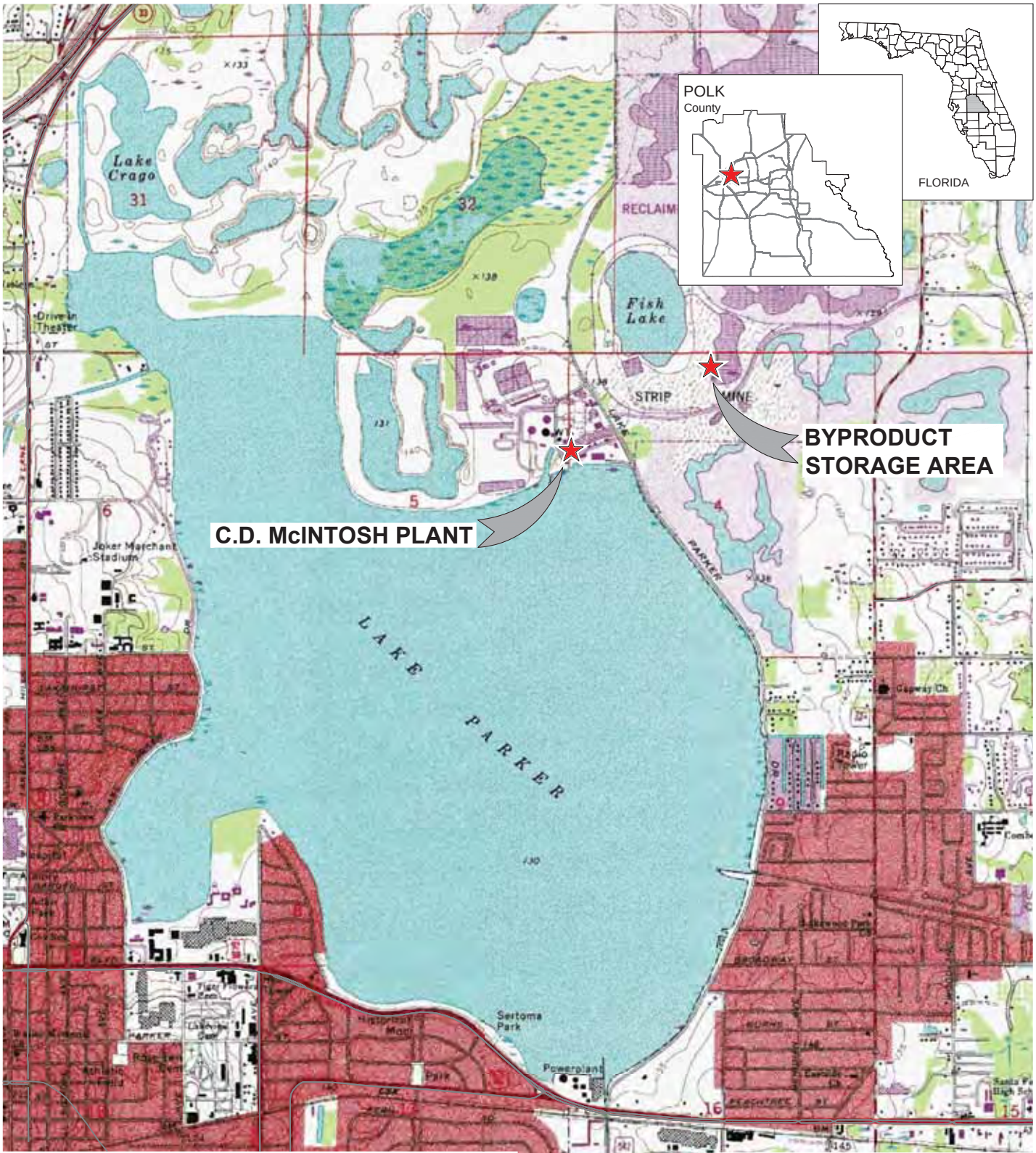
Table 4: Summary of Radium 228 & 228 Concentrations in Groundwater (CCR Monitoring Wells)
Byproduct Storage Area
Lakeland Electric - C.D. McIntosh Jr. Power Plant

Event	Date Sampled	CCR Monitoring Well Designation													
		CCR-1	CCR-2	CCR-3	CCR-4	CCR-5	CCR-6	CCR-7	CCR-8	CCR-9	CCR-10 / CCR-10R*	CCR-11	CCR-12	CCR-13	CCR-14
Background	8/4/2016	3.23	8.84	24.7	39.7	18.7	9.71	7.24	22	3.77	2.79	9.21	3	29.7	25.7
Background	9/14/2016	3.97	4.96	6.91	41	18	7.63	12.8	3.99	20.6	3.02	10.4	2.75	0.629	30.7
Background	10/12/2016	4.07	6.55	6.11	47.8	18.6	4.9	6.83	4.32	20.1	1.93	11.4	2.84	70.2	28.4
Background	11/2/2016	4.71	6.52	6.7	48.2	17	3.7	5.9	3.71	21.4	1.28	8.05	3.06	74.6	27
Background	12/14/2016	5.42	4.56	7.05	77.3	19.3	5.77	14.1	5.84	22.2	1.64	10.6	2.87	85.7	42.1
Background	1/11/2017	5.02	5.83	6.19	82.2	19.5	5.81	17.9	5.56	21.7	2.01	10.6	2.37	81.4	36.4
Background	2/1/2017	4.31	5.73	5.61	71.7	16.2	6.07	16.3	7.37	18.4	1.18	9.13	2.48	70.9	35.8
Background	3/15/2017	4.39	6.07	4.43	59	16.2	6.53	15.1	8.77	14.4	1.58	5.89	2.68	60.9	29.4
Background	4/12/2017	4.62	5.54	4.62	66.8	16	7.3	19.4	9.28	15.3	1.5	7.78	2.11	52.6	32.4
Background	5/17/2017	3.58	5.07	3.81	71.1	13.8	8.53	20.6	7.32	13.5	1.38	8.93	2.01	30.3	24.8
Background	6/13/2017	4.87	5.24	3.87	56.4	16.4	6.58	17.3	4.27	18.2	1.15	10.2	3.19	8.98	42.2
Background	7/11/2017	4.59	4.54	5.02	71.9	15.9	6.86	12.3	4.41	14.4	1.02	7.11	2.46	5.06	35.1
Background	8/15/2017	5.65	2.41	4.17	61.7	17.2	4.05	4.93	5.27	15.5	0.864	7.99	2.55	36.2	28.2
Detection	10/13/2017	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Detection	11/30/2017	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Detection	12/7/2017	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Assessment	4/12/2018	6.6	5.8	3.9	45.8	18.8	4.8	11.7	6.4	0.86	3.6	1.3	3	57.4	23.3
Assessment	7/18/2018	6.8	3.2	4.1	51	21.1	2.9	2.9	5.5	9.1	2.7	6.1	3.6	40.6	17.5
Assessment	1/8/2019	6.8	2.8	4.6	38.2	13.3	2.3	7.2	4.8	11.1	3.4	4.8	4.8	69.3	23.0

Notes:
Dates shown are represntative of sampling events that took place over multiple days
Radium values represent sum of Radium 226 and Radium 228
All concentrations reported in picocuries per liter (pCi/L)
NA - Not analyzed
* Monitoring well CCR-10 was abandonend and replaced with CCR-10R on 3/13/2018

Checked by: SJH 5/10/19
Reviewed by: ALG 5/24/2019

FIGURES



REFERENCE(S)

1.) USGS TOPOGRAPHIC MAP, 7.5 MIN. QUADRANGLE MAP SERIES: LAKELAND QUADRANGLE, POLK COUNTY, FLORIDA.

CLIENT
LAKELAND ELECTRIC

CONSULTANT
GOLDER

YYYY-MM-DD	2019-01-08
DESIGNED	SFS
PREPARED	BCL
REVIEWED	ALG
APPROVED	SFS

PROJECT
BSA CCR GROUNDWATER
C.D. McINTOSH POWER PLANT
LAKELAND, POLK COUNTY, FLORIDA

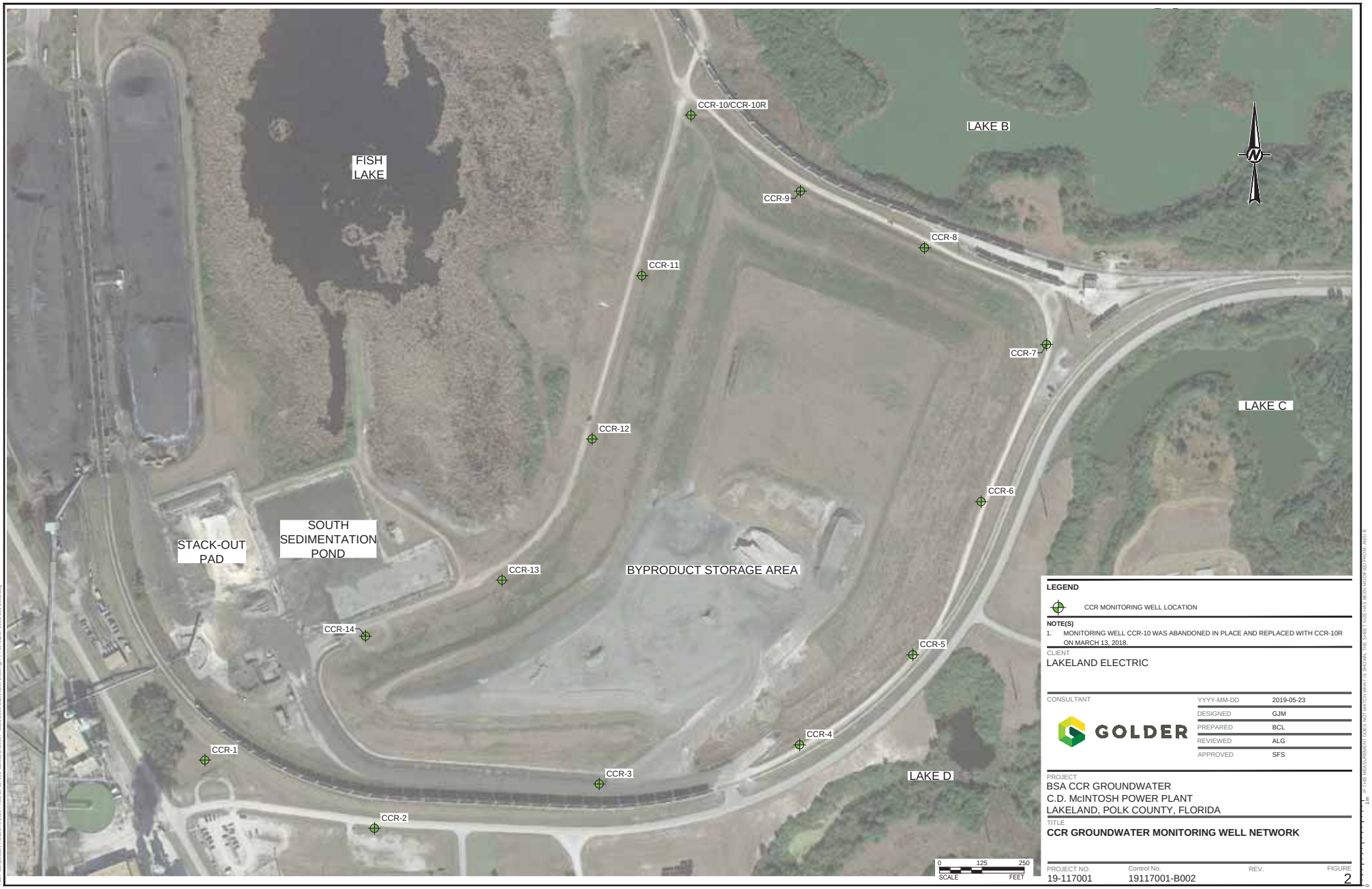
TITLE
SITE LOCATION MAP

PROJECT NO.	Control No.	REV.	FIGURE
19-117001	1895370-B001		1

Path: \\jax1-v-fs1\drafting\File\2018\18-95370 lakelandfb - jan2019 rpt\active drawings\ | File Name: 1895370-B001.dwg

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

0 1in



LEGEND

CCR MONITORING WELL LOCATION

NOTE(S)

1. MONITORING WELL CCR-10 WAS ABANDONED IN PLACE AND REPLACED WITH CCR-10R ON MARCH 13, 2018.

CLIENT
LAKELAND ELECTRIC

CONSULTANT
GOLDER

YYYY-MM-DD	2019-05-23
DESIGNED	GJM
PREPARED	BCL
REVIEWED	ALG
APPROVED	SFS

PROJECT
BSA CCR GROUNDWATER
C.D. McINTOSH POWER PLANT
LAKELAND, POLK COUNTY, FLORIDA

TITLE
CCR GROUNDWATER MONITORING WELL NETWORK

PROJECT NO.	Control No.	REV.	FIGURE
19-117001	19117001-B002		2

Path: \\amwafs\PROJECTS\2019 PROJ\19-117001 Lakeland Electric - March\2019 Data\Active Drawings\ | File Name: 19117001-B002.dwg
IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI B
0 1in



LEGEND

- SURFACE WATER SURROUNDING BYPRODUCT STORAGE AREA
- APPROXIMATE EXTENT OF BYPRODUCT STORAGE AREA
- STAFF GAUGE

NOTE(S)

1. ALL LOCATIONS ARE APPROXIMATE

CLIENT
LAKELAND ELECTRIC

CONSULTANT
GOLDER

YYYY-MM-DD	2019-05-23
DESIGNED	MSI
PREPARED	MSI
REVIEWED	ALG
APPROVED	SFS

PROJECT
BSA CCR GROUNDWATER
C.D. McINTOSH POWER PLANT
LAKELAND, POLK COUNTY, FLORIDA

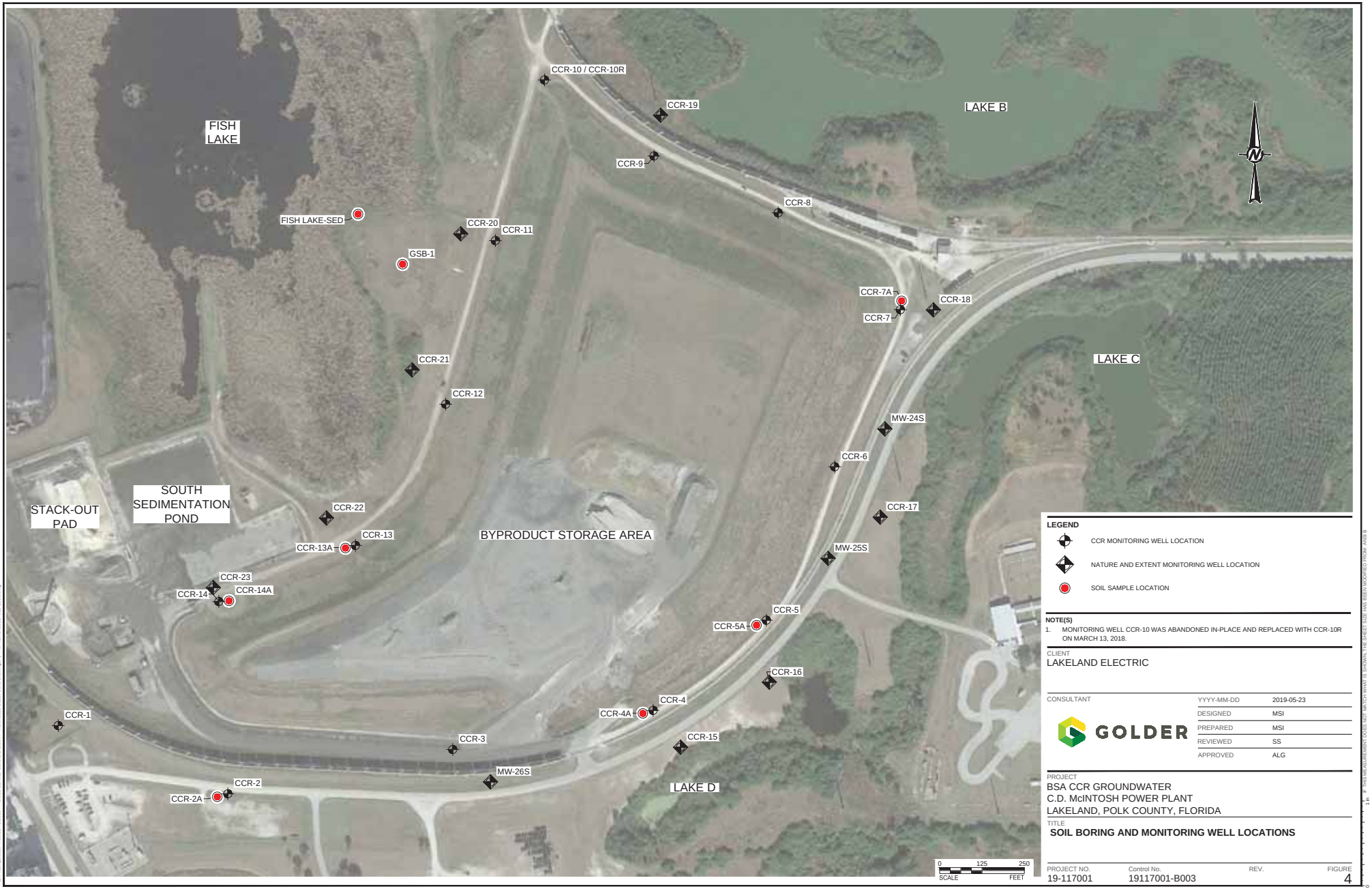
TITLE
SURFACE WATER BODIES SURROUNDING BYPRODUCT STORAGE AREA

DRAFT

0 350 700
SCALE FEET

PROJECT NO.	Control No.	REV.	FIGURE
19117001	19117001-A001		3

Path: \\samwk\wef\PROJECT 3\2019 PROJ\19-117001 Lakeland Electric - March\2019 Data\Active Data\mxd\ | File Name: 19117001-A001.dwg
PRINTED ON ANSI B SHEET SIZE. IF NOT ON ANSI B SHEET SIZE, THE SHEET SIZE HAS BEEN MODIFIED FROM ANSI B
1 in
0



LEGEND

- CCR MONITORING WELL LOCATION
- NATURE AND EXTENT MONITORING WELL LOCATION
- SOIL SAMPLE LOCATION

NOTE(S)

1. MONITORING WELL CCR-10 WAS ABANDONED IN-PLACE AND REPLACED WITH CCR-10R ON MARCH 13, 2018.

CLIENT
LAKELAND ELECTRIC

CONSULTANT
GOLDER

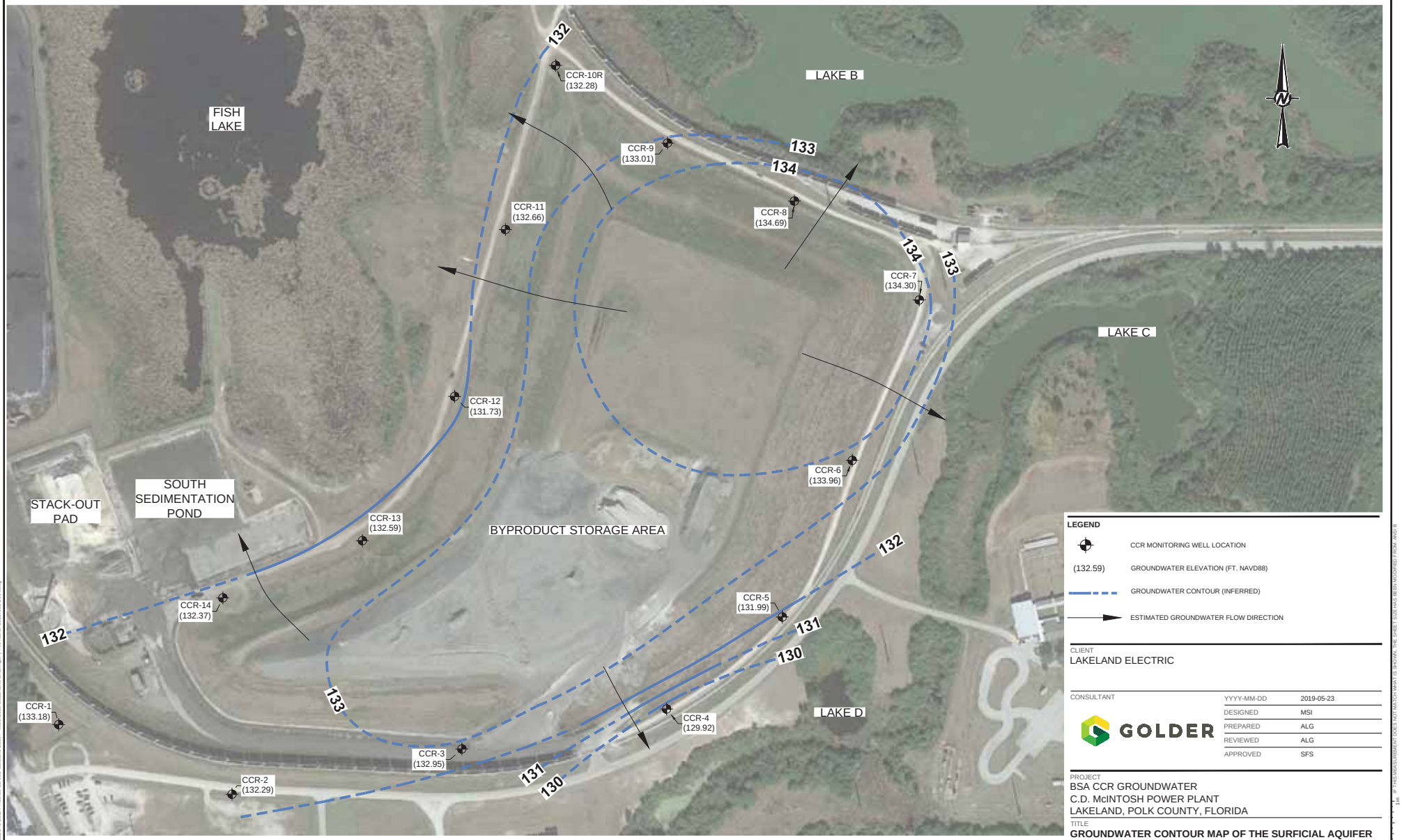
YYYY-MM-DD	2019-05-23
DESIGNED	MSI
PREPARED	MSI
REVIEWED	SS
APPROVED	ALG

PROJECT
BSA CCR GROUNDWATER
C.D. McINTOSH POWER PLANT
LAKELAND, POLK COUNTY, FLORIDA

TITLE
SOIL BORING AND MONITORING WELL LOCATIONS

PROJECT NO.	Control No.	REV.	FIGURE
19-117001	19117001-B003		4

Path: \\tamwfc\vol8\PROJECT 5\2019 PROJ\19-117001 Lakeland Electric - March\2019 Data\Active Data\mxd\ | File Name: 19117001-B003.dwg
IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM ANSI B
1 in
0



LEGEND

- CCR MONITORING WELL LOCATION
- (132.59) GROUNDWATER ELEVATION (FT. NAVD88)
- GROUNDWATER CONTOUR (INFERRED)
- ESTIMATED GROUNDWATER FLOW DIRECTION

SCALE 0 125 250 FEET

CLIENT
LAKELAND ELECTRIC

CONSULTANT
GOLDER

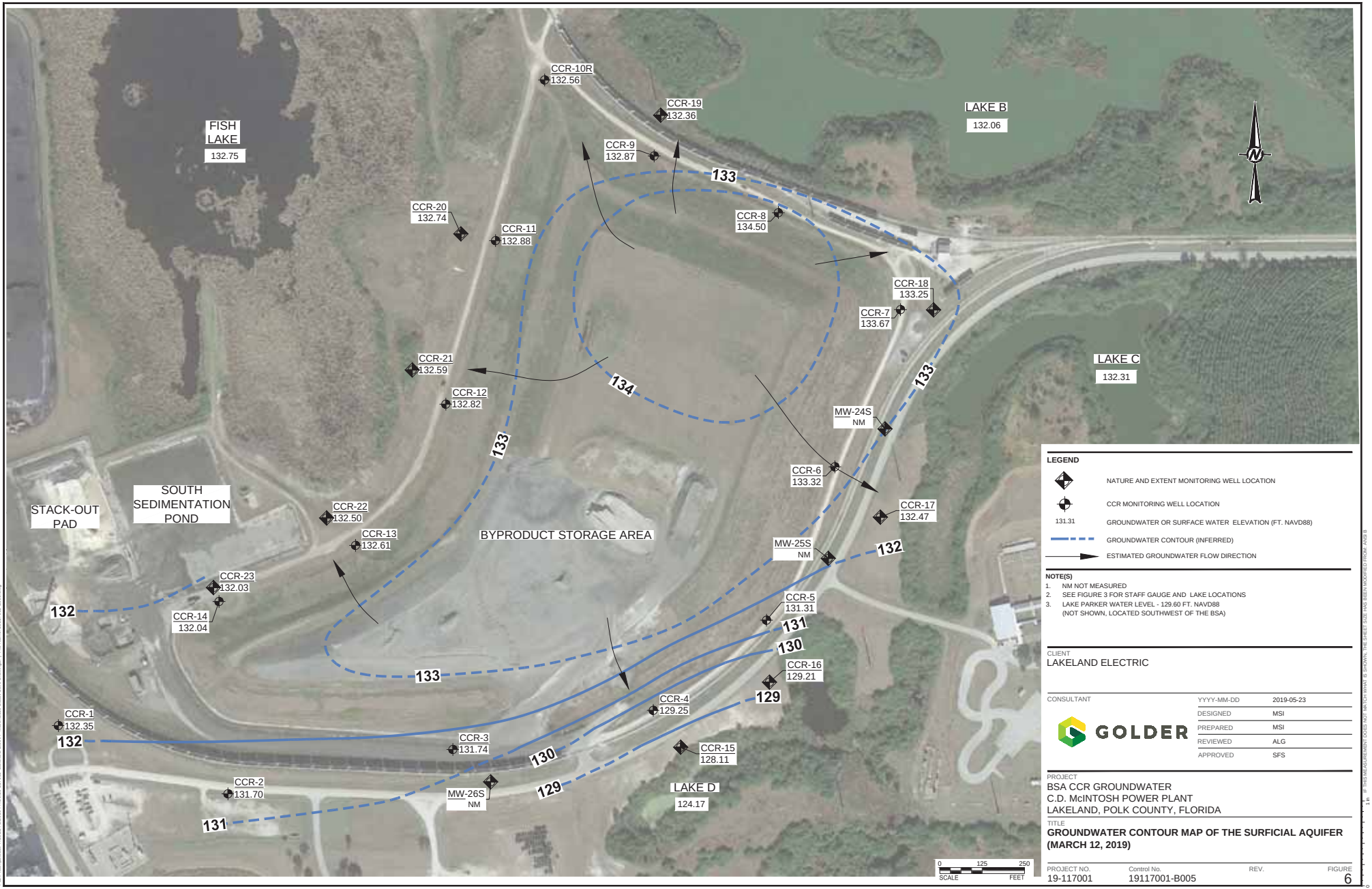
YYYY-MM-DD	2019-05-23
DESIGNED	MSI
PREPARED	ALG
REVIEWED	ALG
APPROVED	SFS

PROJECT
BSA CCR GROUNDWATER
C.D. McINTOSH POWER PLANT
LAKELAND, POLK COUNTY, FLORIDA

TITLE
GROUNDWATER CONTOUR MAP OF THE SURFICIAL AQUIFER (JULY 16, 2018)

PROJECT NO.	Control No.	REV.	FIGURE
19-115694	19117001-B004		5

Path: \\amnas\vol1\PROJECTS\2019 PROJ\19-117001 Lakeland Electric - Mars\2019 Data\Active Drawings\ | File Name: 19117001-B004.dwg
IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI B



LEGEND

- NATURE AND EXTENT MONITORING WELL LOCATION
- CCR MONITORING WELL LOCATION
- 131.31 GROUNDWATER OR SURFACE WATER ELEVATION (FT. NAVD88)
- GROUNDWATER CONTOUR (INFERRED)
- ESTIMATED GROUNDWATER FLOW DIRECTION

NOTE(S)

1. NM NOT MEASURED
2. SEE FIGURE 3 FOR STAFF GAUGE AND LAKE LOCATIONS
3. LAKE PARKER WATER LEVEL - 129.60 FT. NAVD88 (NOT SHOWN, LOCATED SOUTHWEST OF THE BSA)

CLIENT
LAKELAND ELECTRIC

CONSULTANT
GOLDER

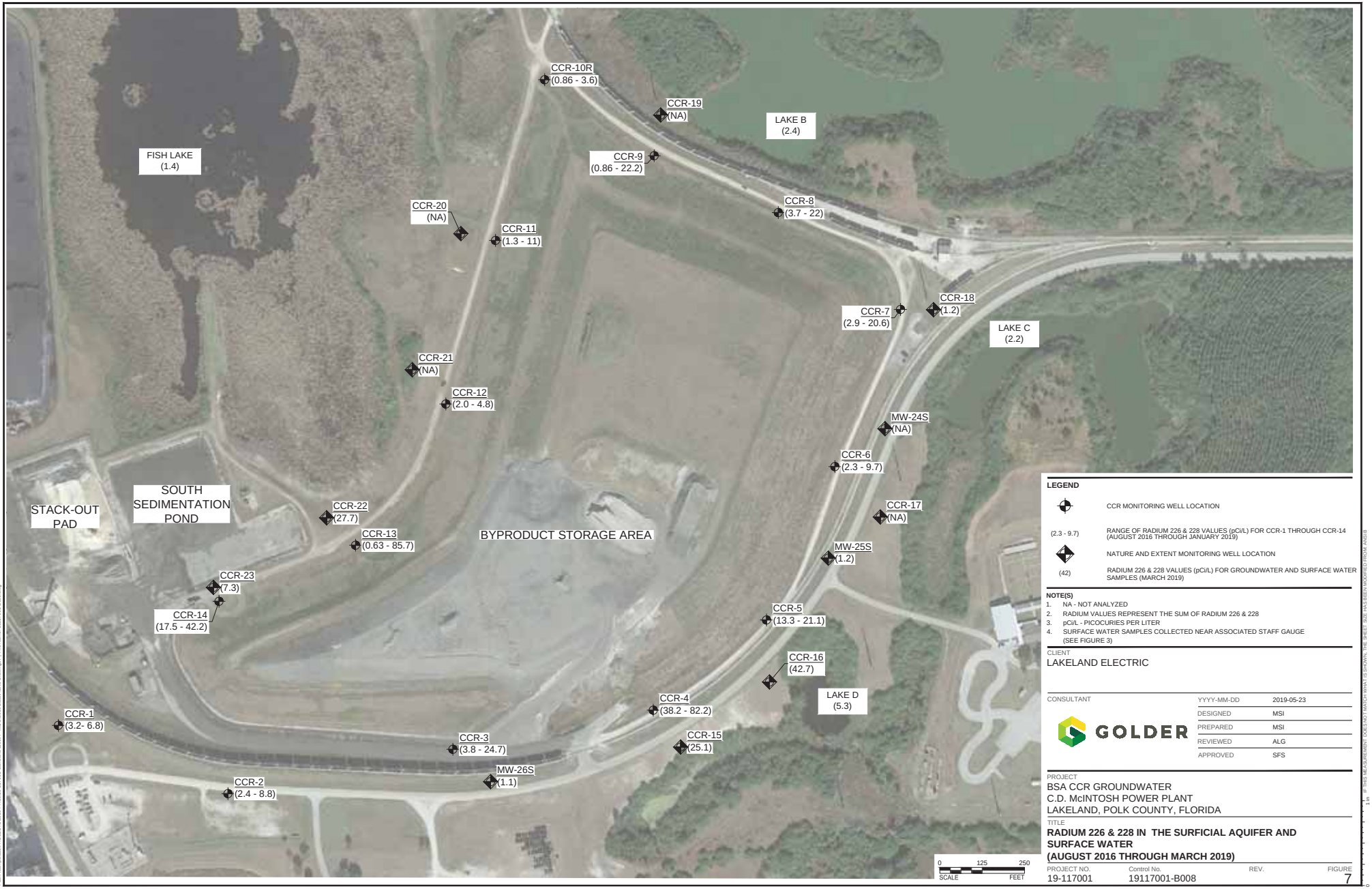
YYYY-MM-DD	2019-05-23
DESIGNED	MSI
PREPARED	MSI
REVIEWED	ALG
APPROVED	SFS

PROJECT
BSA CCR GROUNDWATER
C.D. McINTOSH POWER PLANT
LAKELAND, POLK COUNTY, FLORIDA

TITLE
GROUNDWATER CONTOUR MAP OF THE SURFICIAL AQUIFER (MARCH 12, 2019)

PROJECT NO.	Control No.	REV.	FIGURE
19-117001	19117001-B005		6

Path: \\tampa\Cad\PROJECT 3\2019 PROJ\19-117001 Lakeland Elec\A_Mxd\2019 Data\Active Drawings\ | File Name: 19117001-B005.dwg
IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM ANSI B
1 in
0



LEGEND

	CCR MONITORING WELL LOCATION
(2.3 - 9.7)	RANGE OF RADIUM 226 & 228 VALUES (pCi/L) FOR CCR-1 THROUGH CCR-14 (AUGUST 2016 THROUGH JANUARY 2019)
	NATURE AND EXTENT MONITORING WELL LOCATION
(42)	RADIUM 226 & 228 VALUES (pCi/L) FOR GROUNDWATER AND SURFACE WATER SAMPLES (MARCH 2019)

NOTE(S)

1. NA - NOT ANALYZED
2. RADIUM VALUES REPRESENT THE SUM OF RADIUM 226 & 228
3. pCi/L - PICOCURIES PER LITER
4. SURFACE WATER SAMPLES COLLECTED NEAR ASSOCIATED STAFF GAUGE (SEE FIGURE 3)

CLIENT
LAKELAND ELECTRIC

CONSULTANT
GOLDER

YYYY-MM-DD	2019-05-23
DESIGNED	MSI
PREPARED	MSI
REVIEWED	ALG
APPROVED	SFS

PROJECT
BSA CCR GROUNDWATER
C.D. McINTOSH POWER PLANT
LAKELAND, POLK COUNTY, FLORIDA

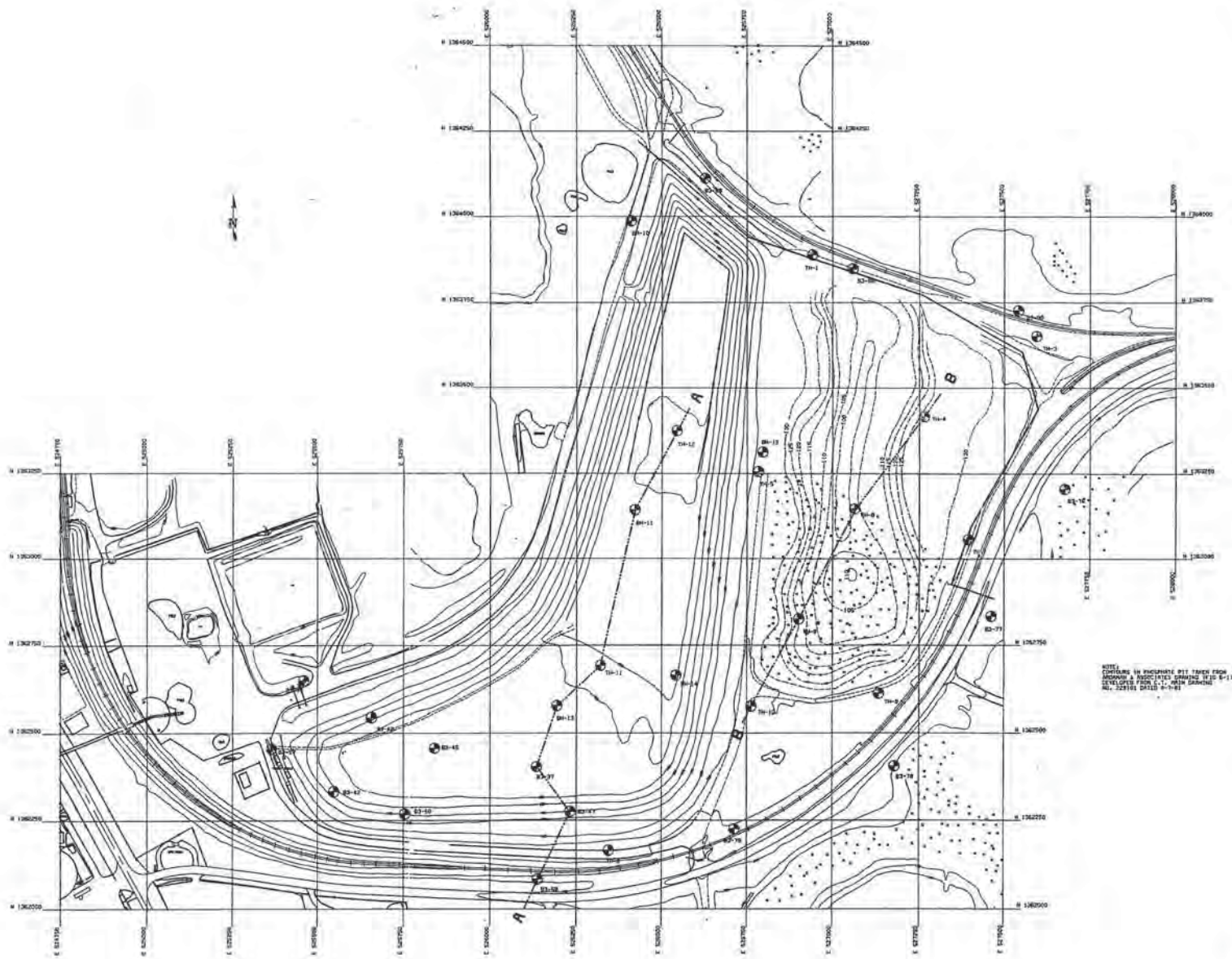
TITLE
RADIUM 226 & 228 IN THE SURFICIAL AQUIFER AND SURFACE WATER (AUGUST 2016 THROUGH MARCH 2019)

PROJECT NO.	Control No.	REV.	FIGURE
19-117001	19117001-B008		7

Path: \\tampa\ca\PRO_IEC\TS\2019 PROJ\19-117001 Lakeland Elec\A - Mar\2019\Data\Active Drawings\ | File Name: 19L1700 1-B006.dwg
IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM ANSI B
1 in
0

APPENDIX A

Soil Boring Logs and Location Map



SOIL BORING LOCATION PLAN

1	03/23/99	GENERAL REVISIONS			
NO.	DATE	REVISIONS AND RECORD OF ISSUE	BY	CHK'D	APP'D

BLACK & VEATCH ENGINEERS-ARCHITECTS

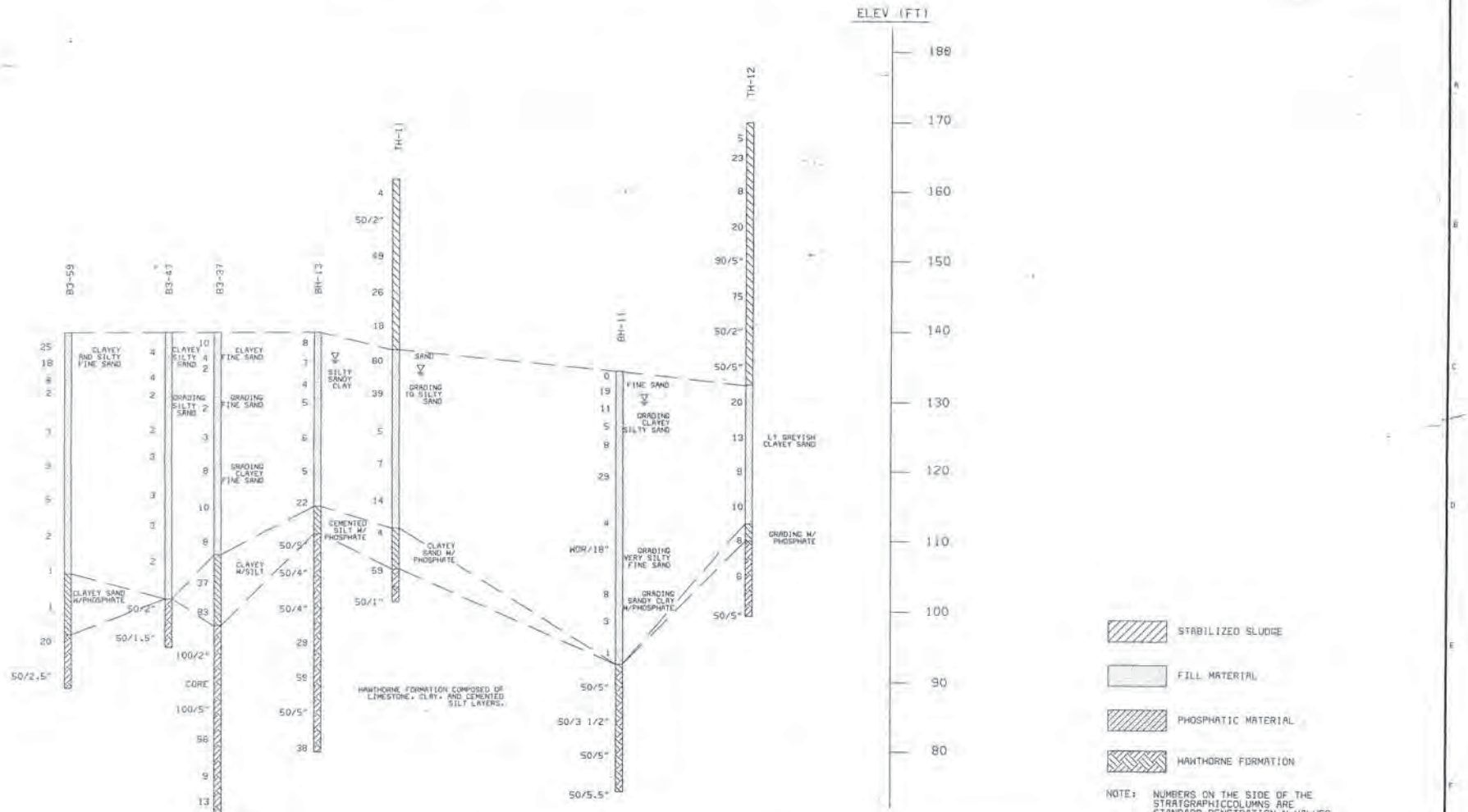
LAKELAND ELECTRIC & WATER
C.D. MCINTOSH PLANT LANDFILL STUDY

SOIL BORING LOCATION PLAN

PROJECT 17757

REV A

FIGURE 2-1



NOTE: NUMBERS ON THE SIDE OF THE STRATIGRAPHICCOLUMNS ARE STANDARD PENETRATION N-VALUES

BORINGS WITH B3- DESIGNATION PERFORMED BY LAW ENGINEERING PRIOR TO LANDFILL CONSTRUCTION.

NO	DATE	REVISIONS AND RECORD OF ISSUE	BY	CH	APP	FILM
A	02/27/91	GENERAL REVISIONS				

VERT= 1 1/2"=10'
HORIZ= 1"=100'

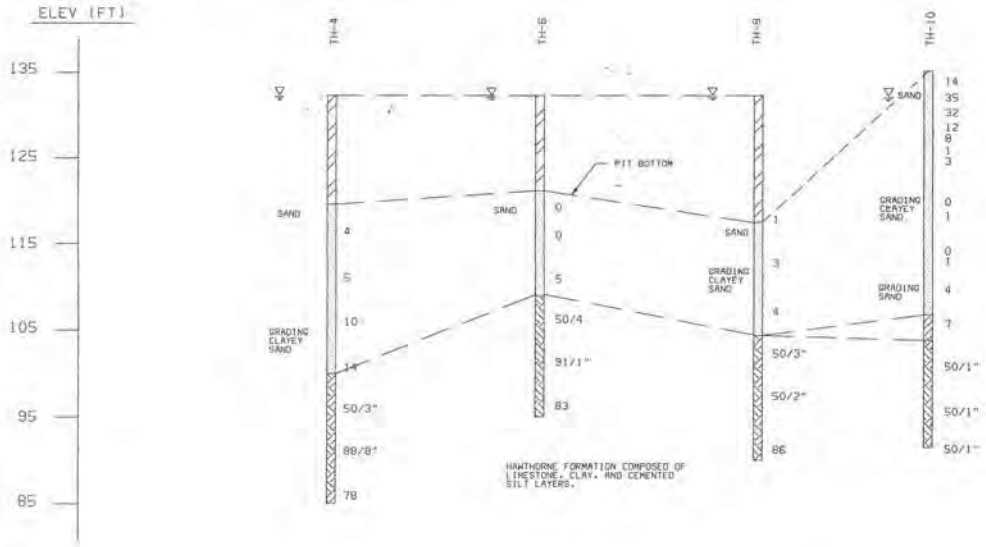
BLACK & VEATCH ENGINEERS-ARCHITECTS

CITY OF LAKELAND
MCINTOSH LANDFILL

SOIL PROFILE SECTION A-A

PROJECT 17757

FIGURE 2-2



WATER

FILL MATERIAL

PHOSPHATIC MATERIAL

HAWTHORNE FORMATION

NOTE: NUMBERS ON THE SIDE OF THE STRATGRAPHIC COLUMNS ARE STANDARD PENETRATIONS N-VALUES.

D.E.P.

NO	DATE	REVISIONS AND RECORD OF ISSUE	BY	CHK	APP	FLR
A	02/27/91	GENERAL REVISIONS				

10' 0 10' 20'
VERT= 1 1/2"=10'
100' 50' 0 100' 200'
HORIZ= 1"=100'

BLACK & VEATCH
ENGINEERS-ARCHITECTS

ENGINEER MRD DRAWN GRM
CHECKED DATE 1-14-91

CITY OF LAKELAND
MCINTOSH LANDFILL

SOIL PROFILE SECTION B-B

PROJECT 17757
DRAWING NUMBER
REV A
CODE
AREA

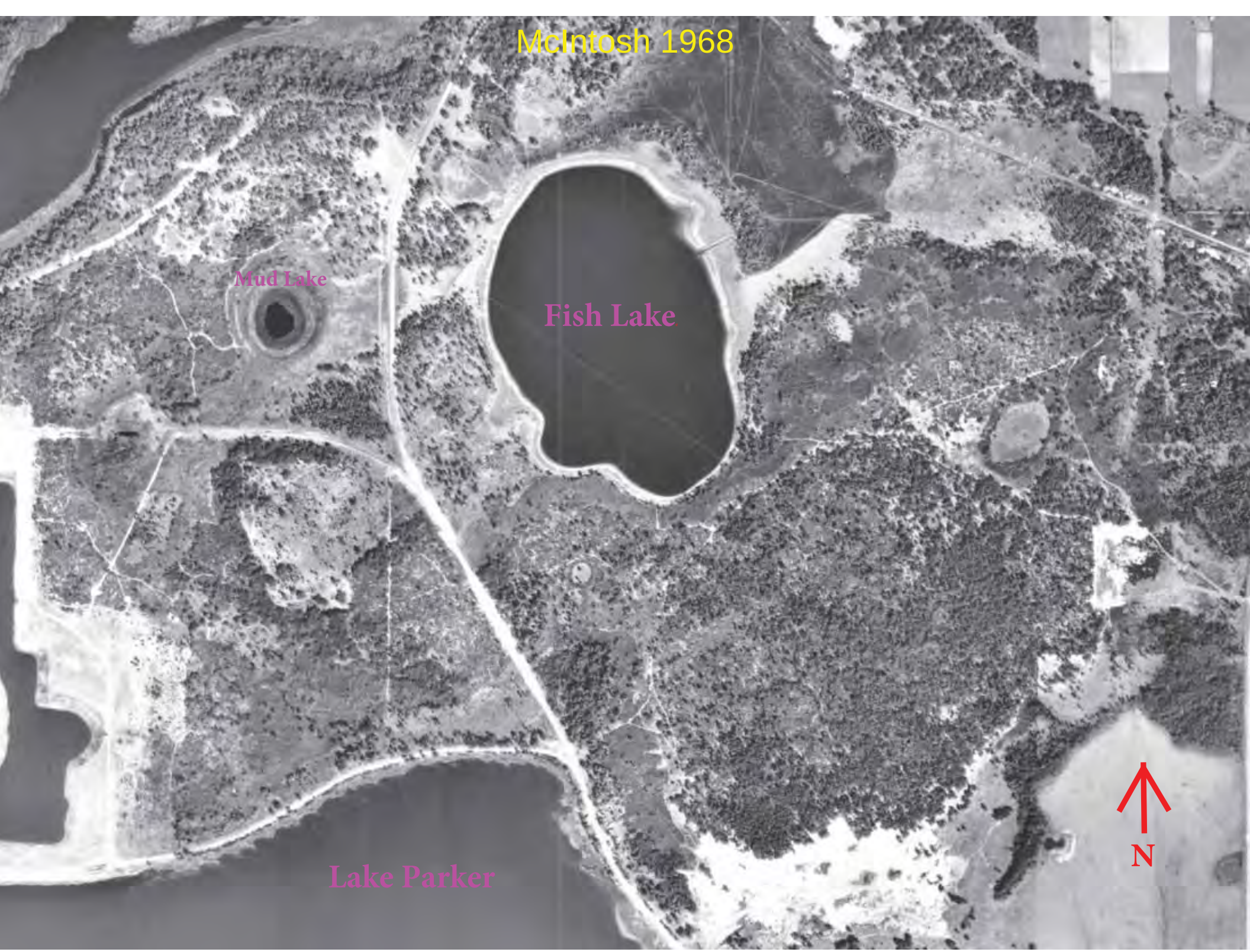
FIGURE 2-3

RBJMILLER ACAD 10.c7
DSLOOS 01:1=1
21791 111515

APPENDIX B

Historical Aerial Photographs and Maps


UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
BULLETIN 1162-D
PLATE I
EXPLANATION
1964 USGS
GEOLOGIC MAP OF THE LAKELAND QUADRANGLE, FLORIDA


McIntosh 1968
Mud Lake
Fish Lake
Lake Parker
N


1971 from FDOT
N
Approximate Footprint of BSA



N
W E
S

BSA at Lakeland Electric USGS
11/30/1971
(Current boundary shown by dashed red line)

GeoSearch

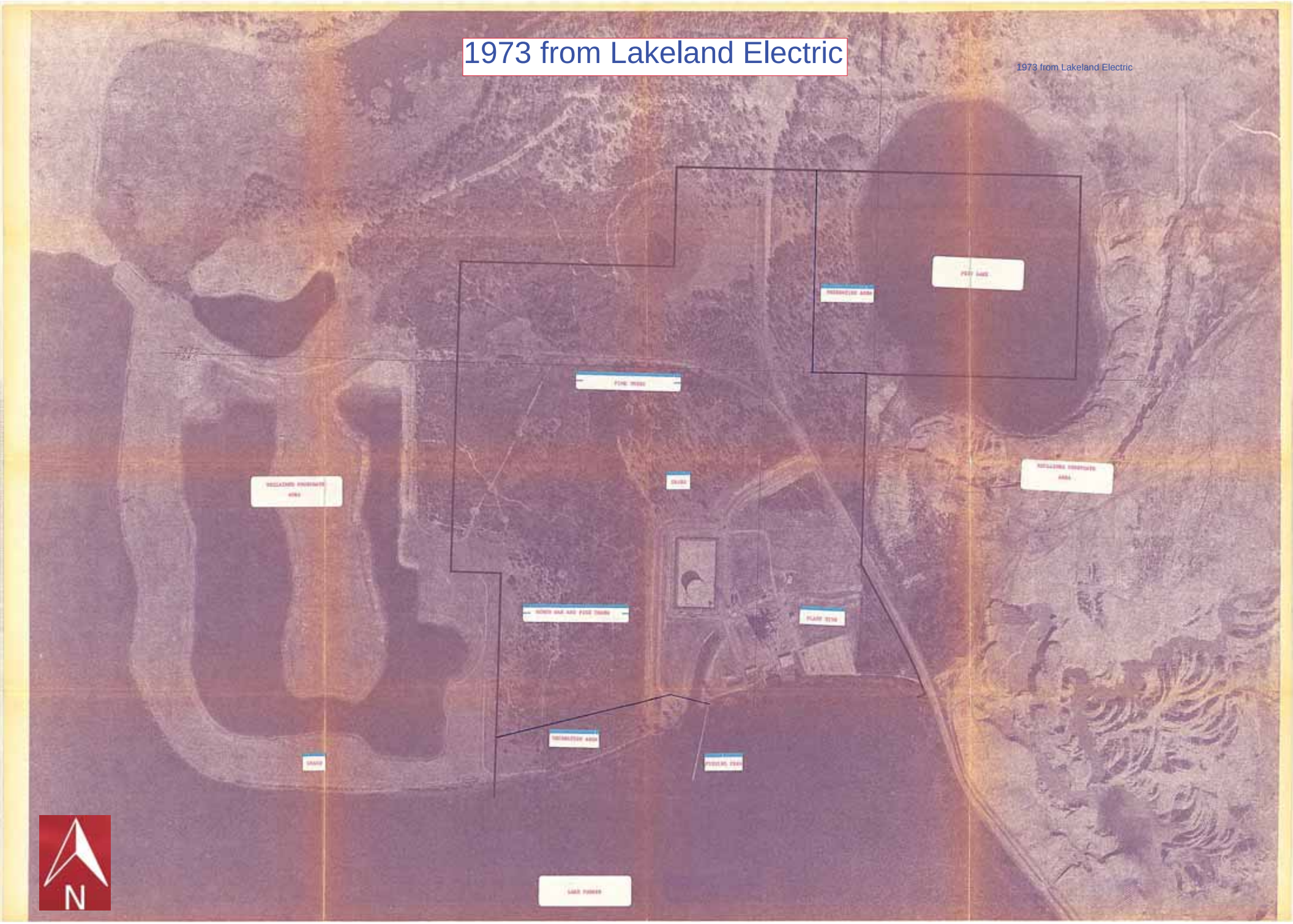
JOB #: 227772 - 03/09/2018

1975 USGS 7.5-minute topographic map including December 2, 1972 Aerial Photograph

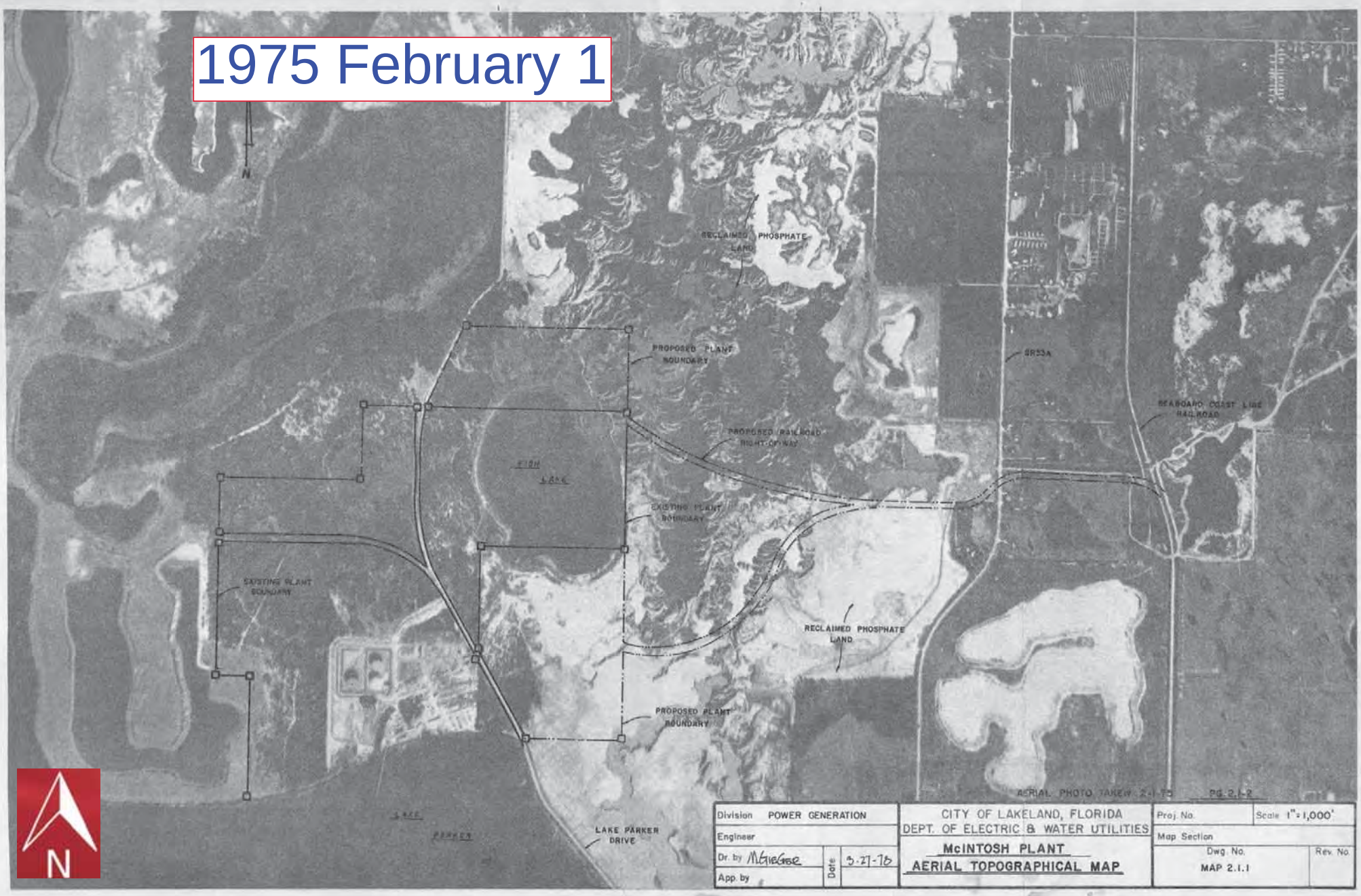


1973 from Lakeland Electric

1973 from Lakeland Electric



1975 February 1



Division POWER GENERATION	CITY OF LAKELAND, FLORIDA DEPT. OF ELECTRIC & WATER UTILITIES	Proj. No.	Scale 1" = 1,000'
Engineer		Map Section	
Dr. by MGieGee Date 5-27-76	McINTOSH PLANT AERIAL TOPOGRAPHICAL MAP	Dwg. No. MAP 2.1.1	Rev. No.
App. by			



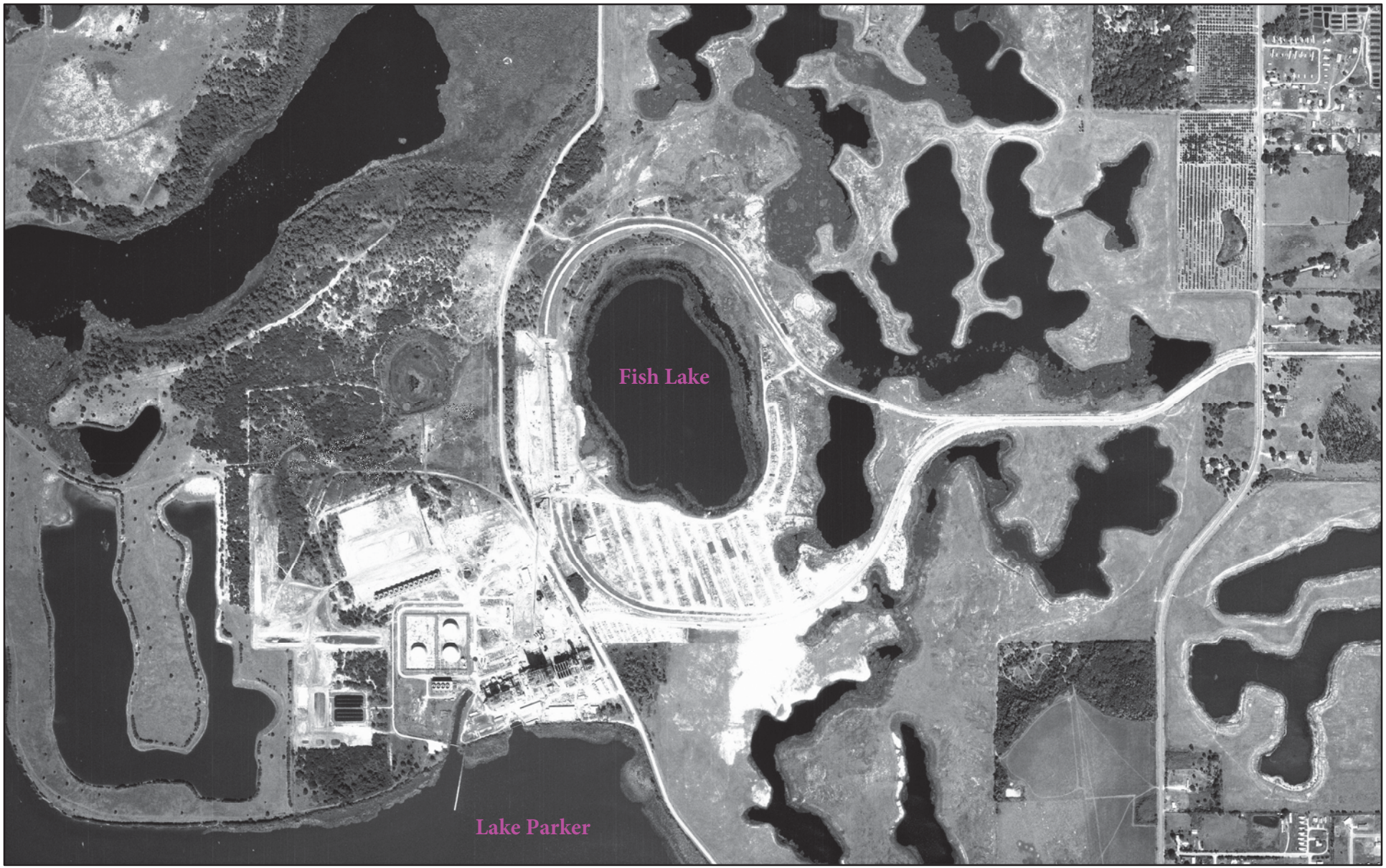
N
W E
S

BSA at Lakeland Electric USGS
11/26/1977
(Current boundary shown by dashed red line)

GeoSearch

JOB #: 227772 - 03/09/2018

McIntosh 1980



1:14,774

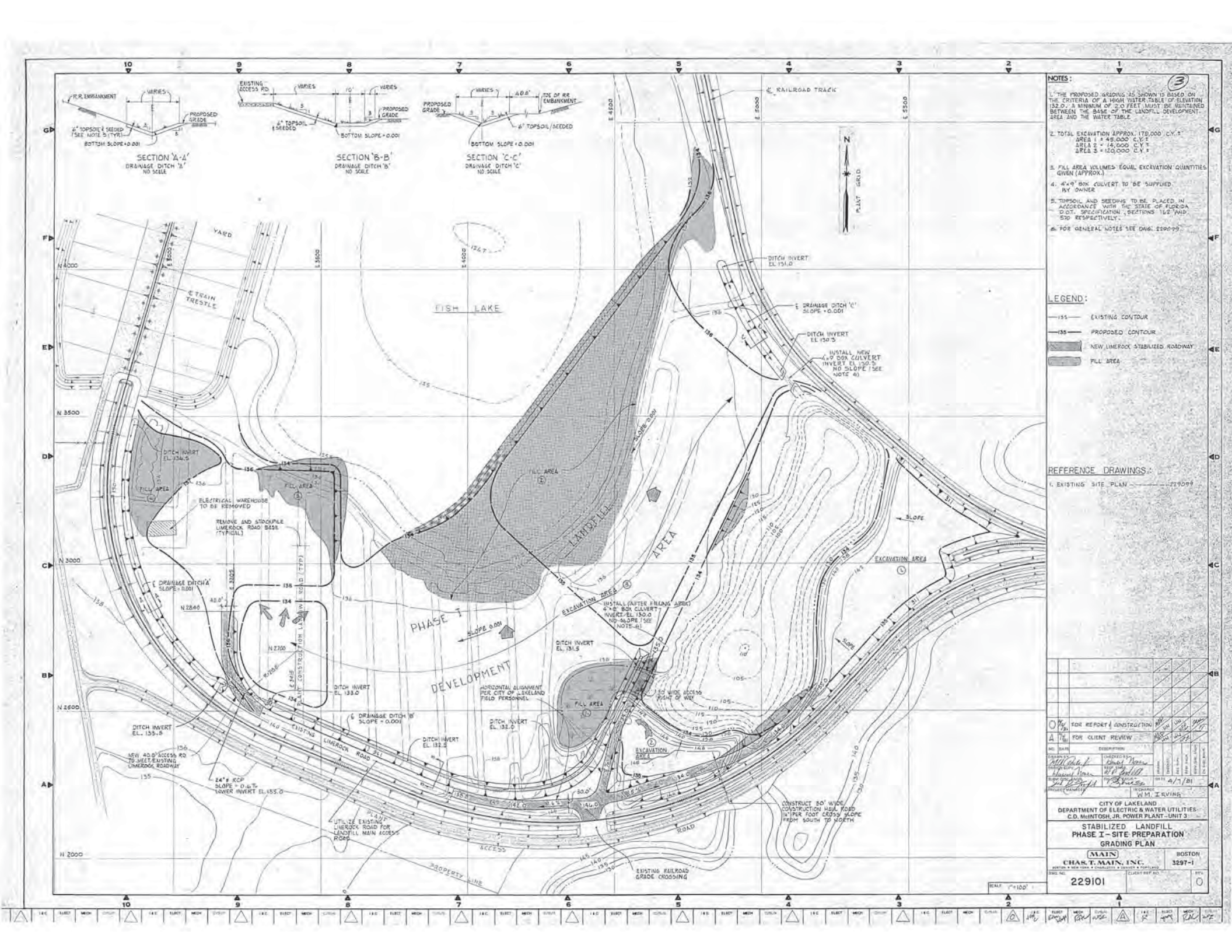
0 0.125 0.25 0.5 mi

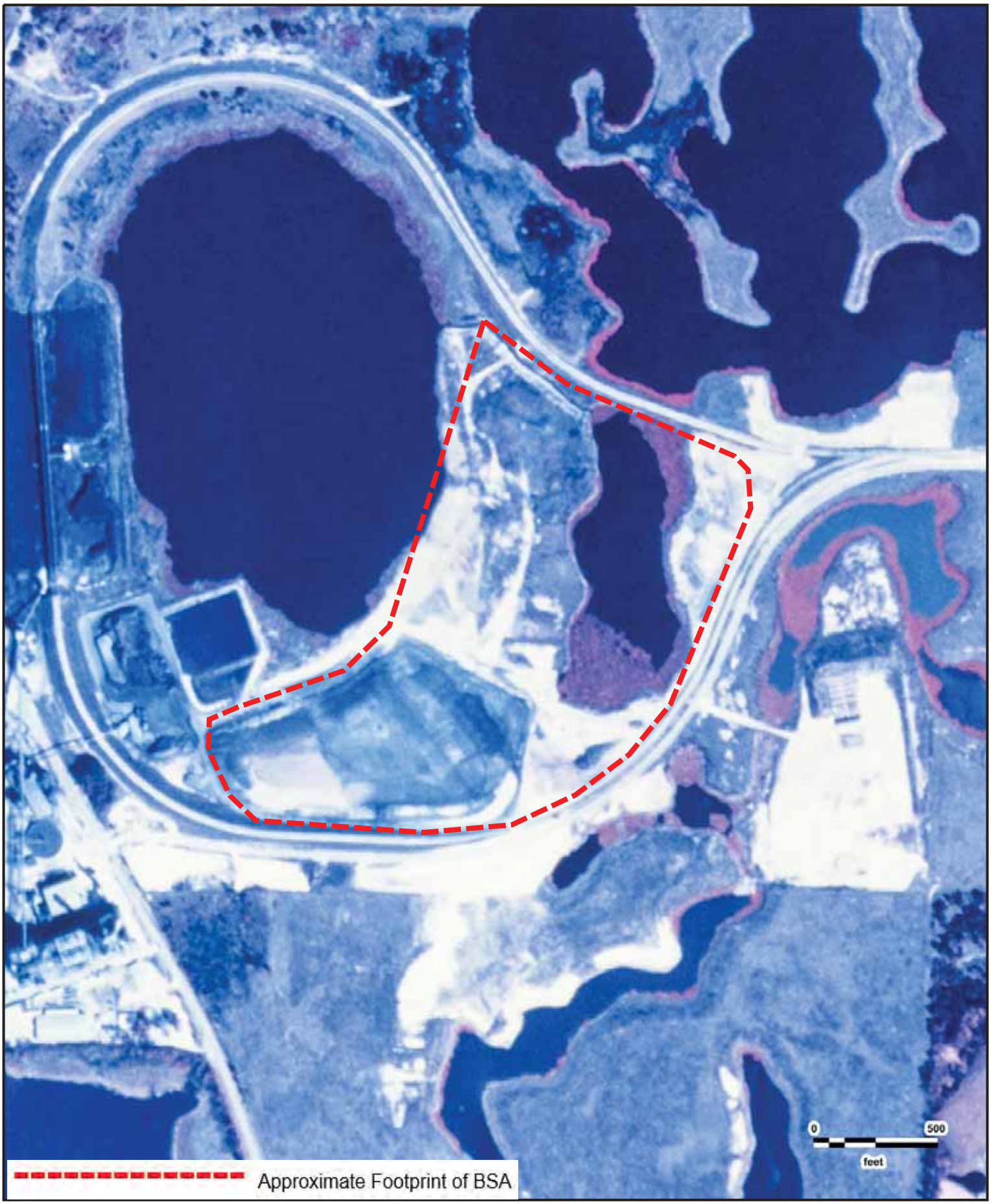
0 0.2 0.4 0.8 km

N

Polk County BoCC

Disclaimer: This report is for general information only. Polk County BoCC makes no warranty or guaranty as to content, accuracy of any of the data provided herein.


SECTION 'A-A'
DRAINAGE DITCH 'A'
NO SCALE
SECTION 'B-B'
DRAINAGE DITCH 'B'
NO SCALE
SECTION 'C-C'
DRAINAGE DITCH 'C'
NO SCALE
NOTES:
1. THE PROPOSED GRADING AS SHOWN IS BASED ON THE CRITERIA OF A HIGH WATER TABLE OF ELEVATION 132.0'. A MINIMUM OF 2.0 FEET MUST BE MAINTAINED BETWEEN THE BASE OF THE LANDFILL DEVELOPMENT AREA AND THE WATER TABLE.
2. TOTAL EXCAVATION APPROX. 170,000 C.Y.±
AREA 1 = 45,000 C.Y.±
AREA 2 = 14,000 C.Y.±
AREA 3 = 120,000 C.Y.±
3. FILL AREA VOLUMES EQUAL EXCAVATION QUANTITIES GIVEN (APPROX.)
4. 4'x9' BOX CULVERT TO BE SUPPLIED BY OWNER
5. TOPSOIL AND SEEDING TO BE PLACED IN ACCORDANCE WITH THE STATE OF FLORIDA D.O.T. SPECIFICATIONS, SECTIONS 162 AND 570 RESPECTIVELY.
6. FOR GENERAL NOTES SEE DWG. 229099
LEGEND:
EXISTING CONTOUR
PROPOSED CONTOUR
NEW LIMEROCK STABILIZED ROADWAY
FILL AREA
REFERENCE DRAWINGS:
1. EXISTING SITE PLAN — 229099
RAILROAD TRACK
PLANT GRID
FISH LAKE
YARD
TRAIN TRESTLE
DITCH INVERT EL. 131.0
DRAINAGE DITCH 'C' SLOPE = 0.001
DITCH INVERT EL. 130.5
INSTALL NEW 4'x9' BOX CULVERT INVERT EL. 130.5 NO SLOPE (SEE NOTE 4)
DITCH INVERT EL. 134.5
ELECTRICAL WAREHOUSE TO BE REMOVED
REMOVE AND STOCKPILE LIMEROCK ROAD BASE (TYPICAL)
FILL AREA
LANDFILL AREA
EXCAVATION AREA
DRAINAGE DITCH 'A' SLOPE = 0.001
INSTALL (AFTER FILLING AREA) 4'x6' BOX CULVERT INVERT EL. 130.0 NO SLOPE (SEE NOTE 4)
PHASE I DEVELOPMENT
DITCH INVERT EL. 131.5
DITCH INVERT EL. 133.0
DRAINAGE DITCH 'B' SLOPE = 0.001
DITCH INVERT EL. 132.0
DITCH INVERT EL. 132.5
DITCH INVERT EL. 135.8
NEW 40.0' ACCESS RD TO MEET EXISTING LIMEROCK ROADWAY
24" ø RCP SLOPE = 0.4% LOWER INVERT EL. 135.0
EXISTING LIMEROCK ROAD
HORIZONTAL ALIGNMENT PER CITY OF LAKELAND FIELD PERSONNEL
50' WIDE ACCESS RIGHT OF WAY
CONSTRUCT 30' WIDE CONSTRUCTION HAUL ROAD (4" PER FOOT CROSS SLOPE FROM SOUTH TO NORTH)
UTILIZE EXISTING LIMEROCK ROAD FOR LANDFILL MAIN ACCESS ROAD
PROPERTY LINE
EXISTING RAILROAD GRADE CROSSING
SCALE 1"=100'
0 4/7/81 FOR REPORT & CONSTRUCTION
A 3/16 FOR CLIENT REVIEW
DESIGNED W.M. IRVING
DRAWN
CHECKED
APPROVED
IN CHARGE W.M. IRVING
DATE 4/7/81
CITY OF LAKELAND
DEPARTMENT OF ELECTRIC & WATER UTILITIES
C.D. McINTOSH, JR. POWER PLANT - UNIT 3
STABILIZED LANDFILL
PHASE I - SITE PREPARATION
GRADING PLAN
MAIN
CHAS. T. MAIN, INC.
BOSTON
3297-1
DWG. NO. 229101
CLIENT REF. NO.
REV. 0



N
W E
S

BSA at Lakeland Electric USGS
03/02/1984
(Current boundary shown by dashed red line)

GeoSearch

JOB #: 227772 - 03/09/2018

APPENDIX C

Record of Borehole Logs for CCR-2A, CCR-4A, CCR-5A, CCR-7A, CCR-13A, and CCR-14A

RECORD OF BOREHOLE CCR-2A

SHEET 1 of 1

PROJECT: Lakeland Electric CCR
PROJECT NUMBER: 19117001
DRILLED DEPTH: 30.0 ft
AZIMUTH: N/A
LOCATION: Lakeland, FL

DRILL METHOD: Direct Push
DRILL RIG: Geoprobe 3230 DT
DATE STARTED: 2/11/2019
DATE COMPLETED: 2/11/2019
WEATHER: Partly cloudy

DATUM: NAD83 / NAVD88
COORDS: N: 1,362,203.9 E: 681,787.6
GS ELEVATION: 137.6 ft
TRC ELEVATION: N/A ft
TEMPERATURE: 74° F

INCLINATION: -90
DEPTH W.L.: 5.9 ft
ELEVATION W.L.: 131.70 ft
DATE W.L.: 3/12/2019
TIME W.L.: 10:45

DEPTH (ft)	ELEVATION (ft)	SOIL PROFILE DESCRIPTION	USCS	GRAPHIC LOG	ELEV. / DEPTH (ft)
0		0.0 - 1.0 SAND, fine; brown, dry	SP		136.6
		1.0 - 2.0 SAND, fine; grayish brown, dry	SP		1.0 135.6
	135	2.0 - 4.0 SAND, fine; light gray, dry	SP		2.0 133.6
5		4.0 - 7.5 SAND, trace organics, fine to medium, subrounded to subangular, poorly graded; dark brown to black	SP		4.0 130.1
	130	7.5 - 10.8 SAND, fine to medium, subround to subangular, uniform grading; light tan to white, moist	SP		7.5 126.9
10		10.8 - 13.5 SAND, fine, subrounded, uniform; dark brown to black, compact, wet	SP		10.8 124.1
	125	13.5 - 15.8 No Recovery			13.5 121.9
15		15.8 - 18.4 SAND, fine, subrounded; light brown to light grey (white with small round black heavy mineral), wet	SP		15.8 119.2
	120	18.4 - 19.5 SAND, fine; dark brown to black (grains are brown), compact to dense, wet	SP		18.4 118.1
		19.5 - 20.0 No Recovery			117.6
20		20.0 - 23.0 SAND, very fine, subrounded; light brown to tan with a dark brown to black coating with small black opaque grains, compact to very dense, wet	SP		20.0 114.6
	115	23.0 - 23.5 CLAYEY SAND; tan to light brown, wet	SC		114.1
		23.5 - 25.0 SAND, very fine, subrounded; light brown to tan with a dark brown to black coating with small black heavy mineral, compact to very dense, wet	SP		23.5 112.6
25		25.0 - 27.5 SAND, fine subrounded, uniform grading; brown, loose to compact, wet	SP		25.0 110.1
	110	27.5 - 30.0 SAND, fine, subrounded; tan to white with small black heavy minerals, compact to dense, wet	SP		27.5 107.6
30		Boring completed at 30.0 ft			

1.) Borehole location is adjacent to monitoring well CCR-2; survey coordinates shown are from CCR-2.

2.) Ground surface elevation is estimated based on ground surface elevation of monitoring well CCR-2.

3.) Boreholes were backfilled with 20/30 graded silica sand to 5 ft bgs and the remaining borehole was filled with bentonite chips to land surface.

4.) Water-level elevations are estimated based on depth-to-water measurements from adjacent monitoring well CCR-2.

5.) Density descriptions are based on field observations and not form SPT blow counts.

6.) Soil cores were collected and transported to Golder's Tampa office. The soil cores were later logged by M. Boatman for mineralogic description of lithology.

7.) Based on lithologic descriptions, mine tailings and/or fill was encountered from approximately ground surface to 20 ft bgs and in-situ residual soil and/or weathered rock from 20 ft bgs to terminal depth.

LOG SCALE: 1 in = 4 ft
DRILLING COMPANY: Action Environmental
DRILLER: Omar Velazquez

INSPECTOR: M. Boatman
CHECKED BY: G. Morelli
DATE: 5/30/19

GOLDER

GLDR_GEOTECH NO SPT 1545454.2_REV1 (1).GPJ 5/30/19

RECORD OF BOREHOLE CCR-4A

SHEET 1 of 1

PROJECT: Lakeland Electric CCR
PROJECT NUMBER: 19117001
DRILLED DEPTH: 30.0 ft
AZIMUTH: N/A
LOCATION: Lakeland, FL

DRILL METHOD: Direct Push
DRILL RIG: Geoprobe 3230 DT
DATE STARTED: 2/11/2019
DATE COMPLETED: 2/11/2019
WEATHER: Partly cloudy

DATUM: NAD83 / NAVD88
COORDS: N: 1,362,450.0 E: 683,042.7
GS ELEVATION: 140.3 ft
TRC ELEVATION: N/A ft
TEMPERATURE: 86° F

INCLINATION: -90
DEPTH W.L.: 11.05 ft
ELEVATION W.L.: 129.25 ft
DATE W.L.: 3/12/2019
TIME W.L.: 10:57

DEPTH (ft)	ELEVATION (ft)	DESCRIPTION	USCS	GRAPHIC LOG	ELEV. / DEPTH (ft)
0	140	0.0 - 1.0 SAND, fine; brown, dry	SP		139.3
		1.0 - 2.0 SAND, fine, some gravel and silt; brown, dry	SP		1.0 138.3
		2.0 - 5.0 SAND, fine, some silt; brown, dry	SP-SM		2.0 135.3
5	135	5.0 - 10.4 SILTY SAND, fine, subrounded to subangular, uniform grading; dark brown to black, dry to moist	SM		5.0 129.9
10	130	10.4 - 13.6 SAND, fine to medium, subrounded, uniform grading; dark brown with small black heavy minerals, loose to very loose, wet 12.0 - 13.6 contact water is black	SP		10.4 126.7
		13.6 - 15.0 SAND, very fine, subrounded, uniform grading; dark brown with small black heavy minerals, compact, wet	SP		13.6 125.3
15	125	15.0 - 15.8 SAND, fine to medium, subrounded, uniform grading; dark brown with small black heavy minerals, loose to very loose, wet, water is black	SP		15.0 124.5
		15.8 - 19.5 SAND, fine, subrounded, uniform grading; light to dark brown, compact to dense, wet	SP		15.8 120.8
20	120	19.5 - 21.1 SAND little to some clay; fine, angular to subrounded, uniform grading; white to tan with small black heavy minerals, wet	SP-SC		19.5 119.2
		21.1 - 22.8 SAND some clay, fine, subrounded; white to pale green, moist	SP-SC		21.1 117.5
		22.8 - 23.4 CLAY some sand and trace gravel; soft; fine, limestone gravel, brownish gray; pale green to greenish gray, moist	CL		116.9
25	115	23.4 - 28.2 Sandy CLAY, trace to some silt; pale green to white, loose to compact, wet, fossiliferous (weathered limestone)	CL		23.4 112.1
		28.2 - 30.0 CLAY trace sand and gravel; soft; fine angular sand, fine rounded gravel; green, moist (weathered limestone)	CL		28.2 110.3
30	110	Boring completed at 30.0 ft			

COMMENTS

1.) Borehole location is adjacent to monitoring well CCR-4; survey coordinates shown are from CCR-4.

2.) Ground surface elevation is estimated based on ground surface elevation of monitoring well CCR-4.

3.) Boreholes were backfilled with 20/30 graded silica sand to 5 ft bgs and the remaining borehole was filled with bentonite chips to land surface.

4.) Water-level elevations are estimated based on depth-to-water measurements from adjacent monitoring well CCR-4.

5.) Density descriptions are based on field observations and not form SPT blow counts.

6.) Soil cores were collected and transported to Golder's Tampa office. The soil cores were later logged by M. Boatman for mineralogic description of lithology.

7.) Based on lithologic descriptions, mine tailings and/or fill was encountered from approximately ground surface to 19.5 ft bgs and in-situ residual soil and/or weathered rock from 19.5 ft bgs to terminal depth.

LOG SCALE: 1 in = 4 ft
DRILLING COMPANY: Action Environmental
DRILLER: Omar Velazquez

INSPECTOR: M. Boatman
CHECKED BY: G. Morelli
DATE: 5/30/19

GOLDER

RECORD OF BOREHOLE CCR-5A

SHEET 1 of 1

PROJECT: Lakeland Electric CCR
PROJECT NUMBER: 19117001
DRILLED DEPTH: 30.0 ft
AZIMUTH: N/A
LOCATION: Lakeland, FL

DRILL METHOD: Direct Push
DRILL RIG: Geoprobe 3230 DT
DATE STARTED: 2/11/2019
DATE COMPLETED: 2/11/2019
WEATHER: Partly cloudy

DATUM: NAD83 / NAVD88
COORDS: N: 1,362,716.0 E: 683,376.9
GS ELEVATION: 138.6 ft
TRC ELEVATION: N/A ft
TEMPERATURE: 88° F

INCLINATION: -90
DEPTH W.L.: 7.29 ft
ELEVATION W.L.: 131.31 ft
DATE W.L.: 3/12/2019
TIME W.L.: 11:00

DEPTH (ft)	ELEVATION (ft)	SOIL PROFILE DESCRIPTION	USCS	GRAPHIC LOG	ELEV. / DEPTH (ft)
0		0.0 - 5.0 SAND, fine; brown, dry	SP		133.6
	135				
5		5.0 - 8.4 SAND, fine to medium, subrounded, uniform grading; white with small rounded black heavy minerals	SP		5.0 130.2
	130	8.4 - 8.9 CLAY some sand and gravel; fine white gravel and fine to medium sand; white, moist	CL		129.7
		8.9 - 10.0 SAND, fine to medium, subrounded; white with small black heavy minerals, moist	SP		8.9 128.6
10		10.0 - 12.3 No Recovery			10.0 126.3
		12.3 - 13.0 SAND, fine to medium, subrounded; dark brown, loose, moist	SP		12.3 125.6
	125	13.0 - 15.0 SAND and CLAY; fine, subrounded; soft to firm; white to pale green with orange spots	SC		13.0 123.6
15		15.0 - 16.9 No Recovery			15.0 121.7
		16.9 - 18.2 SAND trace to some silt; fine to medium, subrounded to subangular; dark brown to black, loose to compact, moist to wet	SP-SM		16.9 120.4
	120	18.2 - 19.3 SAND, fine; dark brown with small black heavy minerals, loose to compact, wet	SP		18.2 119.3
		19.3 - 20.0 SAND, very fine to fine; dark brown to black, loose to compact, wet, contact water separates to tan and black	SP		19.3 118.6
20		20.0 - 22.3 No Recovery			20.0 116.3
		22.3 - 23.1 SAND some clay; fine, subrounded; soft; dark brown, wet	SP-SC		22.3 115.5
	115	23.1 - 24.2 SAND, fine to medium, subrounded; dark brown with smal black heavy minerals, loose, wet	SP		23.1 114.4
		24.2 - 25.0 SAND trace gravel; fine, subrounded, sand; fine to coarse, rounded, gravel; tan to white, wet	SP		24.2 113.6
25		25.0 - 27.4 No Recovery			25.0 111.2
		27.4 - 28.5 SAND, fine, rounded, dark brown with black heavy minerals, loose, wet	SP		27.4 110.1
	110	28.5 - 30.0 SAND trace organics; fine to medium; twigs and roots; light brown to light gray with black heavy minerals, loose, wet	SP		28.5 108.6
30		Boring completed at 30.0 ft			

COMMENTS

1.) Borehole location is adjacent to monitoring well CCR-5; survey coordinates shown are from CCR-5.

2.) Ground surface elevation is estimated based on ground surface elevation of monitoring well CCR-5.

3.) Boreholes were backfilled with 20/30 graded silica sand to 5 ft bgs and the remaining borehole was filled with bentonite chips to land surface.

4.) Water-level elevations are estimated based on depth-to-water measurements from adjacent monitoring well CCR-5.

5.) Density descriptions are based on field observations and not form SPT blow counts.

6.) Soil cores were collected and transported to Golder's Tampa office. The soil cores were later logged by M. Boatman for mineralogic description of lithology.

7.) Based on lithologic descriptions, mine tailings and/or fill was encountered from approximately ground surface to terminal depth.

LOG SCALE: 1 in = 4 ft
DRILLING COMPANY: Action Environmental
DRILLER: Omar Velazquez

INSPECTOR: M. Boatman
CHECKED BY: G. Morelli
DATE: 5/30/19

GOLDER

GLDR_GEOTECH NO SPT 1545454.2_REV1 (1).GPJ 5/30/19

RECORD OF BOREHOLE CCR-7A

SHEET 1 of 1

PROJECT: Lakeland Electric CCR
PROJECT NUMBER: 19117001
DRILLED DEPTH: 30.0 ft
AZIMUTH: N/A
LOCATION: Lakeland, FL

DRILL METHOD: Direct Push
DRILL RIG: Geoprobe 3230 DT
DATE STARTED: 2/11/2019
DATE COMPLETED: 2/11/2019
WEATHER: Partly cloudy

DATUM: NAD83 / NAVD88
COORDS: N: 1,363,631.9 E: 683,772.2
GS ELEVATION: 139.1 ft
TRC ELEVATION: N/A ft
TEMPERATURE: 86° F

INCLINATION: -90
DEPTH W.L.: 5.43 ft
ELEVATION W.L.: 133.67 ft
DATE W.L.: 3/12/2019
TIME W.L.: 11:05

DEPTH (ft)	ELEVATION (ft)	DESCRIPTION	USCS	GRAPHIC LOG	ELEV. / DEPTH (ft)
0		0.0 - 5.0 SAND, fine; light brownish gray, dry to wet	SP		
	135	4.0: ~ moist at 4 ft bgs			134.1
5		5.0 - 6.0 No Recovery			5.0 133.1
		6.0 - 7.0 SAND with pockets of sand/clay; fine, subrounded, uniform grading; fine sand/clay matrix, firm; tan to dark brown, loose to compact, wet	SP		6.0 132.1
		7.0 - 7.4 SAND, fine, subrounded, uniform grading; black, loose to compact, wet	SP		131.7 7.4
	130	7.4 - 10.0 SAND with pockets of sand/clay; fine, subrounded, uniform grading; fine sand/clay matrix, firm; tan to dark brown, loose to compact, wet	SP		129.1
10		10.0 - 11.0 No Recovery			10.0 128.1
		11.0 - 15.0 SILTY SAND, fine, subrounded, uniform grading, dark brown with black heavy minerals, loose, wet	SM		11.0
	125	13.4: 13.4-13.8 pockets of white sand/clay matrix			124.1
15		15.0 - 17.0 No Recovery			15.0 122.1
		17.0 - 17.8 SAND trace to some silt; fine, uniform grading; dark brown to black, wet	SP-SM		17.0 121.3
		17.8 - 18.5 CLAY; white, soft to firm, moist	CL		17.8 120.6
	120	18.5 - 20.0 SAND trace to some silt and sady clay; fine, uniform grading; dark brown, wet	SP-SM		18.5 119.1
20		20.0 - 25.0 SAND with pockets of sandy clay; fine, uniform grading; white clay; brown with black heavy minerals, wet	SP/CL		20.0
	115				114.1
25		25.0 - 26.1 No Recovery			25.0 113.0
		26.1 - 26.6 SAND, fine, subrounded, uniform grading; dark brown, loose, wet	SP		112.5
		26.6 - 27.2 SAND and CLAY; fine to coarse; soft; white to pale green, wet	SC/CL		111.9 27.2
		27.2 - 28.6 SAND, fine, subrounded, uniform grading; light brown, loose, wet	SP		110.5
	110	28.6 - 29.3 Sandy CLAY; fine to coarse, subrounded; compact, pale green, moist	CL		28.6 109.8
		29.3 - 30.0 Sandy CLAY, fine, subrounded, uniform grading; light to dark brown, loose, wet	CL		29.3 109.1
30		Boring completed at 30.0 ft			

COMMENTS

1.) Borehole location is adjacent to monitoring well CCR-7; survey coordinates shown are from CCR-7.

2.) Ground surface elevation is estimated based on ground surface elevation of monitoring well CCR-7.

3.) Boreholes were backfilled with 20/30 graded silica sand to 5 ft bgs and the remaining borehole was filled with bentonite chips to land surface.

4.) Water-level elevations are estimated based on depth-to-water measurements from adjacent monitoring well CCR-7.

5.) Density descriptions are based on field observations and not form SPT blow counts.

6.) Soil cores were collected and transported to Golder's Tampa office. The soil cores were later logged by M. Boatman for mineralogic description of lithology.

7.) Based on lithologic descriptions, mine tailings and/or fill was encountered from approximately ground surface to 17 ft bgs and in-situ residual soil and/or weathered rock from 17 ft bgs to terminal depth.

LOG SCALE: 1 in = 4 ft
DRILLING COMPANY: Action Environmental
DRILLER: Omar Velazquez

INSPECTOR: M. Boatman
CHECKED BY: G. Morelli
DATE: 5/30/19

GOLDER

GLDR_GEOTECH NO SPT 1545454.2_REV1 (1).GPJ 5/30/19

RECORD OF BOREHOLE CCR-13A

SHEET 1 of 1

PROJECT: Lakeland Electric CCR
PROJECT NUMBER: 19117001
DRILLED DEPTH: 30.0 ft
AZIMUTH: N/A
LOCATION: Lakeland, FL

DRILL METHOD: Direct Push
DRILL RIG: Geoprobe 3230 DT
DATE STARTED: 2/12/2019
DATE COMPLETED: 2/12/2019
WEATHER: Partly cloudy

DATUM: NAD83 / NAVD88
COORDS: N: 1,362,936.6 E: 682,164.1
GS ELEVATION: 135.0 ft
TRC ELEVATION: N/A ft
TEMPERATURE: 72° F

INCLINATION: -90
DEPTH W.L.: 2.39 ft
ELEVATION W.L.: 132.61 ft
DATE W.L.: 3/12/2019
TIME W.L.: 11.58

DEPTH (ft)	ELEVATION (ft)	SOIL PROFILE: DESCRIPTION	USCS	GRAPHIC LOG	ELEV. / DEPTH (ft)
0	135	0.0 - 2.0 SAND, fine; light brown, dry	SP		133.0
		2.0 - 4.0 SAND, fine; dark grayish brown, dry	SP		2.0 131.0
		4.0 - 5.0 SAND, fine; brown, dry	SP		4.0 130.0
5	130	5.0 - 7.1 SAND, fine, subrounded, uniform grading; black to dark gray, loose, moist to wet	SP		5.0 127.9
		7.1 - 9.4 SILTY SAND, fine, uniform grading; tan to white, compact to dense, wet	SM		7.1 125.6
10	125	9.4 - 10.0 SAND, fine, uniform grading; black with heavy minerals, loose, wet	SP		125.0
		10.0 - 12.0 No Recovery			10.0 123.0
		12.0 - 15.0 SAND, fine to medium, subrounded; dark brown, loose to compact, wet 14.2: root encountered	SP		12.0 120.0
15	120	15.0 - 17.0 No Recovery			15.0 118.0
		17.0 - 19.0 SAND trace to some clay, fine, uniform grading; grayish brown/tan with black heavy minerals, loose, wet. - two black bands at 17.3 and 17.6 ft bgs	SP-SC		17.0 116.0
		19.0 - 20.0 SAND, fine, uniform grading; grayish brown with black heavy minerals, compact, moist	SP		19.0 115.0
20	115	20.0 - 25.0 SAND, fine to medium, uniform grading; tan to white wih heavy minerals grains, wet	SP		20.0 110.0
25	110	25.0 - 30.0 CLAY trace sand; fine, sand; white to pale green, firm to stiff, slight mottling, moist	CL		25.0 105.0
30	105	Boring completed at 30.0 ft			

COMMENTS

1.) Borehole location is adjacent to monitoring well CCR-13; survey coordinates shown are from CCR-13.

2.) Ground surface elevation is estimated based on ground surface elevation of monitoring well CCR-13.

3.) Boreholes were backfilled with 20/30 graded silica sand to 5 ft bgs and the remaining borehole was filled with bentonite chips to land surface.

4.) Water-level elevations are estimated based on depth-to-water measurements from adjacent monitoring well CCR-13.

5.) Density descriptions are based on field observations and not form SPT blow counts.

6.) Soil cores were collected and transported to Golder's Tampa office. The soil cores were later logged by M. Boatman for mineralogic description of lithology.

7.) Based on lithologic descriptions, mine tailings and/or fill was encountered from approximately ground surface to 25 ft bgs and in-situ residual soil and/or weathered rock from 25 ft bgs to terminal depth.

LOG SCALE: 1 in = 4 ft
DRILLING COMPANY: Action Environmental
DRILLER: Omar Velazquez

INSPECTOR: M. Boatman
CHECKED BY: G. Morelli
DATE: 5/30/19

GOLDER

GLDR_GEOTECH NO SPT 1545454.2_REV1 (1).GPJ 5/30/19

RECORD OF BOREHOLE CCR-14A

SHEET 1 of 1

PROJECT: Lakeland Electric CCR
PROJECT NUMBER: 19117001
DRILLED DEPTH: 30.0 ft
AZIMUTH: N/A
LOCATION: Lakeland, FL

DRILL METHOD: Direct Push
DRILL RIG: Geoprobe 3230 DT
DATE STARTED: 2/12/2019
DATE COMPLETED: 2/12/2019
WEATHER: Partly cloudy

DATUM: NAD83 / NAVD88
COORDS: N: 1,362,771.1 E: 681,761.2
GS ELEVATION: 135.8 ft
TRC ELEVATION: N/A ft
TEMPERATURE: 75° F

INCLINATION: -90
DEPTH W.L.: 3.76 ft
ELEVATION W.L.: 132.04 ft
DATE W.L.: 3/12/2019
TIME W.L.: 12:06

DEPTH (ft)	ELEVATION (ft)	DESCRIPTION	USCS	GRAPHIC LOG	ELEV. / DEPTH (ft)
0	135	0.0 - 5.0 SAND, fine; brown, dry to moist	SP		130.8
5	130	5.0 - 7.4 SAND some silt; fine, subrounded, uniform grading; grayish brown, wet, loose 6.3: 6.3-6.7 ft bgs, CLAY pocket; soft; white, moist	SP-SM		5.0 128.4
		7.4 - 10.0 SAND, fine, subrounded, uniform grading; light to medium grayish brown, moist 8.6: 8.6-8.8 ft bgs, (CL) CLAY; soft; white, moist	SP		7.4 125.8
10	125	10.0 - 11.2 No Recovery			10.0 124.6
		11.2 - 12.3 SILTY SAND, fine, subrounded, uniform graded; white to light gray, wet, loose	SM		11.2 123.5
		12.3 - 15.0 CLAYEY SAND to Sandy CLAY, fine, subrounded; white to tan, moist, compact	SC/CL		12.3 120.8
15	120	15.0 - 16.4 No Recovery			15.0 119.4
		16.4 - 18.3 CLAYEY SAND to Sandy CLAY, fine to coarse, subangular, fossil fragments; white to pale green, wet, loose to compact	SC/CL		16.4 117.5
		18.3 - 20.0 SAND, fine to medium, subrounded to subangular, uniform grading; moist, compact to dense	SP		18.3 115.8
20	115	20.0 - 22.8 Sandy CLAY; fine to coarse, subangular coarse (fossil fragments); pale green to green, compact to dense (weathered limestone)	CL		20.0 113.0
		22.8 - 25.0 Sandy CLAY, fine to medium; white to pale green, moist, loose to compact	CL		22.8 110.8
25	110	25.0 - 27.0 Sandy CLAY; fine to coarse, subangular coarse (fossil fragments); pale green to green, compact to dense (weathered limestone)	CL		25.0 108.8
		27.0 - 30.0 CLAY trace sand; coarse sand; green and olive brown mottled, phosphatic grains, moist, stiff to hard (weathered limestone)	CL		27.0 105.8
30	105	Boring completed at 30.0 ft			

COMMENTS

1.) Borehole location is adjacent to monitoring well CCR-14; survey coordinates shown are from CCR-14.

2.) Ground surface elevation is estimated based on ground surface elevation of monitoring well CCR-14.

3.) Boreholes were backfilled with 20/30 graded silica sand to 5 ft bgs and the remaining borehole was filled with bentonite chips to land surface.

4.) Water-level elevations are estimated based on depth-to-water measurements from adjacent monitoring well CCR-14.

5.) Density descriptions are based on field observations and not form SPT blow counts.

6.) Soil cores were collected and transported to Golder's Tampa office. The soil cores were later logged by M. Boatman for mineralogic description of lithology.

7.) Based on lithologic descriptions, in-situ residual soil and/or weathered rock was encountered from approximately ground surface to terminal depth.

LOG SCALE: 1 in = 4 ft
DRILLING COMPANY: Action Environmental
DRILLER: Omar Velazquez

INSPECTOR: M. Boatman
CHECKED BY: G. Morelli
DATE: 5/30/19

GOLDER

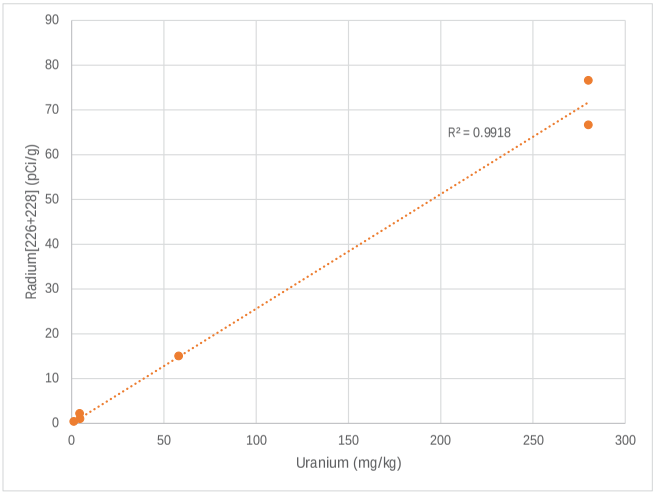
GLDR_GEOTECH NO SPT 1545454.2_REV1 (1).GPJ 5/30/19

APPENDIX D

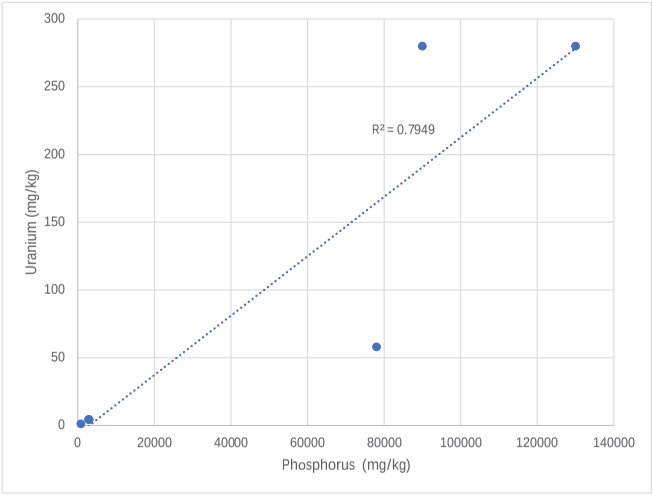
Geochemical Evaluation of Radium-226+228 in Soils

PATH: https://golderassociates.sharepoint.com/sites/103931/Technical Work/Revised ASD/Revised ASD/Appendices/Appendix C | FILE NAME: DRAFT_FINAL_FIGURES_TABLES.xlsx

(a)



(b)



Results of chemical analysis of soils from boreholes for radionuclides and phosphorus

Soil Boring ID	Depth of samples (ft. bgs.)	Total Uranium (mg/kg)	Phosphorus (mg/kg)	Radium 226 (pCi/g)	Radium 228 (pCi/g)	Total Radium (pCi/g)
CCR-4A	24 - 25	280	130,000	75.9	0.726	76.6
CCR-15	24 - 25	4.5	2,800	0.702	0.328	1.03
CCR-16	24 - 25	4.3	3,000	1.14	1.07	2.21
CCR-18	24 - 25	1.2	800	0.443	ND	0.443
CCR-22	24 - 25	280	90,000	65.2	1.49	66.7
CCR-23	24 - 25	58	78,000	14.7	0.359	15.1

Notes:
mg/kg- milligrams per kilogram
pCi/g- picocuries per gram
ft. bgs.- feet below ground surface

CLIENT
LAKELAND ELECTRIC

CONSULTANT
GOLDER

PROJECT
BSA CCR GROUNDWATER
C.D. McINTOSH POWER PLANT
LAKELAND, POLK COUNTY, FLORIDA

TITLE
GEOCHEMICAL EVALUATION OF RADIUM-226+228 IN SOILS

PROJECT NO.	PHASE	REV.	FIGURE
19-117001	01	A	D

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

APPENDIX E

Mineralogical Assessment prepared by Petrologic Solutions, Inc.

Petrologic Solutions, Inc.
3997 Oak Hill Road
Douglasville, GA 30135
Tel: (678) 313-4146
rlkath@comcast.net

June 4, 2019 P18-2058

Anthony Grasso, P.G.
Golder Associates Inc.
5402 Beaumont Center Boulevard, Suite 108
Tampa, Florida, USA 33634

RE: TRANSMITTAL OF ANALYTICAL RESULTS IN SUPPORT OF THE EVALUATION OF RADIONUCLIDE SOURCES AT THE C.D. McINTOSH POWER PLANT, POLK COUNTY, LAKELAND, FLORIDA

Dear Mr. Grasso:

Petrologic Solutions, Inc. (Petrologic) was retained by Golder Associates Inc. (Golder) to evaluate soil samples for the presence of naturally-occurring radiogenic minerals and elements in support of Lakeland Electric's evaluation of radionuclide sources beneath the Byproduct Storage Area (BSA) at the C.D. McIntosh Power Plant (MPP) in Lakeland, Florida. For this work effort, Petrologic conducted petrographic analysis, qualitative X-ray diffraction (XRD), Scanning Electron Microscopy (SEM), and bulk geochemical analysis of unconsolidated soil samples collected from borings recently advanced at the site. Analytical procedures and results of these analyses are presented herein.

1.0 SAMPLE COLLECTION, PREPARATION, AND DESCRIPTION

Six soil borings were advanced around the perimeter of the BSA adjacent to monitoring wells CCR2, CCR4, CCR5, CCR7, CCR13, and CCR14 in February 2019, using Direct Push Technology (DPT). These additional borings, designated CCR2A, CCR4A, CCR5A, CCR7A, CCR13A, and CCR14A, were each extended to 30 feet below ground surface (ft. bgs). The locations of the borings were selected to evaluate geologic conditions of downgradient monitoring wells that encountered statistically significant levels of Radium-226 (Ra^{226}) and Radium-228 (Ra^{228}) during recent groundwater sampling events. An additional boring was located adjacent to CCR2, which occurs in an upgradient or side gradient position relative to the BSA. Golder logged the soil samples collected from the borings on March 1, 2019 and shipped 40 representative samples to Petrologic for analysis. Upon receipt, the soil samples were saturated; consequently, the samples were dried at 100 °C for 12-hours and then relogged by Petrologic.

Based on visual observation of the dried samples, generally two different material types were represented in the 40 samples collected. The upper-most unit consists of subangular to subrounded, fine- to medium-grained sand that varies in color, silt content, and abundance of heavy minerals. The sand-sized material is largely comprised of quartz, feldspar and a variety of dark heavy minerals; mineralogy of the very fine-grained matrix of the sand could not be determined through visual observation. This unit, as represented on the soil logs provided by Golder, ranges from approximately 20 feet to greater than 30 feet thick and was encountered in the upper parts of each of the additional DPT borings advanced. Although the samples show lithologic variability, no lateral continuity was apparent, giving the material a disturbed or disrupted appearance.

A second unit, observed to locally underlie the sand unit, consists of white to buff-tan, very fine- to fine-grained clayey sand to sandy clay with variable concentrations of silt and local occurrence of marine fossils (bryozoans and bivalves) and bone fragments. This lower unit is largely comprised of clay and quartz, with accessory minerals including rounded brown collophane (fine-grained apatite) "balls" and dolomite. Where present, this clayey sand to sandy clay unit, as represented on the soil logs provided by Golder, ranges from at least 5 feet to 10 feet thick and was encountered in the lower part of each of the DPT borings advanced except for CCR2A and CCR5A. The lateral continuity of this material along with the occurrence of dolomite, marine fossils, and bone, indicates that this unit may represent in-situ material.

From the 40 samples provided, Petrologic selected a subset of 16 samples for supplemental evaluation using a variety of analytical techniques, discussed in Section 2.0. These 16 samples were screened for the occurrence of radiogenic minerals using petrographic analysis of polished thin sections, XRD analysis, and radiogenic elements using bulk geochemistry. Based on these results, Petrologic selected a subset of 5 samples for SEM analysis to evaluate the presence of radiogenic minerals observed in thin section.

2.0 ANALYTICAL TECHNIQUES

Petrographic Analysis

Splits of the dried samples were prepared for petrographic analysis. The 16 soil samples selected from CCR2A, CCR4A, CCR5A, CCR7A, CCR13A, and CCR14A were re-dried and vacuum impregnated with clear epoxy by National Petrographic. The samples were mounted to a microscope slide; once the epoxy cured and then cut using a water-based cutoff saw. After drying the epoxy at 130 °C for 35 minutes, the billets were cut off from the microscope slides and the epoxied material was ground to approximately 35μm. After reaching 35μm, the samples were then polished using a roto-polishing system to a final thickness of 30μm. During grinding and polishing of the clayey samples, the clays were absorbing the grinding oils; consequently, the oil was cleaned with acetone repetitively during the grinding and polishing process to prevent oil from impregnating the clays.

Photomicrographs of the thin sections were taken using plane-polarized light (PPL), cross-polarized light (XPL), or reflected light (RL) on standard using an Olympus BX-60 petrographic microscope and Pixelink 662 digital camera in the microscopy lab at the University of West Georgia, Department of Geosciences. Unless otherwise indicated, all images were taken at 5x magnification; the long-edge of the field of view in the photographs is approximately 2.5 mm in length. Representative photomicrographs are presented in Attachment 1.

Qualitative X-Ray Diffraction - XRD

Splits of the dried samples were prepared for qualitative XRD analysis. The 16 soil samples selected from CCR2A, CCR4A, CCR5A, CCR7A, CCR13A, and CCR14A were ground using a mortar and pestle to create fine-grained powders (~10-12μm-diameter). The fine powders were then loaded on Whatman GF/C glass fiber filters using the Tubular Aerosol Suspension Chamber (TASC) method. This method is used to reduce preferred orientation and allow for a uniform particle distribution over the load area. The samples were loaded into a Philips PW-3710 X-ray diffractometer using a spinning stage pedestal and Cu-Kα X-ray source. The samples were run at 0.96 (~1) degree two-theta per minute from 4 to 64 degrees two-theta. Sample identification was conducted using a semi-automated search-match computer program (High Score) which utilizes a Joint Committee on Powder Diffraction Standards (JCPDS) and Crystallography Open (COD) databases; and manual identification using published reference patterns. Additionally, some of the

XRD patterns were overlain with unpublished reference patterns obtained at the University of West Georgia. Interpreted XRD patterns are presented in Attachment 2.

Bulk Geochemistry

Sixteen dried soil samples collected from CCR2A, CCR4A, CCR5A, CCR7A, CCR13A, and CCR14A were provided to American Assay Laboratory (AAL) in Sparks, Nevada for bulk geochemical elemental analysis. All 16 samples were placed in a drying oven at 90°C by AAL prior to analysis. After drying, samples were transferred into ring and puck shatterbox where samples were reduced to a fine powder (200 mesh). A 0.5-gram sample was then weighed and placed into Teflon sample tubes for acid digestion with HNO_3+HCl+HF+$HClO_4$ for 1 hour. Major, minor and trace element concentrations of the samples were determined by Inductively Coupled Plasma (ICP)- Mass Spectrometry (MS) using ICP-5AM48 protocol. Geochemical results are included as Attachment 3 and summarized on Table 1, presented in Section 3.0.

Scanning Electron Microscopy - SEM

The University of West Georgia Microscopy Center (WGMC) at the Department of Geosciences completed SEM analysis of five polished thin sections, one sample each from CCR2A, CCR7A, and CCR13A, and two samples from CCR14A. The selected thin sections were carbon-coated to reduce surface charging during SEM analysis. Qualitative backscattered electron imaging (BSE) and identification of potential Uranium (U)/Thorium (Th)-bearing accessory minerals in the coated polished thin-sections were conducted using the FEI Quanta 200 SEM instrument and attached Bruker EDX detector for semi-quantitative analysis. Analyses were completed using a 20 kilovolt (kV) accelerating voltage on the filament and a partial vacuum of 0.45 Torr in the sample chamber. Images, spectra, and elemental maps were collected, processed, and annotated using the Bruker ESPRIT software package. Images resulting from the SEM analyses are presented in Attachment 4.

3.0 RESULTS

Petrographic Analysis

Petrographic analysis was conducted on all 16 polished thin-sections to determine the major and minor mineralogy of each sample. Based on petrographic analysis of the upper sand, this unit is characterized by more than 95 volume percent detrital quartz, which is typically subangular to subrounded. Associated with the quartz are accessory minerals that include microcline, muscovite, staurolite, kyanite, zircon, rutile, and ilmenite. The matrix of the sand is variably comprised of kaolinite and eylettersite, and is locally cemented with wavellite.

Based on petrographic analysis of the lower clayey sand to sandy clay unit, this unit is characterized by subangular sand in a clayey matrix. Large rounded grains of collophane, marine fossils (Bryozoa and Molluska), and bone fragments also occur within this more clay-rich unit. Collophane is a massive cryptocrystalline apatite comprised of apatite, fluorapatite and hydroxyapatite. Typically, apatite-minerals are not optically isotropic; however, the cryptocrystalline nature of the collophane makes it optically isotropic in thin section. In one sample, CCR14A (28.3-28.6), dolomite is present in the clayey matrix. Accessory minerals include microcline, staurolite, ilmenite, and zircon.

Photomicrographs for selected samples are presented in Attachment 1.

Qualitative X-Ray Diffraction - XRD

X-Ray powder diffraction scans were completed on all 16 samples to identify the major minerals present. A limitation of XRD analysis is that the lower detection limit is approximately 4 to 5 weight percent. Therefore, diffraction peaks for accessory minerals that are less than approximately 5 weight percent of the rock are typically lost in the background. As previously discussed, the samples are loaded GF/C filters using an aerosol suspension chamber. This method of sample preparation reduces preferred orientation; however, it is a thin layer diffraction technique. Consequently, each of the XRD scans presented in Attachment 2 shows two aluminum peaks that represent the aluminum sample holder upon which the loaded filters are mounted; therefore, aluminum-metal is not contained in these samples.

Consistent with the petrographic analysis, XRD analysis indicates that mineralogy of the upper sand unit is primarily comprised of quartz with minor zircon. Kaolinite and wavellite were also observed, along with the presence of eylettersite occurring in increased concentration near the base of this unit.

The lower clay-rich unit is characterized by the occurrence of quartz, hydroxyapatite, fluorapatite, palygorskite, and minor wavellite. Additionally, the deepest sample, collected from CCR14A at 28.3-28.6 ft. bgs, contains dolomite. Annotated XRD scans for the selected samples are presented in Attachment 2.

Bulk Geochemistry

A summary of selected major, minor and trace elemental geochemistry of soil samples from CCR2A, CCR4A, CCR5A, CCR7A, CCR13A, and CCR14A is presented on Table 1. A complete listing of all geochemical data is presented in Attachment 3.

As indicated in these summary results, the radiogenic elements uranium and thorium were detected in all of the samples collected from the upper sand unit and lower clayey sand to sandy clay unit. The radiogenic elements rubidium and potassium were also detected in many of the samples.

Scanning Electron Microscopy - SEM

Petrographic and XRD analyses indicated the presence of minerals that are potentially radiogenic, and bulk geochemistry confirms the presence of radiogenic elements. Scanning Electron Microscopy was used to confirm the presence of the radiogenic elements detected in the bulk geochemistry in the radiogenic minerals identified in thin section and XRD patterns.

Radiogenic minerals identified from SEM analyses in representative sediment samples include the following:

Zircon	**Rutile**
Ilmenite	**Wavellite**
Hydroxyapatite	**Fluorapatite**
Collophane	**Eylettersite**

Energy dispersive spectroscopy (EDS), back scatter electron (BSE) images, and element maps of soil samples are presented as Attachment 4. In the BSE images, minerals that contain elements with low atomic numbers are shown in gray tones. Minerals that contain elements with large atomic numbers, generally show up as “bright” spots on the BSE image. Because

uranium and thorium have atomic numbers of 92 and 90, respectively, minerals that contain these elements are “brighter” than the surrounding matrix.

Once a mineral with high atomic number elements was identified in the BSE image, the mineral was analyzed using energy dispersive spectroscopy. EDS is an analytical technique for elemental analysis based on x-ray emission caused by electrons that are dislodged from the inner orbitals by an x-ray beam from the instrument. As the inner electron is ejected from the inner shell, the electron hole is filled by electrons from higher-energy shells. This transformation from an outer- to an inner-shell releases energy in the form of an x-ray that can be detected and quantified. The energy of the x-ray is characteristic for different elements and can be displayed on an EDS spectrum as a function of electron volts (KeV). EDS and BSE plots for each sample analyzed is presented in Attachment 4.

Discussion

Based on review of historic aerial photographs, topographic maps and mine records, Golder has interpreted that the BSA and surrounding area are underlain by either fine-grained phosphatic mine tailings and/or unmined phosphate deposits. Results from visual observation, petrographic analysis, XRD analysis, bulk chemistry, and SEM analysis conducted for this work effort support this interpretation.

Two types of material were generally encountered in the six additional DPT borings advanced around the BSA. Based on the absence of glass (spherical or shards) in the thin sections or XRD patterns, and relatively low arsenic, beryllium and lithium concentrations, along with the high concentration of wavellite-cemented detrital quartz, microcline, zircon, staurolite, kyanite, ilmenite, and rutile, the upper sand unit encountered is not considered to represent coal combustion residuals (CCR). Although there is lithologic variability in this sand unit, there is no lateral continuity, giving the material a disturbed appearance; consequently, the absence of stratigraphy in a marine sand sequence and known land-use history indicates that this material likely represents backfilled materials, comprised of either removed and replaced overburden, unrecoverable ore, processed mine tailings, and/or mine waste. The underlying clayey-sand to sandy clay unit is interpreted to represent unmined, in-situ material, based on the occurrence of palygorskite, collophane apatite (with quartz inclusions), dolomitic carbonate, marine fossils, and bone fragments.

It is well-documented by Golder that phosphate deposits mined in this area contain naturally-occurring radiogenic minerals. Based on petrographic, XRD and SEM analysis, several potentially radiogenic minerals were identified in the soil samples collected, including: eylettersite (thorium-bearing aluminum phosphate); wavellite (uranium-bearing aluminum phosphate); collophane, apatite, hydroxyapatite, and fluorapatite (uranium-bearing calcium phosphates); and zircon, rutile, and ilmenite (uranium-bearing oxides). This is further supported by the detection of uranium concentrations up to 467ppm and thorium concentrations up to 23.4ppm in the bulk geochemistry, as summarized in Table 1 and presented in Attachment 3.

Radioactive decay products from naturally occurring radionuclides such as uranium and thorium are potential sources of Ra^{226} and Ra^{228}. Results from this investigation and regional mineral resource evaluations reveal significant uranium and other accessory constituents that are associated with the phosphate ore mined at and near the BSA. Published uranium concentrations in phosphate-bearing rocks have typical concentrations of up to 300 ppm, significantly exceeding concentrations reported for US coals and fly ash (USGS 1997). As shown on Table 1, naturally occurring radionuclides in phosphate ore and mine tailings surrounding the BSA are consistent with, and locally have higher concentrations of uranium than published concentrations in CCR.

Based on research conducted by Golder, the BSA is located in one of the most productive districts of the land-pebble phosphate mining in Florida. Because land-pebble deposits contain phosphates with elevated concentrations of uranium, this district was also of economic interest to the United States Atomic Energy Commission (USACE) (Cathcart, 1949). Uranium is associated in different ways with the aluminum phosphate and calcium phosphate mining zones that occur within these types of deposits. The upper sand unit encountered around the BSA, appears to represent materials originally derived from the aluminum phosphate zone, indicated by the presence of wavellite, eylettersite, and kaolinite. Materials located in the leached portions of the aluminum phosphate zone, originally formed by the downward migration of oxygen-rich acidic water, were noted to have uranium concentrated in the finest fraction (Cathcart, 1964). The principal fine fraction in the leached zone is kaolinitic clay and eylettersite.

The lower clayey-sand unit appears to represent the calcium phosphate zone, which was the target ore that was mined beneath the BSA. Cathcart (1964) described this zone as being comprised of unconsolidated sand, clayey sand, and sandy clay containing abundant nodules of calcium phosphate. We interpret the rounded collophane “balls” which consist of apatite, hydroxyapatite, and fluorapatite to represent the calcium phosphate nodules described by Cathart (1964). Samples from this zone represent unmined, in-situ material that are locally present beneath the BSA.

Based on the results of this work effort, multiple sources for naturally occurring uranium and thorium, and their decay products of Ra^{226} and Ra^{228}, were identified in the unconsolidated samples taken from the DPT borings advanced adjacent to monitoring wells installed around the BSA.

4.0 CLOSING

Petrologic Solutions appreciates the opportunity to work with Golder Associates on this project. Should you require additional information related to this evaluation, please do not hesitate to contact us.

Respectfully submitted,
PETROLOGIC SOLUTIONS INC.



Randy Kath, PhD, PG
Senior Geologist and Principal

References:

Cathcart, J.B., 1964, Economic Geology of the Lakeland Quadrangle Florida. USGS Survey Bulletin 1162-G. US Government Printing Office, Washington.

USGS 1997. Radioactive Elements in Coal and Fly Ash: Abundance, Forms, and Environmental Significance. USGS Fact Sheet FS-163-97

Table 1. Summary of Selected Geochemical Data

Attachment 1: Photomicrographs of Sediment Samples
Attachment 2: Qualitative X-Ray diffraction scans
Attachment 3: Bulk Geochemistry
Attachment 4: SEM Backscatter Images and Associated EDS Spectra

Table 1: Summary of Selected Geochemical Data

Sample Number	*Depth (ft. BGS)*	Al_2O_3 wt%	TiO_2 wt%	Fe_2O_3 wt%	MgO wt%	MnO wt%	CaO wt%	K_2O wt%	NaO wt%	P_20_5 wt%
CCR2A	*18.7-19*	1.37	1.34	0.35	<MDL	0.01	0.10	0.06	0.01	0.47
CCR2A	*23-23.5*	9.22	1.06	0.50	0.05	0.01	0.51	0.13	0.02	2.29
CCR4A	*12.5-12.8*	0.42	0.50	0.08	<MDL	0.00	0.19	0.03	<MDL	0.05
CCR4A	*17-17.4*	3.75	0.62	0.13	0.05	0.00	0.20	0.06	0.02	0.67
CCR4A	*26.1-26.4*	9.12	0.36	0.45	0.10	0.01	23.38	0.36	0.13	>2.30
CCR5A	*19.3-20*	1.11	0.31	0.06	<MDL	0.00	0.13	0.04	0.03	0.22
CCR5A	*22.3-22.6*	9.32	0.42	0.34	0.05	0.00	0.48	0.10	0.03	1.10
CCR7A	*7-7.4*	0.59	0.51	0.10	<MDL	0.00	0.20	<MDL	<MDL	0.11
CCR7A	*14.6-15*	0.73	0.62	0.13	<MDL	0.01	0.08	<MDL	<MDL	0.16
CCR7A	*23.2-23.5*	8.70	0.51	0.71	0.05	0.00	0.90	0.07	0.20	>2.30
CCR13A	*9.4-10*	0.54	0.94	0.12	<MDL	0.00	0.41	<MDL	<MDL	0.13
CCR13A	*17.3-17.6*	4.12	0.36	0.16	0.03	0.00	0.26	0.05	<MDL	1.29
CCR13A	*27.8-28.2*	17.87	0.68	1.41	0.81	0.01	0.59	0.66	0.05	>2.30
CCR14A	*8.6-8.8*	7.61	0.46	0.42	0.14	0.00	1.05	0.13	0.02	2.13
CCR14A	*16.5-18*	11.95	0.53	0.50	0.08	0.01	0.72	0.18	0.02	>2.30
CCR14A	*28.3-28.6*	2.99	0.17	3.37	6.37	0.02	20.09	0.43	0.26	>2.30
Sample Number	*Depth (ft. BGS)*	As ppm	Be ppm	Cr ppm	Pb ppm	Rb ppm	Th ppm	U ppm	V ppm	Zr ppm
CCR2A	*18.7-19*	0.30	0.17	19.5	25.00	4.00	8.50	5.0	19.00	71.0
CCR2A	*23-23.5*	<MDL	1.22	42.9	29.00	6.00	12.90	50.4	59.00	70.2
CCR4A	*12.5-12.8*	<MDL	0.01	7.7	<MDL	<MDL	1.70	1.2	6.00	17.6
CCR4A	*17-17.4*	0.30	0.20	19.2	13.00	3.00	6.80	5.3	16.00	37.7
CCR4A	*26.1-26.4*	3.40	1.80	136.1	11.00	16.00	9.70	185.5	119.00	51.8
CCR5A	*19.3-20*	<MDL	0.05	6.6	6.00	2.00	2.10	4.1	5.00	15.9
CCR5A	*22.3-22.6*	0.70	1.22	49.6	24.00	5.00	8.20	34.2	35.00	44.0
CCR7A	*7-7.4*	0.60	0.05	7.9	4.00	<MDL	1.70	1.4	6.00	42.5
CCR7A	*14.6-15*	<MDL	0.05	10.1	4.00	<MDL	2.00	0.9	6.00	30.7
CCR7A	*23.2-23.5*	<MDL	0.93	50.5	22.00	3.00	8.80	35.0	33.00	60.9
CCR13A	*9.4-10*	0.40	0.04	11.4	16.00	<MDL	4.80	3.0	13.00	76.1
CCR13A	*17.3-17.6*	<MDL	0.49	23.4	12.00	3.00	6.30	22.4	25.00	43.5
CCR13A	*27.8-28.2*	0.20	1.58	162.8	21.00	41.00	23.40	164.4	247.00	167.2
CCR14A	*8.6-8.8*	<MDL	1.47	48.4	26.00	8.00	11.40	96.2	50.00	93.3
CCR14A	*16.5-18*	0.60	4.24	112.3	31.00	10.00	16.60	467.0	48.00	94.2
CCR14A	*28.3-28.6*	5.30	0.69	84.3	6.00	20.00	4.00	34.8	123.00	19.0

<MDL- less than method detection limit

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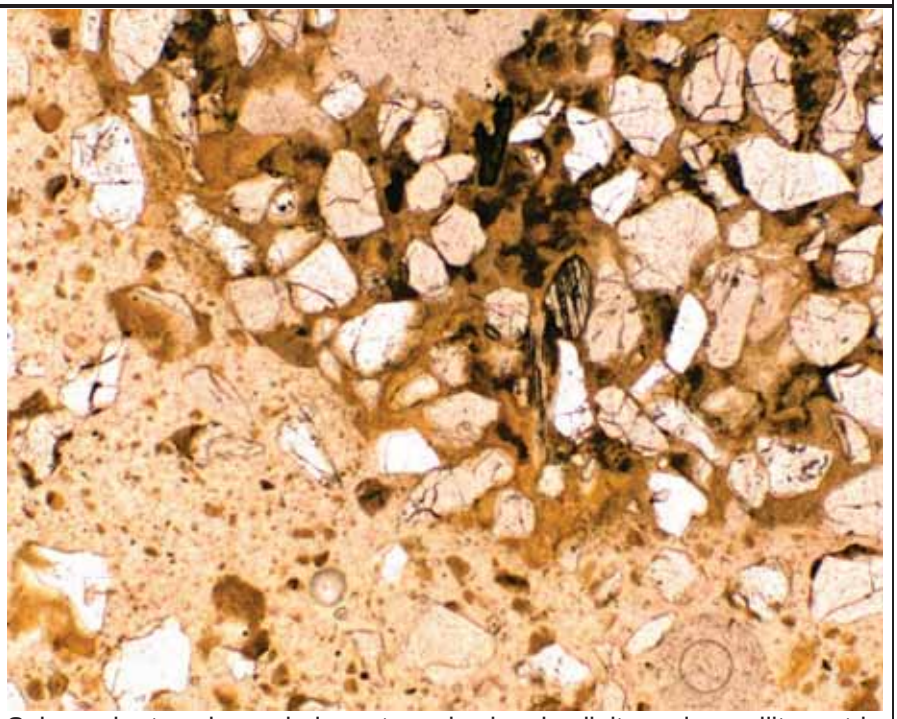
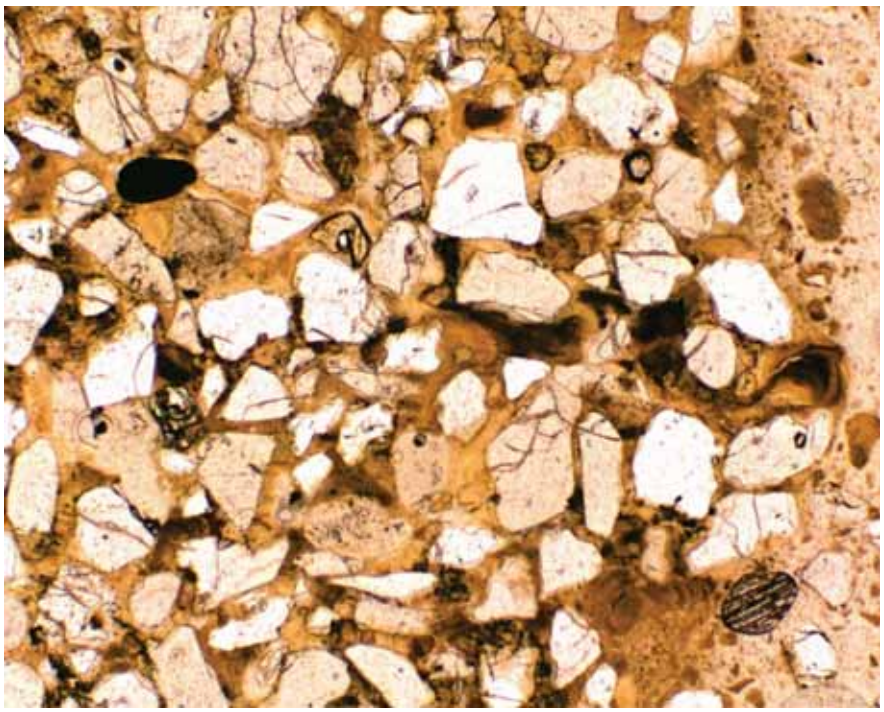
PetroLOGIC Solutions, Inc.

3997 Oak Hill Road
Douglasville, GA 30135
Tel: (678) 313-4146
email: rlkath@comcast.net

ATTACHMENT 1

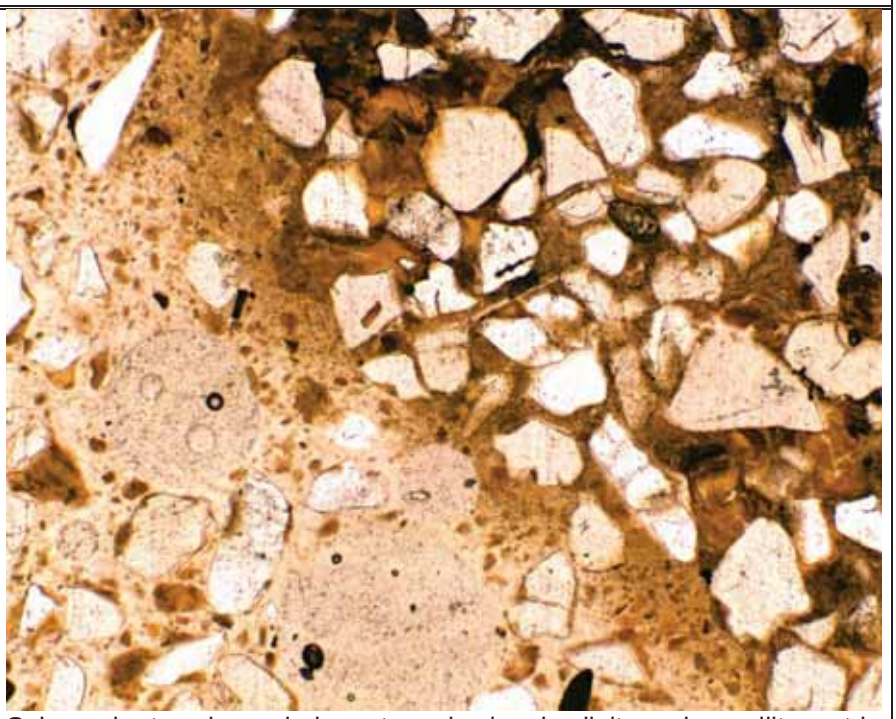
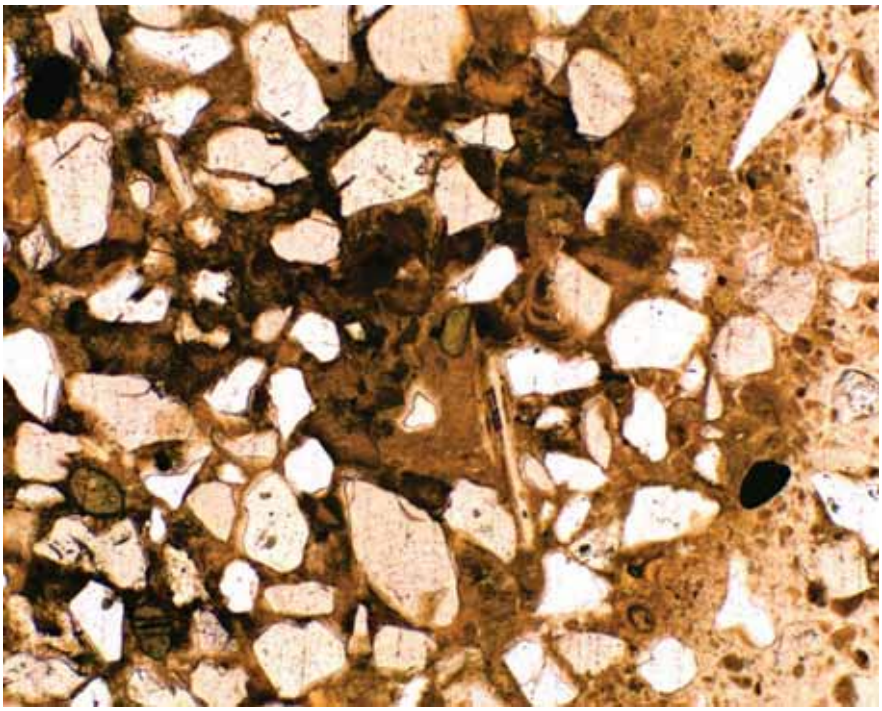
PHOTOMICROGRAPHS OF SELECT THIN SECTIONS

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PHOTO 1 CCR2A 23.0-23.5	 Subangular to subrounded quartz grains in a kaolinite and wavellite matrix (brown). Striated high-relief mineral is kyanite. Minor rutile. Plane light.
PHOTO 2 CCR2A 23.0-23.5	 Subangular to subrounded quartz grains in a kaolinite and wavellite matrix (brown). Striated high-relief mineral is kyanite; rounded opaque grain is ilmenite; pleochroic yellow minerals are staurolite. Plane light.

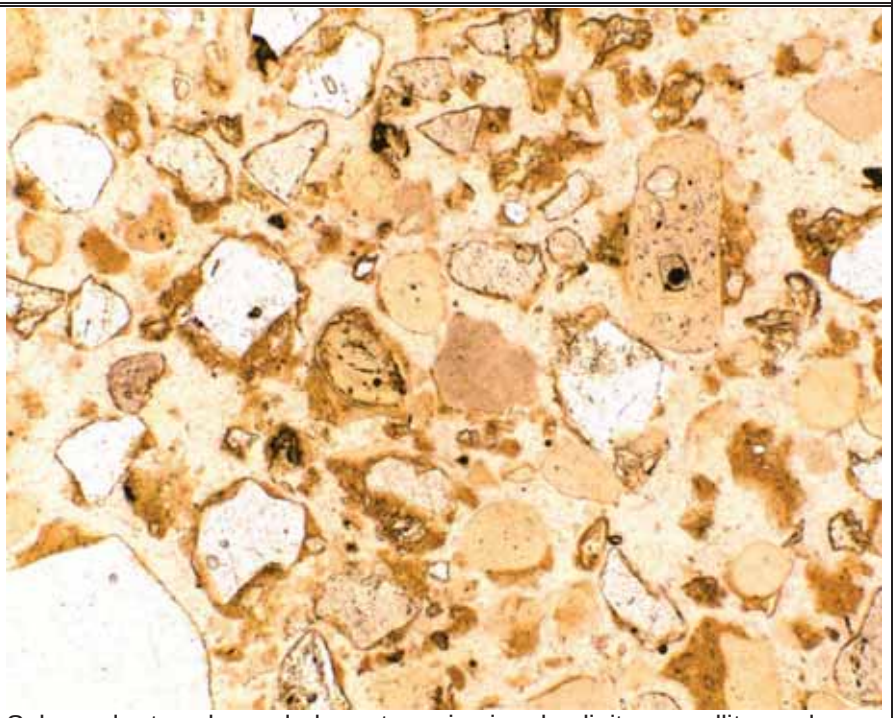
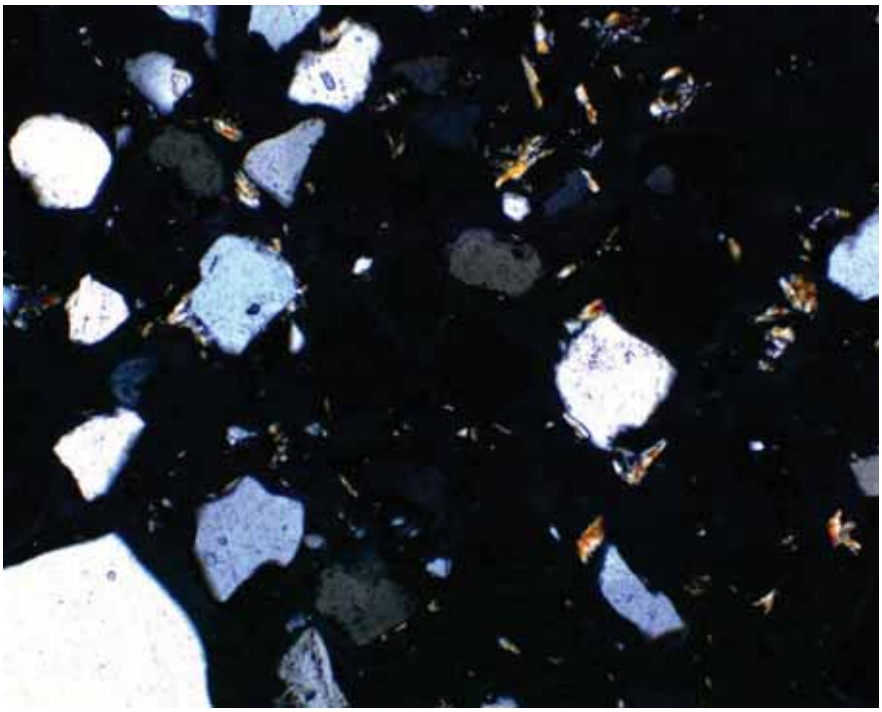
Unless otherwise indicated, all images were taken at 5x magnification; the long-edge of the field of view in the photographs is approximately 2.5 mm in length.

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PHOTO 3 CCR2A 23.0-23.5	 Subangular to subrounded quartz grains in a kaolinite and wavellite matrix (brown). Greenish mineral is zircon; elongate mineral is muscovite Plane light.
PHOTO 4 CCR2A 23.0-23.5	 Subangular to subrounded quartz grains in a kaolinite and wavellite matrix (brown). Greenish minerals are zircon; elongate mineral is muscovite; rounded opaque mineral is ilmenite. Plane light.

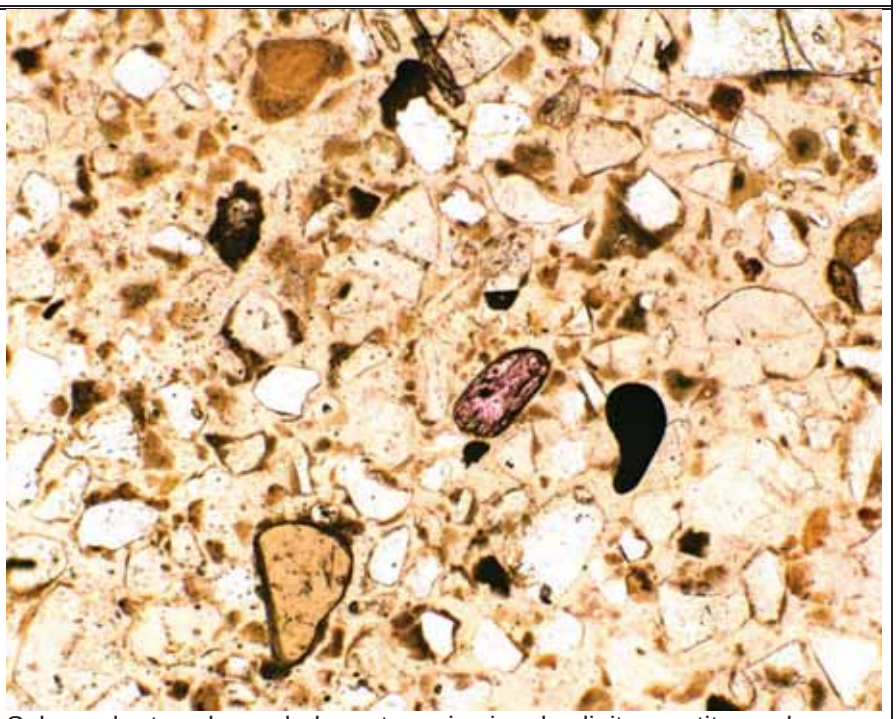
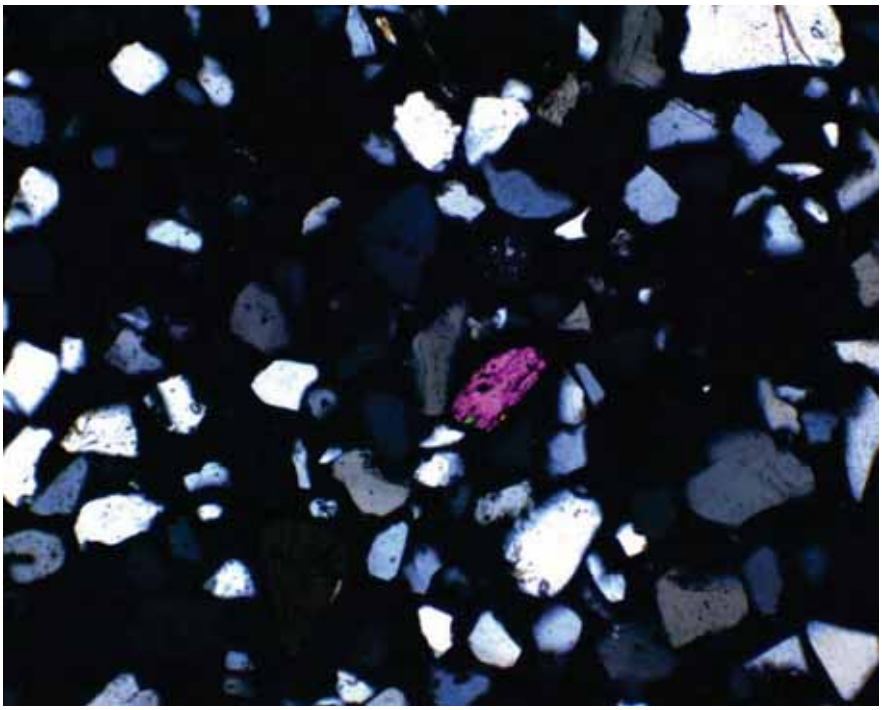
Unless otherwise indicated, all images were taken at 5x magnification; the long-edge of the field of view in the photographs is approximately 2.5 mm in length.

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PHOTO 1 CCR4A 26.1-26.4	 Subangular to subrounded quartz grains in a kaolinite, wavellite, and apatite matrix (brown). Plane light.
PHOTO 2 CCR4A 26.1-26.4	 Subangular to subrounded quartz grains in a kaolinite, wavellite, and apatite matrix (brown). Polarized light.

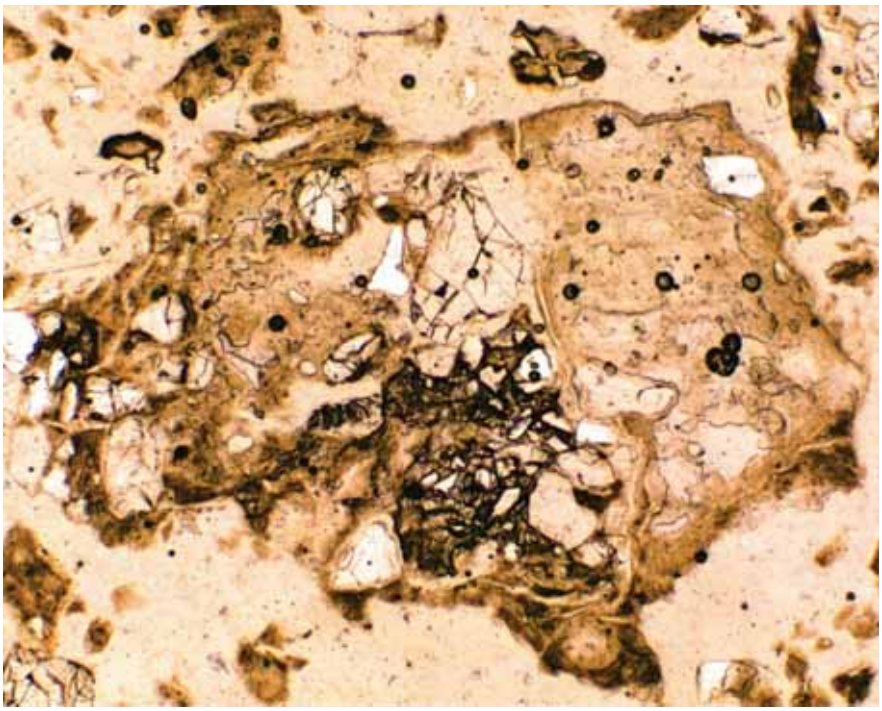
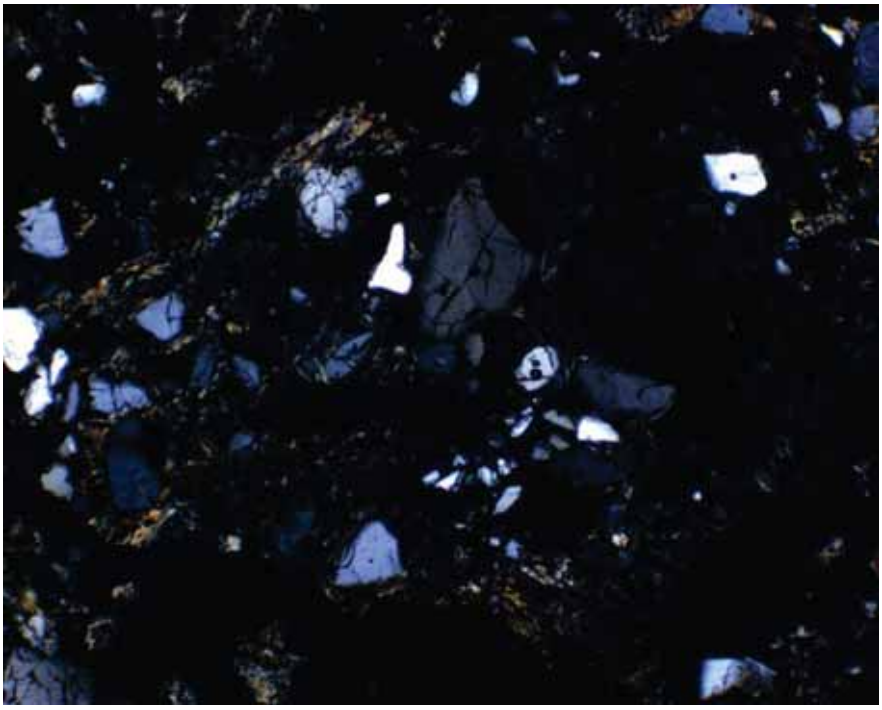
Unless otherwise indicated, all images were taken at 5x magnification; the long-edge of the field of view in the photographs is approximately 2.5 mm in length.

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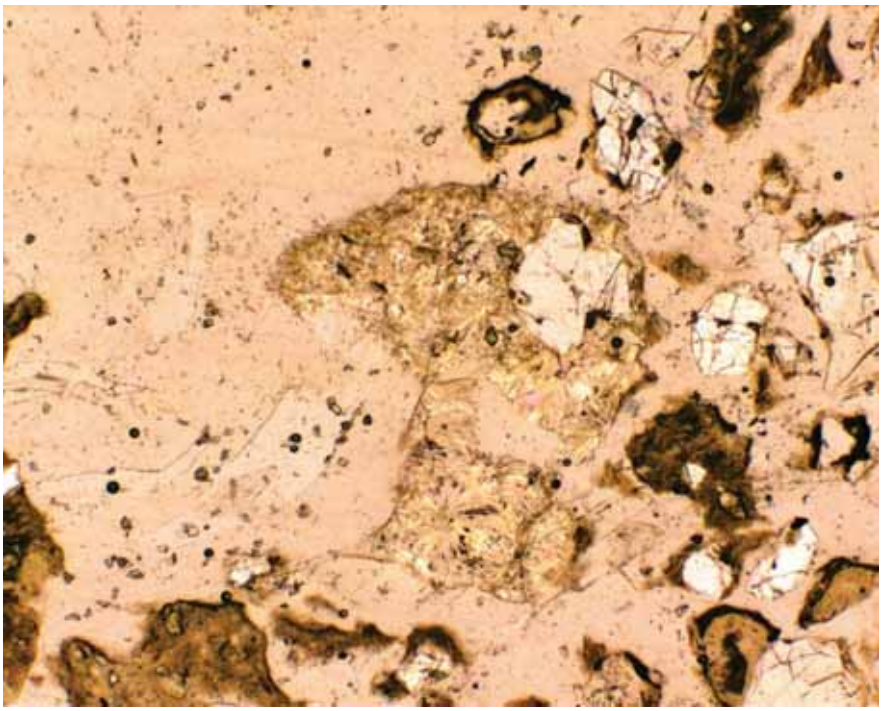
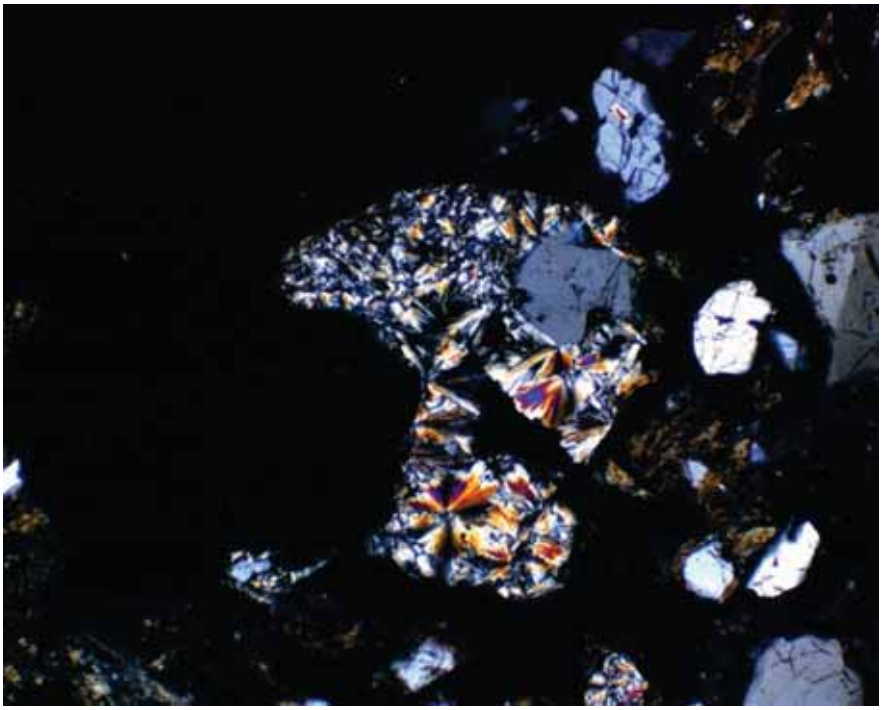
PHOTO 1 CCR7A 23.2-23.5	 Subangular to subrounded quartz grains in a kaolinite, apatite, and wavellite matrix (brown). Yellow and pleochroic minerals are staurolite; opaque mineral is ilmenite. Plane light.
PHOTO 2 CCR7A 23.2-23.5	 Subangular to subrounded quartz grains in a kaolinite, apatite, and wavellite matrix (brown). Greenish and purple mineral are staurolite. Polarized light.

Unless otherwise indicated, all images were taken at 5x magnification; the long-edge of the field of view in the photographs is approximately 2.5 mm in length.

Lakeland Electric

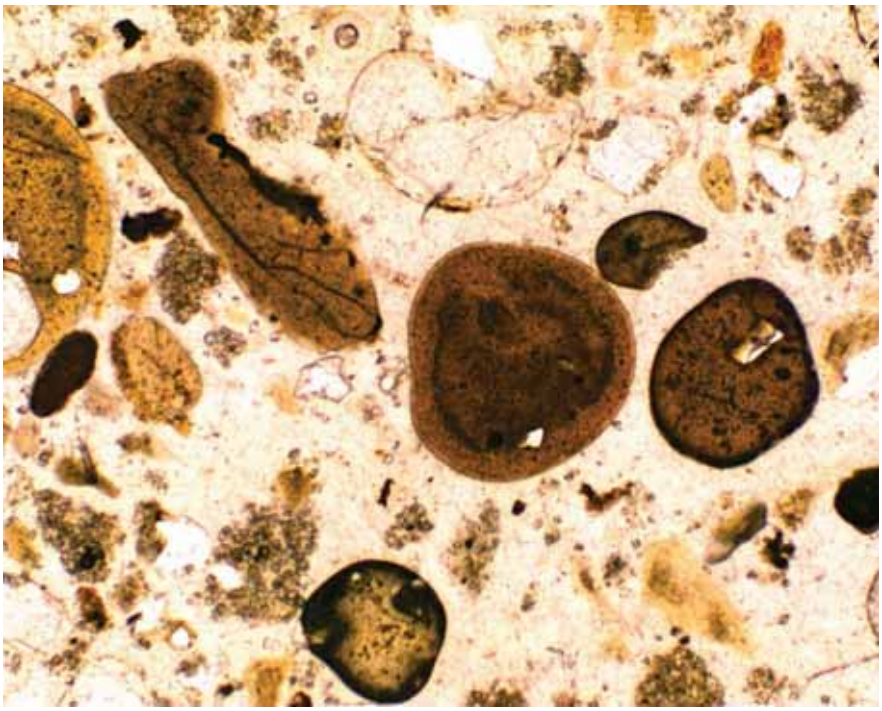
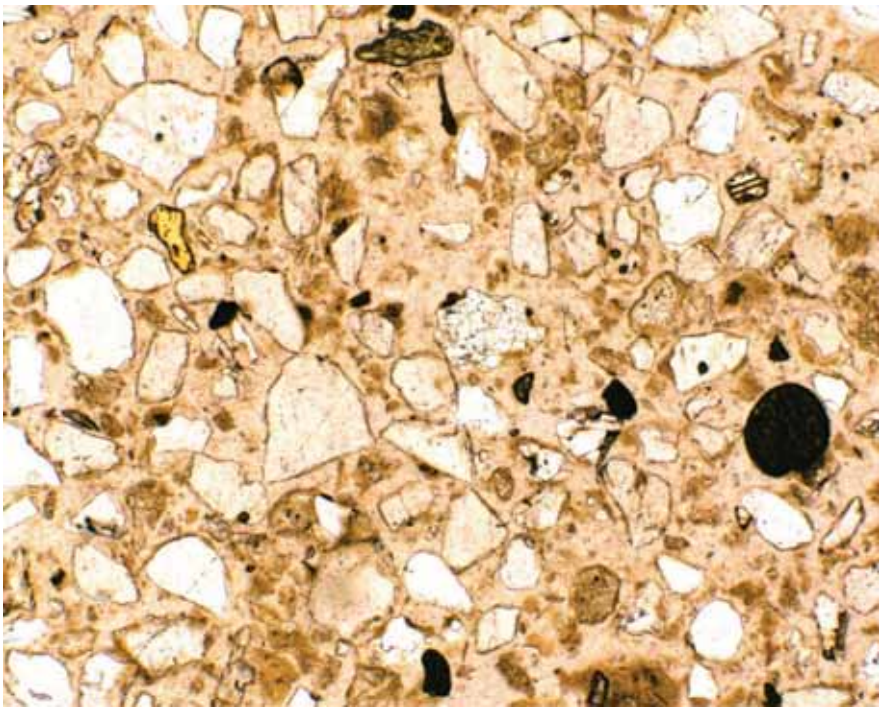
PHOTO 1 CCR13A 27.8-28.2	 Minor subangular quartz grins in a clay and wavellite matrix. Plane light.
PHOTO 2 CCR13A 27.8-28.2	 Minor subangular quartz grins in a clay and wavellite matrix. Polarized light.

Lakeland Electric

PHOTO 3 CCR13A 27.8-28.2	 Wavellite cement around an angular quartz grain. Plane light.
PHOTO 4 CCR13A 27.8-28.2	 Wavellite cement around an angular quartz grain. Polarized light.

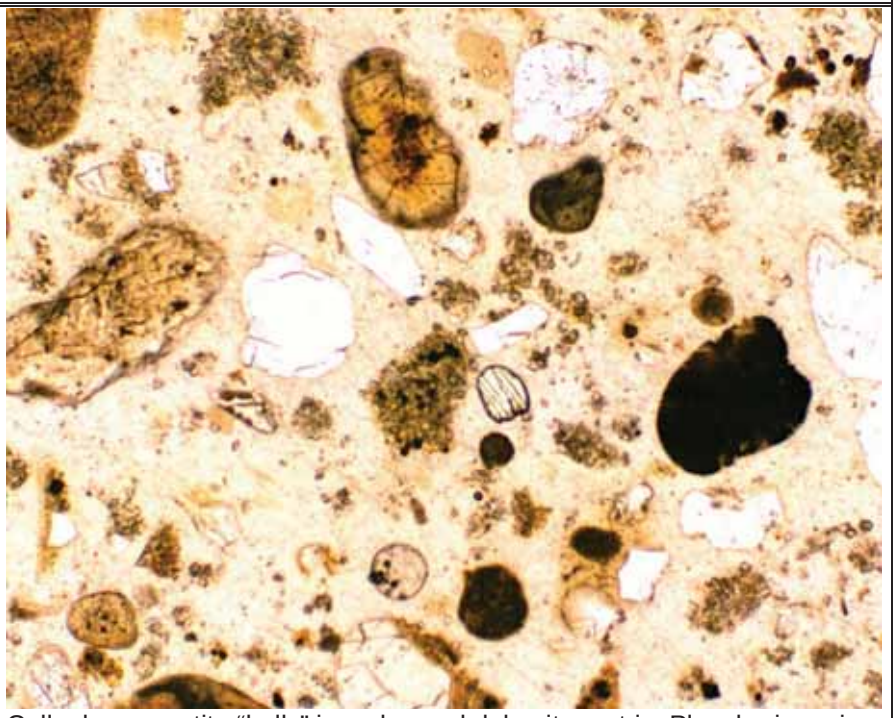
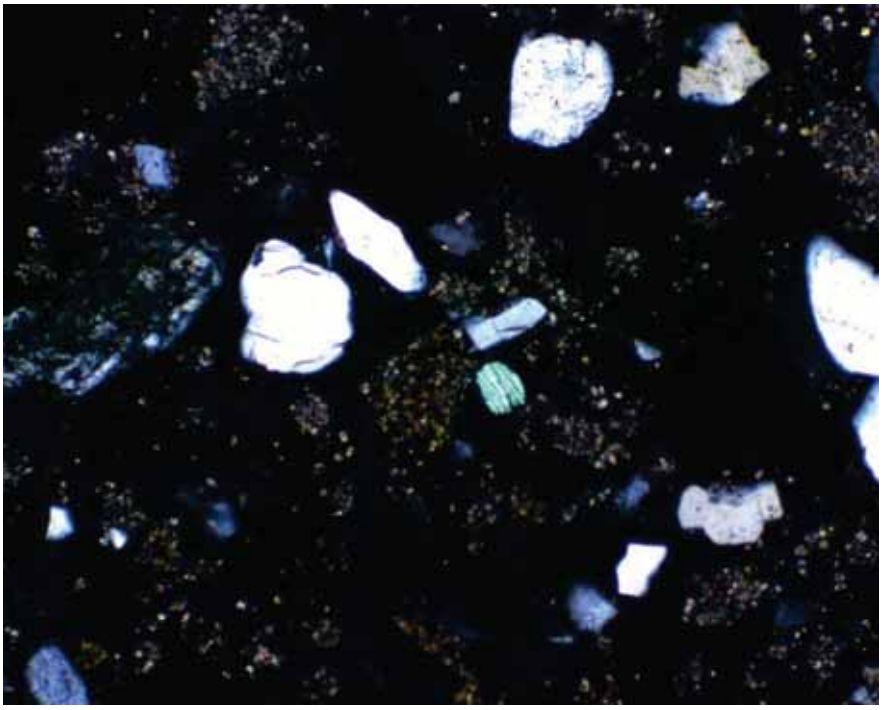
Unless otherwise indicated, all images were taken at 5x magnification; the long-edge of the field of view in the photographs is approximately 2.5 mm in length

Lakeland Electric

PHOTO 1 CCR14A 28.3-28.66	 Collophane apatite “balls” in a clay matrix. Plane light
PHOTO 2 CCR14A 16.5-18.0	 Subangular to subrounded quartz grains in a kaolinite and wavellite matrix (brown). Yellow mineral is staurolite, striated high-relief mineral is kyanite, and large round mineral is rutile. Plane light.

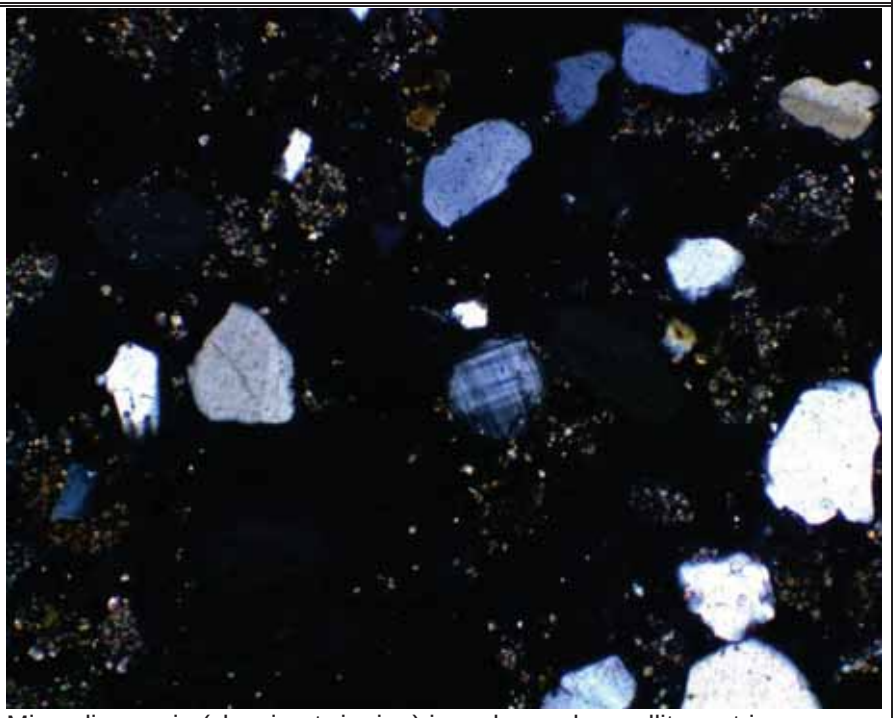
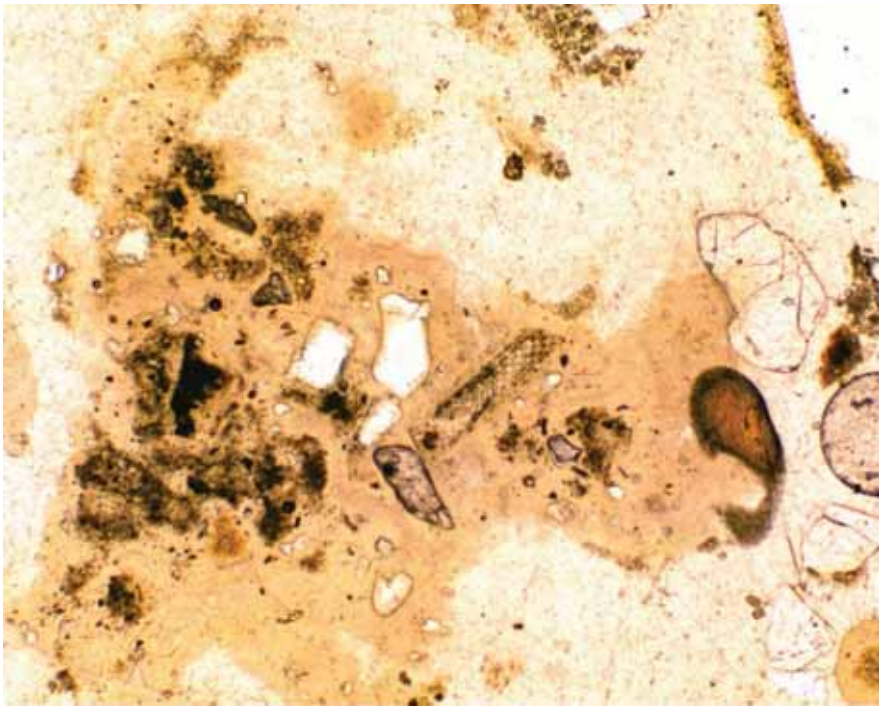
Unless otherwise indicated, all images were taken at 5x magnification; the long-edge of the field of view in the photographs is approximately 2.5 mm in length

Lakeland Electric

PHOTO 3 CCR14A 28.3-28.66	 Collophane apatite “balls” in a clay and dolomite matrix. Pleochroic grain near the center of the image is staurolite. Plane light.
PHOTO 4 CCR14A 16.5-18.0	 Collophane apatite “balls” in a clay and dolomite matrix. Greenish grain near the center of the image is staurolite. Polarized light.

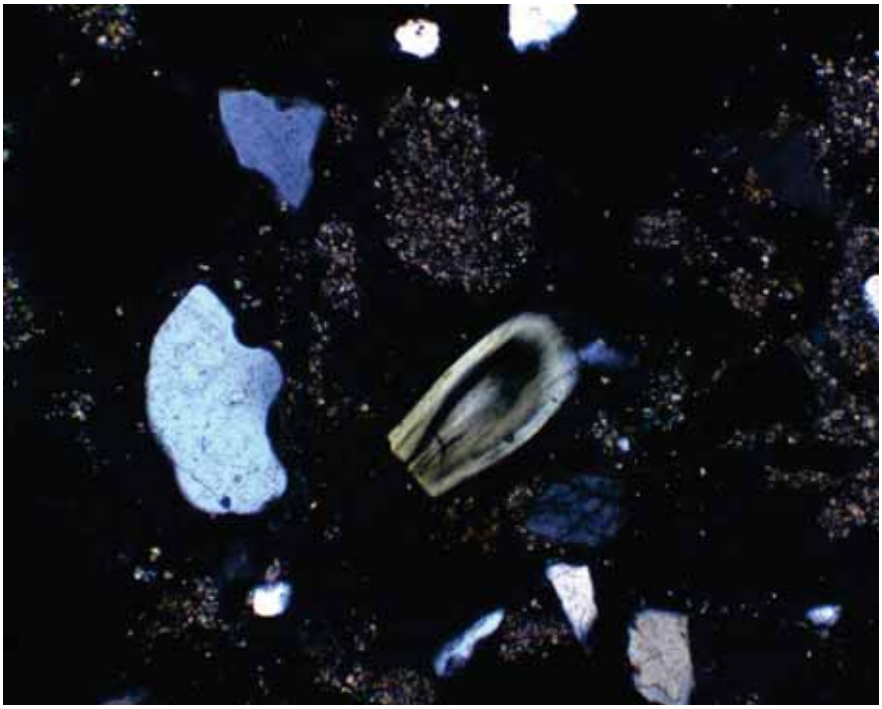
Unless otherwise indicated, all images were taken at 5x magnification; the long-edge of the field of view in the photographs is approximately 2.5 mm in length

Lakeland Electric

PHOTO 5 CCR14A 28.3-28.66	 Microcline grain (showing twinning) in a clay and wavellite matrix. Polarized light.
PHOTO 6 CCR14A 16.5-18.0	 Fossil fragment (bryozoan?) in a clay-rich matrix . Plane light.

Unless otherwise indicated, all images were taken at 5x magnification; the long-edge of the field of view in the photographs is approximately 2.5 mm in length

Lakeland Electric

PHOTO 7 CCR14A 28.3-28.66	 Phosphatic bone fragment and collophane “balls” in a dolomitic, clay-rich matrix (brown). Polarized light.
PHOTO 8 CCR14A 16.5-18.0	 Phosphatic bone fragment and collophane “balls” in a dolomitic, clay-rich matrix (brown). Note undulatory extinction. Polarized light.

Unless otherwise indicated, all images were taken at 5x magnification; the long-edge of the field of view in the photographs is approximately 2.5 mm in length

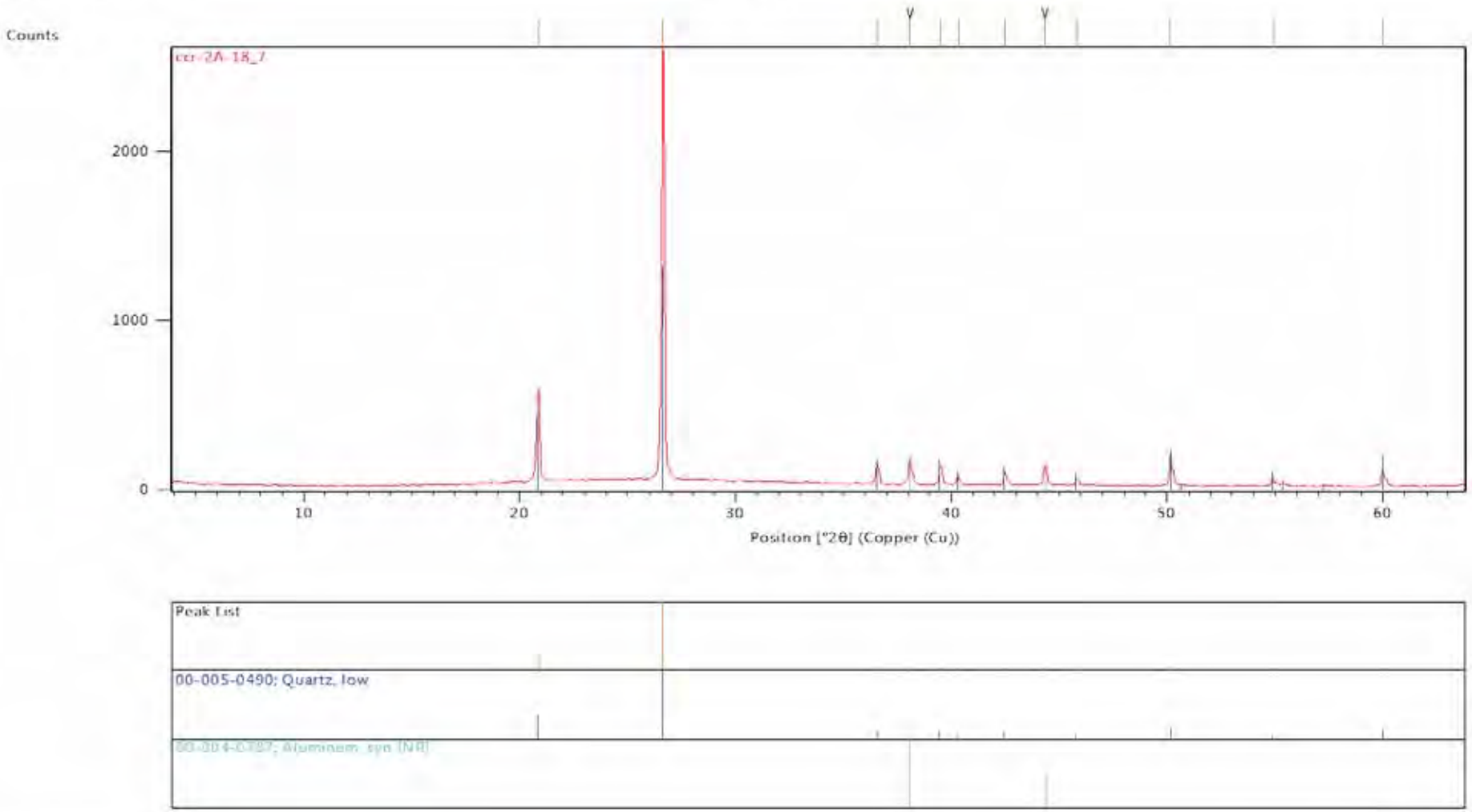
PetroLOGIC Solutions, Inc.

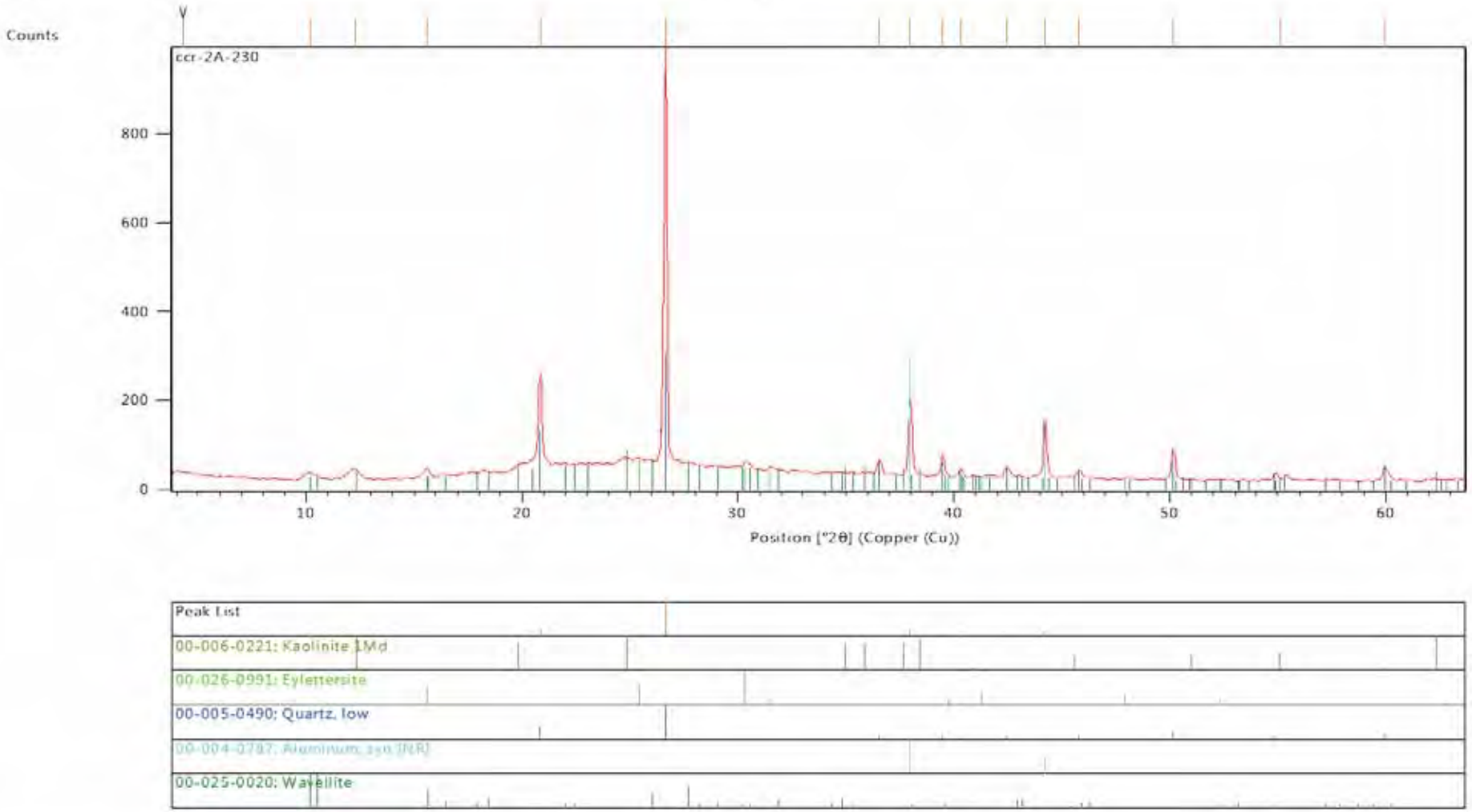
3997 Oak Hill Road
Douglasville, GA 30135
Tel: (678) 313-4146
email: rlkath@comcast.net

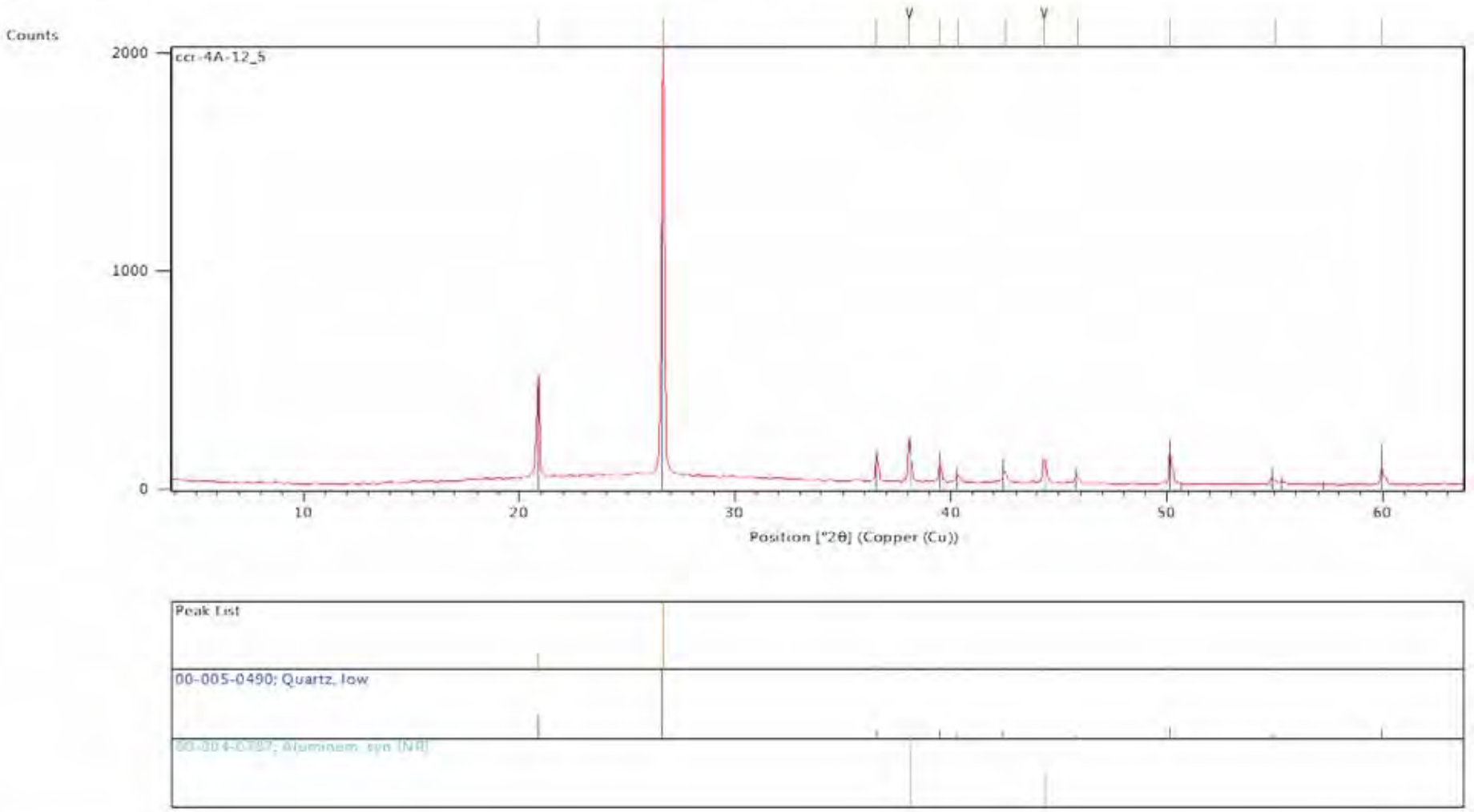


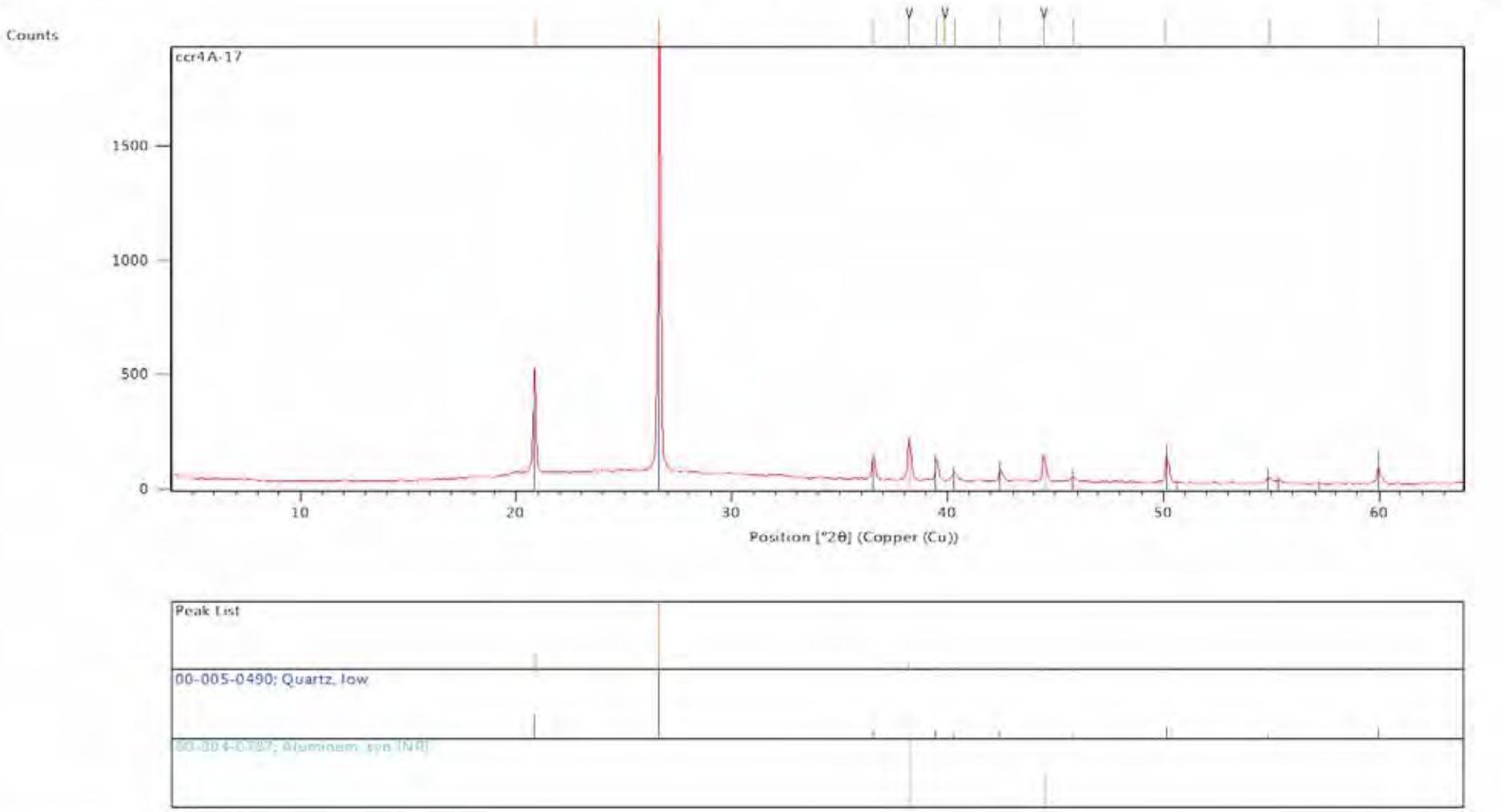
ATTACHMENT 2

QUALITATIVE X-RAY DIFFRACTION DATA

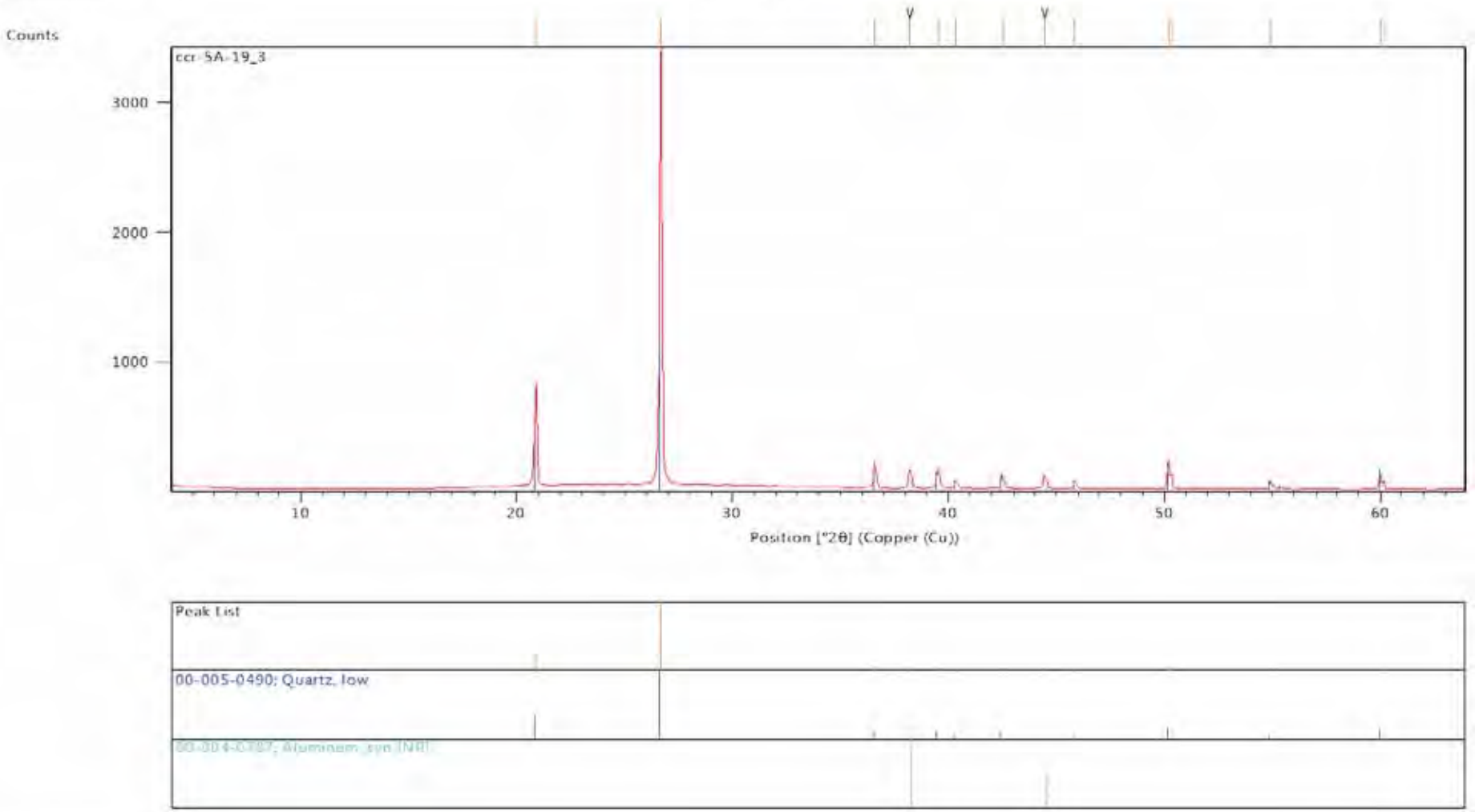

Counts
ccr-2A-18_7
2000
1000
0
10
20
30
40
50
60
Position [°2θ] (Copper (Cu))
Peak List
00-005-0490; Quartz, low
00-004-0787; Aluminum, syn (NR)

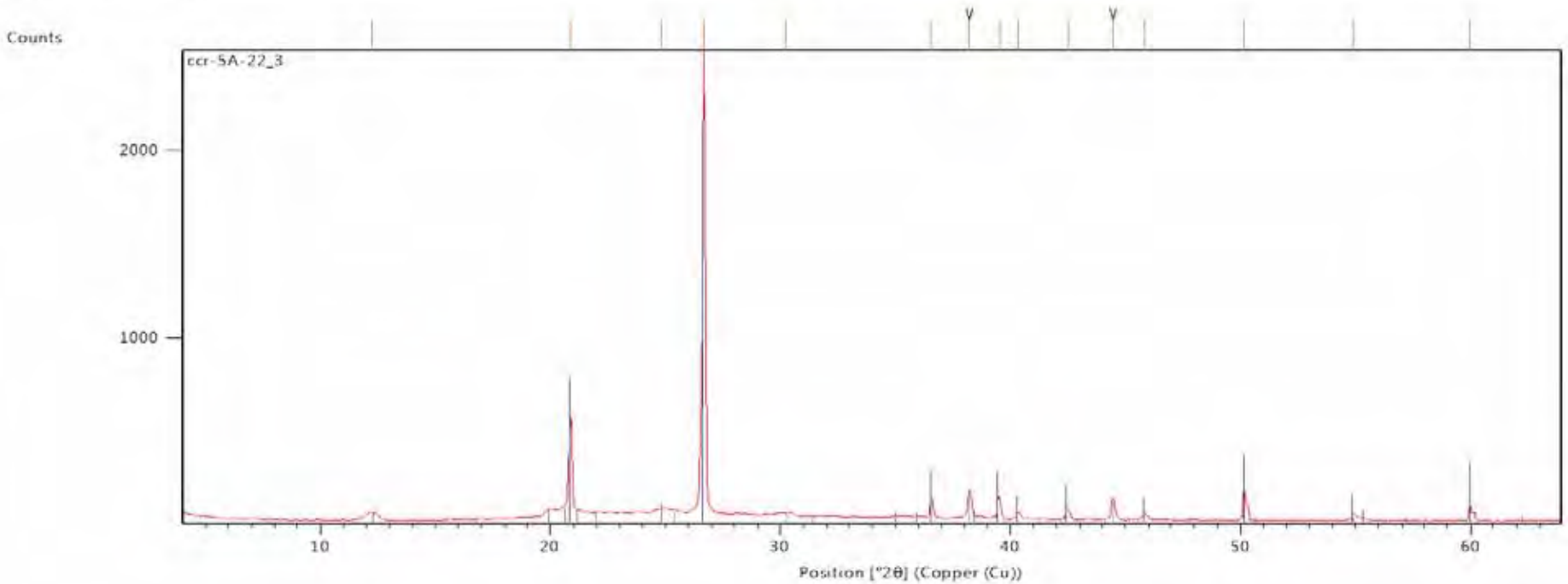

Counts
ccr-2A-230
800
600
400
200
0
10
20
30
40
50
60
Position [°2θ] (Copper (Cu))
Peak List
00-006-0221: Kaolinite 1Md
00-026-0991: Eyelettersite
00-005-0490: Quartz, low
00-004-0787: Aluminum, syn (NR)
00-025-0020: Wavellite


Counts
2000
1000
0
ccr-4A-12_5
10
20
30
40
50
60
Position [°2θ] (Copper (Cu))
Peak List
00-005-0490; Quartz, low
00-004-0787; Aluminum, syn (NR)

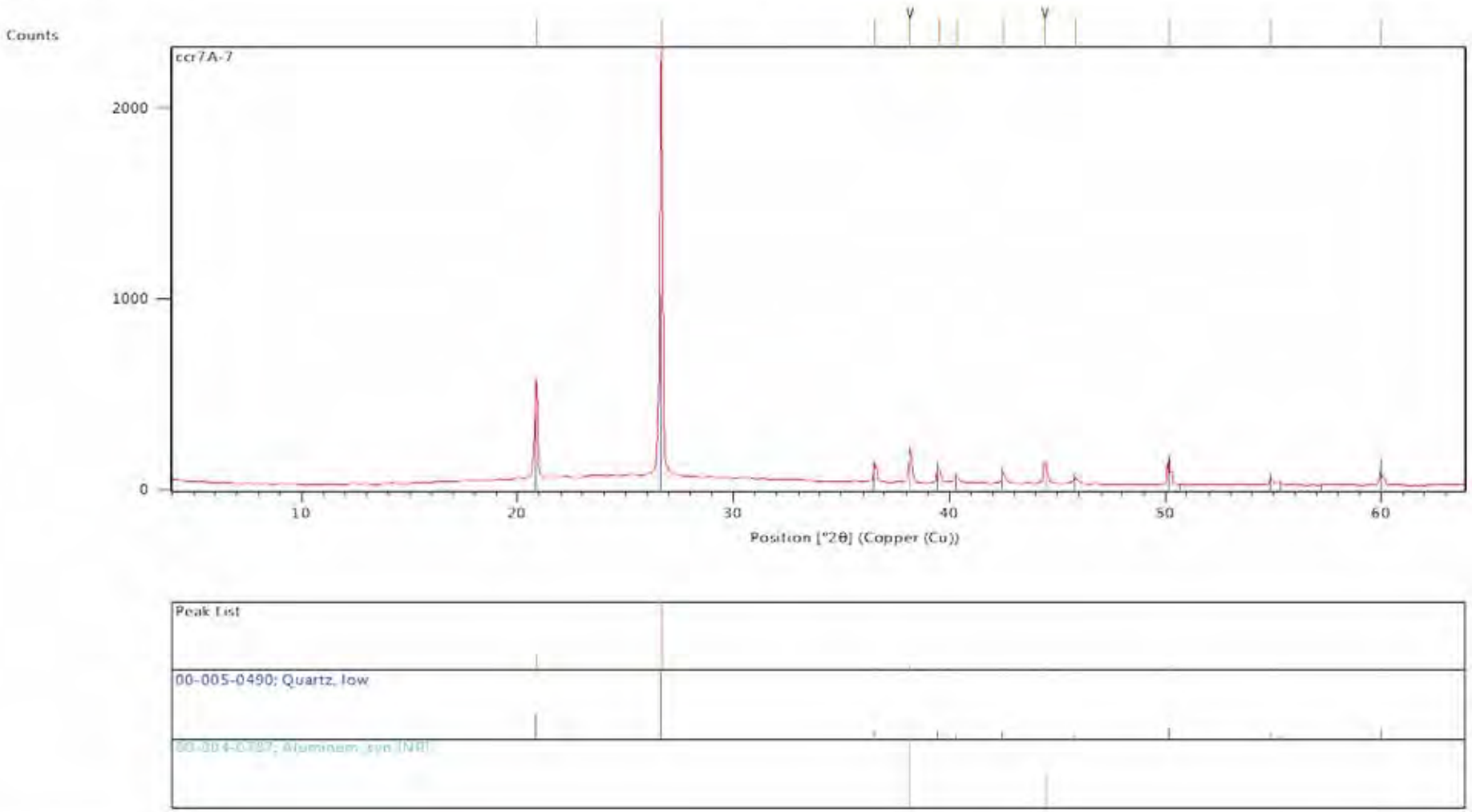

Counts
ccr4A-17
1500
1000
500
0
10
20
30
40
50
60
Position [°2θ] (Copper (Cu))
Peak List
00-005-0490; Quartz, low
00-004-0787; Aluminum, syn [NR]

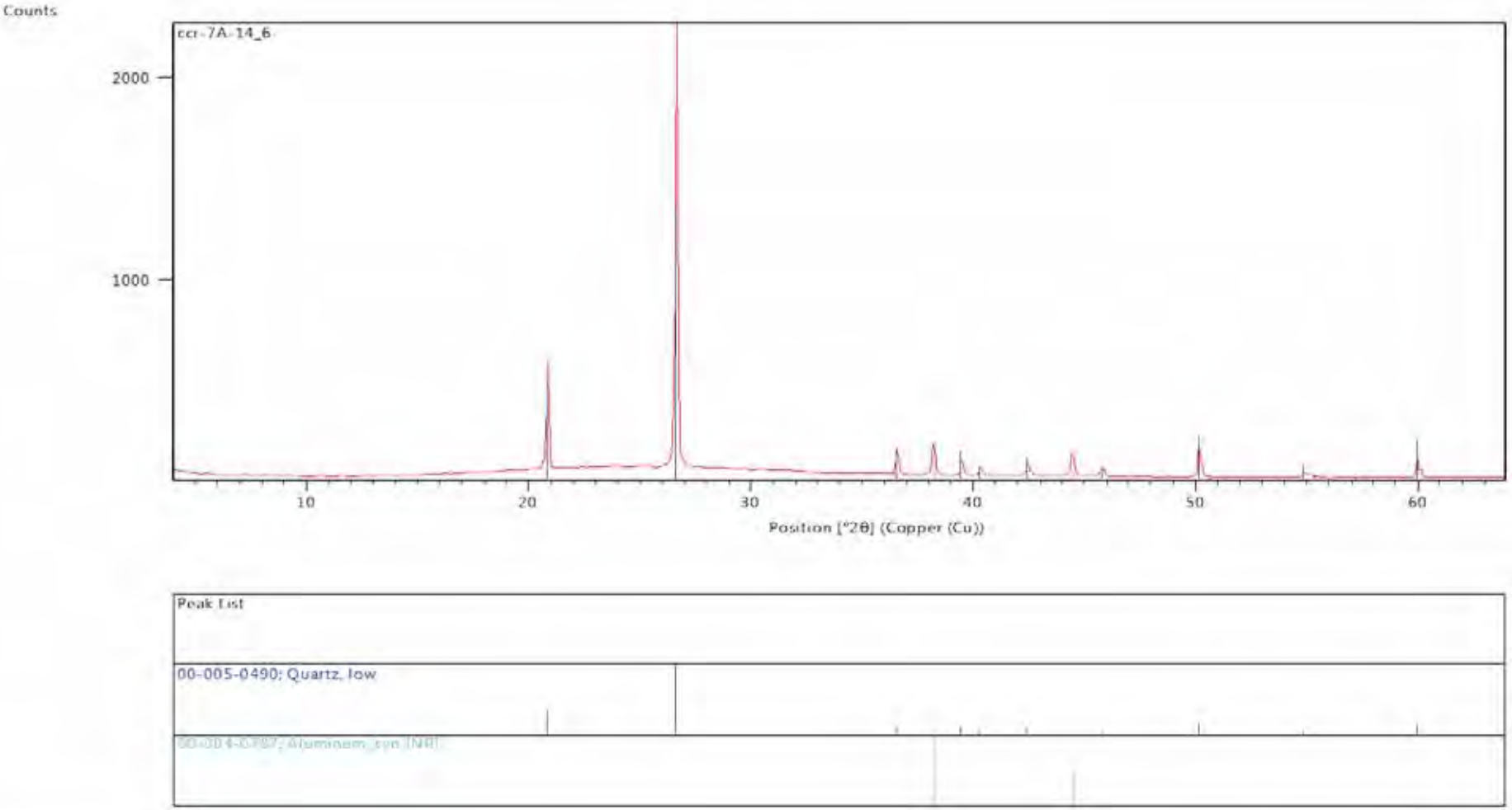

Counts
ccr4A-26_1
400
200
0
10
20
30
40
50
60
Position [°2θ] (Copper (Cu))
Peak List
00-005-0490: Quartz, low
00-027-0019: Wavellite

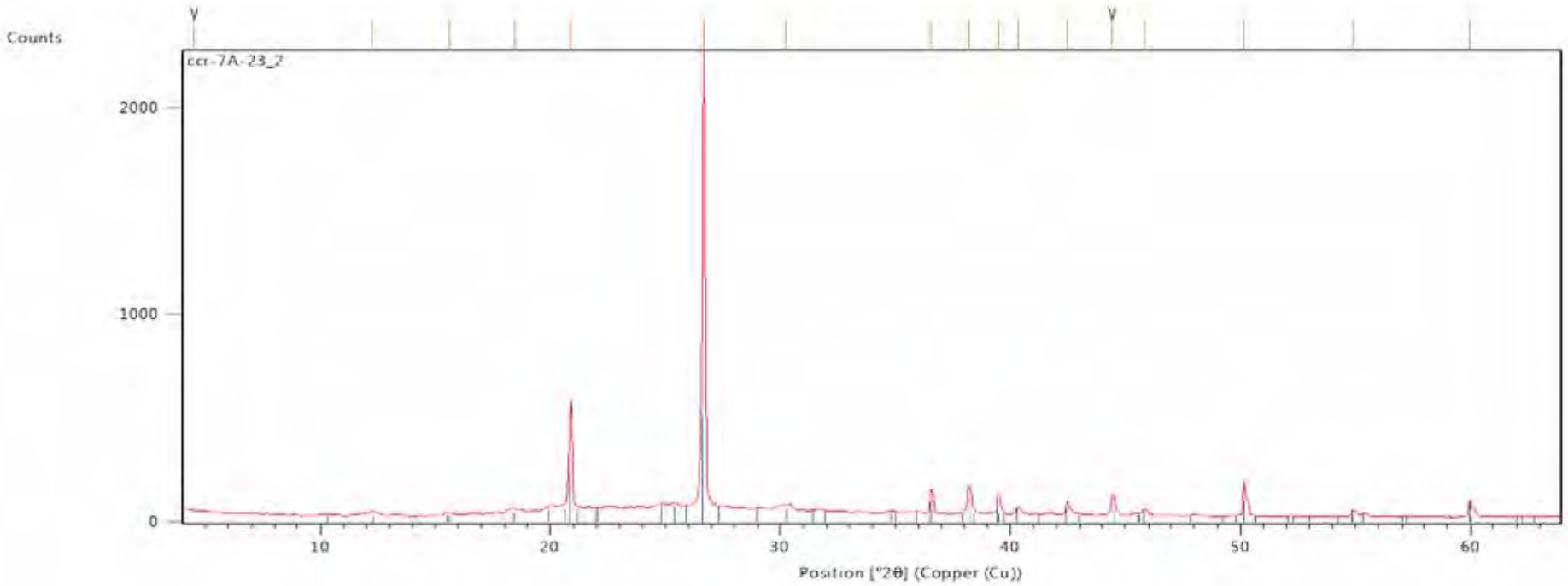

Counts
ccr-5A-19_3
3000
2000
1000
10
20
30
40
50
60
Position [°2θ] (Copper (Cu))
Peak List
00-005-0490; Quartz, low

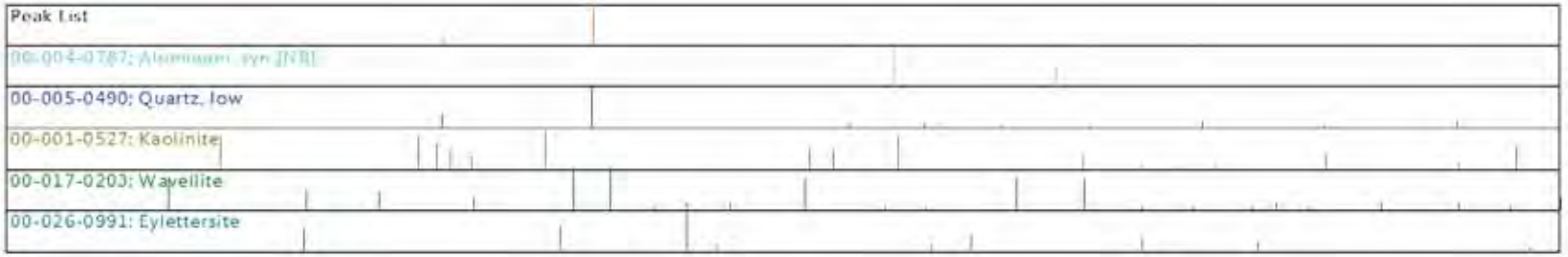

Counts
ccr-5A-22_3
2000
1000
10
20
30
40
50
60
Position [°2θ] (Copper (Cu))

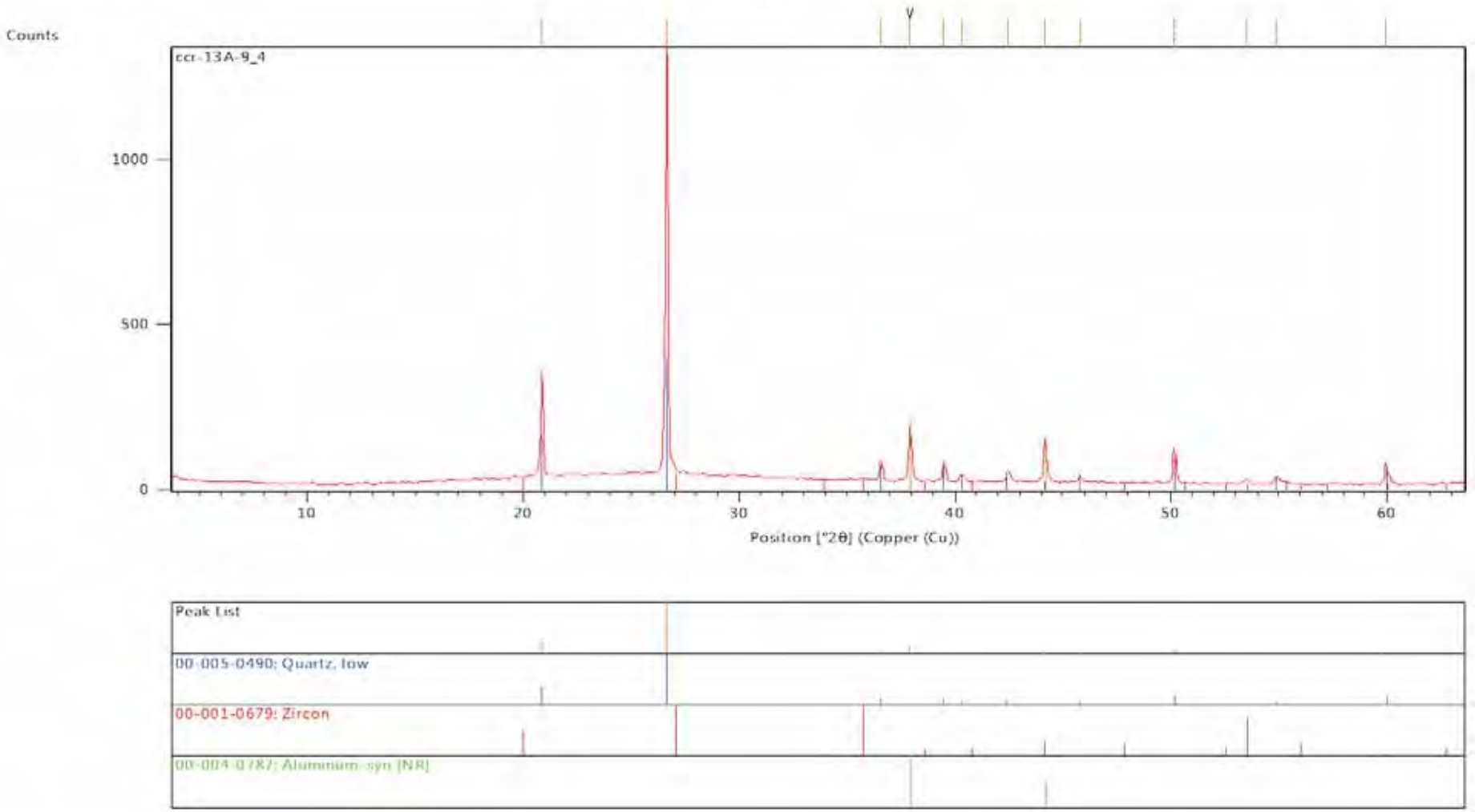

Residue + Peak List
00-005-0490: Quartz, low
00-026-0991: Eyelletersite
00-001-0527: Kaolinite

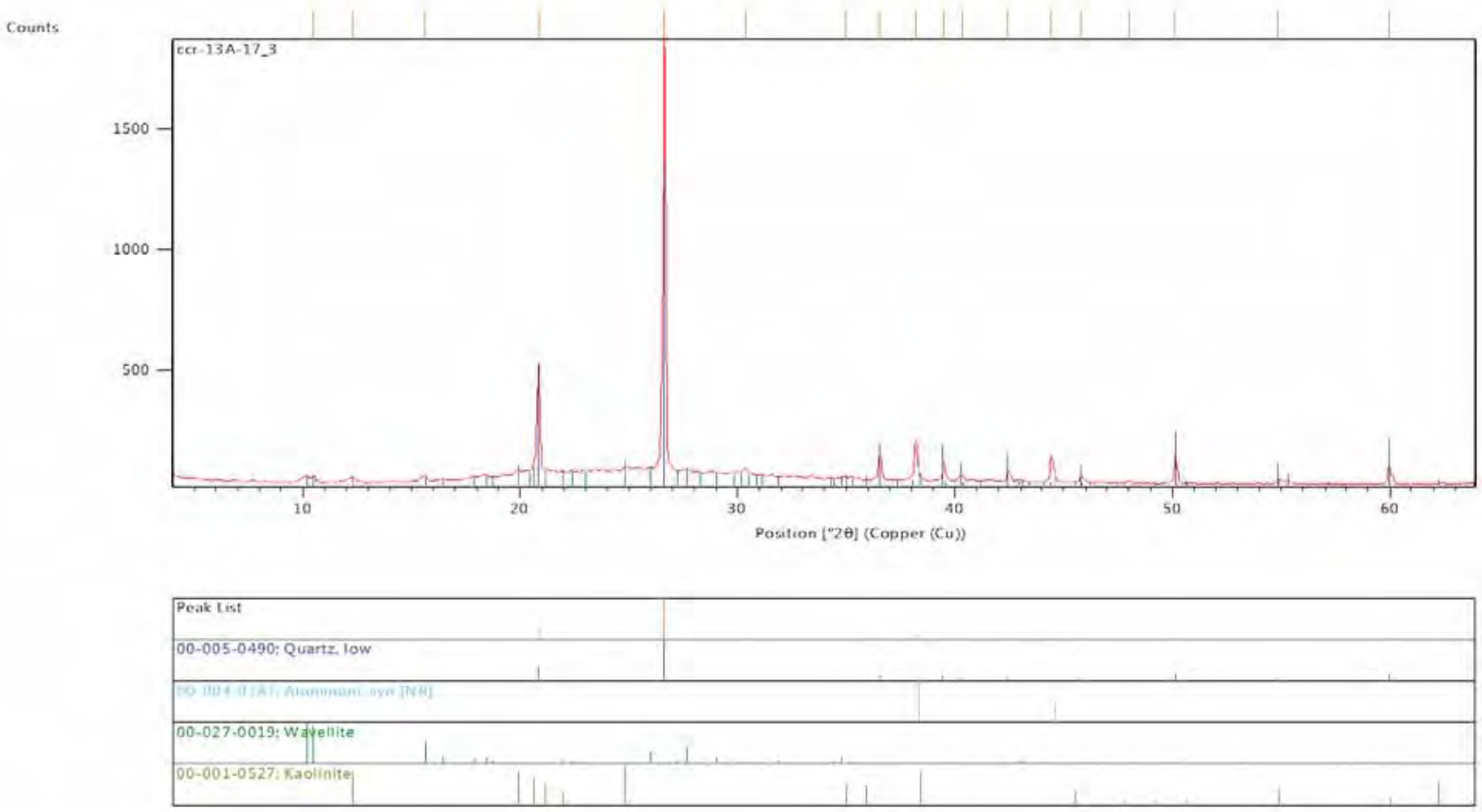

Counts
ccr7A-7
2000
1000
0
10
20
30
40
50
60
Position [°2θ] (Copper (Cu))
Peak List
00-005-0490; Quartz, low
00-004-0787; Aluminum, syn (NR)

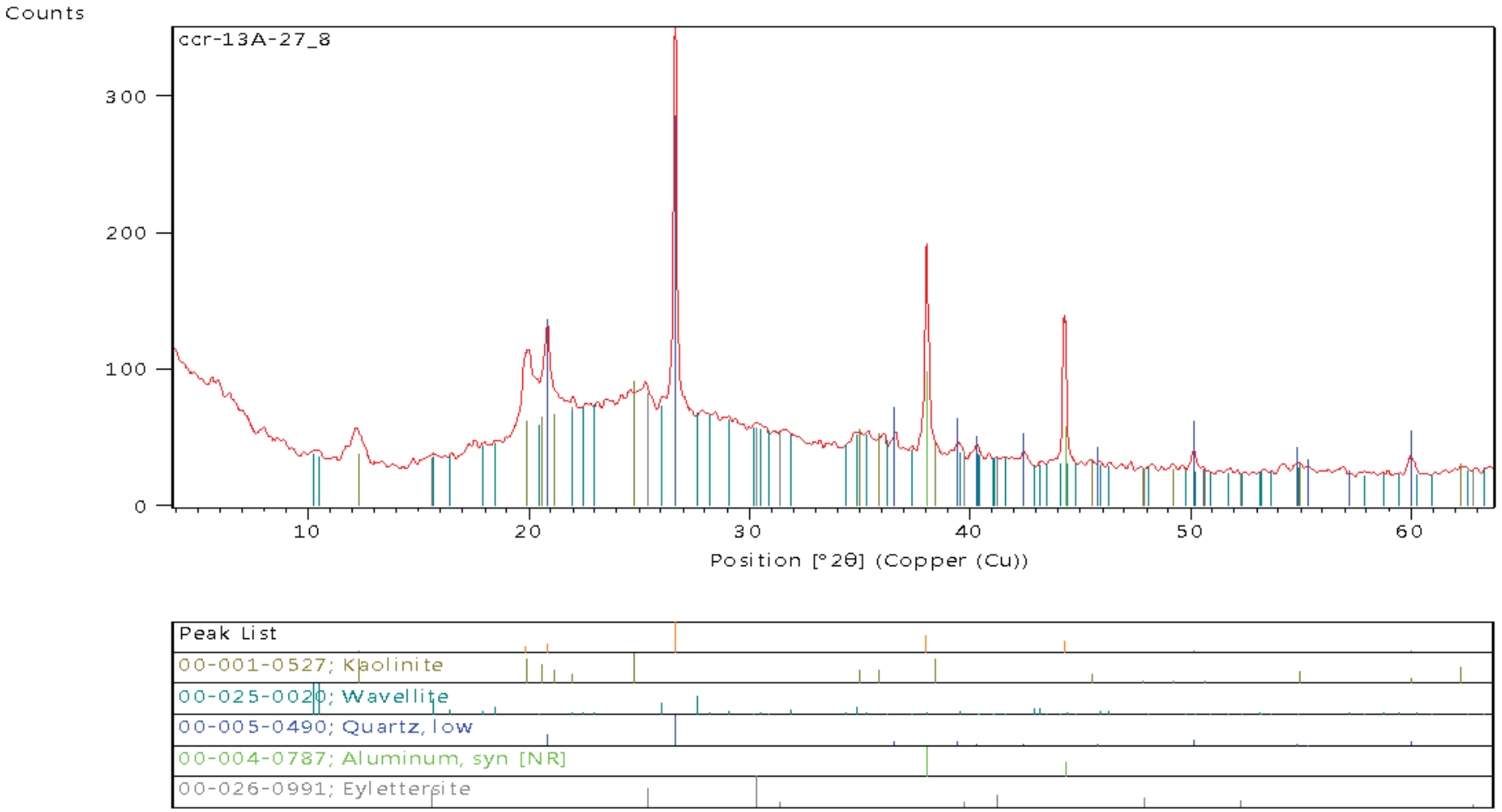

Counts
ccr-7A-14_6
2000
1000
10
20
30
40
50
60
Position [°2θ] (Copper (Cu))
Peak List
00-005-0490; Quartz, low

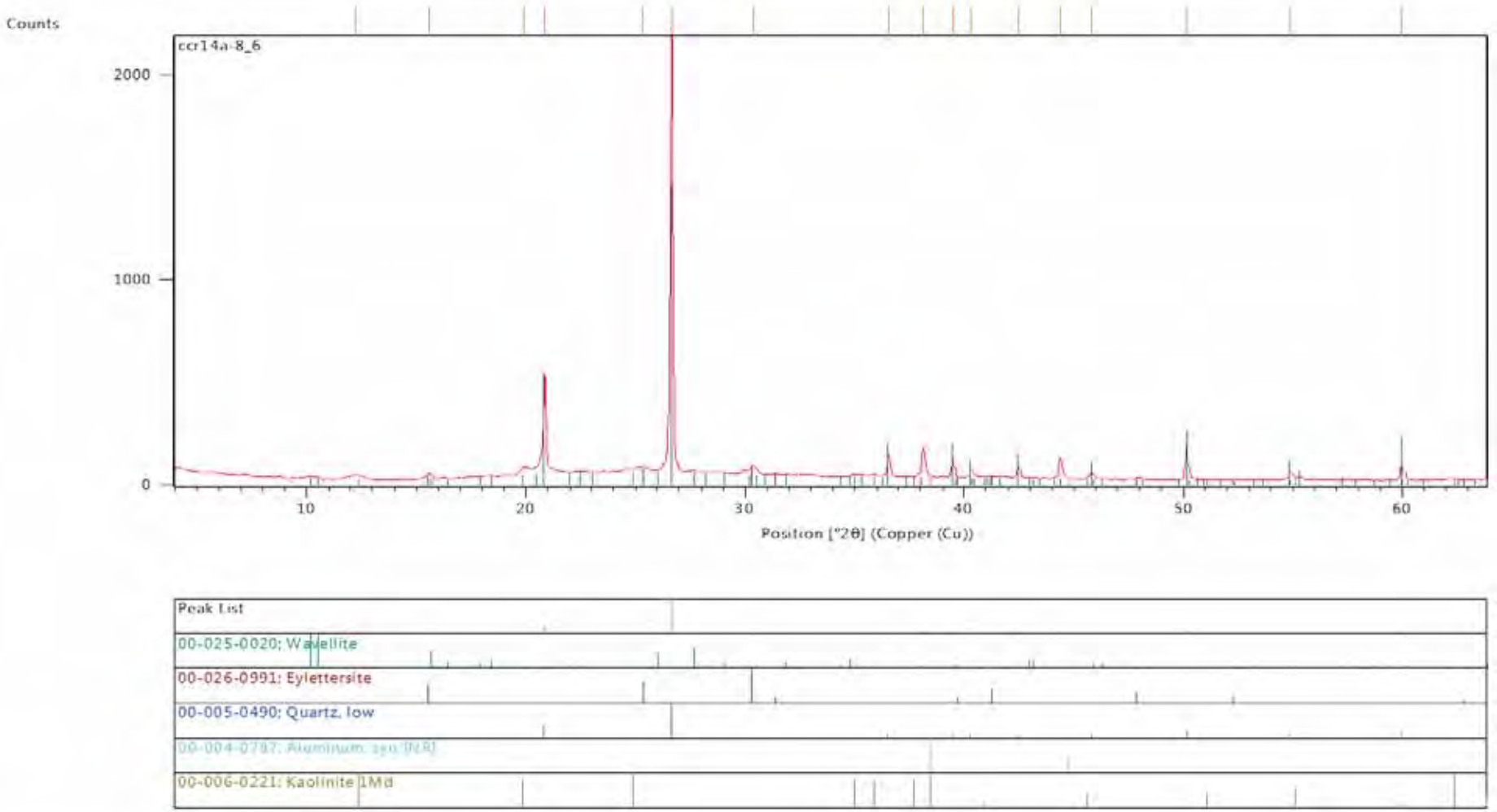

Counts
ccr-7A-23_2
2000
1000
0
10
20
30
40
50
60
Position [°2θ] (Copper (Cu))

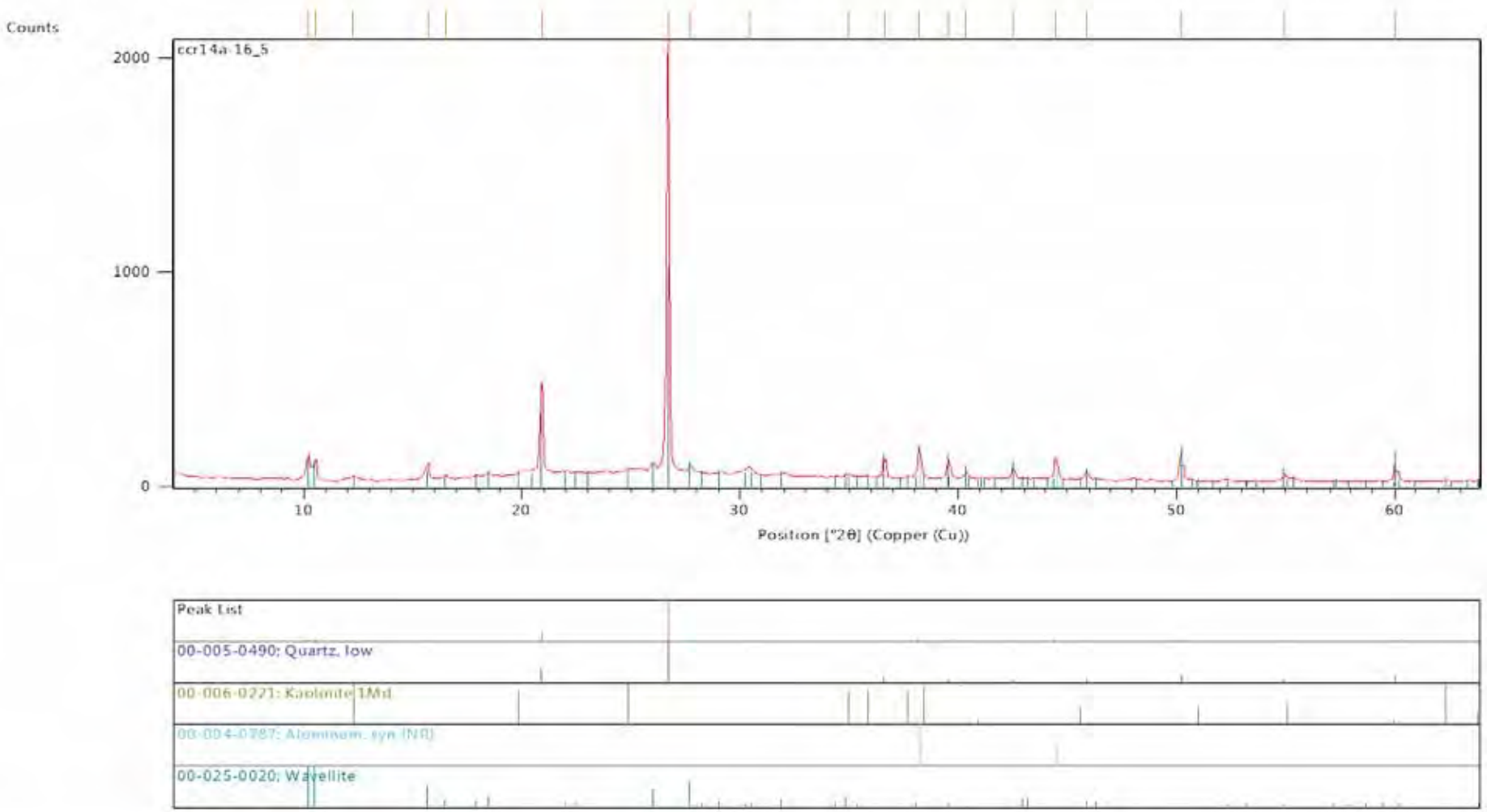

Peak List
00-005-0490: Quartz, low
00-001-0527: Kaolinite
00-017-0203: Wavellite
00-026-0991: Eylettersite

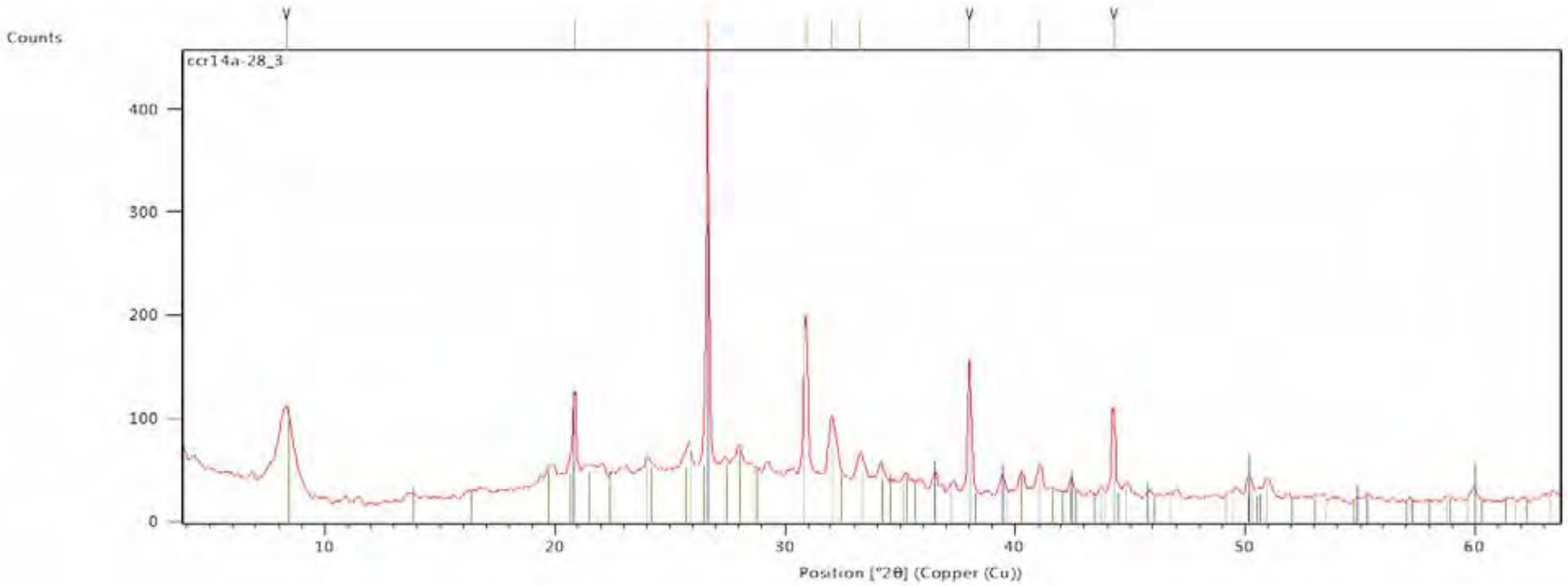

Counts
ccr-13A-9_4
1000
500
0
10
20
30
40
50
60
Position [°2θ] (Copper (Cu))
Peak List
00-005-0490: Quartz, low
00-001-0679: Zircon
00-004-0787: Aluminum, syn [NR]


Counts
ccr-13A-17_3
1500
1000
500
10
20
30
40
50
60
Position [°2θ] (Copper (Cu))
Peak List
00-005-0490: Quartz, low
00-027-0019: Wavellite
00-001-0527: Kaolinite


Counts
ccr-13A-27_8
300
200
100
0
10
20
30
40
50
60
Position [°2θ] (Copper (Cu))
Peak List
00-001-0527; Kaolinite
00-025-0020; Wavellite
00-005-0490; Quartz, low
00-004-0787; Aluminum, syn [NR]
00-026-0991; Eylettersite


Counts
ccr14a-8_6
2000
1000
0
10
20
30
40
50
60
Position [°2θ] (Copper (Cu))
Peak List
00-025-0020; Wavellite
00-026-0991; Eylettersite
00-005-0490; Quartz, low
00-004-0787; Aluminum, syn (NR)
00-006-0221; Kaolinite 1Md


Counts
ccr14a-16_5
2000
1000
0
10
20
30
40
50
60
Position [°2θ] (Copper (Cu))
Peak List
00-005-0490: Quartz, low
00-006-0221: Kaolinite 1Md
00-004-0787: Aluminum, syn (NR)
00-025-0020: Wavellite



Peak List
00-004-0787; Aluminum, syn [NR]
00-005-0490; Quartz, low
00-029-0855; Palygorskite
00-024-0517; Dolomite, ferroan

PetroLOGIC Solutions, Inc.

3997 Oak Hill Road
Douglasville, GA 30135
Tel: (678) 313-4146
email: rlkath@comcast.net



ATTACHMENT 3

GEOCHEMISTRY DATA

	Al_2O_3	TiO_2	Fe_2O_3	MgO	MnO	CaO	K_2O	NaO	P_20_5
Sample Number	**wt%**	**wt%**	**wt%**	**wt%**	**wt%**	**wt%**	**wt%**	**wt%**	**wt%**
CCR2A 18.7-19	1.37	1.34	0.35	<MDL	0.01	0.10	0.06	0.01	0.47
CCR2A 23-23.5	9.22	1.06	0.50	0.05	0.01	0.51	0.13	0.02	2.29
CCR4A 12.5-12.8	0.42	0.50	0.08	<MDL	0.00	0.19	0.03	<MDL	0.05
CCR4A 17-17.4	3.75	0.62	0.13	0.05	0.00	0.20	0.06	0.02	0.67
CCR4A 26.1-26.4	9.12	0.36	0.45	0.10	0.01	23.38	0.36	0.13	>2.30
CCR5A 19.3-20	1.11	0.31	0.06	<MDL	0.00	0.13	0.04	0.03	0.22
CCR5A 22.3-22.6	9.32	0.42	0.34	0.05	0.00	0.48	0.10	0.03	1.10
CCR7A 7-7.4	0.59	0.51	0.10	<MDL	0.00	0.20	<MDL	<MDL	0.11
CCR7A 14.6-15	0.73	0.62	0.13	<MDL	0.01	0.08	<MDL	<MDL	0.16
CCR7A 23.2-23.5	8.70	0.51	0.71	0.05	0.00	0.90	0.07	0.20	>2.30
CCR13A 9.4-10	0.54	0.94	0.12	<MDL	0.00	0.41	<MDL	<MDL	0.13
CCR13A 17.3-17.6	4.12	0.36	0.16	0.03	0.00	0.26	0.05	<MDL	1.29
CCR13A 27.8-28.2	17.87	0.68	1.41	0.81	0.01	0.59	0.66	0.05	>2.30
CCR14A 8.6-8.8	7.61	0.46	0.42	0.14	0.00	1.05	0.13	0.02	2.13
CCR14A 16.5-18	11.95	0.53	0.50	0.08	0.01	0.72	0.18	0.02	>2.30
CCR14A 28.3-28.6	2.99	0.17	3.37	6.37	0.02	20.09	0.43	0.26	>2.30

	Ag	As	Ba	Be	Bi	Ce	Cd	Co	Cr
	ppm	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**
CCR2A 18.7-19	0.27	0.30	128.00	0.17	0.29	57.9	<MDL	12.20	19.5
CCR2A 23-23.5	<MDL	<MDL	679.00	1.22	0.19	93.7	<MDL	10.10	42.9
CCR4A 12.5-12.8	<MDL	<MDL	6.00	0.01	0.03	6.1	<MDL	4.50	7.7
CCR4A 17-17.4	0.06	0.30	137.00	0.20	0.12	39.4	0.05	5.70	19.2
CCR4A 26.1-26.4	0.34	3.40	131.00	1.80	0.13	69.8	42.65	3.30	136.1
CCR5A 19.3-20	<MDL	<MDL	39.00	0.05	0.03	13.2	<MDL	2.80	6.6
CCR5A 22.3-22.6	0.06	0.70	617.00	1.22	0.31	60.0	0.16	10.30	49.6
CCR7A 7-7.4	0.14	0.60	18.00	0.05	0.05	12.3	<MDL	23.30	7.9
CCR7A 14.6-15	0.07	<MDL	12.00	0.05	0.02	10.1	<MDL	14.50	10.1
CCR7A 23.2-23.5	<MDL	<MDL	516.00	0.93	0.14	60.0	0.42	21.20	50.5
CCR13A 9.4-10	0.27	0.40	45.00	0.04	0.18	37.9	<MDL	18.40	11.4
CCR13A 17.3-17.6	0.14	<MDL	189.00	0.49	0.06	39.3	<MDL	20.10	23.4
CCR13A 27.8-28.2	0.48	0.20	136.00	1.58	0.30	64.7	0.12	15.10	162.8
CCR14A 8.6-8.8	0.22	<MDL	377.00	1.47	0.27	81.5	0.54	18.80	48.4
CCR14A 16.5-18	0.91	0.60	673.00	4.24	0.32	138.8	0.31	21.90	112.3
CCR14A 28.3-28.6	1.01	5.30	81.00	0.69	0.11	25.3	35.09	11.30	84.3

<MDL less than method detection limit

	Cs	Cu	Ga	Ge	Hf	In	La	Li	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
CCR2A 18.7-19	0.30	6.40	7.25	0.04	1.77	0.02	32.7	1.10	2.70
CCR2A 23-23.5	0.70	2.60	11.27	0.08	1.84	0.03	50.1	3.90	2.10
CCR4A 12.5-12.8	<MDL	1.50	2.04	<MDL	0.51	<MDL	2.4	0.70	1.70
CCR4A 17-17.4	0.40	3.40	6.76	0.03	1.09	0.03	20.7	4.20	2.20
CCR4A 26.1-26.4	1.50	8.50	10.30	0.06	1.76	0.06	63.2	3.20	2.30
CCR5A 19.3-20	0.10	0.90	2.41	0.02	0.44	0.01	6.5	6.10	1.10
CCR5A 22.3-22.6	0.40	1.40	9.16	0.05	1.44	0.07	30.6	7.50	1.50
CCR7A 7-7.4	<MDL	1.30	2.21	0.01	0.65	0.01	4.5	1.80	1.50
CCR7A 14.6-15	<MDL	2.00	2.81	0.01	0.55	0.02	4.0	1.20	1.60
CCR7A 23.2-23.5	0.30	1.20	10.57	0.06	1.55	0.04	31.8	7.00	2.10
CCR13A 9.4-10	0.10	3.10	3.95	<MDL	1.60	0.01	20.1	2.20	4.10
CCR13A 17.3-17.6	0.30	2.20	5.30	0.05	1.06	0.02	21.3	6.40	0.90
CCR13A 27.8-28.2	4.20	6.50	19.57	0.05	5.21	0.16	39.0	20.60	2.10
CCR14A 8.6-8.8	1.00	4.00	9.10	0.06	3.10	0.05	45.2	5.40	1.30
CCR14A 16.5-18	1.00	11.60	11.94	0.12	2.97	0.06	83.6	3.00	1.70
CCR14A 28.3-28.6	1.20	1.30	4.03	0.04	0.78	0.01	21.3	8.30	2.80

	Nb	Ni	Pb	Rb	Re	S	Sb	Sc	Se
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
CCR2A 18.7-19	17.45	1.50	25.00	4.00	<MDL	245.0	0.37	2.7	0.30
CCR2A 23-23.5	16.51	6.90	29.00	6.00	<MDL	315.0	0.64	4.8	0.30
CCR4A 12.5-12.8	4.81	1.30	<MDL	<MDL	<MDL	219.0	0.13	0.9	0.40
CCR4A 17-17.4	10.05	6.30	13.00	3.00	<MDL	344.0	0.23	1.8	0.80
CCR4A 26.1-26.4	7.58	4.10	11.00	16.00	0.00	624.0	1.07	8.2	0.50
CCR5A 19.3-20	4.14	2.00	6.00	2.00	<MDL	112.0	0.10	0.7	<MDL
CCR5A 22.3-22.6	7.17	10.90	24.00	5.00	0.01	144.0	0.76	8.6	0.30
CCR7A 7-7.4	5.81	2.40	4.00	<MDL	0.03	<MDL	0.16	0.8	<MDL
CCR7A 14.6-15	6.32	1.30	4.00	<MDL	0.02	142.0	0.13	0.9	<MDL
CCR7A 23.2-23.5	9.17	10.70	22.00	3.00	0.03	261.0	0.35	5.9	1.30
CCR13A 9.4-10	14.68	1.60	16.00	<MDL	0.02	218.0	0.41	1.5	0.80
CCR13A 17.3-17.6	6.31	4.70	12.00	3.00	0.03	291.0	0.29	2.3	0.30
CCR13A 27.8-28.2	15.13	21.20	21.00	41.00	0.01	270.0	1.24	82.1	<MDL
CCR14A 8.6-8.8	8.44	10.00	26.00	8.00	0.03	345.0	0.39	18.2	0.20
CCR14A 16.5-18	10.31	5.70	31.00	10.00	0.03	534.0	0.45	13.5	0.20
CCR14A 28.3-28.6	3.66	56.60	6.00	20.00	0.01	1645.0	1.41	2.7	0.50

	Sn	Sr	Ta	Te	Th	Tl	U	V	W
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
CCR2A 18.7-19	1.40	207.0	1.64	0.08	8.5	0.03	5.0	19.00	1.2
CCR2A 23-23.5	1.30	929.0	1.09	0.03	12.9	0.22	50.4	59.00	1.1
CCR4A 12.5-12.8	0.90	12.0	0.66	0.01	1.7	<MDL	1.2	6.00	0.5
CCR4A 17-17.4	1.50	227.0	1.65	0.03	6.8	0.04	5.3	16.00	0.9
CCR4A 26.1-26.4	1.50	308.0	0.12	0.05	9.7	0.50	185.5	119.00	0.8
CCR5A 19.3-20	0.60	63.0	0.46	<MDL	2.1	0.01	4.1	5.00	0.4
CCR5A 22.3-22.6	1.10	748.0	0.06	0.02	8.2	0.10	34.2	35.00	66.3
CCR7A 7-7.4	0.80	30.0	0.60	<MDL	1.7	<MDL	1.4	6.00	184.8
CCR7A 14.6-15	0.80	18.0	0.69	0.01	2.0	<MDL	0.9	6.00	97.1
CCR7A 23.2-23.5	1.20	786.0	<MDL	0.03	8.8	0.04	35.0	33.00	173.9
CCR13A 9.4-10	1.10	91.0	1.44	0.01	4.8	0.03	3.0	13.00	104.3
CCR13A 17.3-17.6	0.50	458.0	0.30	0.01	6.3	0.08	22.4	25.00	175.2
CCR13A 27.8-28.2	2.50	210.0	0.12	0.02	23.4	1.00	164.4	247.00	77.8
CCR14A 8.6-8.8	0.90	815.0	0.18	0.02	11.4	0.23	96.2	50.00	153.1
CCR14A 16.5-18	1.50	1185.0	1.04	<MDL	16.6	0.28	467.0	48.00	185.1
CCR14A 28.3-28.6	0.80	461.0	<MDL	<MDL	4.0	0.60	34.8	123.00	37.0

<MDL less than method detection limit

	Y	Zn	Zr
	ppm	ppm	ppm
CCR2A 18.7-19	12.10	4.00	71.0
CCR2A 23-23.5	49.30	11.00	70.2
CCR4A 12.5-12.8	1.10	<MDL	17.6
CCR4A 17-17.4	9.40	4.00	37.7
CCR4A 26.1-26.4	96.30	87.00	51.8
CCR5A 19.3-20	3.00	<MDL	15.9
CCR5A 22.3-22.6	33.30	7.00	44.0
CCR7A 7-7.4	2.20	4.00	42.5
CCR7A 14.6-15	1.40	4.00	30.7
CCR7A 23.2-23.5	25.80	7.00	60.9
CCR13A 9.4-10	6.80	3.00	76.1
CCR13A 17.3-17.6	17.00	5.00	43.5
CCR13A 27.8-28.2	33.90	49.00	167.2
CCR14A 8.6-8.8	48.90	12.00	93.3
CCR14A 16.5-18	93.50	10.00	94.2
CCR14A 28.3-28.6	30.70	49.00	19.0

<MDL less than method detection limit

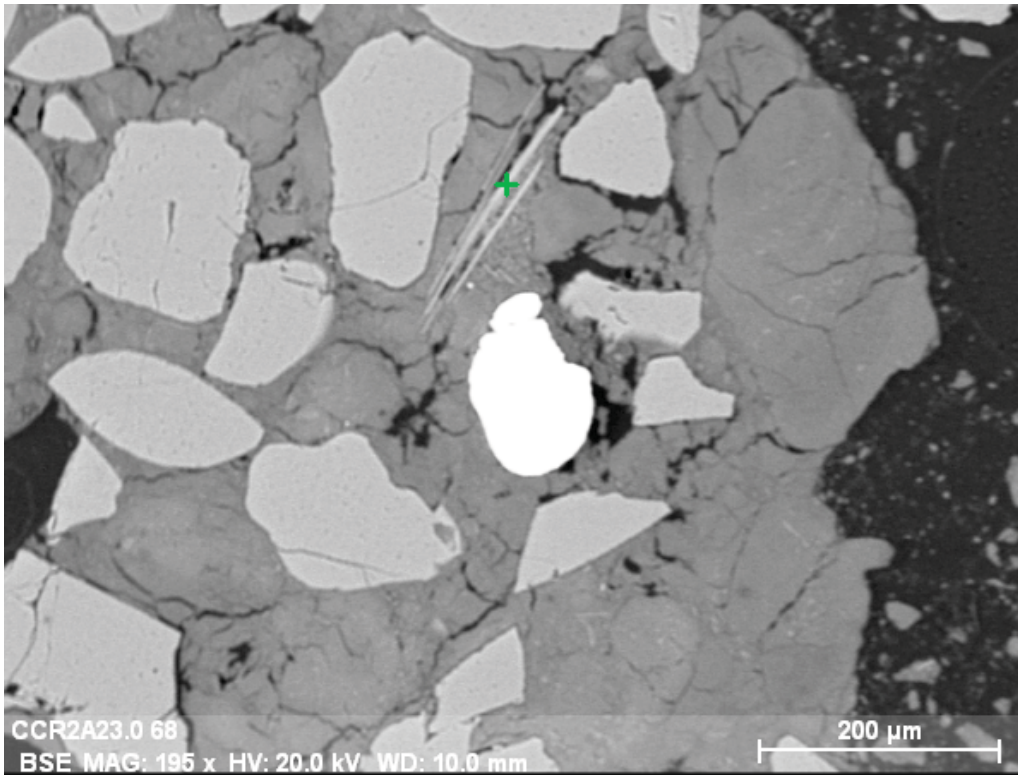
PetroLOGIC Solutions, Inc.

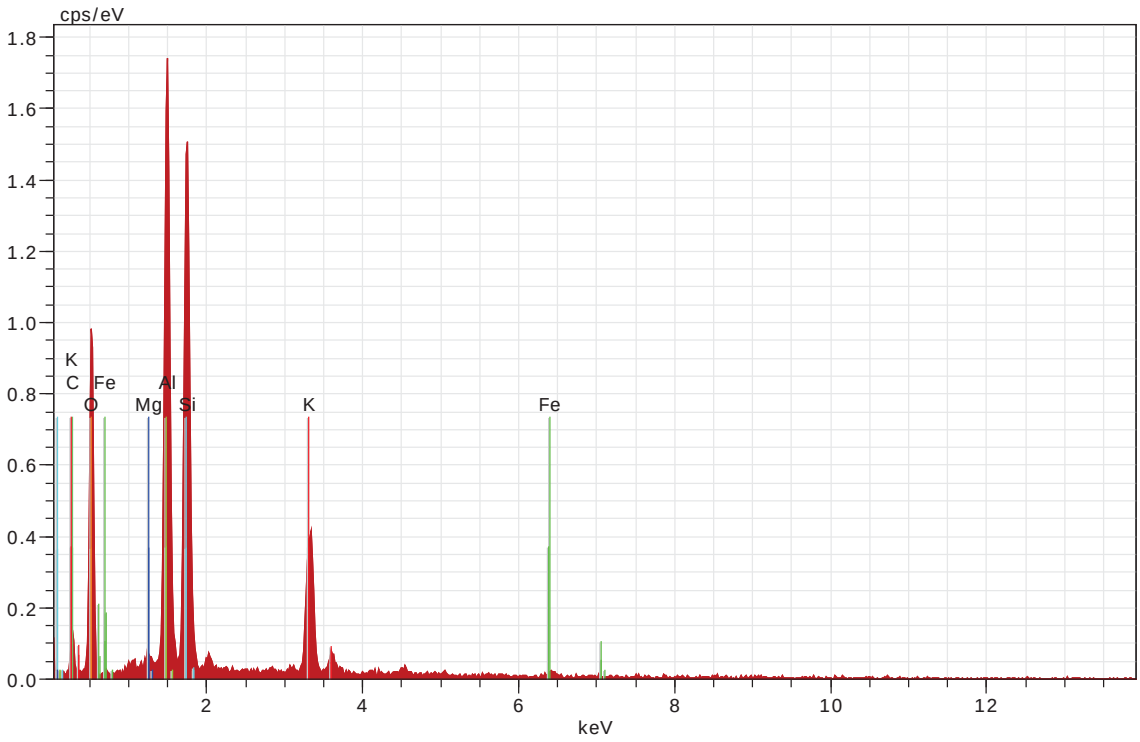
3997 Oak Hill Road
Douglasville, GA 30135
Tel: (678) 313-4146
email: rlkath@comcast.net



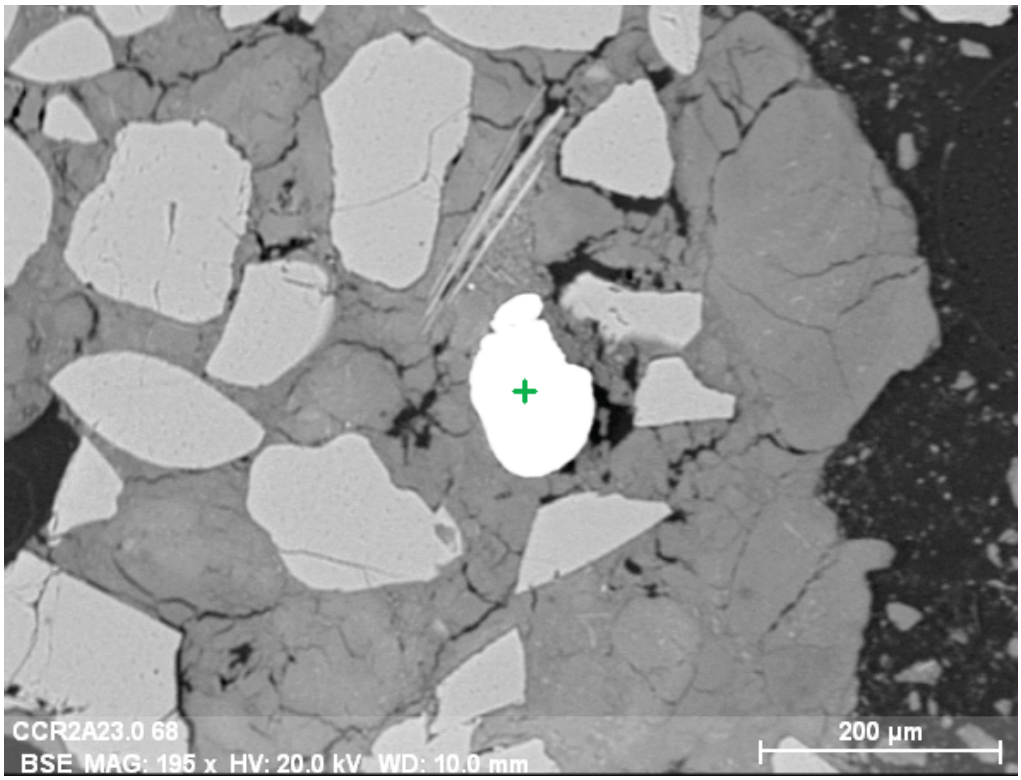
ATTACHMENT 4

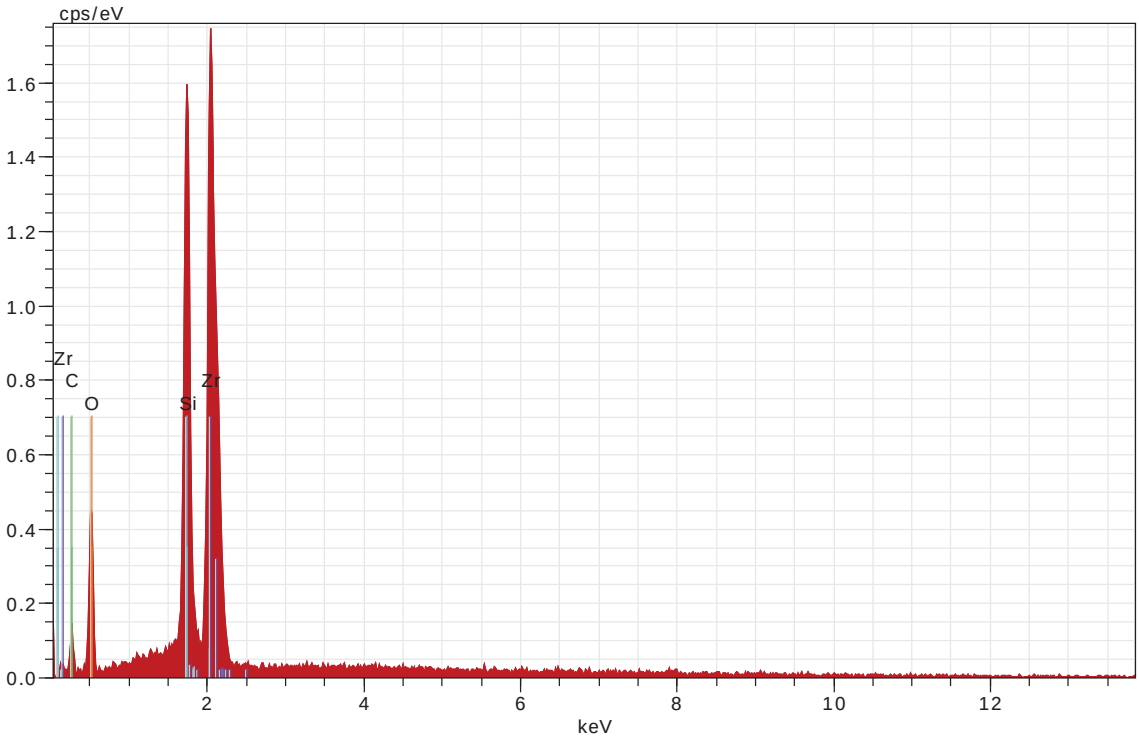
SCANNING ELECTRON MICROSCOPY DATA



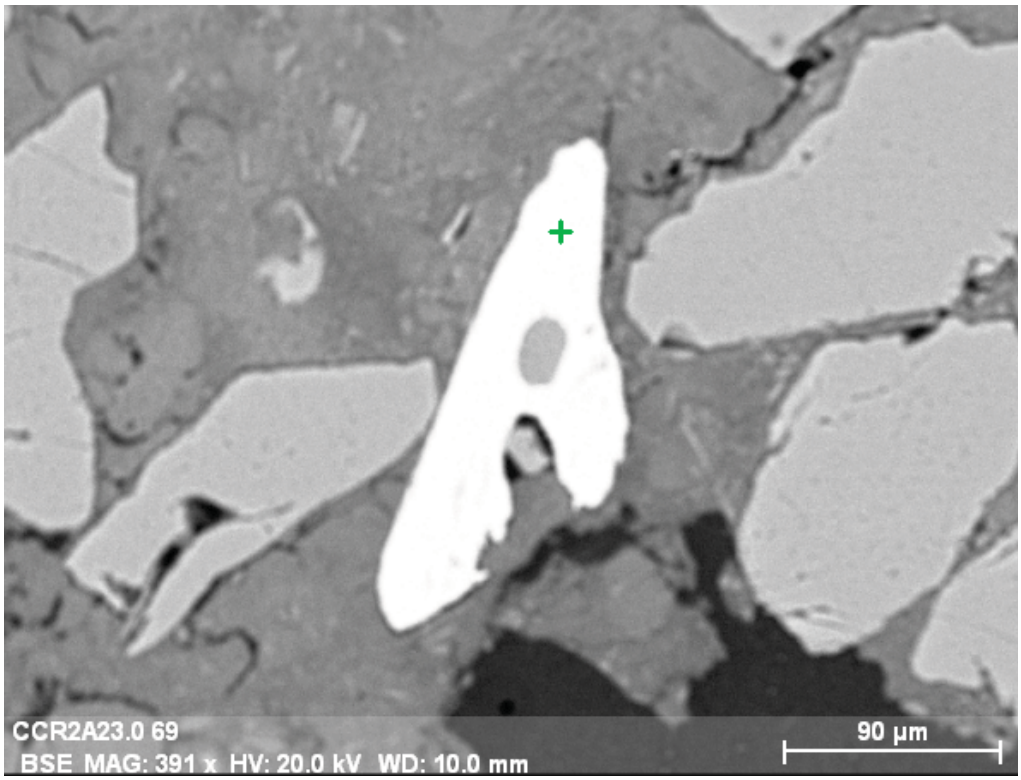


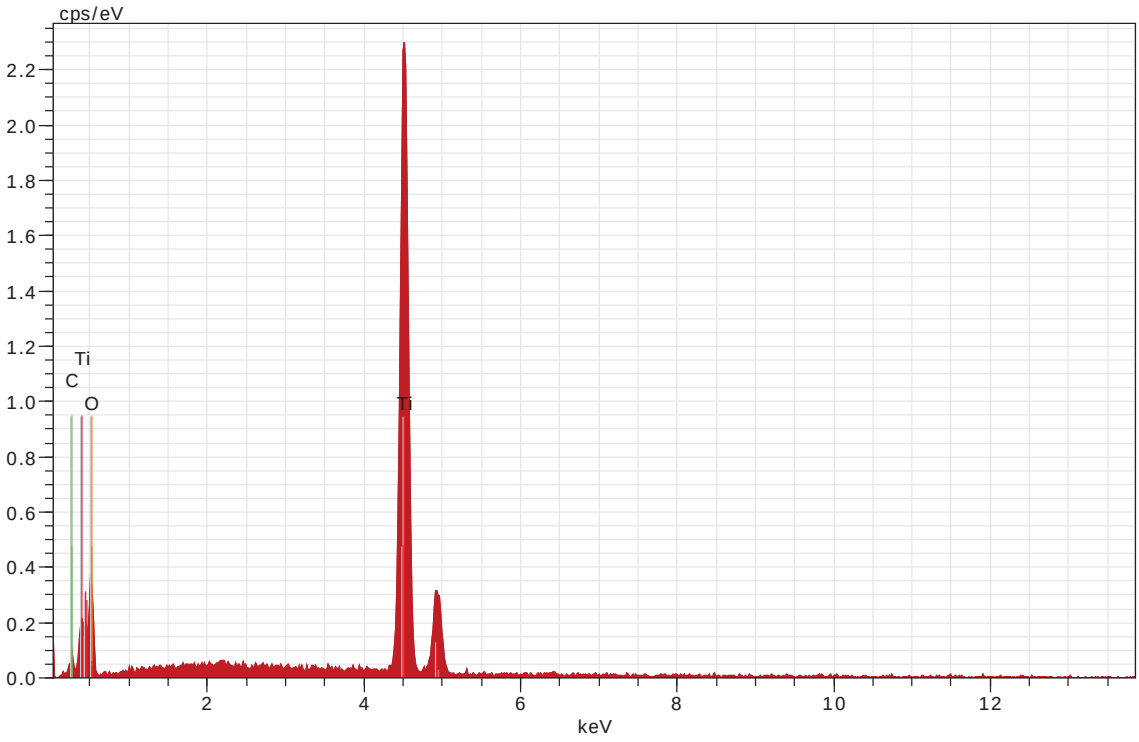
CCR2A 23.0-23.5: BSE image (top) and EDS spectrum (bottom) for muscovite; green crosshair on BSE image marks analysis location.



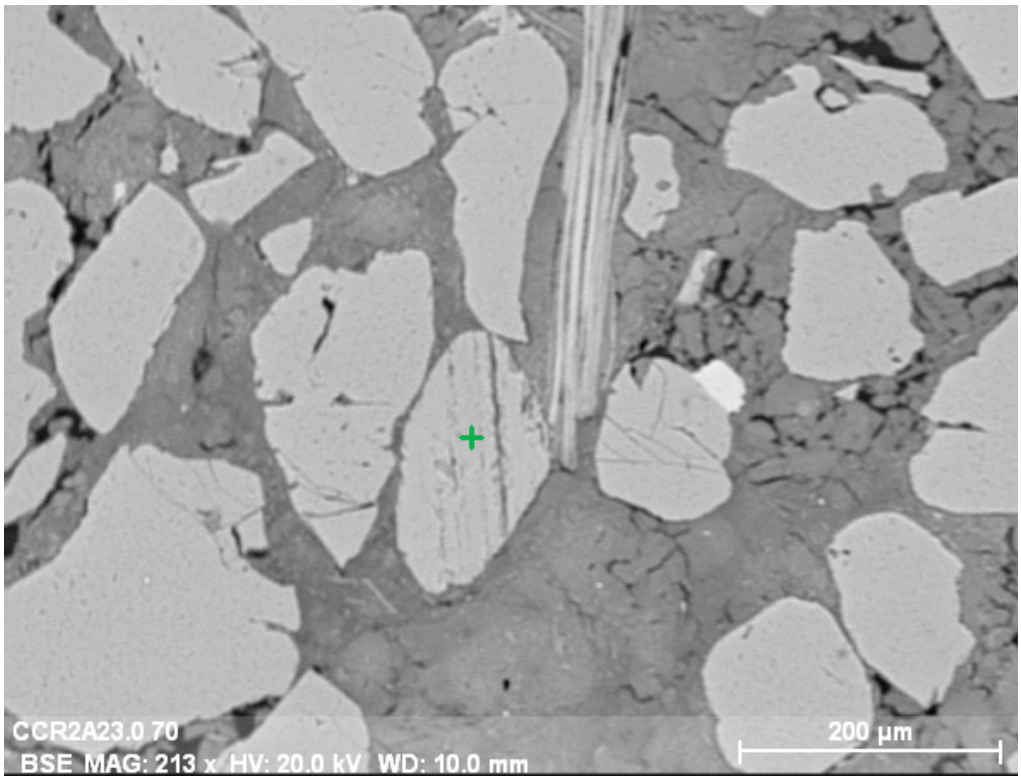


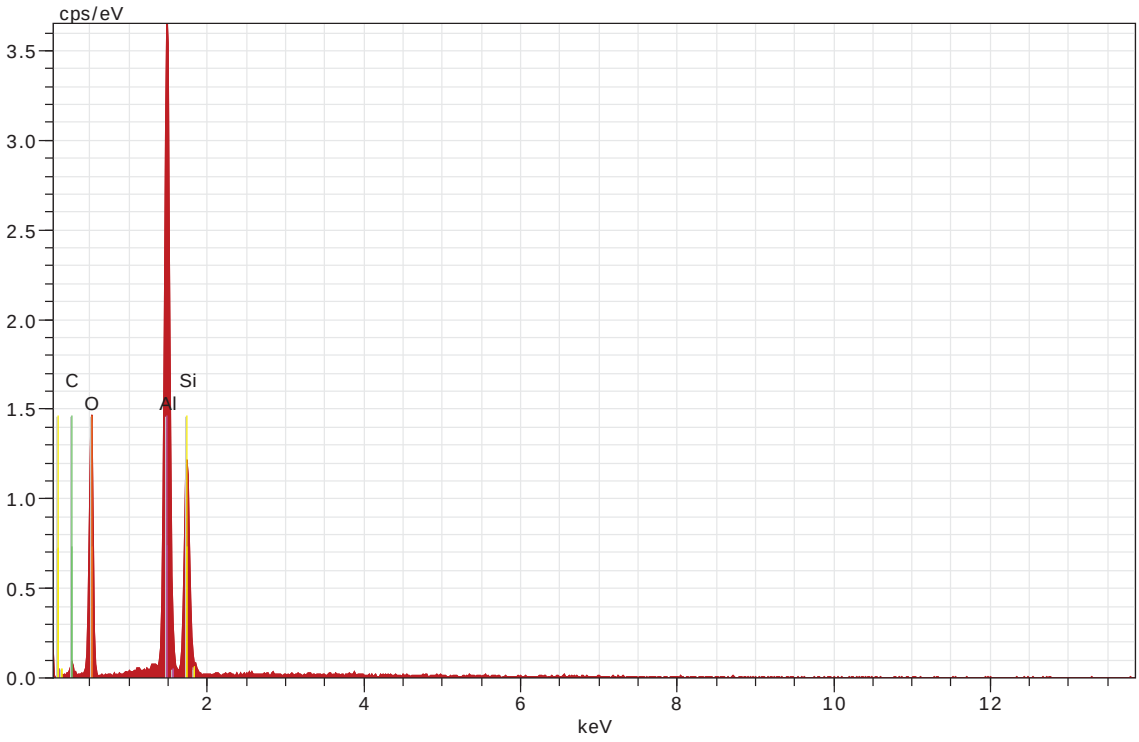
CCR2A 23.0-23.5: BSE image (top) and EDS spectrum (bottom) for zircon; green crosshair on BSE image marks analysis location.



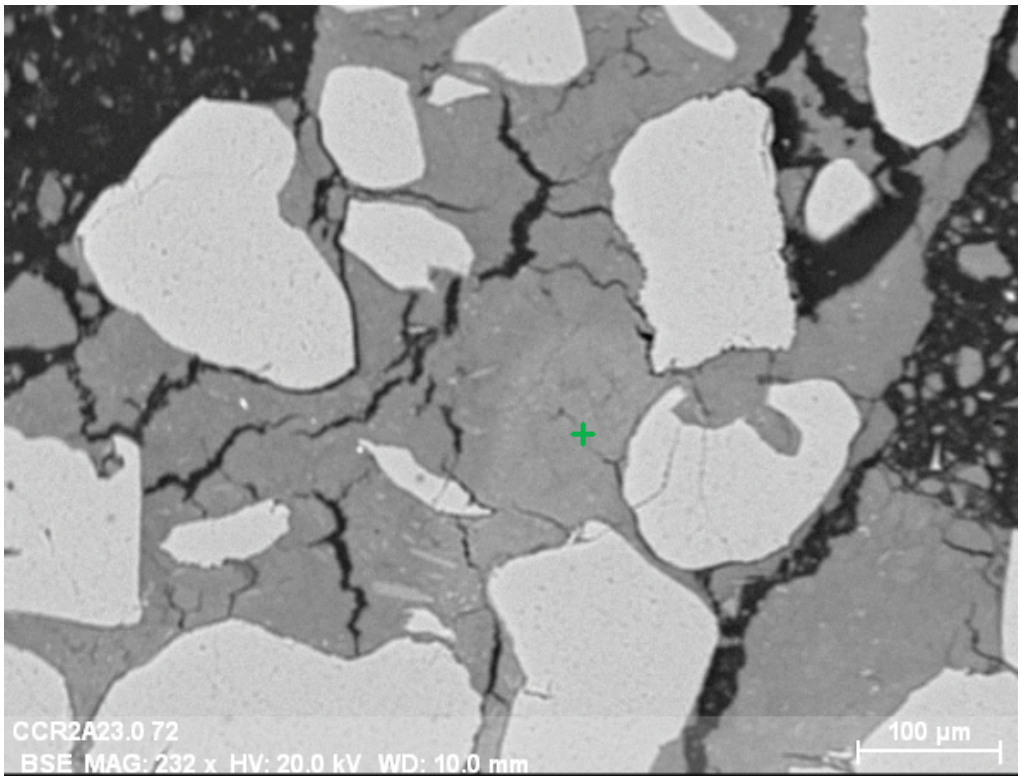


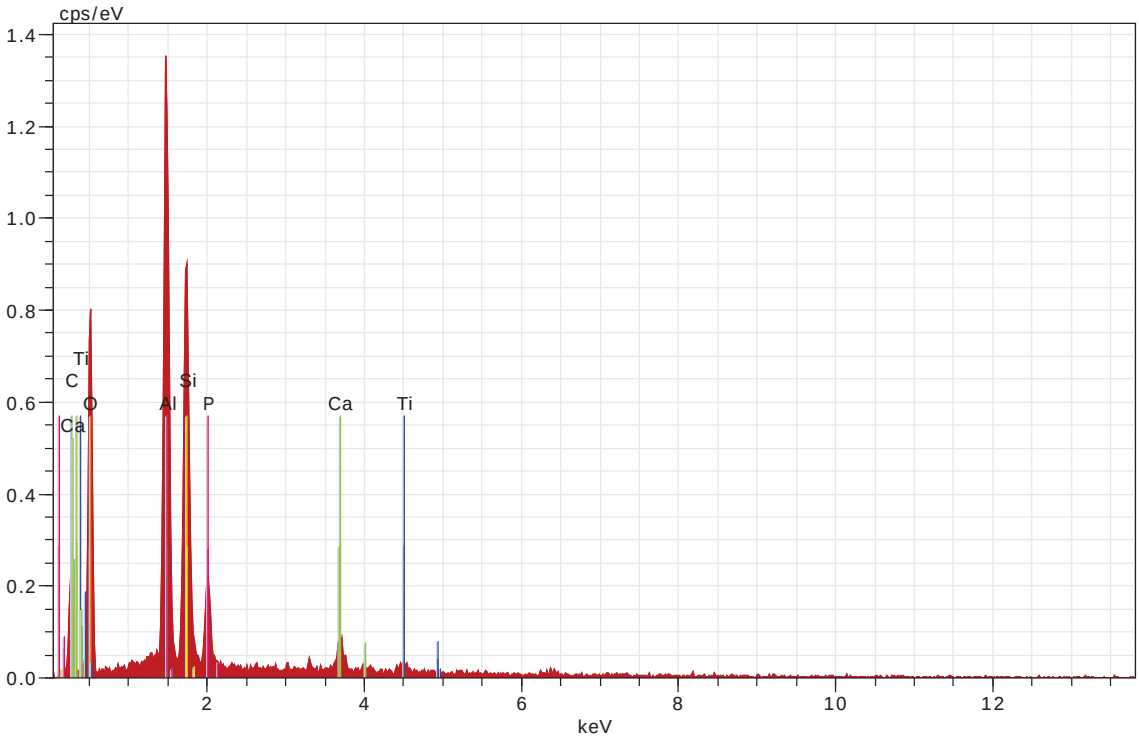
CCR2A 23.0-23.5: BSE image (top) and EDS spectrum (bottom) for rutile; green crosshair on BSE image marks analysis location.



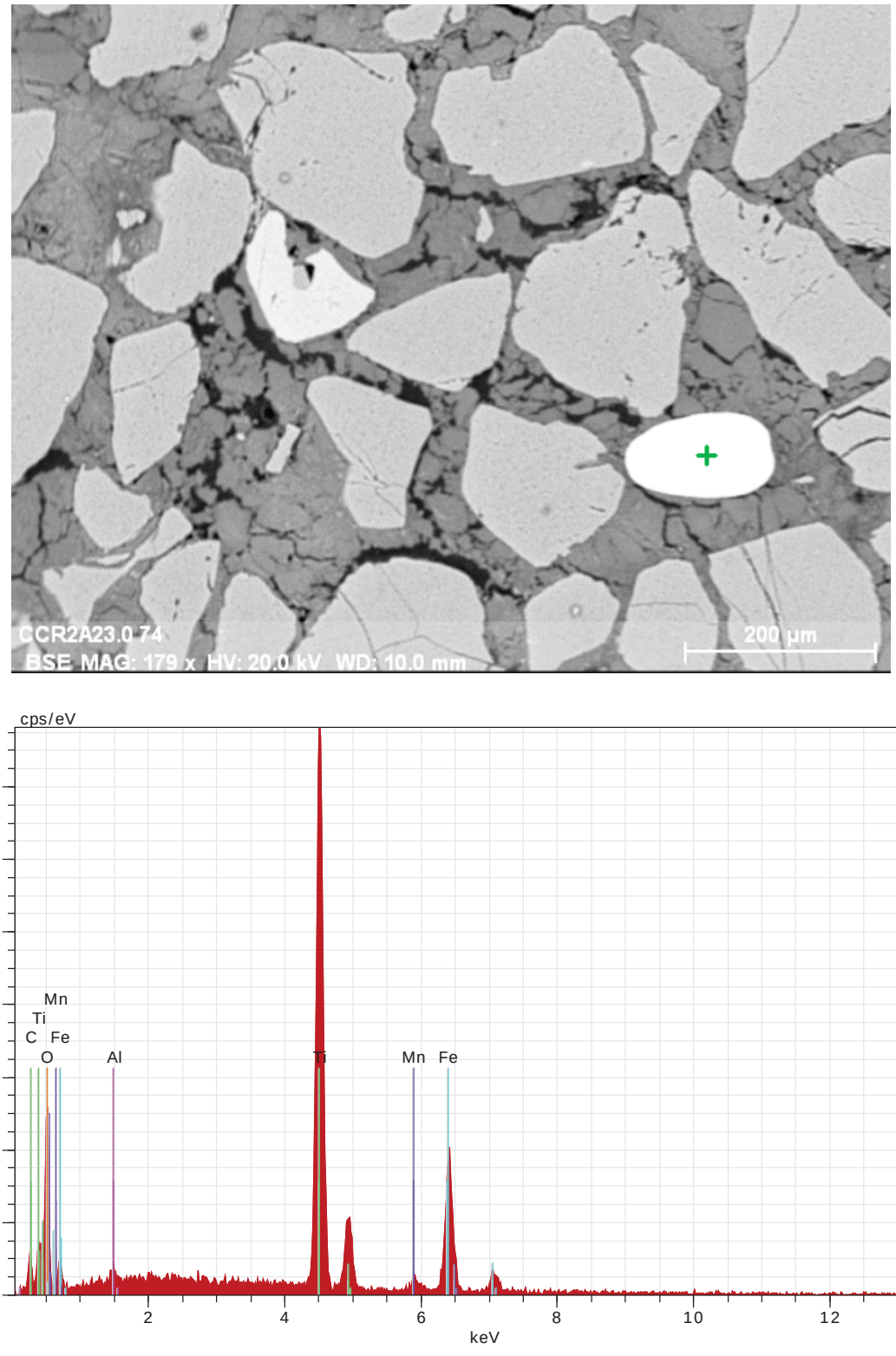


CCR2A 23.0-23.5: BSE image (top) and EDS spectrum (bottom) for kyanite; green crosshair on BSE image marks analysis location.

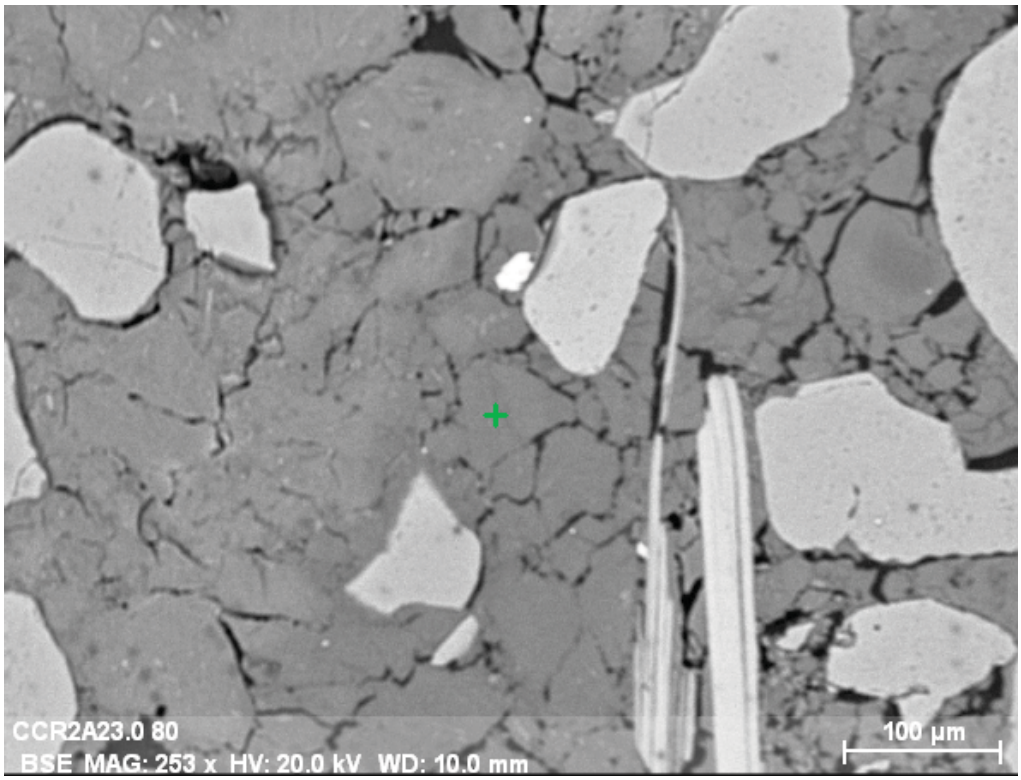


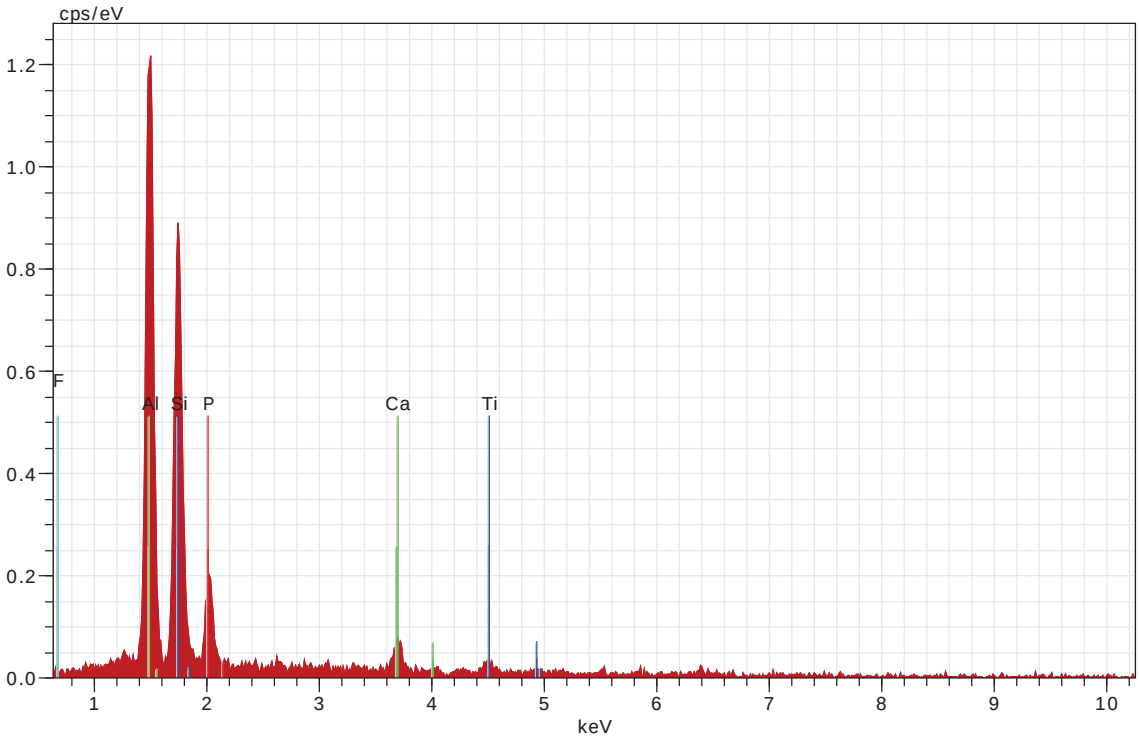


CCR2A 23.0-23.5: BSE image (top) and EDS spectrum (bottom) for wavellite and clay matrix; green crosshair on BSE image marks analysis location.

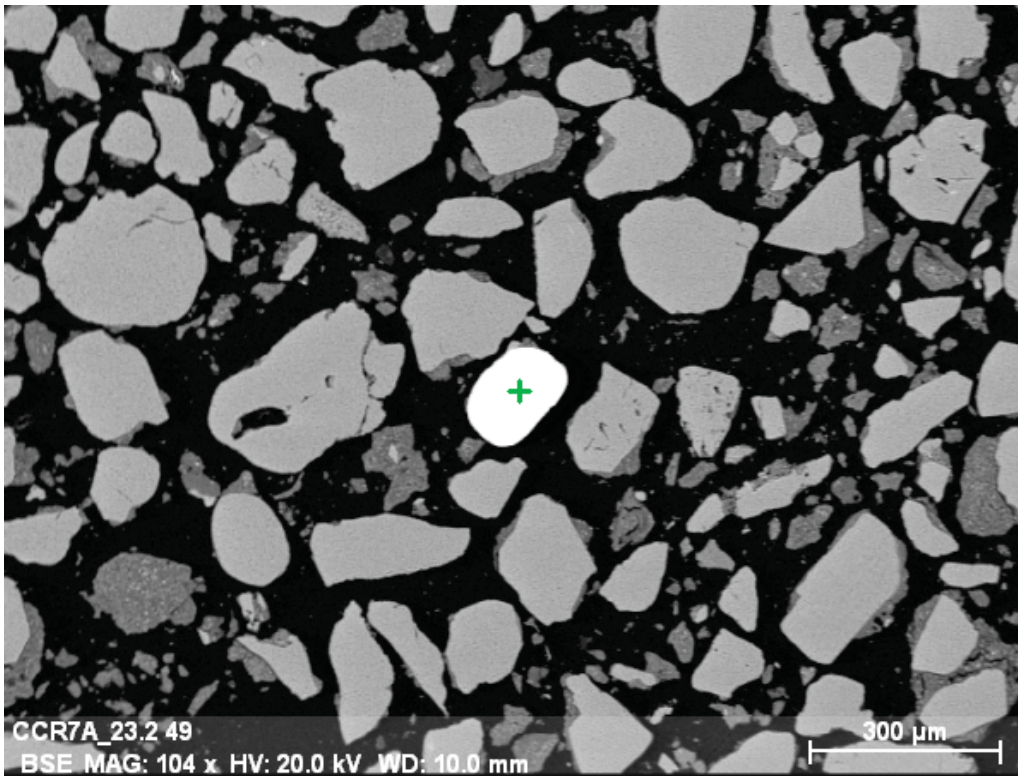


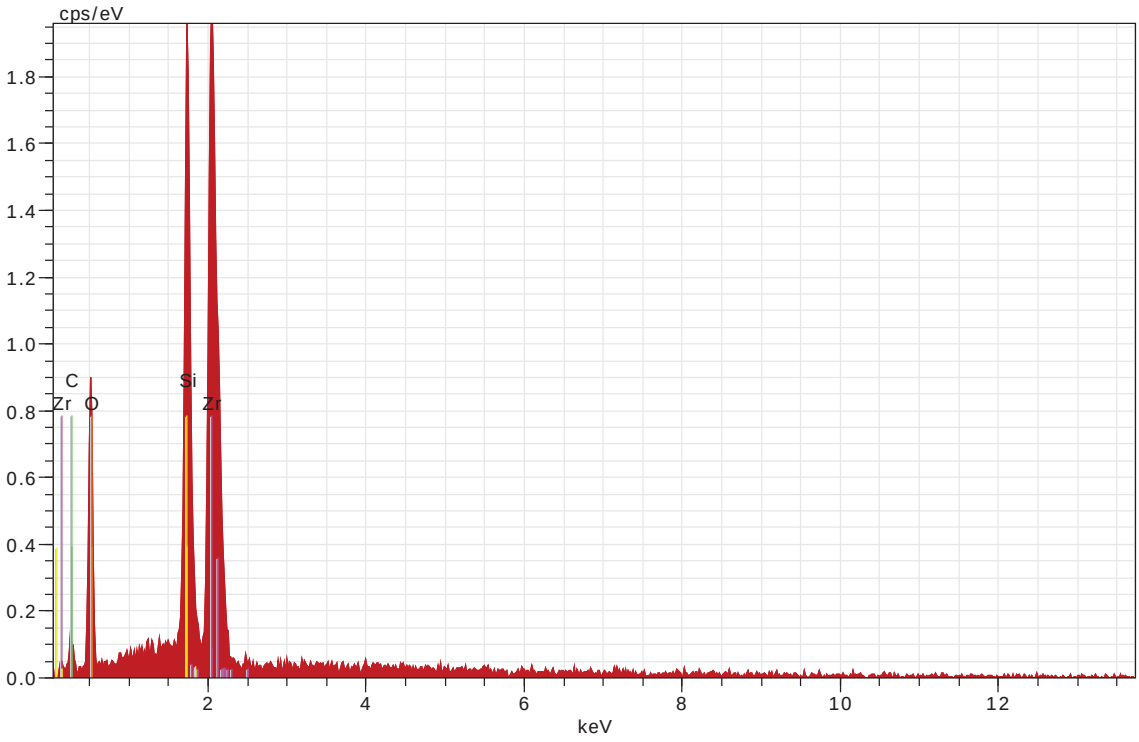
CCR2A 23.0-23.5: BSE image (top) and EDS spectrum (bottom) for ilmenite; green crosshair on BSE image marks analysis location.



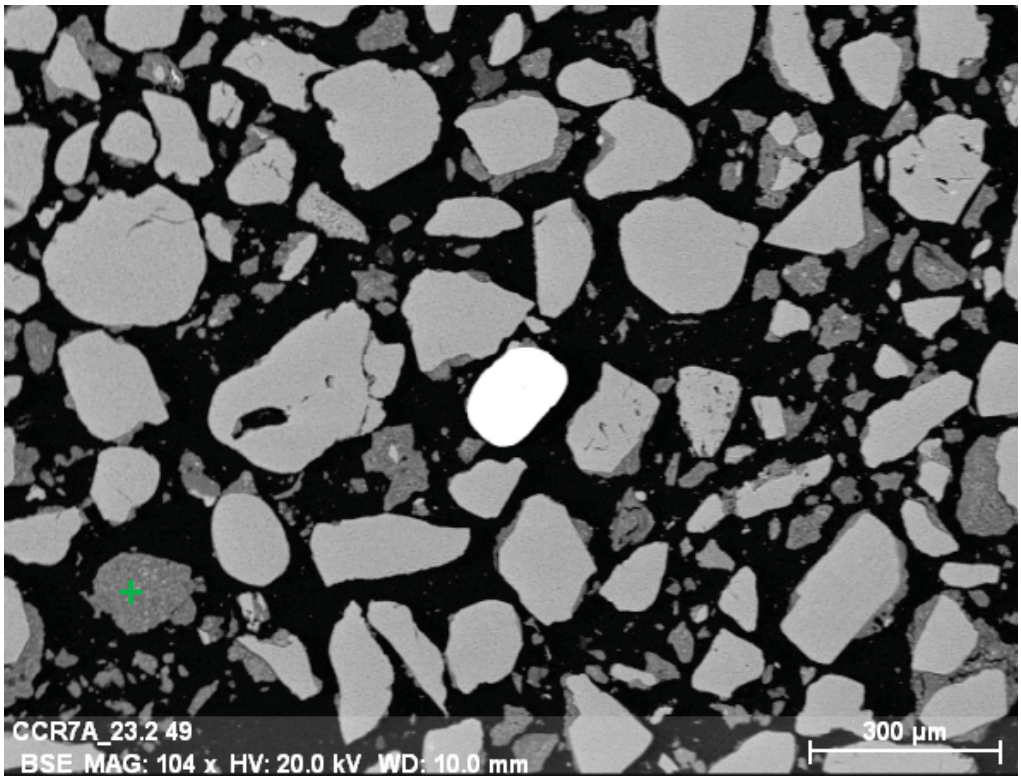


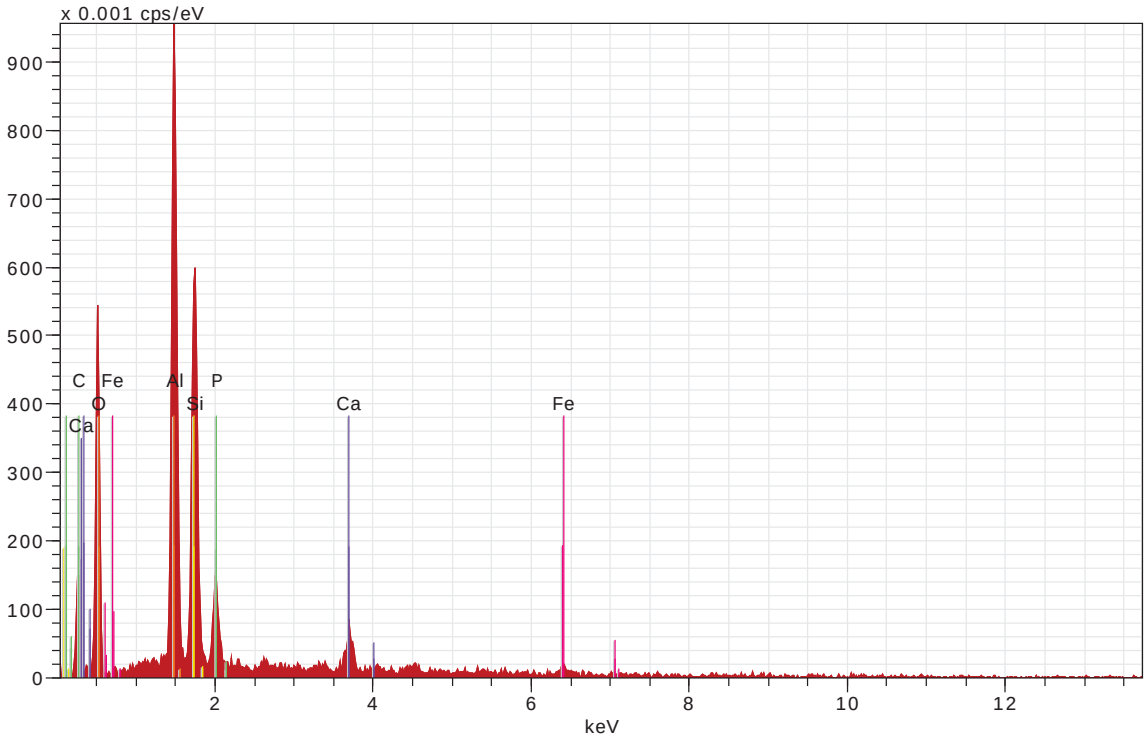
CCR2A 23.0-23.5: BSE image (top) and EDS spectrum (bottom) for wavellite and clay matrix; green crosshair on BSE image marks analysis location.



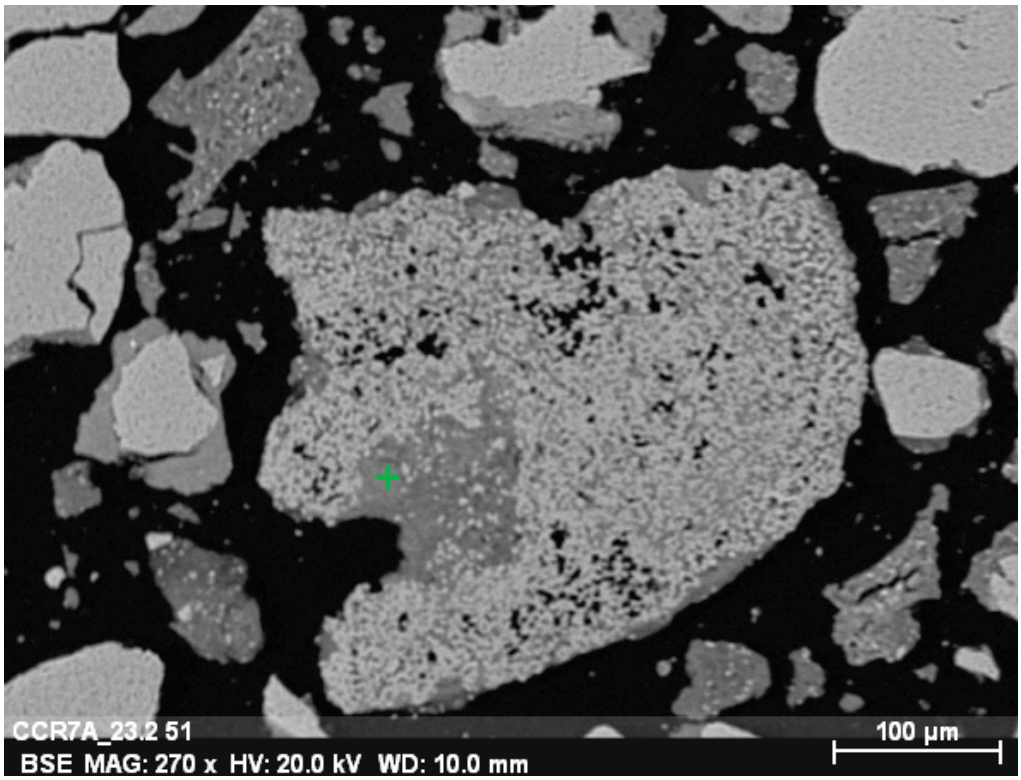


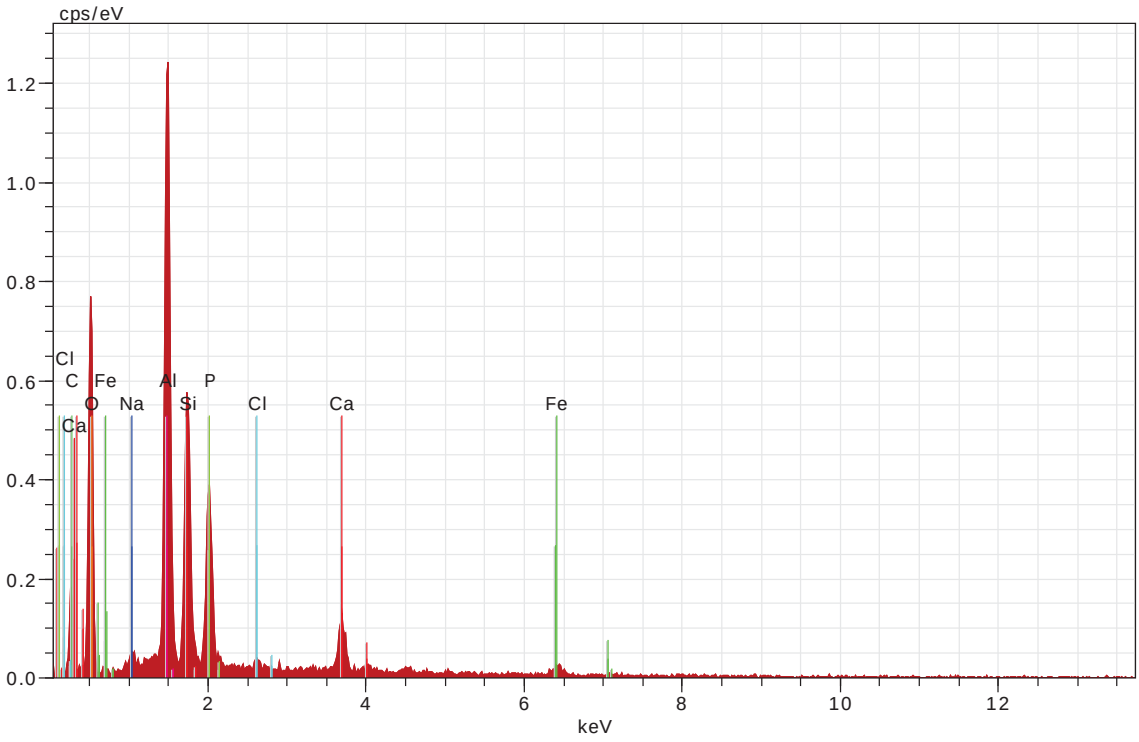
CCR7A 23.2-23.5: BSE image (top) and EDS spectrum (bottom) for zircon; green crosshair on BSE image marks analysis location.



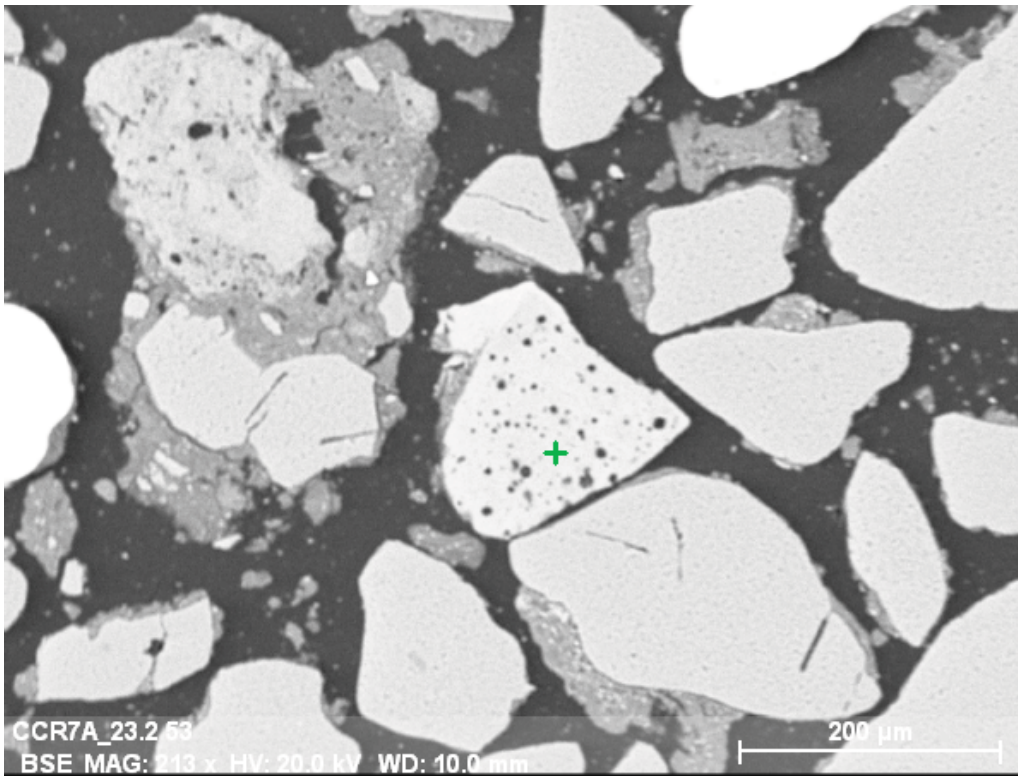


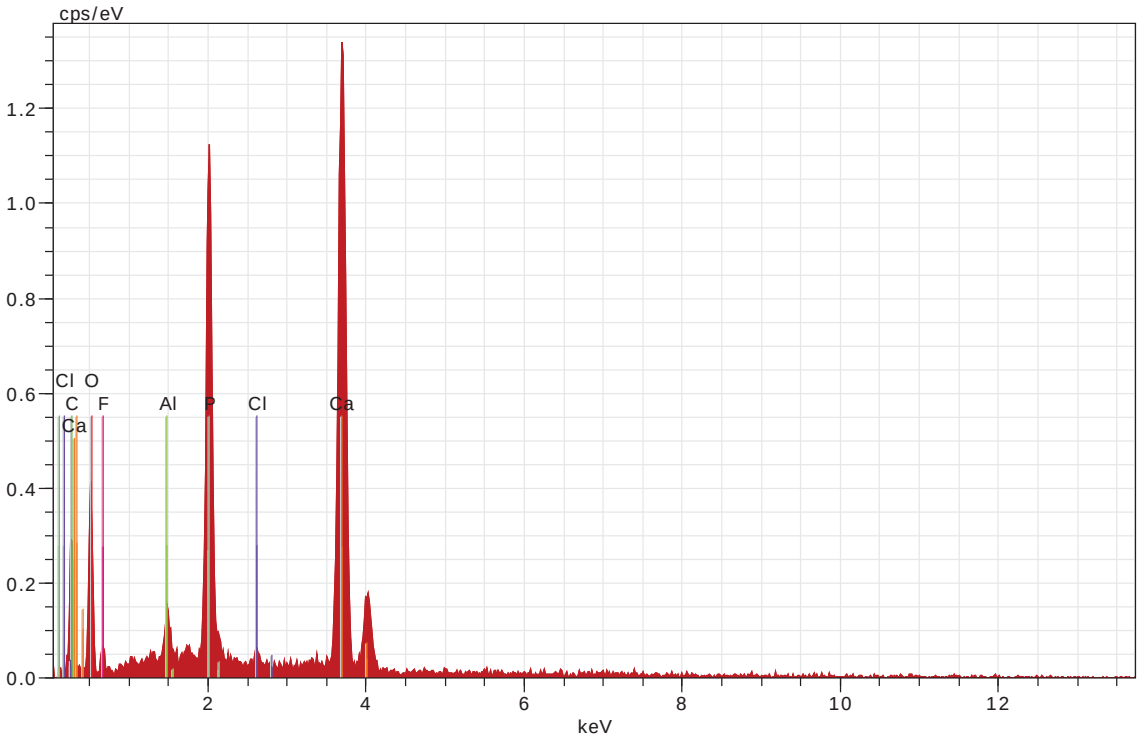
CCR7A 23.2-23.5: BSE image (top) and EDS spectrum (bottom) for Ca- and Al-phosphate matrix; green crosshair on BSE image marks analysis location.



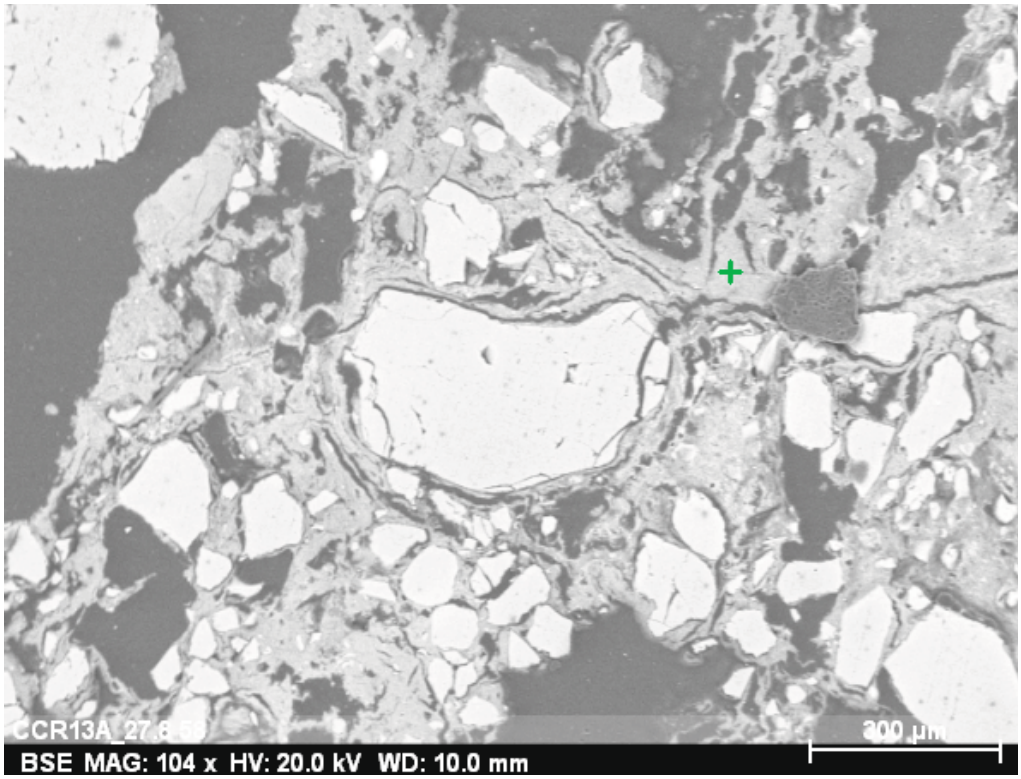


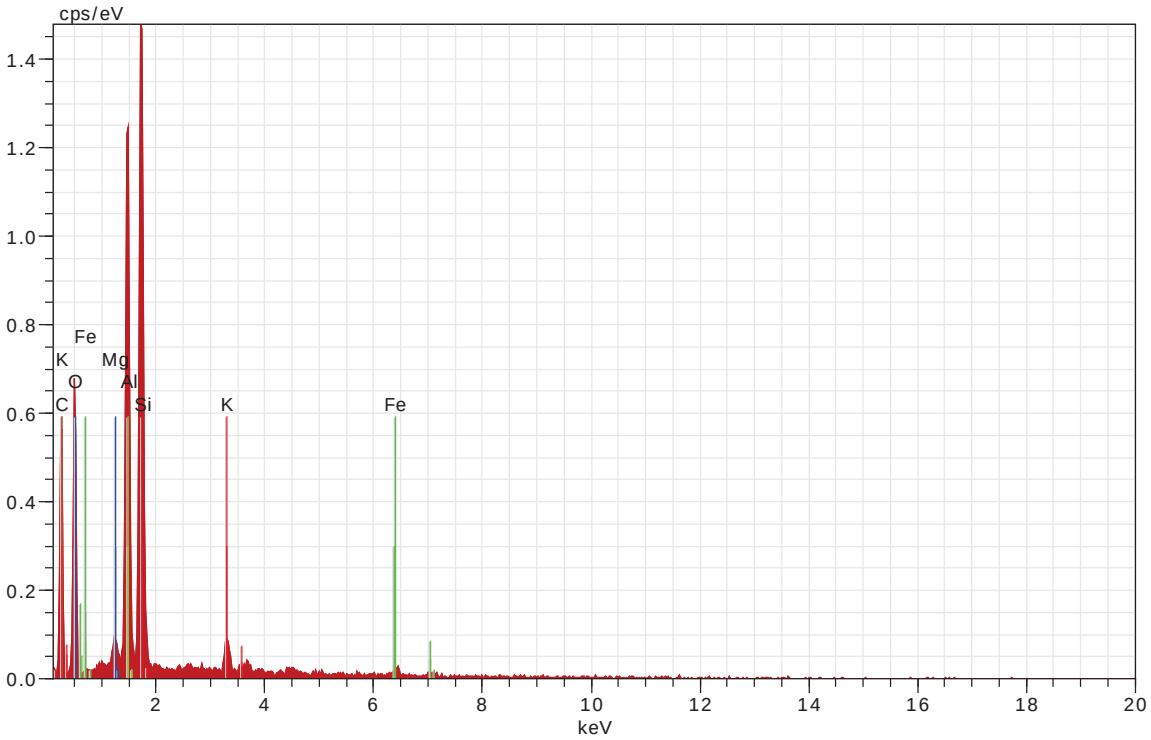
CCR7A 23.2-23.5: BSE image (top) and EDS spectrum (bottom) for wavellite and apatite matrix; green crosshair on BSE image marks analysis location.



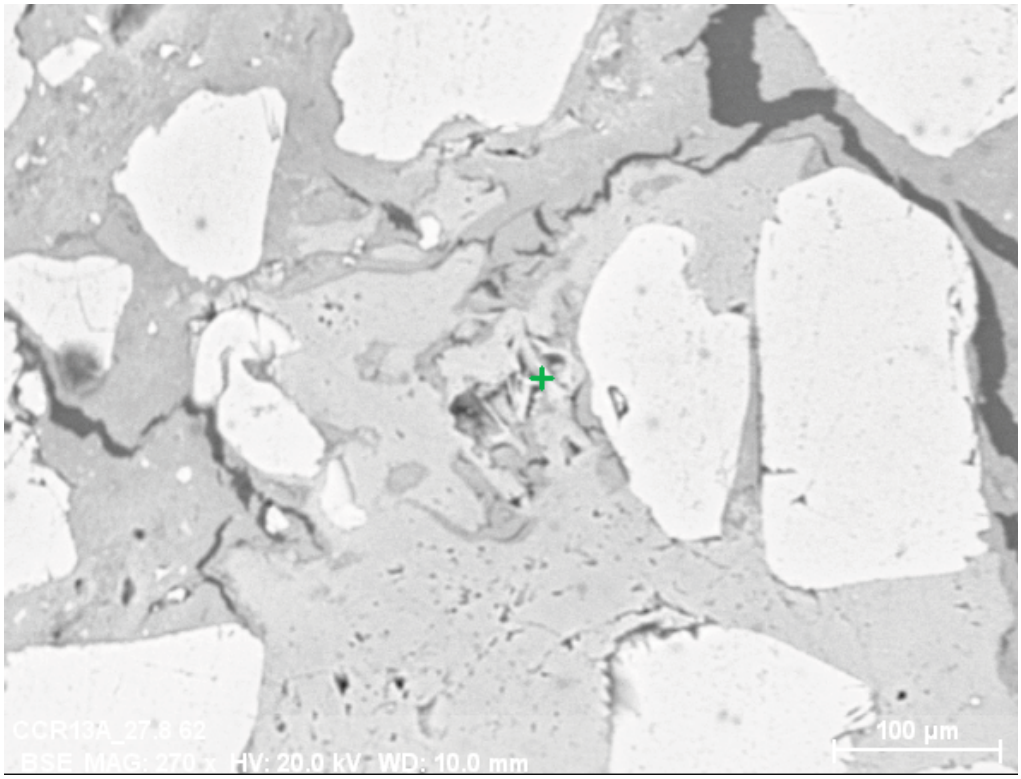


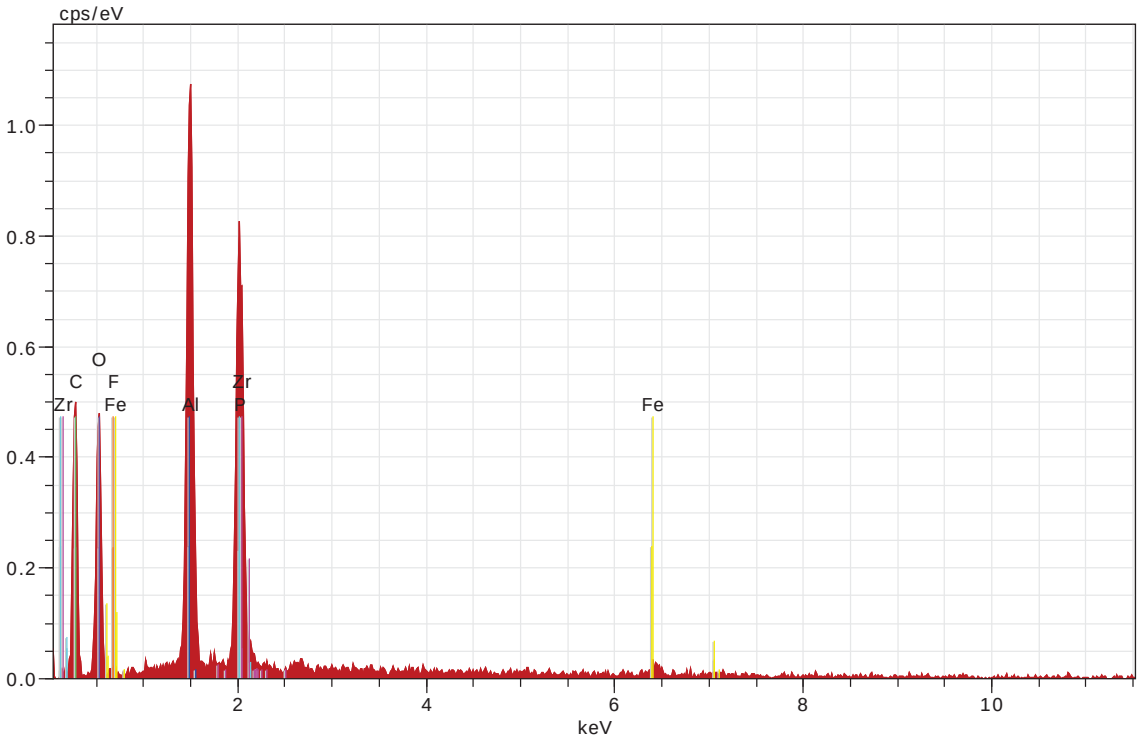
CCR7A 23.2-23.5: BSE image (top) and EDS spectrum (bottom) for apatite matrix; green crosshair on BSE image marks analysis location.



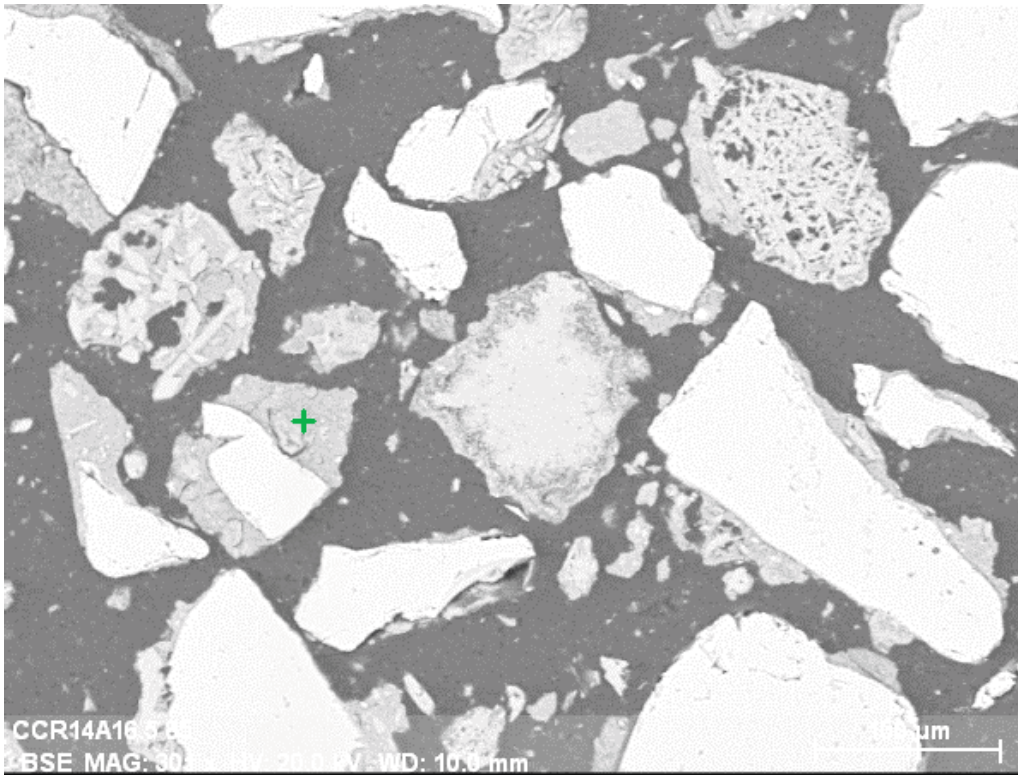


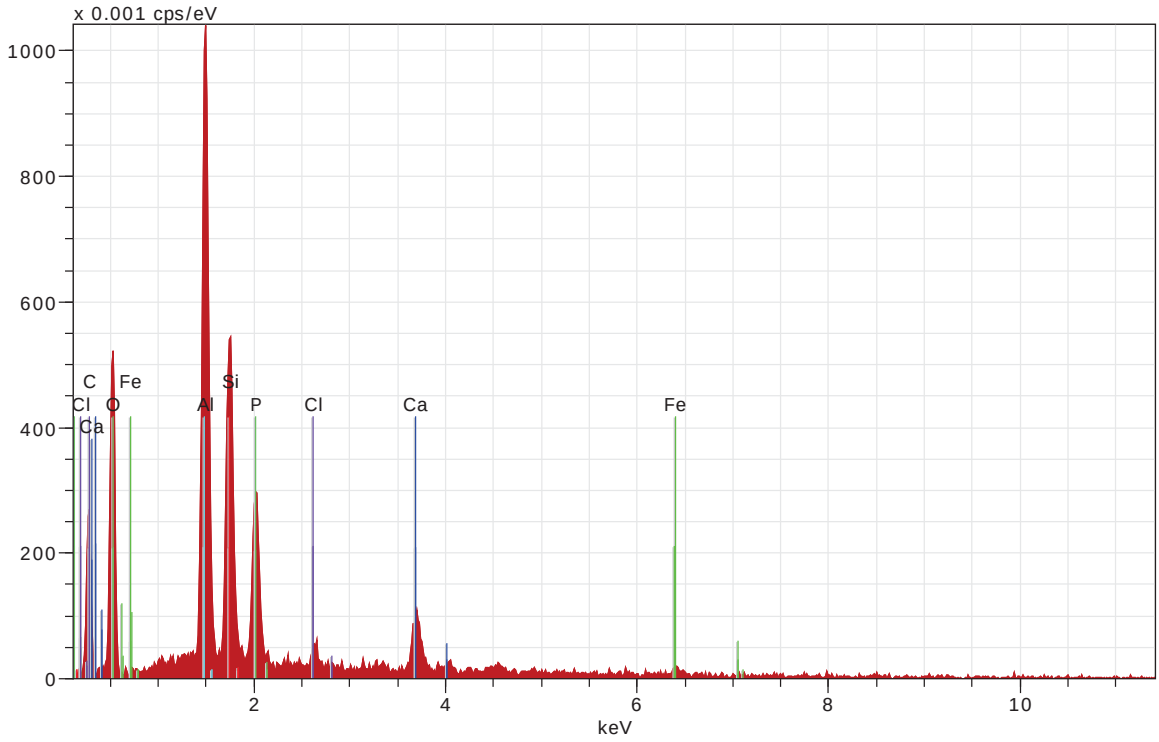
CCR13A 27.8-28.2: BSE image (top) and EDS spectrum (bottom) for kaolinite and muscovite matrix; green crosshair on BSE image marks analysis location.





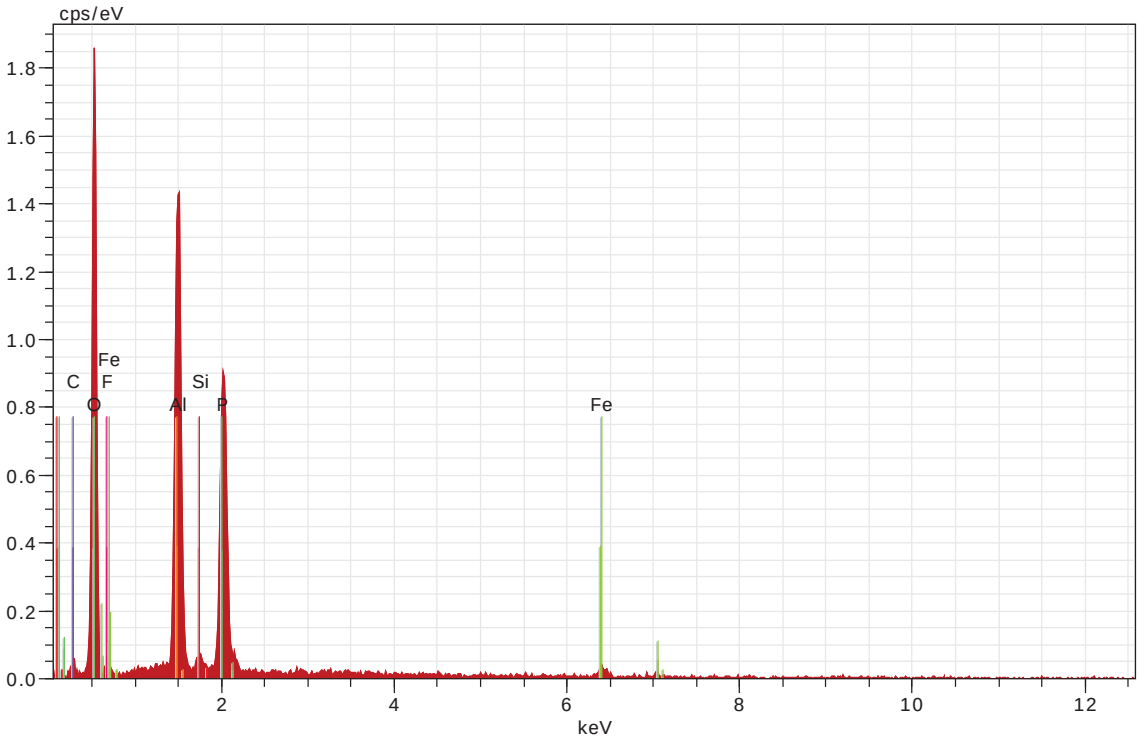
CCR13A 27.8-28.2: BSE image (top) and EDS spectrum (bottom) for wavellite; green crosshair on BSE image marks analysis location.



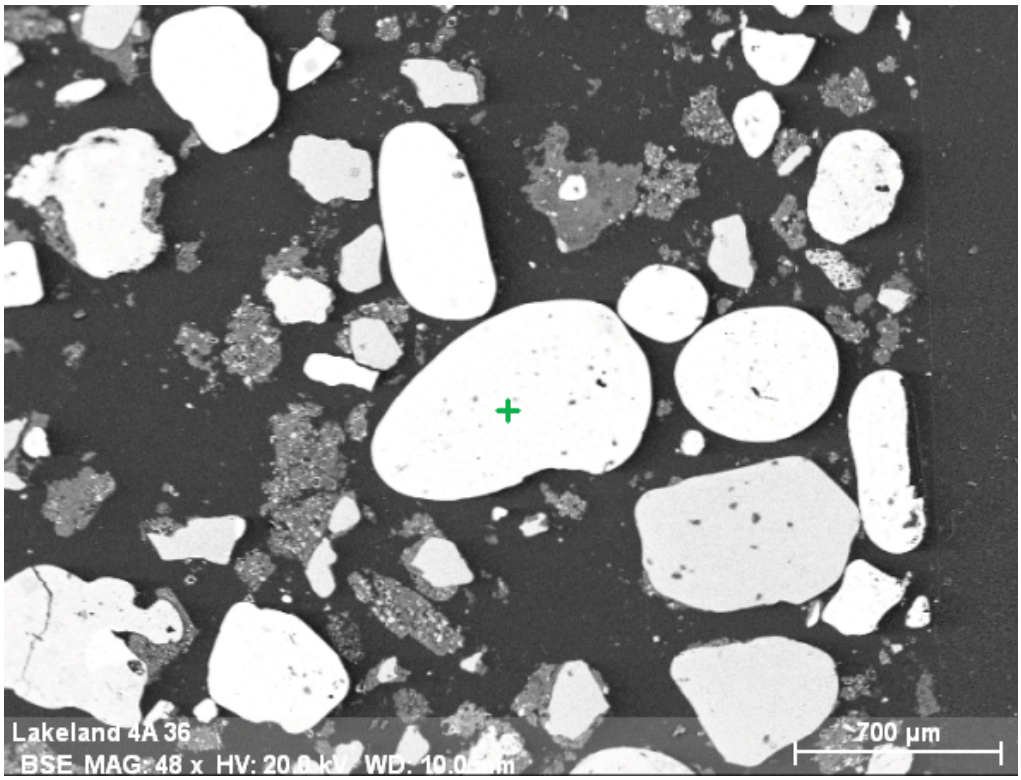


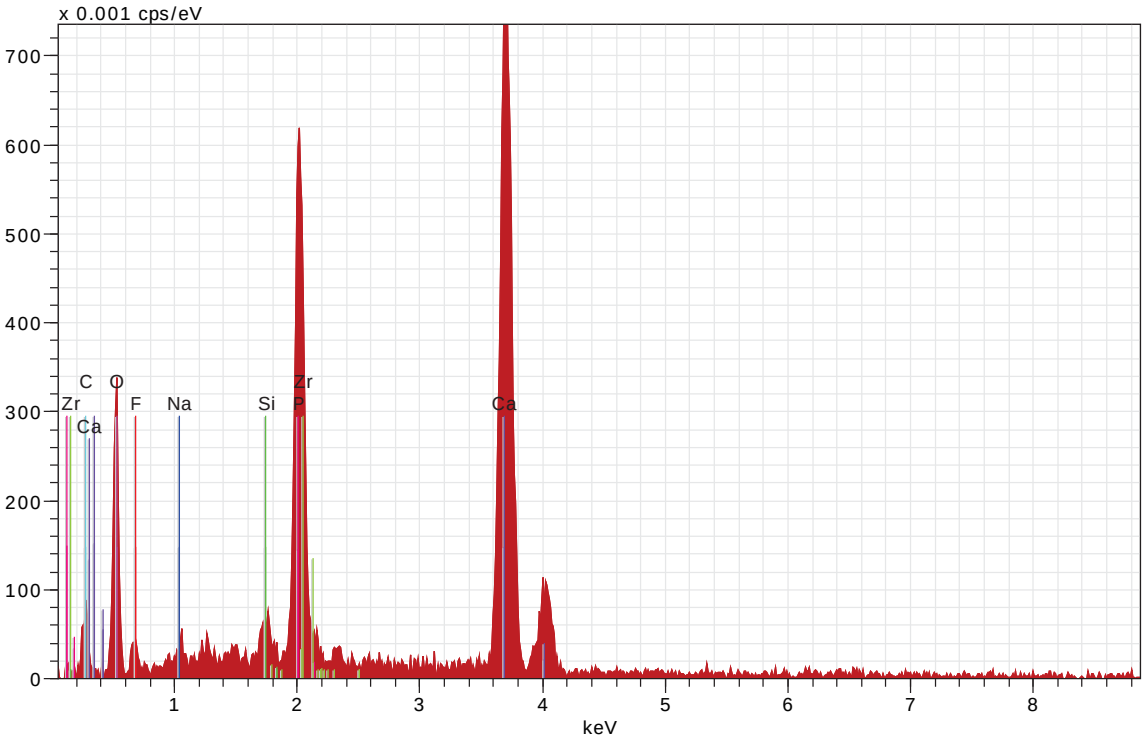
CCR14A 16.5-18.0: BSE image (top) and EDS spectrum (bottom) for apatite and wavellite matrix; green crosshair on BSE image marks analysis location.



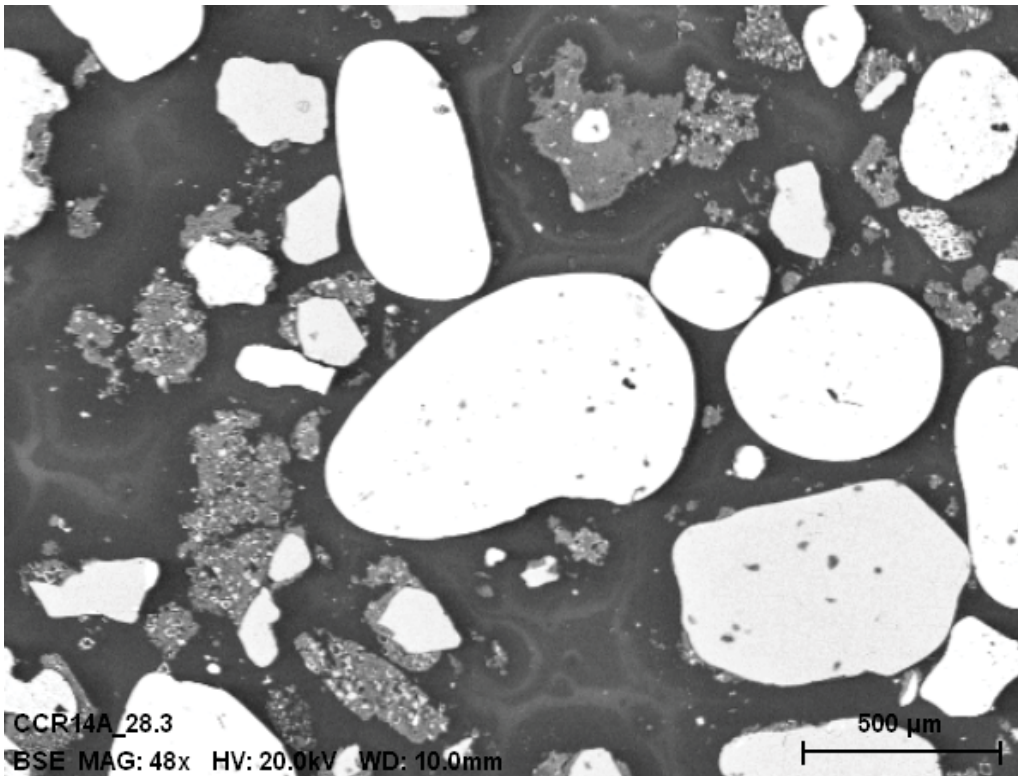


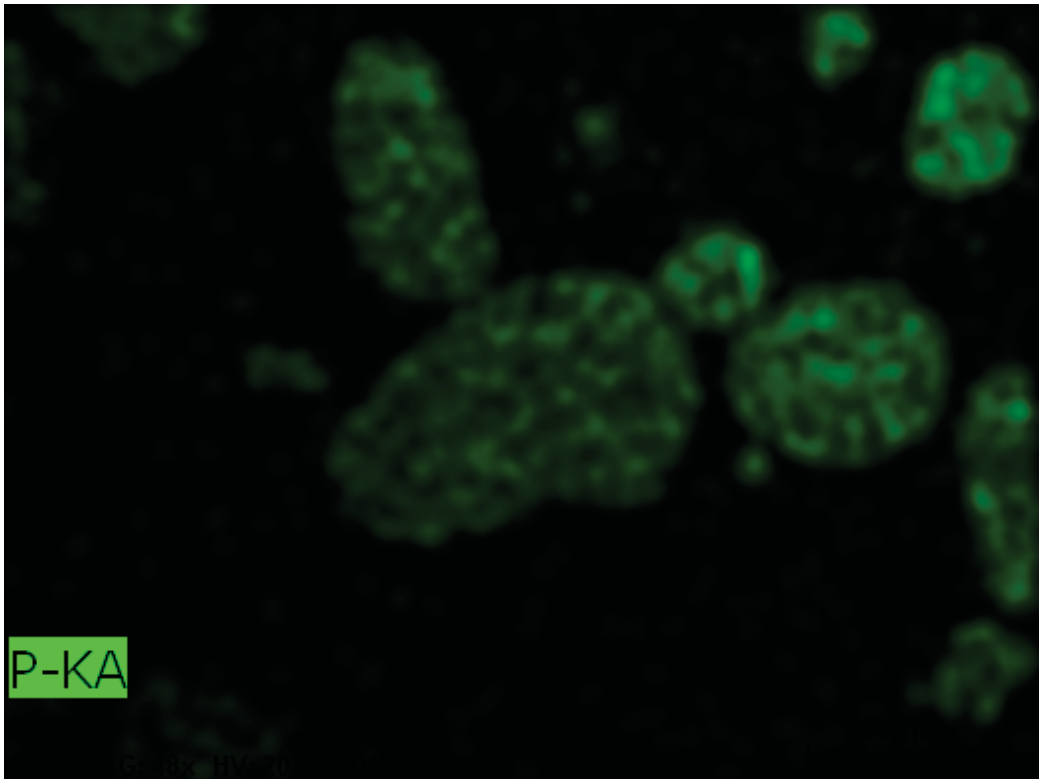
CCR14A 16.5-18.0: BSE image (top) and EDS spectrum (bottom) for wavellite; green crosshair on BSE image marks analysis location.



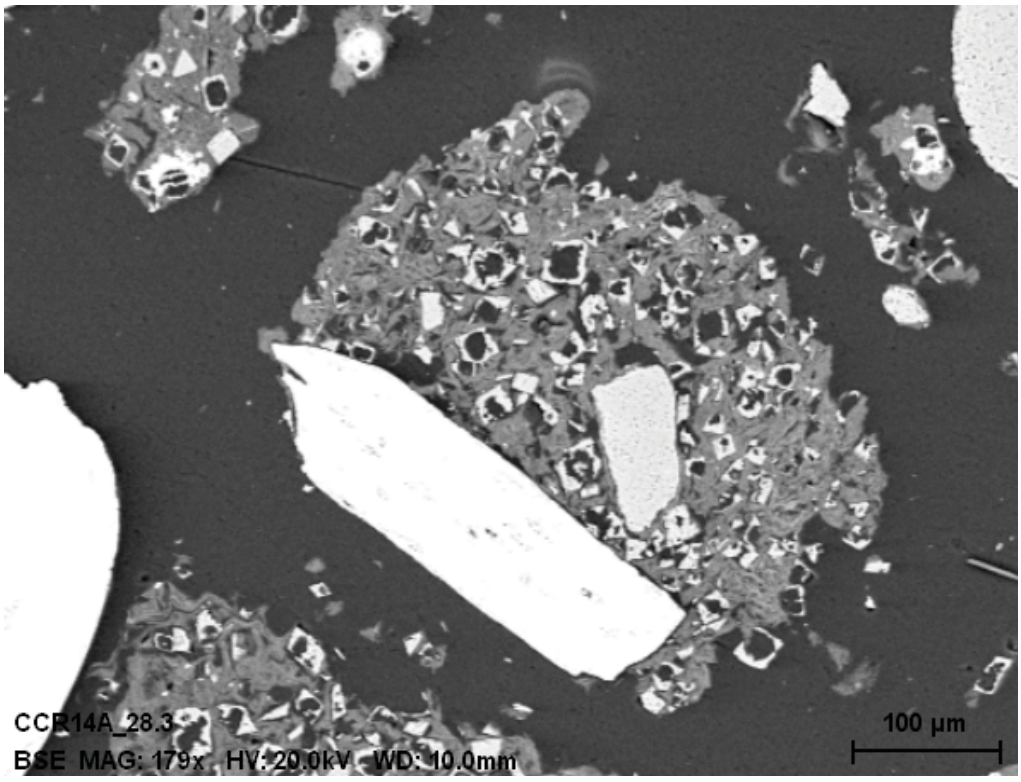


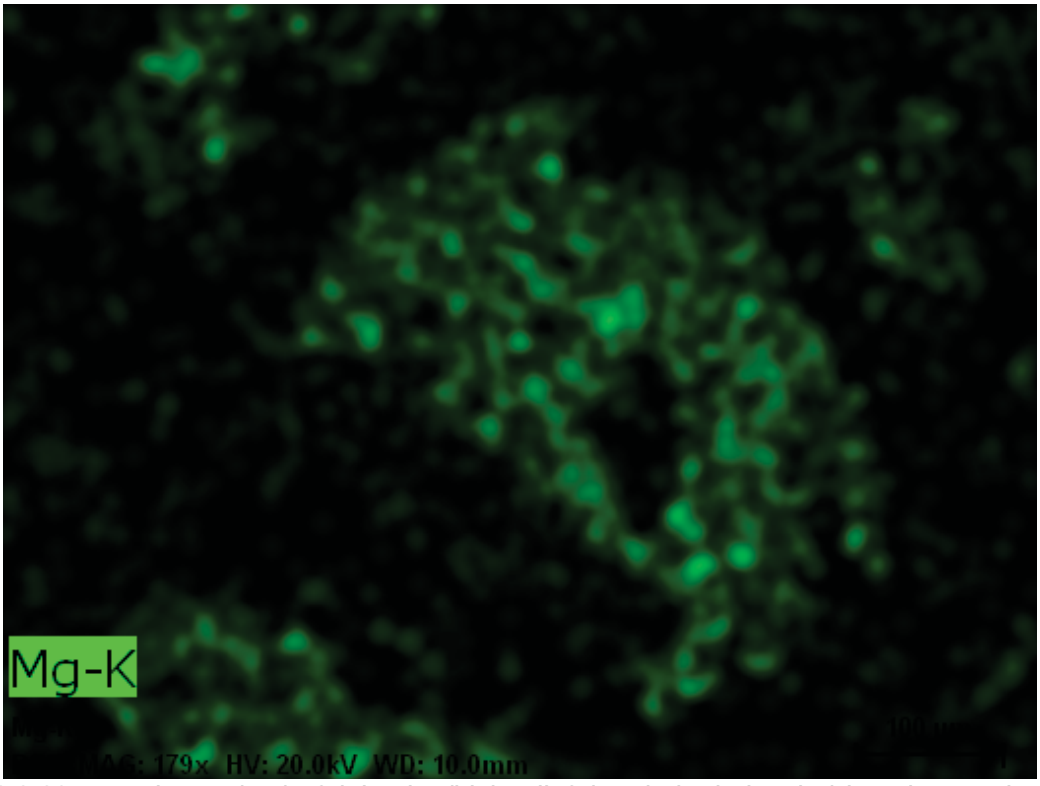
CCR14A 28.3-28.6: BSE image (top) and EDS spectrum (bottom) for collophane (apatite) "ball" with quartz inclusions (light gray); green crosshair on BSE image marks analysis location.





CCR7A 23.2-23.5: BSE image (top) and phosphorous map (bottom) of collophane apatite with quartz inclusions.





CCR7A 23.2-23.5: BSE image (top) of dolomite (high relief rhombohedral grains) in a clay matrix and magnesium map (bottom) of dolomite.



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