

Twentymile Coal, LLC

Foidel Creek Mine

## 2023 Hydrology Annual Report

Colorado Division of Reclamation, Mining, and Safety Permit C-82-056



**Peabody**

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## 1.0 INTRODUCTION

The 2023 Annual Hydrology Report (AHR) presents hydrologic monitoring data collected during the 2023 water year (October 2022 – September 2023) at the Twentymile Coal, LLC's (TC's) Foidel Creek Mine. This AHR fulfills the reporting requirements under the Colorado State Division of Reclamation Mining and Safety (DRMS) Permit No. C-82-056.

## 2.0 SITE LOCATION AND BACKGROUND

The TC Foidel Creek Mine is located approximately 20 miles southwest of Steamboat Springs, Colorado, at the south end of Twentymile Park (see Figure 1). The Foidel Creek Mine is an active underground coal mine, that encompasses roughly 15,200 acres in south Routt County. The total Life-Of-Mine permit area includes approximately 22,647 acres. The primary surface facilities, including sediment basins, coal refuse pile, coal wash plant, and loadout areas, cover about 800 acres. The mine's portals and surface facility areas are bordered on the south and southwest by strip mine spoils from the former Colorado Yampa Coal Company (CYCC). Other associated satellite TC support facilities, including borehole and ventilation pads, contribute approximately 150 acres.

Surface coal mining has been conducted in the area since the 1960's. The Foidel Creek Mine is an underground longwall operation that was established in 1983. Longwall mining is a form of underground mining where a 1000-foot-long wall is mined in a single slice (typically 2-3 m thick). The block of coal being mined, known as the longwall "panel", may be on the order of 12,000 feet long. The gate road along one side of the wall is called the head gate, while the other side is called the tail gate. The end of the block that includes the longwall equipment is called the "face". Air is provided by ventilation fans and associated bleeder vent shafts from the surface. The advantage of longwall mining is that over 80 percent of the coal is recovered, compared with about 50 percent for the traditional pillar method. In addition, subsidence is immediate, allowing for better planning by the mining company. The Foidel Creek Mine portals are faced-up in the down dip high-wall of the former strip mine.

The permit area lies within the Trout Creek watershed is drained to the east-northeast by Fish Creek, Foidel Creek, and Middle Creek. Foidel Creek is located adjacent to the TC Foidel Creek Mine surface facilities and receives treated effluent from a series of sediment ponds established at

the facility. Mine site drainage is controlled through seven (7) sediment ponds (NPDES Ponds T, B, C, D, E, F, and G – see Figure 2). The Fish Creek drainage is located north of the Foidel Creek Mine surface facilities area and overlies tracts, which have been longwall mined. Fish Creek runs through the Twentymile Park syncline area. Mine water was historically discharged into Fish Creek via the Fish Creek Borehole (FCBH) pump and sodium hydroxide treatment pond facility (discharge site 115), however that practice ceased in early 2005. In 2005, an electro-coagulation treatment system was constructed re-using the FCBH pump. Treated mine water was directed back underground for dust suppression. Electro-coagulation treatment assists in minimizing pipe scaling underground. This system has since been replaced with coagulation treatment system. Due to the high iron very little water is discharged from the FCBH into Fish Creek. Middle Creek is located to the south of Foidel Creek, along the eastern margin of the permit boundary. The mine does not discharge into Middle Creek.

Mine water is currently dewatered from wells (16LT & 18LT) located in the New West Mining District (NWMD) and the 10RT well located in the old Eastern Mining District (EMD). The wells discharge into the Area 1 Pit. The Pit supplies water to the wash plant. If the Pit overflows, it runs through a flume (site 7) into Pond D. Pond D (site 84) is an NPDES point discharging to Foidel Creek.

The Fish Creek Tipple site is located approximately 15 miles southwest of Steamboat Springs at the northeast end of Twentymile Park, covering an area of approximately 15 acres. The tipple was constructed in 1974 and ceased operation in 1983. Spoil springs (sites 303-1, 303-2, and 303-3) from the former surface operations at the Fish Creek Tipple site (east of the TC Foidel Creek Mine and Twentymile Park area) also discharge to Fish Creek at NPDES site 62. The area was reclaimed in 2012, at which time sites 303-2 and 303-3 ceased to flow.

The previously surface mined area southwest of the Foidel Creek portals and primary surface facilities (Eckman Park area), has been reclaimed and has been released from bond. In addition, the former surface mine area referred to as Area 1 was released from bond in January 2002. As a result, the Colorado Department of Public Health and Environment (CDPHE) subsequently approved eliminating Ponds A (Eckman Park) and H (Area 1) from our ongoing NPDES monitoring program in 2002.

Hydrologic monitoring was initiated for this area by CYCC in 1979. TC continues the monitoring program under updated DRMS permit requirements. Since mid-1987, hydrologic monitoring and reporting has primarily been conducted by TC personnel. In May of 1995, a private firm (Miller Water Monitoring Service) was contracted to assist with hydrologic monitoring at the TC sites and continues to assist in monitoring to date. Prior to June 1986, water quality analyses were performed by the on-site CYCC laboratory. From 1987 to 2000, water quality analyses were primarily performed by ACZ Laboratories (formerly Bookcliffs) of Steamboat Springs, Colorado. From 2001 through 2005, water quality analysis has primarily been performed by SGS North America laboratory of Denver, Colorado. Since mid-2005, analyses are again primarily performed by ACZ Laboratory of Steamboat Springs, Colorado. Whole Effluent Toxicity (WET) testing was historically conducted by SGS, and then Aqua-Tox of Wheat Ridge, Colorado through May 2018 where TC switched to Environ Chem Analytical of Grand Junction, Colorado.

Note that in 2003, DRMS approved TR03-42 (See Permit Exhibits 14-5, 14-6, and 14-10), and PR 03-06 (See Permit Exhibits 14-7 through 14-9), which eliminated several surface, alluvial, and bedrock well monitoring sites, and reduced the monitoring frequency of other sites, while adding additional monitoring requirements to existing surface site 305 (located downstream at the time of Twentymile Park subsidence). Data from terminated sites can be found in previous AHRs.

Three former US Geologic Survey (USGS) surface water sites (USGS 09243700, USGS 09243800 and USGS 09243900) were monitored for flow by the USGS through the 2001 water year. Prior to the 1989 Water Year, the USGS had collected and analyzed water quality samples from these sites. From the 1989 water year to date, TC has collected water quality samples from these sites for laboratory analysis. Beginning with the 2002 water year, TC took over monitoring of these three sites (referred to as sites 700, 800, and 900, respectively) from the USGS. In 2003, TR03-42 eliminated site 700 on Middle Creek.

### 3.0 2023 HYDROLOGIC MONITORING PROGRAM

The Foidel Creek Hydrologic Monitoring program includes bedrock and alluvial wells, stream points, spoil springs, natural springs, mine discharge, and mine inflow monitoring. Specific monitoring site locations and their elevations are shown on Figure 2. Required monitoring frequencies are listed in Permit No. C-82-056 for reference. Data tables and figures for each site are referenced in the following discussions. Statistical summaries of the historical data and graphs

of total dissolved solids (TDS) and field conductivity are also provided after presentation of the 2023 data. Twentymile uses the EQUIS database for data storage and reporting. Because of differences between the name listed in the database and the actual site name, both are shown in the tables for each monitoring type. Where data is shown in the attachments, the data is ordered by the EQUIS site id.

### 3.1 Bedrock Groundwater Monitoring

Table 3-1 shows the bedrock monitoring sites, monitoring requirement, and actual monitoring frequencies. Report period data for 2023, water level elevation including hydrographs, water quality statistics, and graphs of Laboratory TDS and Field Conductivity are included in Attachment 1. In attachment 1, Section 1 shows water level elevations, Section 2 shows water level hydrographs, and Section 3 shows water quality and water quality statistics.

**Table 3-1: Bedrock Groundwater Monitoring Program**

| EQUIS Site<br>Name                                                                                 | Site Name  | Frequency   |        |               |        | Status      |
|----------------------------------------------------------------------------------------------------|------------|-------------|--------|---------------|--------|-------------|
|                                                                                                    |            | Water Level |        | Water Quality |        |             |
|                                                                                                    |            | Permit      | Actual | Permit        | Actual |             |
| Wadge / Wolf Creek Overburden                                                                      |            |             |        |               |        |             |
| 09794                                                                                              | 009-79-4   | S           | 2      | A             | 1+     | Active      |
| 068274C                                                                                            | 006-82-74C | S           | 2      | A             | 1+     | Active      |
| 91M006                                                                                             | 91M006     | S           | 0&     | A             | 0&     | Damaged     |
| 087758                                                                                             | 008-77-58  | S           | 2      | A             | 1+     | Active      |
| 93M001                                                                                             | 93-M001    | S           | 2      | A             | 1,1+   | Active      |
| 008A                                                                                               | WC008A     | S           | 2      | A             | 1,1+   | Active      |
| 013A                                                                                               | WC013A     | S           | 2      | A             | 1,1+   | Active      |
| Twentymile Sandstone                                                                               |            |             |        |               |        |             |
| 06BR7                                                                                              | 006-BRDH7  | S           | 0&     | N/A           | N/A    | Active      |
| 91M005                                                                                             | 91M005     | N/A         | N/A    | N/A           | N/A    | Deactivated |
| 97012TM                                                                                            | 97012TM    | N/A         | N/A    | N/A           | N/A    | Deactivated |
| 97013TM                                                                                            | 97013TM    | S           | 0&     | A             | 1,1+   | Active      |
| FBR11B                                                                                             | FBR-11B    | N/A         | N/A    | N/A           | N/A    | Abandoned   |
| FBR2                                                                                               | FBR=2      | S           | 2      | A             | 1,1+   | Active      |
| Trout Creek Sandstone                                                                              |            |             |        |               |        |             |
| 0183106                                                                                            | 001-83-106 | A           | 1d     | B             | 1      | Active      |
| 0183107                                                                                            | 001-83-107 | A           | 1      | N/A           | N/A    | Active      |
| 0875EFC                                                                                            | 008-75-EFC | N/A         | N/A    | N/A           | N/A    | Deactivated |
| 95M001                                                                                             | 95M001     | A           | 1      | B             | 1      | Active      |
| 97012TC                                                                                            | 97012TC    | N/A         | N/A    | N/A           | N/A    | Deactivated |
| 97013TC                                                                                            | 97013TC    | A           | 1      | B             | 1      | Active      |
| FBR2E                                                                                              | FBR-2-E    | A           | 1      | B             | 1      | Active      |
| Fish Creek Sandstone                                                                               |            |             |        |               |        |             |
| 91M001                                                                                             | 91M001     | S           | 2      | N/A           | N/A    | Active      |
| 91M004                                                                                             | 91M004     | S           | 0&     | N/A           | N/A    | Damaged     |
| ASHLEY                                                                                             | ASHLEY     | S           | 0^     | A             | 1+     | Active      |
| Notes                                                                                              |            |             |        |               |        |             |
| N/A – Not applicable                                                                               |            |             |        |               |        |             |
| S – Semi-annual, A – Annual, B - Biannual                                                          |            |             |        |               |        |             |
| Actual – number of monitoring events during report period                                          |            |             |        |               |        |             |
| Exceptions:                                                                                        |            |             |        |               |        |             |
| + - Field parameters measured in September 2023                                                    |            |             |        |               |        |             |
| ^ - Biannual sampling only. Field parameters only during report period.                            |            |             |        |               |        |             |
| d – Dry or too little water to sample, Example 1 <sup>d</sup> - Site was visited once and was dry. |            |             |        |               |        |             |
| ^- No water level could be taken at well due to limited access.                                    |            |             |        |               |        |             |
| &- Well damaged - No monitoring conducted.                                                         |            |             |        |               |        |             |

Hydrogeology:

TC's underground Wadge mining operation is located roughly 1600 feet beneath the surface of Twentymile Park Basin. This is an enclosed synclinal groundwater basin, rimmed by outcrops of major lithologic units. Groundwater in the Twentymile Park Basin exists primarily under confined conditions within the bedrock units. Bedrock aquifers in the general area are recharged by infiltration in outcrop areas, located primarily in the southern and western margins of the Twentymile Park Basin. Recharge is limited, due to the low annual precipitation and high moisture losses from evapotranspiration and sublimation in this semi-arid climatic zone. Groundwater occurrence and movement within the bedrock aquifer system is controlled by geologic structure and lithology. Groundwater movement tends to follow the structural dip of the lithologic units toward the basin axis. Within the permit area, bedrock groundwater generally flows to the north and northwest. This results in confined aquifer conditions down gradient from the outcrop area. A detailed discussion of the geology/hydrology for the site is available in the *Twentymile Coal Company, Foidel Creek Mine Permit C-82-056, Volume I, Rules 2.04.6 and 2.04.7.*

The Twentymile Park Basin is underlain by multiple large, high quality coal reserves. The reserves, mined by underground operations, are known as the Wadge Seam (Pre-2015) and the lower Wolf Creek Seam (Post 2015). The Wadge Seam lies within a sequence of sedimentary rocks characterized by shales, claystones, mudstones, siltstones, sandstones, and minor coal stringers referred to as the Wadge Overburden. The Wadge Overburden is hydrologically isolated from the two major bedrock aquifer units in the Twentymile Park Basin, the Twentymile Sandstone aquifer and the Trout Creek Sandstone aquifer, which lie above and below the Wadge Overburden, respectively. Lying above the Twentymile Sandstone is a minor aquifer unit, known as the Fish Creek Sandstone. All these geologic units are monitored within the Foidel Creek Mine permit area.

The Wadge Overburden is directly affected by the mining operation. Dewatering of this zone in the area of mine operations is currently being conducted. The Wadge Overburden sequence varies in thickness from 50 to 100 feet, averaging approximately 75 feet, and is characterized by low permeability (0.01 to 0.1 ft/day), limited continuity, low yield and relatively poor water quality.

Above the Wadge Overburden is the first major regional aquifer, known as the Twentymile Sandstone. The Twentymile Sandstone aquifer is confined above and below by low permeability shale and interbedded siltstone/shale units. The unit varies in thickness from 100 to 200 feet and is hydrologically isolated from the underlying Wadge Overburden sequence by a low permeability marine shale, which has a thickness of up to 700 feet. Approximately 125 feet above the Twentymile Sandstone is the 35-foot thick Fish Creek Sandstone. The Fish Creek Sandstone is a discontinuous minor unit in the area that was the contact for a small coal seam that had been surface mined.

Beneath the Wadge Overburden is a sequence of low permeability siltstones, shales, and coals, approximately 200 feet thick. This is followed by a fine-grained massive sandstone, approximately 250 feet thick, known as the Trout Creek Sandstone. The Trout Creek sandstone is the second major regional aquifer, which exists in the Twentymile Park Basin. There is very little hydrologic connection between the Trout Creek sandstone and the overlying Wadge Overburden.

The Wolf Creek Reserve (WCR) underlies the Wadge Seam. The WCR underlies portions of the EMD and NMD and is part of the same water-table groundwater system, so the associated effects of mining on groundwater in this area will be similar to those previously considered and evaluated for the EMD and NMD. In the proposed mine area, the Wolf Creek Seam is present at depths ranging from approximately 1,000 to 1,700 feet below the land surface. Approximately 150 feet of shale, claystone, siltstone and lenticular sandstone known as the Interburden unit separates the Wadge and Wolf Creek seams. Directly below the Wadge Seam in the planned mine area is a persistent and laterally continuous layer of material composed of clay-sized particles called underclay. Beneath this underclay is a zone of alternating thick shales, claystones, siltstones, and intermittent lenticular sandstones. The shales are generally continuous and the sandstones discontinuous. Near the base of this zone of alternating beds is the Wolf Creek Seam. Within the planned mine area, the Wolf Creek Seam splits into four distinct benches separated by rock partings. The combined total seam thickness ranges from 7.5 to 14 feet, and the coal seams are continuous within discrete mining areas. The WC1 Seam is the lowest of the benches, and ranges in thickness from 2 to 4 feet. The interburden between the WC1 and WC2 seams ranges from 0.5 to 1.5 feet. The WC2 Seam ranges from 2 to 5 feet. The WC1 and WC2 benches will be mined over the entire WCR area. The interburden between the WC2 and WC3 ranges from 0.5 to 10 feet, but will not be mined once its thickness is greater than 3 feet. The WC3 Seam ranges

from 2.5 to 4 feet. The interburden between WC3 and WC4 ranges from 0.5 feet to 4.5 feet, but will not be mined once its thickness is greater than 3 feet. The WC4 Seam ranges from 2 to 5 feet.

Table 3-1 presents a summary of bedrock well monitoring frequencies. Water level and field parameters, which include pH, temperature, and conductivity, are measured semiannually at the Wadge and Wolf Creek Overburden wells, the Twentymile Sandstone wells, and Fish Creek Sandstone wells and annually at the Trout Creek Sandstone wells. Note that water level only is measured at two of the three Fish Creek Sandstone wells. Water quality is sampled annually at all Wadge and Wolf Creek Overburden wells, at two of the Twentymile Sandstone wells, and one of the Fish Creek Sandstone wells and biannually at four of the Trout Creek Sandstone Wells. Water quality parameters include total dissolved solids (TDS), dissolved calcium, dissolved magnesium, dissolved sodium, bicarbonate, carbonate, sulfate, dissolved cadmium, dissolved lead, dissolved mercury, dissolved selenium, dissolved iron, dissolved manganese, dissolved molybdenum, nitrate and nitrite, and orthophosphorus. A discussion of the 2023 monitoring results by bedrock unit is provided below.

#### Wadge And Wolf Creek Overburden:

Seven Overburden wells (009-79-4, 006-82-74C, 91M006, 008-77-58, 93M001, WC008A, and WC013A) are currently monitored. Water quality samples are collected at least annually. Attachment 1 shows the bedrock well monitoring data for the Water Year, including water levels, hydrographs, water quality, water quality statistics, and graphs of TDS and field conductivity.

Water levels at wells WC008A and 006-82-74C are measured indirectly with pressure gauge. Water levels are above the surface level at both wells, and all historic water levels have been set to the surface elevation for both wells.

The potentiometric surface in the Wadge Overburden generally slopes from south to north in the vicinity of the TC facilities, as shown by water levels in wells 009-79-4, 006-82-74C, and 08-77-58. The water levels in well 009-79-4 remain fluctuating within the historic range and have been relatively stable. The water level at 006-82-74C remains above the surface. Water levels have rebounded at well 08-77-58.. The water level at 93M001 rose sharply in 2016 and has recently been rising slowly. Well 91M006 is currently damaged. TDS measured at the Wadge Overburden Wells in 2023 remain within historic ranges. TDS has been fluctuating in a small range at wells



009-79-4 (~570 mg/L), and stable at 008-77-58 (~980 mg/L), and 93M001 (~1120 mg/L), and has declined by approximately 2200 mg/L at 006-82-74C (~1500 mg/L) during this time.

The two Wolf Creek Overburden wells, WC008A and WC013A, were installed in the 2015 water year. Less groundwater is expected to be encountered during mining of the Wolf Creek Reserve, given the lengthy history of dewatering within the Wadge workings which overlie the Wolf Creek Reserve. The water levels at WC008A remain at the surface. However, the water level at WC013A has slowly declined from approximately 5540 ft in May 2015 to approximately 5510 ft in 2020 but has since rebounded to be well above the original water level. TDS have remained stable at both wells. TDS concentrations at WC008A (~1700 mg/L) and WC013A (~1100 mg/L) have recently been stable.

There were no anomalous water quality impacts attributable to mining were evident in data collected from Wadge Overburden wells during 2023, when compared to historical results.

#### Twentymile Sandstone:

TC normally monitors three wells screened within the Twentymile Sandstone. Well 006-BRDH-7 is monitored for water levels and field parameters only on a semi-annual basis and wells FBR-2, and 97013TM are monitored for water levels and field parameters on a semi-annual basis and water quality parameters on an annual basis. Wells 006-BRDH-7 and 97013TM are currently damaged and no water levels could be taken, but water levels were taken at FBR-2. Water quality samples were taken at 97013TM and FBR-2.

The potentiometric surface in the Twentymile Sandstone generally slopes from southwest to northeast. The water levels at well FBR-2 declined sharply in 2018 but have now rebounded. Field conductivity at 006-BRDH-7 exhibits a negative trend, with conductivity dropping from around 850  $\mu\text{mhos/cm}$  in 1987 to 550  $\mu\text{mhos/cm}$  in 2022. TDS at FBR-2 has also exhibited a generally negative trend since 2004, but rose a small amount during the 2022 and 2023 report periods, with the current TDS being measured as 1050 mg/L. The 720 mg/L TDS measured at 97013TM in 2023, a slight increase from 2022, remains near the historic range observed at the well.

#### Trout Creek Sandstone:

TC monitored five Trout Creek Sandstone wells in 2023: 001-83-106, 001-83-107, 95M001, FBR-2-E, and 97013TC. Note that per TR03-42, monitoring frequency for water levels and field parameters were reduced to an annual basis at all five wells and water quality sampling was reduced to bi-annual (every other year) at 001-83-106, 95M001, FBR-2-E, and 97013TC. Per TR03-42, Trout Creek Sandstone wells 008-75-EFC and 97012TC were deactivated. During the report period, the lone water level at well 001-83-107 appeared to be errantly marked as dry and the water level reading has been eliminated.

The potentiometric surface trends prevalent in the Twentymile Sandstone and Wadge Overburden aquifers are not evident in the Trout Creek Sandstone. Previously monitored well 006-83-48C, located in the south-central portion of the permit, routinely exhibited water levels in the 7100 ft elevation range suggesting the potentiometric surface was mounded in this area. Well 006-83-48C was mined through in 1993 and was subsequently replaced by well FCM#2. The water level measured at well FCM#2 was approximately 6500 ft. Due to concerns related to FCM#2 well construction, the mine installed well 95M001 into the Trout Creek Sandstone in the fall of 1995. Water levels measured at well 95M001 confirmed that the levels recorded in well FCM #2 were accurate. Mining in the northern mining district, which is down dip of this well, began in 1995. The water level in well 95M001 has continued to decline but the rate of decline has lessened since 2019. This decline may be influenced by the underground mining operation however significant inflows from the Trout Creek Sandstone into the mine workings have not been encountered to date.

The water levels in the Trout Creek Sandstone have also been impacted by the mines potable supply well 001-83-106. Drawdowns, partially associated with the use of the supply well, have also been observed in adjacent well 001-83-107. The mines use of potable well 001-83-106 has declined over the last couple of years. Well 001-83-106 was dry, but the water level has rebounded. Water levels at 001-83-107 have been stable since the 2000's. Declines in water level observed in the late 1980's into the 1990s reflect effects from longwall mining that began in the western mining district in 1990.

Well FBR-2-E, located along the eastern permit boundary has exhibited fluctuating water levels recently. The water level dropped by about 15 feet to approximately 6650 ft in 2019. In 2022 and , water levels have rebounded to previous trends. FBR-2-E is near the current mining area which could be the reason for the decline in the water level although the specific reason for these drops

were not apparent. Many historical boreholes have indicated faulting exists in this area. The water level measured in Well 97013TC has recently been declining rapidly with slight periodic rebounds.

Field conductivity at well 97013TC has fluctuating widely over time, but TDS has been relatively consisted, with the 2023 level at about 700 mg/L. At 95M001, TDS and field conductivity have been fluctuating and the current levels are within the historic range. At FBR-2-E, except for a TDS result in 2020, the TDS and conductivity have fallen and have a relatively consistent level since 2017.

#### Fish Creek Sandstone:

Two Fish Creek Sandstone wells (91M001 and 91M004) require monitoring on a semiannual basis for water level only. An additional well, Ashley, requires semi-annual monitoring for water levels and field parameters, and annual water quality sampling. The water level at Ashley could not be monitored during the report due to access issues. 91M004 was dry 2012 through 2015 and in 2017 through 2018. Well 91M004 was destroyed in 2019 due to snow removal efforts by Yampa Valley Electric to repair a power line. TC will discuss this situation with DRMS. The water levels at 91M001 have recently been stable.

The TDS at the Ashley well was 628 mg/L in 2022. TDS at Ashley rose during the previous three report periods, but fell during the 2023 report period, TDS remains above the baseline level at Ashley. The cause of the variation is unknown but may be related to precipitation.

### 3.2 Alluvial Groundwater Monitoring

Table 3-2 shows the bedrock monitoring sites, monitoring requirement, and actual monitoring frequencies. Report period data for 2023, including hydrographs, water quality statistics, and graphs of Laboratory TDS and Field Conductivity are included in Attachment 2.

Table 3-2: Alluvial Groundwater Monitoring Program

| <u>EQUIS Site</u><br><u>Name</u> | <u>Site Name</u> | <u>Frequency</u> |        |               |        | Status      |
|----------------------------------|------------------|------------------|--------|---------------|--------|-------------|
|                                  |                  | Water Level      |        | Water Quality |        |             |
|                                  |                  | Permit           | Actual | Permit        | Actual |             |
| Foidel Creek                     |                  |                  |        |               |        |             |
| 09S10                            | 009-S-10         | Q                | 4      | S             | 2+     | Active      |
| 01S5                             | 001-S-5          | Q                | 4      | S             | 2+     | Active      |
| 08AV2                            | 008-AV-2         | Q                | 4      | S             | 2+     | Active      |
| 08AV1                            | 008-AV-1         | Q                | 4      | N/A           | 4^     | Active      |
| FO1                              | FO-1             | N/A              | N/A    | N/A           | N/A    | Abandoned   |
| FO2                              | FO-2             | N/A              | N/A    | N/A           | N/A    | Abandoned   |
| Twentymile Sandstone             |                  |                  |        |               |        |             |
| 06AY1                            | <u>006-AY-1</u>  | Q                | 4      | S             | 2+     | Active      |
| 06AZ3                            | 006-AZ-3         | Q                | 0&     | S             | 0&     | Damaged     |
| 06AW2                            | 006-AW-2         | N/A              | N/A    | N/A           | N/A    | Abandoned   |
| 08AU3                            | 008-AU-3         | Q                | 4      | S             | 2+     | Active      |
| 08AW3                            | 008-AW-3         | Q                | 4      | S             | 2+     | Active      |
| AVF13                            | AVF-13           | Q                | 4      | S             | 2+     | Active      |
| AVF14                            | AVF-14           | Q                | 4      | S             | 1/2^   | Active      |
| AVF15                            | AVF-15           | Q                | 4      | S             | 2      | Active      |
| Trout Creek                      |                  |                  |        |               |        |             |
| 08AT1                            | 008-AT-1         | Q                | 4      | S             | 2+     | Active      |
| JONES                            | Well Jones       | N/A              | N/A    | N/A           | N/A    | Deactivated |
| Middle Creek                     |                  |                  |        |               |        |             |
| AVM1                             | AVM-1            | N/A              | N/A    | N/A           | N/A    | Abandoned   |
| AVM2                             | AVM-2            | N/A              | N/A    | N/A           | N/A    | Abandoned   |

Table 3-2: Alluvial Groundwater Monitoring Program

| <u>EQUIS Site</u><br><u>Name</u>                                                                                                                                                                                                                                                                                                                                                                       | <u>Site Name</u> | <u>Frequency</u> |        |               |        | Status |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|------------------|--------|---------------|--------|--------|
|                                                                                                                                                                                                                                                                                                                                                                                                        |                  | Water Level      |        | Water Quality |        |        |
|                                                                                                                                                                                                                                                                                                                                                                                                        |                  | Permit           | Actual | Permit        | Actual |        |
| Notes<br>N/A – Not applicable<br><br>S – Semi-annual, A – Annual, B - Biannual<br>Actual – number of monitoring events during report period<br>Exceptions:<br>+ - Field parameters taken in two additional quarters.<br>^ - Field parameters only<br>d – Dry or too little water to sample, Example 1 <sup>d</sup> - Site was visited once and was dry.<br>& - Damaged well – No monitoring conducted. |                  |                  |        |               |        |        |

Alluvial wells are monitored quarterly for water level and field parameters and semiannually for water quality parameters (except the Jones well which is monitored annually). Field parameters include pH, temperature, and conductivity. Water quality parameters include TDS, dissolved calcium, dissolved magnesium, dissolved sodium, bicarbonate, carbonate, sulfate, dissolved cadmium, dissolved lead, dissolved mercury, dissolved selenium, dissolved iron, dissolved manganese, dissolved molybdenum, nitrate and nitrite, ammonia and orthophosphorus.

Alluvial groundwater in the Twentymile Park Basin exists under unconfined conditions within the alluvial materials underlying the major surface drainages of the area and backfilled areas of adjacent surface mined areas. Stream flows are the primary source of recharge to the alluvial aquifers. Alluvial deposition is limited in areas where stream gradients are relatively steep and in areas where the stream channel has eroded to or intersects resistant bedrock. Consequently, the alluvial deposits do not tend to be continuous. Shallow wells completed in these deposits indicate that they are usually less than 20 feet thick and the depth to groundwater is typically less than 10 feet. The limited extent of the Foidel Creek alluvial deposits, and the lack of base flow in the creek indicates that these deposits are relatively insignificant to the areas groundwater hydrologic system.

Alluvial deposits containing groundwater are monitored in the Foidel Creek, Fish Creek, Trout Creek and Middle Creek drainages. In the Foidel Creek drainage, sites both upstream and downstream of the TC portals and support facilities are monitored. In the Fish Creek Drainage,

sites upstream and downstream of the Mine 2 area and the Fish Creek Borehole dewatering facility are monitored.

#### Foidel Creek Alluvial Groundwater:

There are four Foidel Creek alluvial wells, 009-S-10, 001-S-5, 008-AV-1, and 008-AV-2. Water levels at the four Foidel Creek alluvial wells in 2023 remained within established ranges and typical seasonal fluctuations, with elevated water levels occurring in the spring in response to recharge from the snowmelt season. The water level at 008-AV-1 dropped sharply in recent years due to relatively low precipitation, but has since rebounded.

Conductivity and TDS at wells 001-S-5 and 009-S-10 have generally slowly increased, with seasonal fluctuation since monitoring was initiated. However, conductivity and TDS at 001-S-5, 008-AV-1, and 008-AV-2 have declined or remained stable. TDS concentrations at point of compliance well 008-AV-2 have continued to decline since the early 2000's and meets the agricultural use groundwater quality standard.

#### Fish Creek Alluvial Groundwater:

Seven Fish Creek alluvial wells are monitored. Monitoring wells 006-AY-1, 006-AZ-3, 008-AU-3 and 008-AW-3 have been monitored since the 1980's. Wells AVF-13, AVF-14, and AVF-15 were installed in the early 2000's per PR99-05. Water levels at the Fish Creek alluvial wells in recent years have remained consistent within the historic ranges and showed typical seasonal variability, with elevated water levels occurring in the spring in response to recharge from the snowmelt season. The water levels at 008-AU-3 have been low, but fluctuating, due to relatively low precipitation. AVF-15 was dry at the end of the 2023 report period, but has periodically rebounded.

Conductivity measured at all Fish Creek wells in 2023 was within the historic range with a slow rise shown at 006-AZ-3. TDS measured at point of compliance well 008-AU-3, with results of 604 and 672 mg/L, met the agricultural use groundwater standard. At well 006-AY-1, TDS and conductivity are low relative to baseline results for the well with results of 320 and 490 mg/L during 2022 report period.

In late 2016 someone destroyed well 006-AZ-3, possibly by mistake, as other historic alluvial wells that are not monitored were also removed.

Note that localized mining subsidence along Fish Creek occurred in the area of well AVF-15 during the summer of 2004. The general location area of AVF-15 was subsequently permanently ponded. Per the mines subsidence plan, alluvial well 008-AU3 replaced AVF-15 as the downstream monitoring well until 2014 when AVF-15 was replaced in the same general vicinity.

#### Trout Creek Alluvial Groundwater:

Two Trout Creek alluvial monitoring wells, 008-AT-1, and a privately owned well (Jones well) are monitored. Well 008-AT-1 was destroyed sometime in 2013 and subsequently replaced in 2014. The water levels in the replaced well are about 3 feet higher than historical, which may relate to the proximity of the new well to Trout Creek. Both the water levels and conductivity measured in 2023 fall within the historic range, but the last measurement during the period, with a TDS result of 512 mg/L, was at the low end of the range. As discussed in Section 3.2.1, the iron concentrations have recently been elevated at 008-AT-1. Note that the Jones well has historically been monitored to access potential mine impacts to their potable water well. In the fall of 2008, TC provided the Jones family with underground water storage tanks, a new plumbing system, and imported water, so that they could discontinue use of the well. At that time, the old plumbing system to the Jones well was decommissioned eliminating alluvial water sampling access and the Jones well was not monitored during the report period. In 2019 TC supplied Jones with a deep fresh water well and a filtration system in place of long-term haulage of potable water. TC will discuss this situation with DRMS.

#### Middle Creek Alluvial Groundwater:

TC has no active Middle Creek alluvial wells. In 1996, two Middle Creek alluvial wells (AVM-1 and AVM-2) were incorporated into the monitoring network however, per TR03-42, these wells were abandoned in the Fall of 2003. Refer to previous AHRs for earlier data.

#### 3.2.1 Points of Compliance

Rule 4.05.13(1)(b) requires formal establishment of groundwater points of compliance for coal operation which has the potential for negatively impacting the quality of groundwater for which quality standards have been established by the Colorado Water Quality Control Commission. The Commission's Rule 41 sets forth Basic Standards for groundwater. These Standards are applicable to groundwater at the Foidel Creek Mine. In the judgment of DRMS, these Standards are applicable to groundwater at the Foidel Creek Mine, however it is also the judgment of DRMS,

the Foidel Creek Mine does not have the potential to negatively impact bedrock aquifers due to the nature of the geology (i.e. synclinal basin) found at the mine's location.

Wells 008-AV-2 (Foidel Creek alluvium), 008-AU-3 (Fish Creek alluvium), and well 008-AT-1 (Trout Creek alluvium) will satisfy the requirements for alluvial groundwater points of compliance.

Water quality at these three wells were within the agricultural use groundwater standards for all parameters except for a single sample for iron at 008-AT-1. During the 2020 report period, the sample from 008-AT-1 collected on 8/30/20 had a dissolved iron concentration of 5.55 mg/L, and it was thought that the filter ruptured allowing solids typically removed during the required sample filtration to influence the analysis. The sample collected in May 2020 indicated the dissolved iron was 1.36 mg/L, which is more characteristic of the iron concentration at this well, and within the agricultural use groundwater standard. The two dissolved iron results from the 2021 report period showed concentrations of 17.2 and 35.8 mg/L, the two results from the 2022 report period were 23.0 and 8.7 mg/L, and the two results from the 2023 report period were 3.30 and 7.19 mg/L. The statistics report shows these are not the highest dissolved iron results for the well. AVF-15 had a iron concentration of 17.7 mg/L in September 2023, which is the highest recorded at the well. The June 2023 iron concentration was 5.4 mg/L. The maximum iron concentration historically at AVF-15 is 10 mg/L, while the long-term average is 2.8 mg/L. We will continue to monitor the iron levels at AVF-15.

Although dissolved manganese at all three wells exceeded the base agricultural use standard of 0.2 mg/L, it's important to acknowledge that CWCC Regulation 41 specifies that this standard is only applicable to irrigation water applied to soils with pH values lower than 6.0. For alkaline soils, as are found in the area, a more appropriate standard would be 10 mg/L (EPA, 1976). Therefore, none of the manganese results above 0.2 mg/L are considered exceedances of the standard.

### 3.3 Surface Water Monitoring

#### Monitoring / Sampling Requirements:

Stream points have been established within Foidel Creek, Fish Creek, Trout Creek, and Middle Creek (see Figure 2). Table 3-3A through 3-3C presents the varying frequencies of water level/field parameter and water quality monitoring required at each point during the three seasonal



monitoring periods (i.e. October to February, March to May, and June to September), each of which are further divided into two general categories of sampling frequency: 1) “Regular” monitoring, and 2) “Contingent” monitoring that is conducted only when there is a discharge from underground mine pumping at surface discharge sites 109 and/or 115, neither of which discharged in 2022. Field parameters monitored as part of the “Regular” monitoring include temperature, pH, and conductivity. Water quality parameters analyzed for “Regular” monitoring include TDS, total suspended solids (TSS), sodium adsorption ratio, dissolved calcium, dissolved magnesium, dissolved sodium, bicarbonate, carbonate, sulfate, total recoverable cadmium, total recoverable mercury, total recoverable selenium, total recoverable silver, total recoverable iron, total recoverable manganese, total recoverable molybdenum, total recoverable zinc, nitrate and nitrite, ammonia, and orthophosphorus.

Report period data for 2023, including flow data, graphs of period of record flow, water quality statistics, and Laboratory TDS and Field Conductivity are included in Attachment 3.

Table 3-3A: March Through May Surface Water Monitoring Program

| EQUIS Site Name | Site Name     | Frequency                        |                | Water Level and Field EC | Lab Sulfate and Lab EC |
|-----------------|---------------|----------------------------------|----------------|--------------------------|------------------------|
|                 |               | Water Level and Field Parameters | Water Quality* |                          |                        |
| Foidel Creek    |               |                                  |                |                          |                        |
| 800             | USGS 09243800 | Sched. A                         | March          | N/A                      | N/A                    |
| 8               | 8             | Sched. A                         | March          | N/A                      | N/A                    |
| 14              | 14            | Sched. A                         | March          | N/A                      | N/A                    |
| 900             | USGS 09243900 | Sched. A                         | March          | N/A                      | N/A                    |
| Fish Creek      |               |                                  |                |                          |                        |
| 16A             | 16A           | Sched. A                         | March          | W                        | N/A                    |
| 302             | 302           | N/A                              | N/A            | N/A                      | N/A                    |
| 27A             | 27A           | Sched. A                         | March          | N/A                      | N/A                    |
| 1003            | 1003          | Sched. A                         | March          | W                        | M                      |
| SW13            | SW-13         | Q-F, S-Q                         | S              | N/A                      | N/A                    |
| SW14            | SW-14         | Q-F, S-Q                         | S              | N/A                      | N/A                    |
| SW15            | SW-15         | Q-F, S-Q                         | S              | N/A                      | N/A                    |
| 305             | 305           | Q-F, S-Q                         | N/A            | N/A                      | N/A                    |
| 307             | 307           | Q-F, S-Q                         | N/A            | N/A                      | N/A                    |
| Trout Creek     |               |                                  |                |                          |                        |
| 301             | 301           | M                                | March          | W                        | M                      |
| 69              | 69            | M                                | March          | W                        | M                      |
| 1005            | 1005          | M                                | March          | W                        | M                      |
| Middle Creek    |               |                                  |                |                          |                        |
| 29              | 29            | Sched. A                         | March          | W                        | M                      |

Table 3-3B: June through September Surface Water Monitoring Program

| EQUIS Site Name | Site Name     | Frequency                        |                | Water Level and Field EC | Lab Sulfate and Lab EC |
|-----------------|---------------|----------------------------------|----------------|--------------------------|------------------------|
|                 |               | Water Level and Field Parameters | Water Quality* |                          |                        |
| Foidel Creek    |               |                                  |                |                          |                        |
| 800             | USGS 09243800 | Sched. B                         | M exc.July     | N/A                      | N/A                    |
| 8               | 8             | Sched. B                         | M exc. July    | N/A                      | N/A                    |
| 14              | 14            | Sched. B                         | M exc. July    | N/A                      | N/A                    |
| 900             | USGS 09243900 | Sched. B                         | M exc. July    | N/A                      | N/A                    |
| Fish Creek      |               |                                  |                |                          |                        |
| 16A             | 16A           | Sched. B                         | M exc. July    | W                        | N/A                    |
| 302             | 302           | Sched. B                         | Q              | N/A                      | N/A                    |
| 27A             | 27A           | Sched. B                         | M exc. July    | N/A                      | N/A                    |
| 1003            | 1003          | Sched. B                         | M exc. July    | W                        | M                      |
| SW13            | SW-13         | Q-F, S-Q                         | S              | N/A                      | N/A                    |
| SW14            | SW-14         | Q-F, S-Q                         | S              | N/A                      | N/A                    |
| SW15            | SW-15         | Q-F, S-Q                         | S              | N/A                      | N/A                    |
| 305             | 305           | Q-F, S-Q                         | N/A            | N/A                      | N/A                    |
| 307             | 307           | Q-F, S-Q                         | N/A            | N/A                      | N/A                    |
| Trout Creek     |               |                                  |                |                          |                        |
| 301             | 301           | M                                | M              | W                        | M                      |
| 69              | 69            | M                                | M              | W                        | M                      |
| 1005            | 1005          | M                                | M              | W (EC Only)              | M                      |
| Middle Creek    |               |                                  |                |                          |                        |

Table 3-3A: March Through May Surface Water Monitoring Program

| EQUIS Site Name | Site Name | <u>Frequency</u>                 |                | Water Level and Field EC | Lab Sulfate and Lab EC |
|-----------------|-----------|----------------------------------|----------------|--------------------------|------------------------|
|                 |           | Water Level and Field Parameters | Water Quality* |                          |                        |
| 29              | 29        | Sched. B                         | M exc. July    | W                        | M                      |

Table 3-3C: October through February Surface Water Monitoring Program

| EQUIS Site Name | Site Name     | Frequency                        |                | Water Level and Field EC | Lab Sulfate and Lab EC |
|-----------------|---------------|----------------------------------|----------------|--------------------------|------------------------|
|                 |               | Water Level and Field Parameters | Water Quality* |                          |                        |
| Foidel Creek    |               |                                  |                |                          |                        |
| 800             | USGS 09243800 | N/A                              | N/A            | N/A                      | N/A                    |
| 8               | 8             | N/A                              | N/A            | N/A                      | N/A                    |
| 14              | 14            | N/A                              | N/A            | N/A                      | N/A                    |
| 900             | USGS 09243900 | N/A                              | N/A            | N/A                      | N/A                    |
| Fish Creek      |               |                                  |                |                          |                        |
| 16A             | 16A           | N/A                              | N/A            | W                        | N/A                    |
| 302             | 302           | N/A                              | N/A            | N/A                      | N/A                    |
| 27A             | 27A           | N/A                              | N/A            | N/A                      | N/A                    |
| 1003            | 1003          | N/A                              | N/A            | W                        | M                      |
| SW13            | SW-13         | Q-F, S-Q                         | S              | N/A                      | N/A                    |
| SW14            | SW-14         | Q-F, S-Q                         | S              | N/A                      | N/A                    |
| SW15            | SW-15         | Q-F, S-Q                         | S              | N/A                      | N/A                    |
| 305             | 305           | N/A                              | N/A            | N/A                      | N/A                    |
| 307             | 307           | N/A                              | N/A            | N/A                      | N/A                    |
| Trout Creek     |               |                                  |                |                          |                        |
| 301             | 301           | N/A                              | N/A            | W                        | M                      |
| 69              | 69            | N/A                              | N/A            | W                        | M                      |
| 1005            | 1005          | N/A                              | N/A            | W                        | M                      |
| Middle Creek    |               |                                  |                |                          |                        |
| 29              | 29            | N/A                              | N/A            | W                        | M                      |

Table D3-3D: Footnotes for Tables 3A through 3C

## Notes

N/A – Not applicable

M – Monthly, S – Semi-annual, A – Annual, B – Biannual

Q-F, S-Q – Quarterly – Flow Only; Field Quality – Semi-Annually

Schedule A – (March-Monthly; April 2 times during month; May – Monthly)

If site is frozen, March sample may be taken in April

Schedule B – (June-Monthly; July-Monthly; August-Weekly; September-First Two Weeks of Month)

Actual – number of monitoring events during report period

## Exceptions:

+ - Field parameters taken in two additional quarters.

<sup>d</sup> – Dry or too little water to sample, Example 1<sup>d</sup>- Site was visited once and was dry.

### Stream Gaging

Accurately monitoring flow at stream sites can be difficult due to continual damage to gage stations by cows, horses, flooding, and various weather effects. Stations require repair on a regular basis. TC attempts to make repairs as soon as possible. Continuing erosion of stream channel banks impact accurate flow calculations. In the summer of 2007, TC hired consultants (Rivers Unlimited, Inc. of Steamboat Springs) to assist with re-evaluating key stream bed locations, including rating curves for ongoing stream gauging. This study continued into the spring 2017 but due to costly expenditures TC resorted to performing stream gaging with in house staff for the remainder of 2017 and will continue for the foreseeable future.

In 2012, four protective enclosures were constructed by Rivers Unlimited at historic flow meter recorder locations. New recorders were installed and activated in May of 2012 at these sites. The meter locations include sites 16A, downstream of 8, 1003, and site 69. Additional gage station protective steel enclosures were constructed in 2015 at several monitoring sites. Four new flow meters were installed at these sites in 2016, these included sites 900, 29, 1005 and 301. These meter locations are currently not in use due to the costly up-keep and calibration needed for them to properly function.

Although precipitation during the 2023 report period was near normal, the mine area remained in an abnormally dry condition at the end of the report period according to the Colorado Climate Center at Colorado State University.

### Foidel Creek:

Four monitoring sites are located within Foidel Creek. Site 800 and site 14 are located upstream of the portal, site 8 is located downstream of the TC portal and surface facilities, and site 900 is located further downstream above the confluence with Middle Creek. Former site 304 was eliminated in 2003 per TR03-42.

Typical flow patterns were exhibited at these sites in 2023 with spring runoff accounting for the peak flows. Flow appeared to be moderately high during 2023 compared with prior years. An inverse relationship between flow and field conductivity continues to be evident at each of these sites. The water quality in 2023 remained within the historic ranges observed at these points.

Fish Creek:

Nine monitoring sites are located within Fish Creek. Site 16A replaced site 16 in 2001 and is located upstream of the Fish Creek Borehole discharge site 115. Historical data for site 16 may be found in previous AHRs. Site 307 is located approximately one mile downstream of the Fish Creek Borehole mine dewatering site. Site 302 is located approximately two miles downstream of the Fish Creek Borehole mine dewatering site. Site 305 is located upstream of the Fish Creek Tipple. Site 27A is located immediately upstream of the Fish Creek Tipple discharge (a.k.a. CDPS discharge site 62). Site 1003 is located downstream of Fish Creek Tipple site 62.

Three relatively new surface sites were added in conjunction with the new Fish Creek Alluvium well sites (AVF-13, AVF-14, and AVF-15), in order to evaluate potential subsidence impacts in the area. These are surface sites SW-13, SW-14 (both added in August 2001), and SW-15 (added in June 2002). These sites require quarterly water level measurements (March through September), and semi-annual field parameters and water quality sampling.

As with the Foidel Creek sites, typical flow patterns were exhibited at these sites with spring runoff periods accounting for the peak flows observed. The 2023 water quality parameters for these sites were generally within previously established ranges. The TDS and conductivity at Sites 1003, 27A, 305, SW13, SW14, SW15 fluctuate seasonally with an inverse relationship between flow and field conductivity evident. TDS and conductivity have recently been quite consistent and relatively low at Site 302.

Trout Creek:

Three monitoring sites have been established on Trout Creek. Site 301 is located on Trout Creek above the confluence with Middle Creek. Site 69 is located on Trout Creek below the confluence with Middle Creek. Site 1005 (established in 1994) is located downstream of the confluence with Fish Creek and is monitored in conjunction with alluvial well 008-AT-1.

Typical seasonal flow patterns were observed with flow generally moderately high relative to historic flow for the sites. Water quality parameters for these sites are typically within previously established ranges and a seasonal pattern is also seen in the TDS and conductivity results in 2023 and historically.



### Middle Creek:

Site 29 is the only Middle Creek site monitored. Flow during the report period was high compared to previous years. The water quality results for Site 29 were within historical ranges for the site with TDS results ranging from 1040 to 1550 mg/L for 2023.

### 3.4 Spoil Spring Monitoring

Generally, groundwater migrates along bedding planes, faults, joints, or fracture zones. Given adequate head pressure, if these zones of water migration intercept the surface, a spring or seep results. The TC spoil spring monitoring program was initiated in 1986 and is conducted annually. In accordance with the approved plan, the annual mine wide survey is conducted during May, with springs measured for flow and field parameters. If a spring is discharging at or above 35 gallons per minute, it is monitored for the next year in accordance with the monitoring plan. A few samples are typically collected each year even when the 35 GPM mark is not met. Two spoil spring sites, 7 (Twentymile Pit Pond) and 303 (in Fish Creek Tipple area), require monitoring under Exhibit 14-10. Site 7 is more properly termed a mine water discharge point and is discussed in Section 3.5.

The 303 spring series (303-1 through 303-3) is monitored semi-annually for field parameters and water quality. Field parameters include flow, temperature, pH, and conductivity. Water quality parameters include TDS, TSS, dissolved calcium, dissolved magnesium, dissolved sodium, bicarbonate, carbonate, sulfate, total recoverable cadmium, total recoverable mercury, total recoverable selenium, total recoverable silver, total recoverable iron, total recoverable manganese, total recoverable molybdenum, total recoverable zinc, nitrate and nitrite, ammonia, and orthophosphorus.

In 2023, site 303-1 was sampled on September 13th. The flow was also checked on June 1<sup>st</sup>. Spring points 303-2 and 303-3 remained dry in 2023. These points stopped flowing in 2012 after the Fish Creek Tipple area was reclaimed.

Table 3-4 shows the number of samples collected at each spoil spring site during the 2023 report period. Report period data including flow data, water quality statistics, and graphs of Laboratory TDS and Field Conductivity are included in Attachment 4. The conductivity and TDS at 303-1 have been fluctuating within a small range historically.

Table 3-4: Spoil Spring Water Quality Monitoring During Report Period

| EQUIS Site Name | Site Name | Water Quality Frequency |
|-----------------|-----------|-------------------------|
| 3031            | 303-1     | 1                       |
| 3032            | 303-2     | 0                       |
| 3033            | 393-3     | 0                       |

### 3.5 Natural Spring Monitoring

As shown on Table 3-5, Two natural springs, SW-1 and SW2, located over previously mined areas in the Southwest Mining District, typically require semiannual monitoring. Prior to mining, SW-1 typically flowed throughout the year, while SW2 flows were sporadic. In recent years flows at SW-1 have been minor, and in the case of SW-2, non-existent. The natural springs are monitored for field parameters, which include flow, temperature, pH, and conductivity, as well as TDS, TSS, dissolved calcium, dissolved magnesium, dissolved sodium, bicarbonate, carbonate, sulfate, total recoverable cadmium, total recoverable mercury, total recoverable selenium, total recoverable silver, total recoverable iron, total recoverable manganese, total recoverable molybdenum, total recoverable zinc, nitrate and nitrite, ammonia, and orthophosphorus. No flow was observed at SW-1 and SW-2 during the report period.

Table 3-5: Natural Spring Water Quality Monitoring During Report Period

| EQUIS Site Name | Site Name | Water Quality Frequency |
|-----------------|-----------|-------------------------|
| SW1             | SW-1      | 0                       |
| SW2             | SW-2      | 0                       |

In April 2016, a spring and seep survey was also conducted in the northern mining district to identify potential discharges to Fish Creek. No new or significant springs were identified in 2016. The northern mining district is located within the Twentymile Park Syncline. The predominant lithologic unit nearest the surface and occupying most of the basin is the Lewis Shale, which can be upwards of 700 feet thick. The lack of significant bedding planes, faulting, or fracture zones in this area may account for the lack of springs in the central portion of this basin.

### 3.6 CDPS Discharge Sites

Under State of Colorado Department of Public Health and Environment (CDPHE), Colorado Discharge Permit System (CDPS) permit No.'s CO-0027154, CO-0036684, CO-0042161, COG-

850051 and COG-850054 eleven discharge points are monitored throughout the year. Note that CDPS has also been referred to as the National Pollutant Discharge Elimination System (NPDES) in previous AHRs. Monitoring results (CDPHE Colorado Discharge Monitoring Reports, or DMRs) are copied to DRMS in accordance with CDPS requirements. The monitoring frequencies and analytes required to be analyzed vary by outfall and permit number. Attachment 6 shows the CDPS water quality data for the report period.

The sites monitored are Site 115 (Fish Creek Borehole, Outfall 001, Permit CO-0042161), Site 300E (Domestic Waste Discharge, Outfall 002, Permit CO-0042161), Site 55 (Pond G, Outfall 008, Permit CO-0027154), Site 62 (Fish Creek Tipple, Outfall 001, Permit CO-0036684), Site 63 (Pond B, Outfall 003A, Permit CO-0027154), Site 80 (Pond T, Outfall 002, Permit CO-0027154), Site 82 (Pond C, Outfall 004, Permit CO-0027154), Site 84 (Pond D, Outfall 005, Permit CO-0027154), Site 85 (Pond E, Outfall 006, Permit CO-0027154), Site 87 (Pond F, Outfall 007, Permit CO-0027154)

During the 2023 water year there were two exceedances of the CPDS permits associated with Foidel Creek Operations. All exceedances were reported to the Colorado Department of Public Health and Environment as required. The first exceedance was in November 2022 at site 62 under the Fish Creek Tipple CDPS permit. The parameter exceeded was Total Recoverable Iron, 30 Day Average, with a value of 2,678 mg/L where the limit is 1,000 mg/L. This exceedance was considered an anomaly with the sample values before and after the exceeding sample event well below the limits. The second exceedance was in April 2023, at site 300E, for a Max pH value of 9.0 where the limit is 8.5. This site only discharged for two weeks during the month of April due to snow and ice melt from in and around the ponds. This site is the outfall for the sewage lagoons and has rarely flowed over the last few years which causes longer than designed retention times and high concentrations of bacteria that lead to algae blooms that in return raise the pH. This is an ongoing battle that is directly related to the fluctuations of employee numbers at the mine site. In the spring months after the snow and ice melt off, the ponds are treated with Aqua Shade to help reduce the severity of the algae. CDPHE has also approved the use of Alum (Aluminum Sulfate) to help settle out the solids that result from the Algae bloom and lower the pH. No other exceedances were recorded during the report period.

### 3.7 Mine Water Discharge Sites

There are three mine water discharge monitoring sites associated with the TC operation. Attachment 6 shows the water quality results during the report period. Site 109 (Foidel Creek Mine surface facilities) requires quarterly monitoring for flows, field parameters, and water quality samples (when flowing). Site 109 has not discharged in about 20 years and will not be discharging in the conceivable future. Site 115 (Fish Creek Borehole) is monitored as a CDPS discharge point in accordance with the requirements set forth under CDPS Permit No. CO-0042161. Site 7 (Area #1 Pit) receives dewatering water from wells located in the New West Mining District (NWMD) and the 10RT well located in the old Eastern Mining District (EMD). The Pit supplies water to the wash plant, however if it overflows, it runs through site 7 to Pond D, and subsequently through Site 84 (CDPS Outfall 005) to Foidel Creek. Site 7 requires quarterly analyses when flowing per DRMS Permit No. C-82-056. Outfall 005 requires weekly, twice monthly, monthly, and quarterly water quality sampling when flowing, under CDPS Permit CO-0027154. There were no exceedances of the CDPS permit limits at Outfall 005A during these quarters. There was no discharge at Site 7 during the 2023 report period.

### 4.0 SUMMARY AND CONCLUSIONS

No significant hydrology impacts, attributable to activities at the Foidel Creek Mine, were noted during 2023. See discussion below, summarizing data assessments.

#### Groundwater:

Water levels monitored in the Twentymile Wadge Overburden wells remained stable and comparable to previously collected data, and no significant water quality influences were evident from data obtained during 2023.

Twentymile Sandstone wells remained stable and comparable to previously collected data, and no significant water quality influences were evident from data obtained during 2023. The mines use of potable supply well 001-83-106 has declined over the last couple of years and the water table in the Trout Creek Sandstone in this area has begun to return. Well monitoring at 95M001 indicated a continuing decline in water levels which began in 1997 and appears to be stabilizing. No significant inflows from the Trout Creek formation into the mine workings have been encountered to explain this difference in water level or to suggest that dewatering of the formation is directly attributable to mining activities. No readily apparent water quality impacts associated

with mining are noted for the Trout Creek Sandstone aquifer based upon data collected during the 2023 report period.

Mining related dewatering impacts were previously noted for the Fish Creek sandstone wells 91M001 and 91M004, and the Ashley well. Wells 91M001 and 91M004 were undermined in 1995 and exhibited historic water level declines corresponding to mining activity. Water levels in these wells have subsequently stabilized, exhibiting only seasonal fluctuations. Two natural springs (SW-1 and SW-2) are monitored in the same vicinity as 91M001 and 91M004, although neither SW-1 nor SW-2 flowed during the 2023 report period. The Ashley well was undermined in 1999 and exhibited water level declines corresponding to mining activity. A water level could not be collected at the Ashley well during the 2023 report period due to the well being enclosed and sealed for the use of the residents .

No unusual observations are noted with respect to Foidel Creek, Fish Creek, or Trout Creek alluvium groundwater levels. Water quality at the proposed point of compliance wells (008-AV-2, 008-AU-3, 008-AT-1) generally meet the agricultural use groundwater standards. The iron exceedances at well 008-AT-1 will be observed in the future. See Section 3.2 for additional discussion. Due to the above average snowpack during the winter of 2022 and 2023, water elevations and quality rose due to increased runoff.

#### Surface Water:

Typical flow patterns were seen in Foidel Creek, Fish Creek, Middle Creek and Trout Creek in 2023, with spring runoff accounting for the peak flows. TC is still working to develop stream rating curves for the surface monitoring locations. No new flow meters were installed in 2023. TC implemented in house staff for stream gaging during 2017.

Both Middle Creek site 29 and Foidel Creek site 900, upstream of point 29, had elevated field conductivities and TDS concentrations during the 2021 report period, but these high concentrations declined in the 2023 report period. It is unclear what caused this elevated reading. See Section 3.3 for additional discussion. Water quality at the other stream monitoring points was typically within the historic range observed at each of the sites and no other water quality impacts of concern were evident at the stream points during the 2023 report period.

Spoil Springs:

Spoil spring 303-1 (303 series). The 2012 reclamation at the Fish Creek Tipple, resulted in the loss of two smaller associated springs in the 303 series (303-2 and 303-3). Site 303-1 did not contribute a significant portion of discharge from the TC mine area and discharges from sedimentation ponds predominately occurred in conformance with applicable CDPS permit limitations and therefore did not constitute significant impacts to receiving waters. See Section 3.4 for more information.

Mine Discharge:

Mine water discharge sites 109 and 115 did not discharge in the 2023 report period. Site 7 (Area #1 Pit) receives dewatering water from wells located at the former Fish Creek vent shaft in the old Western Mining District (WMD) and the 10RT well located in the old Eastern Mining District (EMD). The Pit overflow goes through DRMS site 7 to Pond D, which may in turn flow into Foidel Creek via CDPS Outfall 005A (a.k.a. site 84). There were no exceedances of the CDPS permit limits at Pond D/Outfall 005A in the 2022 report period.

Mine Inflow:

No unusual occurrences of inflow were noted as a result of the Annual Mine Inflow study. Inflows are within the projected flows presented in the permit. Water quality has not changed significantly and appears to mirror the quality of the adjacent spoil water. It appears that the elevated EC and iron readings are associated with the water that has pooled in the mine sump, which is in contact with the overlying Marine Shales. This contact has provided the opportunity for additional salts and iron to be leached from this unit. The pumping of mine water and sumps should see a decrease in the elevation of the pool over time, with an anticipated decrease in the EC and concentration of iron in the effluent.

Foidel Creek Mine  
2023 Annual Report  
Attachment 1  
Bedrock Well Data

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2023 Annual Report  
Attachment 1  
Bedrock Well Data  
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Foidel Creek Mine

2023 Annual Report

Attachment 1

Section 1

Groundwater Elevations

| ATTACHMENT NO. 7 - GROUNDWATER LEVEL DATA                                         |                    |           |                   |       |          |
|-----------------------------------------------------------------------------------|--------------------|-----------|-------------------|-------|----------|
| Permit No. _ Mine: FOIDEL CREEK MINE Annual Report Period 10/01/2022 to 9/30/2023 |                    |           |                   |       |          |
| SAMPLE STATION                                                                    | MEASURING DATE     | GW ELEVAT | MEASURING COMPANY | GASSY | COMMENTS |
| 008A                                                                              | 6/1/2023 12:00 AM  | 6739.00   | MILLER            |       |          |
| 008A                                                                              | 9/23/2023 12:00 AM | 6739.00   | MILLER            |       |          |
| 013A                                                                              | 6/20/2023 10:15 AM | 5554.90   | MILLER            |       |          |
| 013A                                                                              | 9/23/2023 2:00 PM  | 5554.40   | MILLER            |       |          |
| 0183106                                                                           | 6/20/2023 8:00 AM  | 6612.40   | MILLER            |       |          |
| 068274C                                                                           | 6/1/2023 12:00 AM  | 6840.61   | MILLER            |       |          |
| 068274C                                                                           | 9/23/2023 12:00 AM | 6840.61   | MILLER            |       |          |
| 087758                                                                            | 6/1/2023 1:10 PM   | 6711.17   | MILLER            |       |          |
| 087758                                                                            | 9/23/2023 12:05 PM | 6711.09   | MILLER            |       |          |
| 09794                                                                             | 6/1/2023 8:10 AM   | 6972.60   | MILLER            |       |          |
| 09794                                                                             | 9/23/2023 9:00 AM  | 6968.73   | MILLER            |       |          |
| 91M001                                                                            | 6/1/2023 10:00 AM  | 6874.50   | MILLER            |       |          |
| 91M001                                                                            | 9/13/2023 10:10 AM | 6874.56   | MILLER            |       |          |
| 93M001                                                                            | 6/20/2023 2:15 PM  | 6503.40   | MILLER            |       |          |
| 93M001                                                                            | 9/23/2023 7:55 AM  | 6505.14   | MILLER            |       |          |
| 95M001                                                                            | 6/20/2023 9:10 AM  | 6104.68   | MILLER            |       |          |
| 97013TC                                                                           | 6/20/2023 11:50 AM | 6310.75   | MILLER            |       |          |
| FBR2                                                                              | 6/20/2023 3:10 PM  | 6364.60   | MILLER            |       |          |
| FBR2                                                                              | 9/23/2023 11:15 AM | 6362.90   | MILLER            |       |          |
| FBR2E                                                                             | 6/20/2023 4:00 PM  | 6667.56   | MILLER            |       |          |

Foidel Creek Mine

2023 Annual Report

Attachment 1

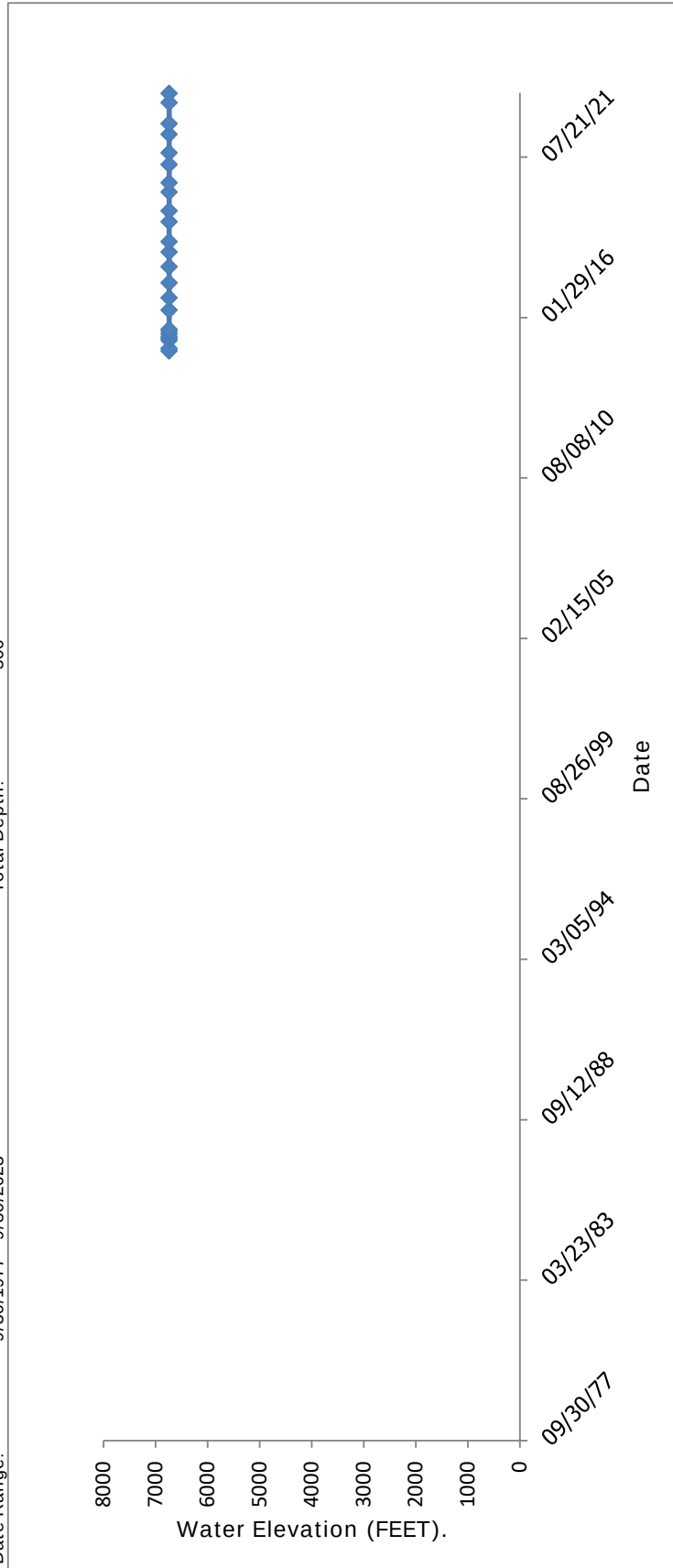
Section 2

Water Level Hydrographs

# FOIDEL CREEK MINE - 008A

Sample Point: 008A  
 Mine: FOIDEL CREEK MINE  
 State:   
 Drainage/Geologic Unit:   
 Date Range: 9/30/1977 - 9/30/2023

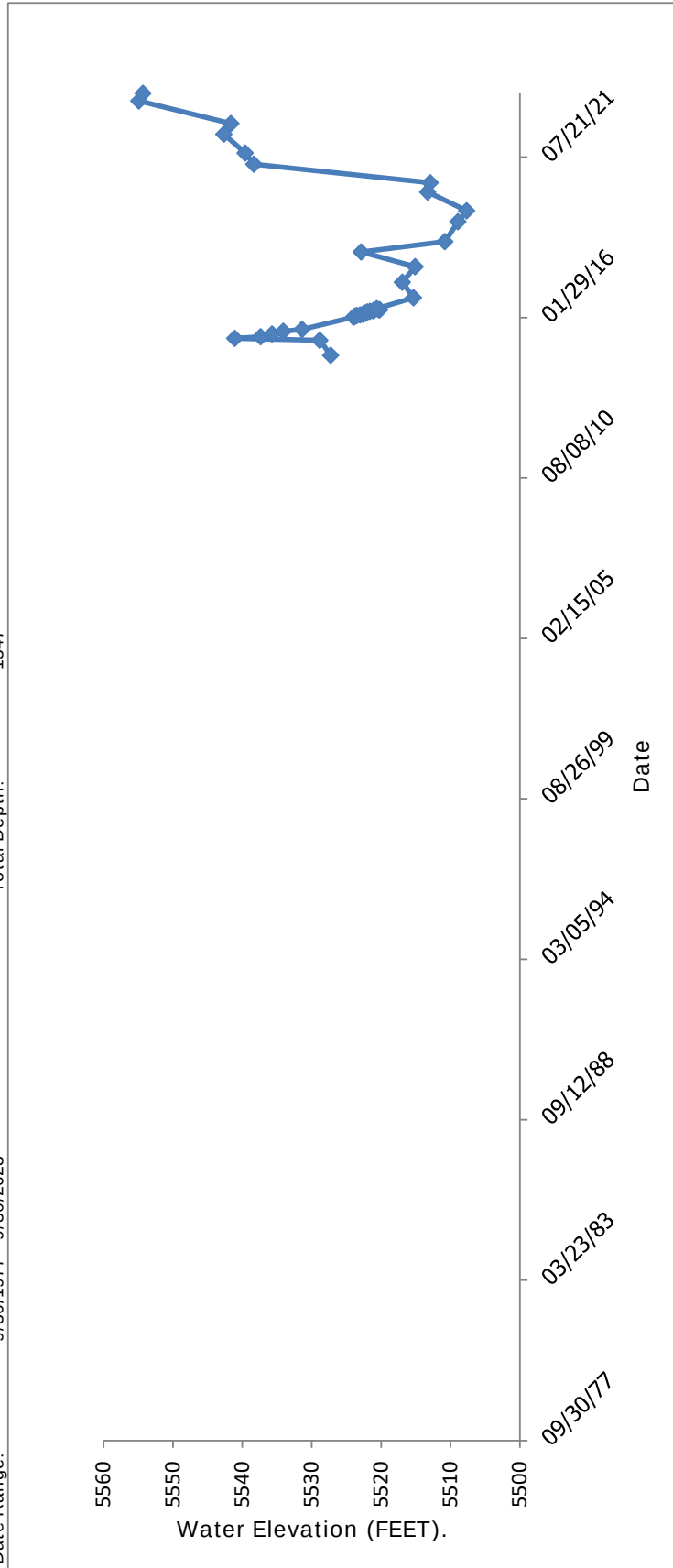
Township: 005N  
 Northing: 48368  
 Easting: 39687  
 Elevation: 6739  
 Total Depth: 500  
 Range: 086W  
 Section: 13



# FOIDEL CREEK MINE - 013A

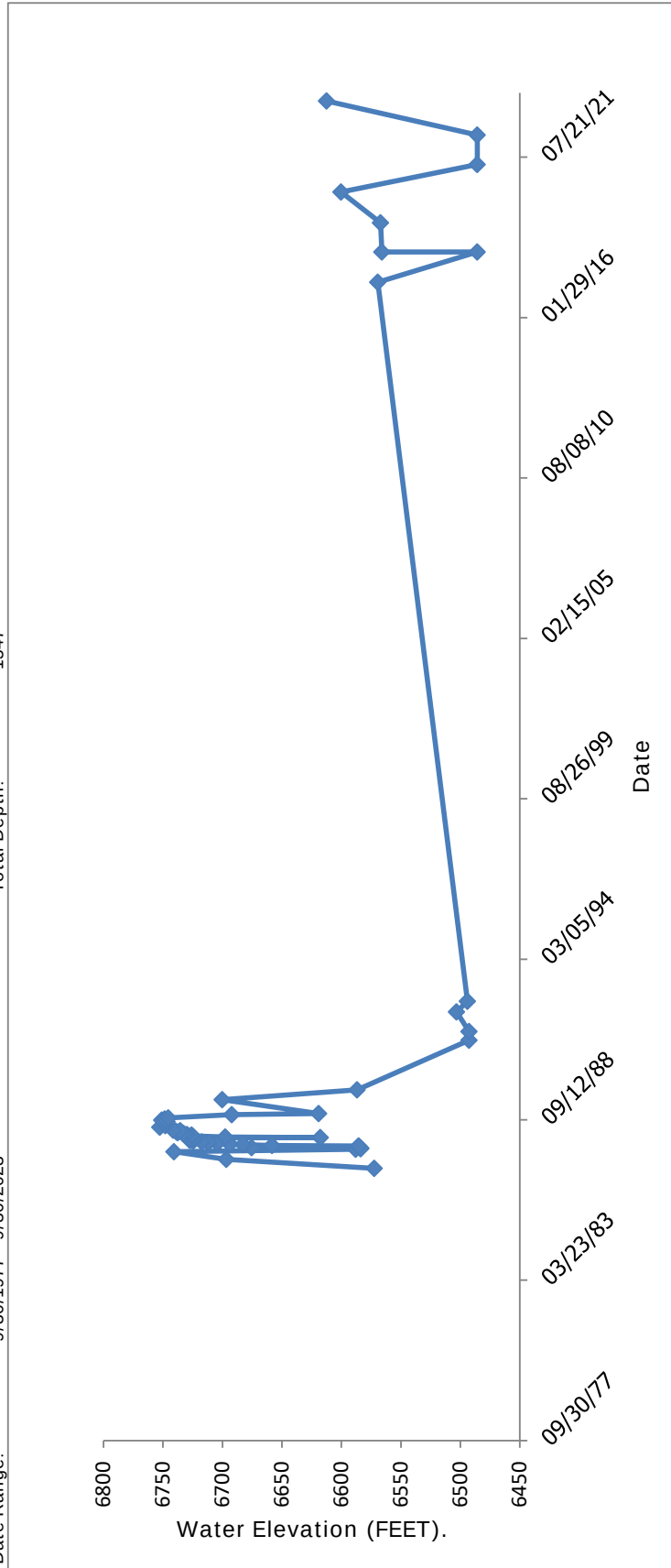
Sample Point: 013A  
 Mine: FOIDEL CREEK MINE  
 State: CO  
 Drainage/Geologic Unit:  
 Date Range: 9/30/1977 - 9/30/2023

Township: 005N  
 Northing: 47985  
 Easting: 18954  
 Elevation: 6770  
 Total Depth: 1547  
 Range: 086W  
 Section: 12



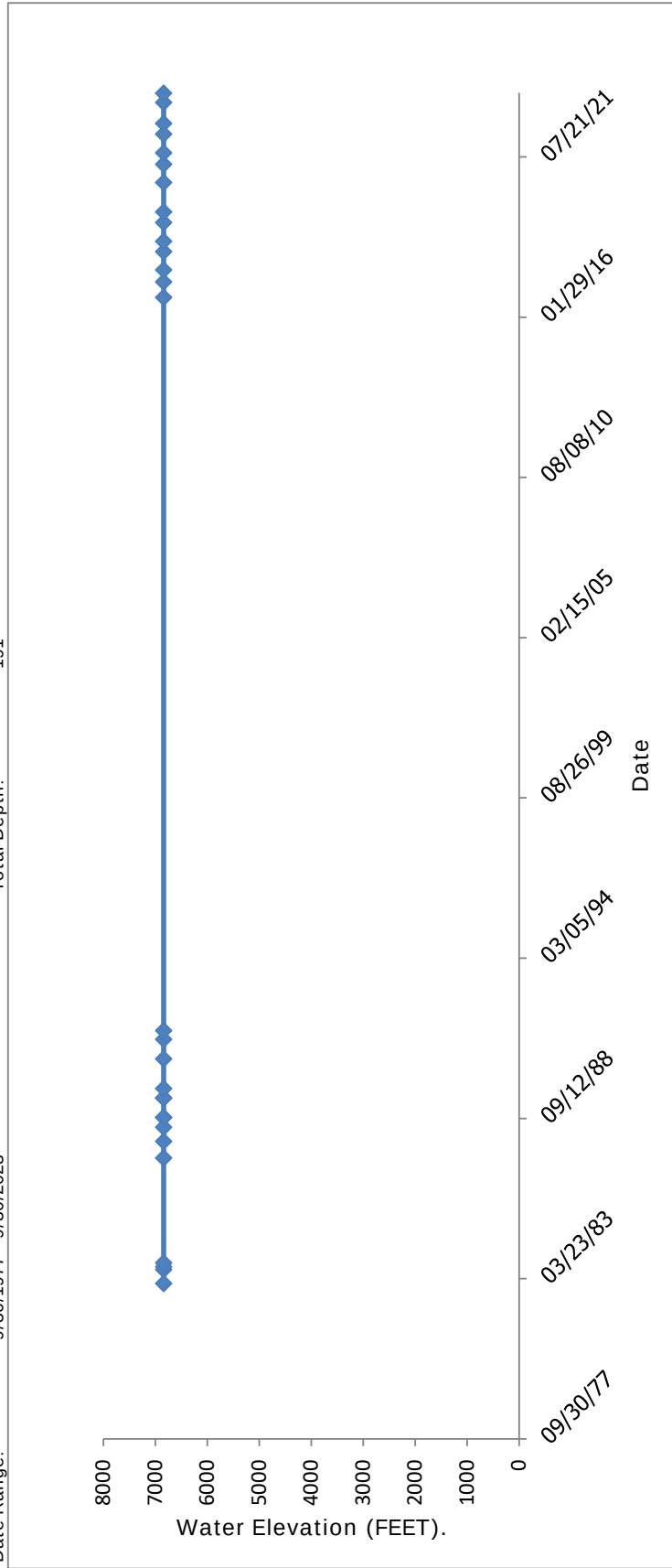
# FOIDEL CREEK MINE - 0183106

Sample Point: 0183106 Township: 004N Range: 086W Section: 7  
 Mine: FOIDEL CREEK MINE Northing: 34258  
 State: CO Easting: 20149  
 Drainage/Geologic Unit: Elevation: 6893  
 Date Range: 9/30/1977 - 9/30/2023 Total Depth: 1547



# FOIDEL CREEK MINE - 068274C

|                         |                       |              |       |        |      |          |       |
|-------------------------|-----------------------|--------------|-------|--------|------|----------|-------|
| Sample Point:           | 068274C               | Township:    | 005N  | Range: | 086W | Section: | 32NNW |
| Mine:                   | FOIDEL CREEK MINE     | Northings:   | 34185 |        |      |          |       |
| State:                  | CO                    | Easting:     | 19150 |        |      |          |       |
| Drainage/Geologic Unit: |                       | Elevation:   | 6841  |        |      |          |       |
| Date Range:             | 9/30/1977 - 9/30/2023 | Total Depth: | 191   |        |      |          |       |

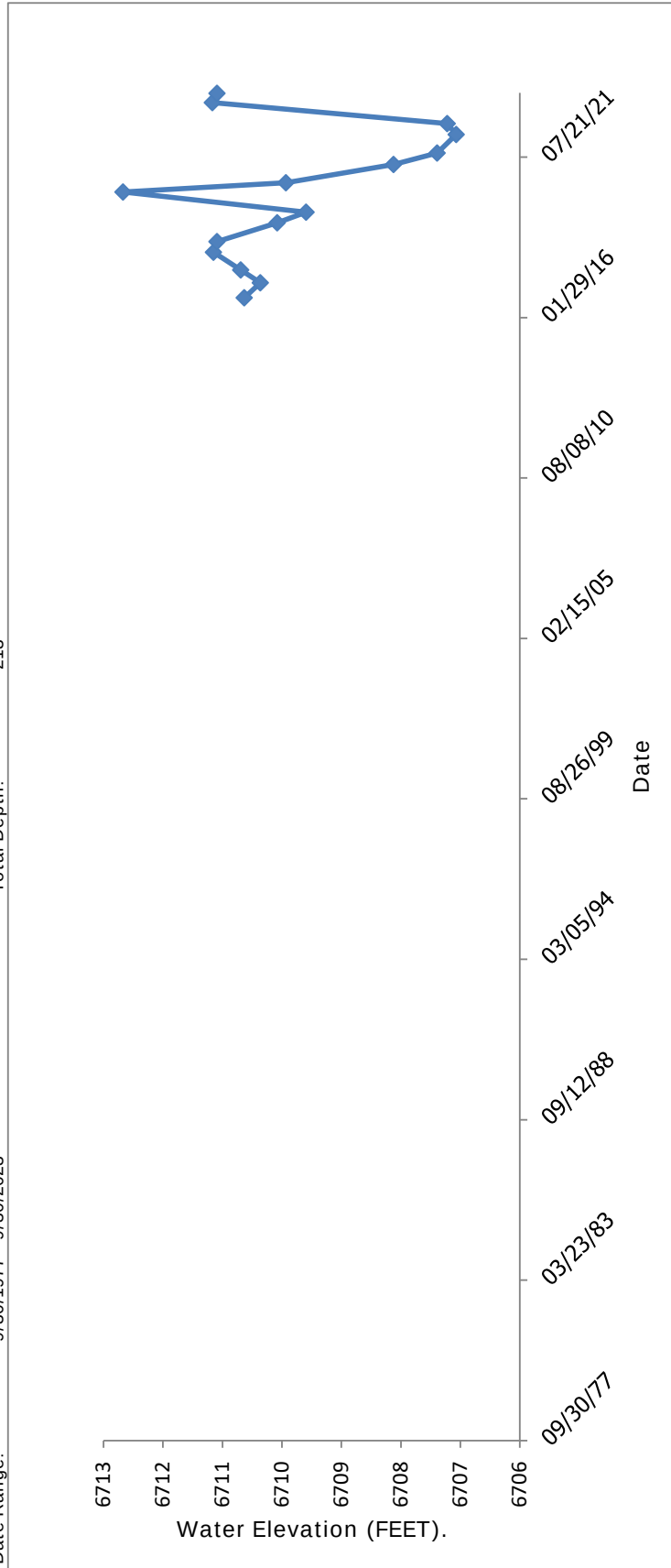




# FOIDEL CREEK MINE - 087758

Sample Point: 087758  
 Mine: FOIDEL CREEK MINE  
 State: CO  
 Drainage/Geologic Unit:  
 Date Range: 9/30/1977 - 9/30/2023

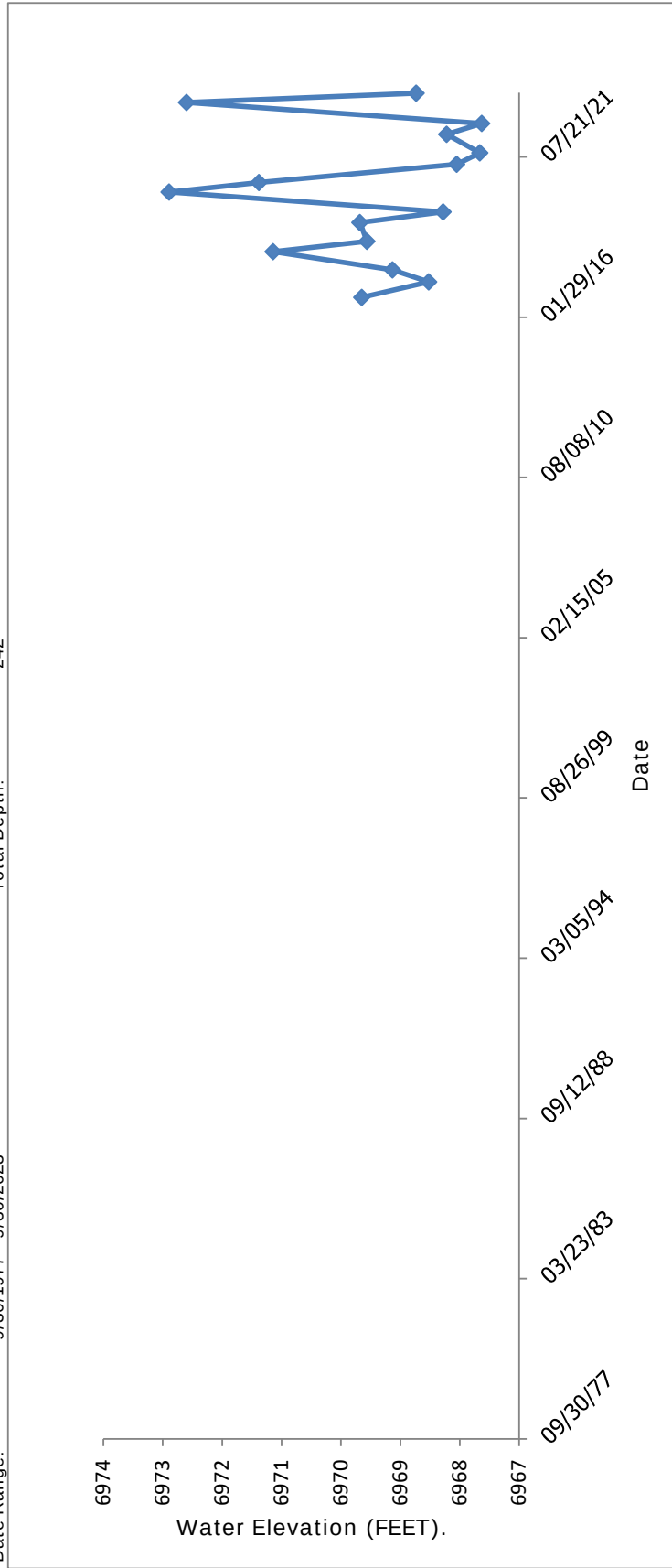
Township: 005N  
 Range: 086W  
 Section: 13  
 Northing: 47765  
 Easting: 41776  
 Elevation: 6720  
 Total Depth: 213



# FOIDEL CREEK MINE - 09794

Sample Point: 09794  
 Mine: FOIDEL CREEK MINE  
 State: CO  
 Drainage/Geologic Unit:  
 Date Range: 9/30/1977 - 9/30/2023

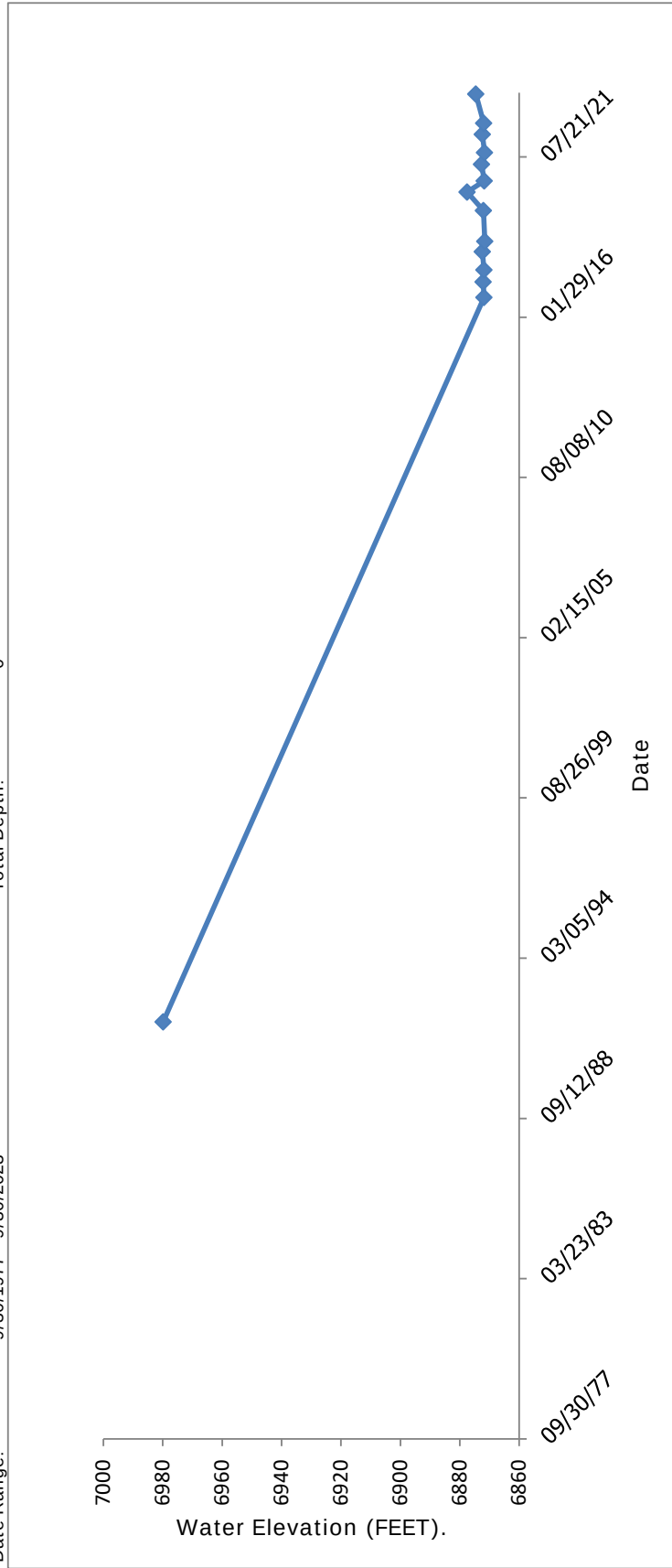
Township: 004N  
 Northing: 27250  
 Easting: 15170  
 Elevation: 7005  
 Total Depth: 242  
 Range: 086W  
 Section: 4



# FOIDEL CREEK MINE - 91M001

Sample Point: 91M001  
 Mine: FOIDEL CREEK MINE  
 State: CO  
 Drainage/Geologic Unit:  
 Date Range: 9/30/1977 - 9/30/2023

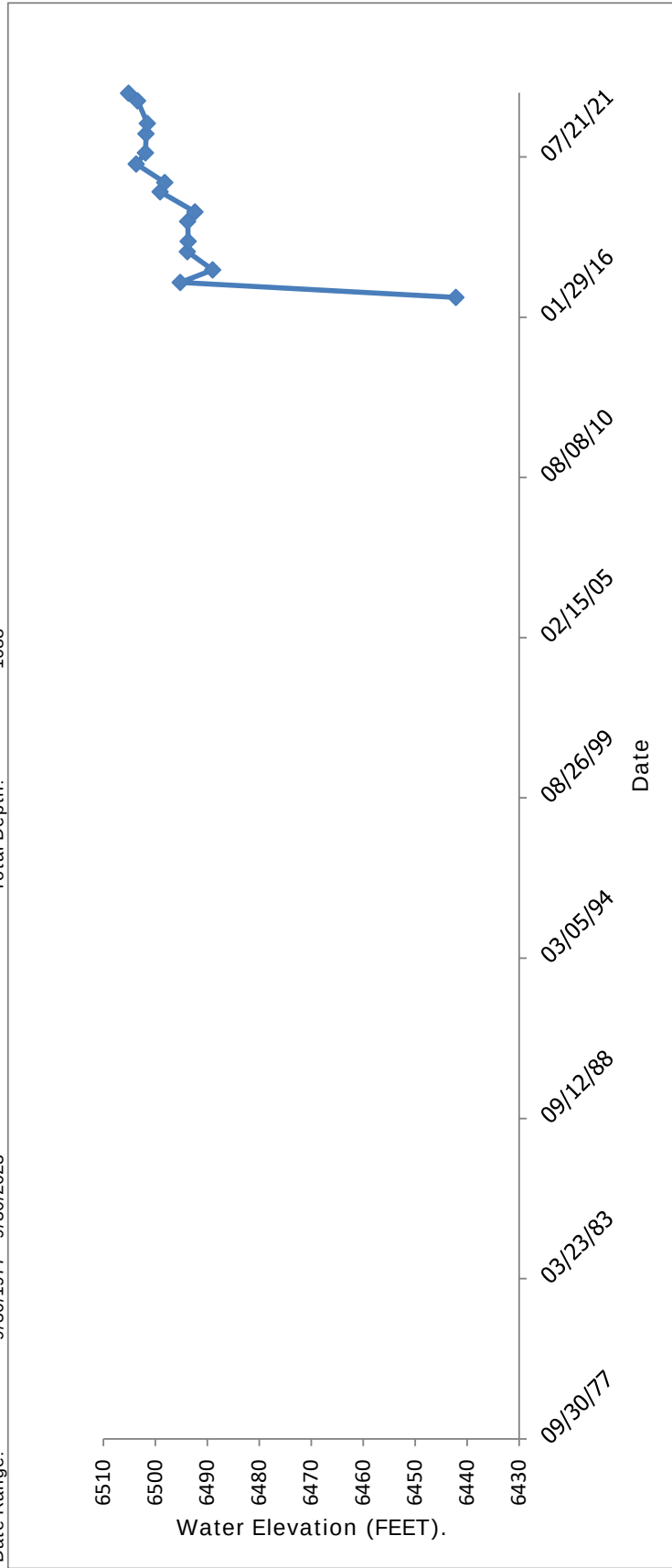
Township: 005N  
 Northing: 35254  
 Easting: 9331  
 Elevation: 6887  
 Total Depth: 0  
 Range: 087W  
 Section: 25



# FOIDEL CREEK MINE - 93M001

Sample Point: 93M001  
 Mine: FOIDEL CREEK MINE  
 State: CO  
 Drainage/Geologic Unit:  
 Date Range: 9/30/1977 - 9/30/2023

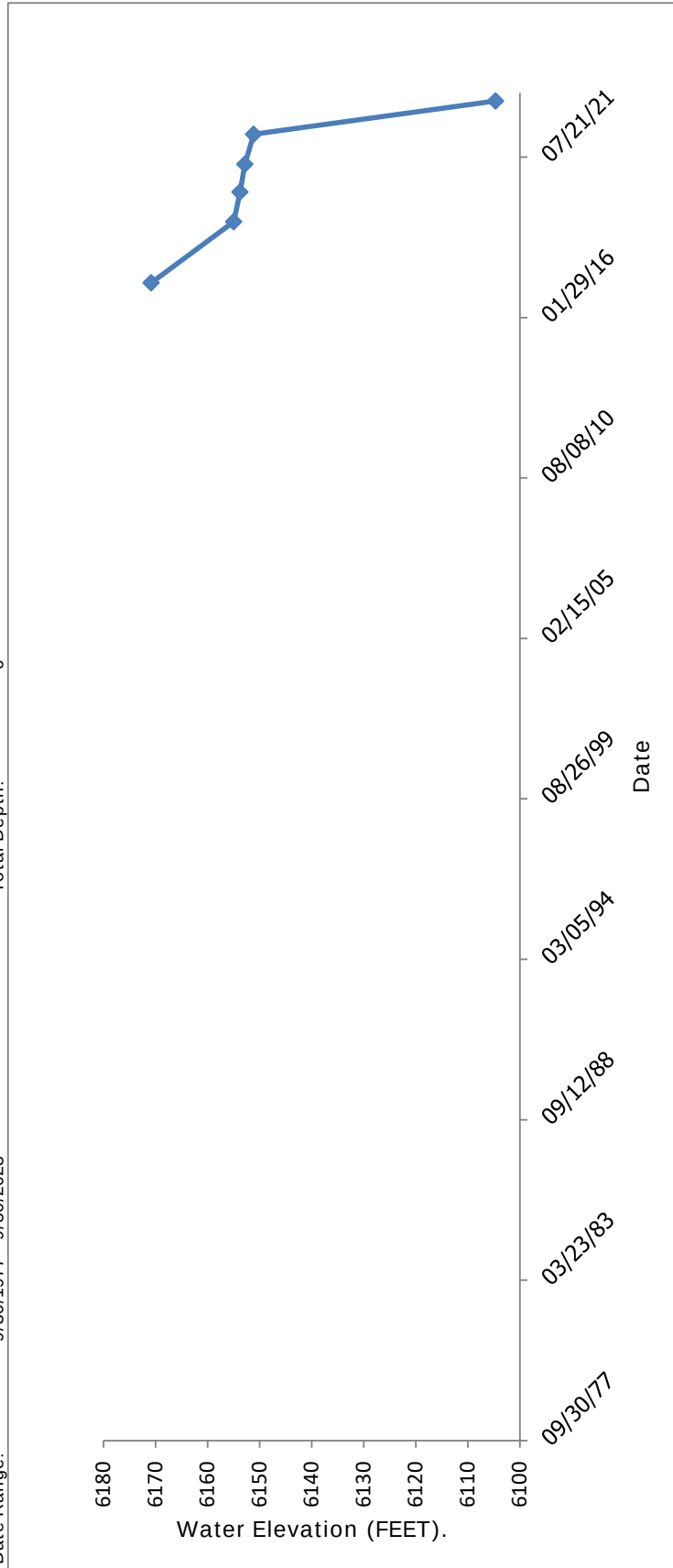
Township: 005N  
 Northing: 35973  
 Easting: 28329  
 Elevation: 7014  
 Total Depth: 1088  
 Range: 086W  
 Section: 27



# FOIDEL CREEK MINE - 95M001

Sample Point: 95M001  
 Mine: FOIDEL CREEK MINE  
 State: CO  
 Drainage/Geologic Unit:  
 Date Range: 9/30/1977 - 9/30/2023

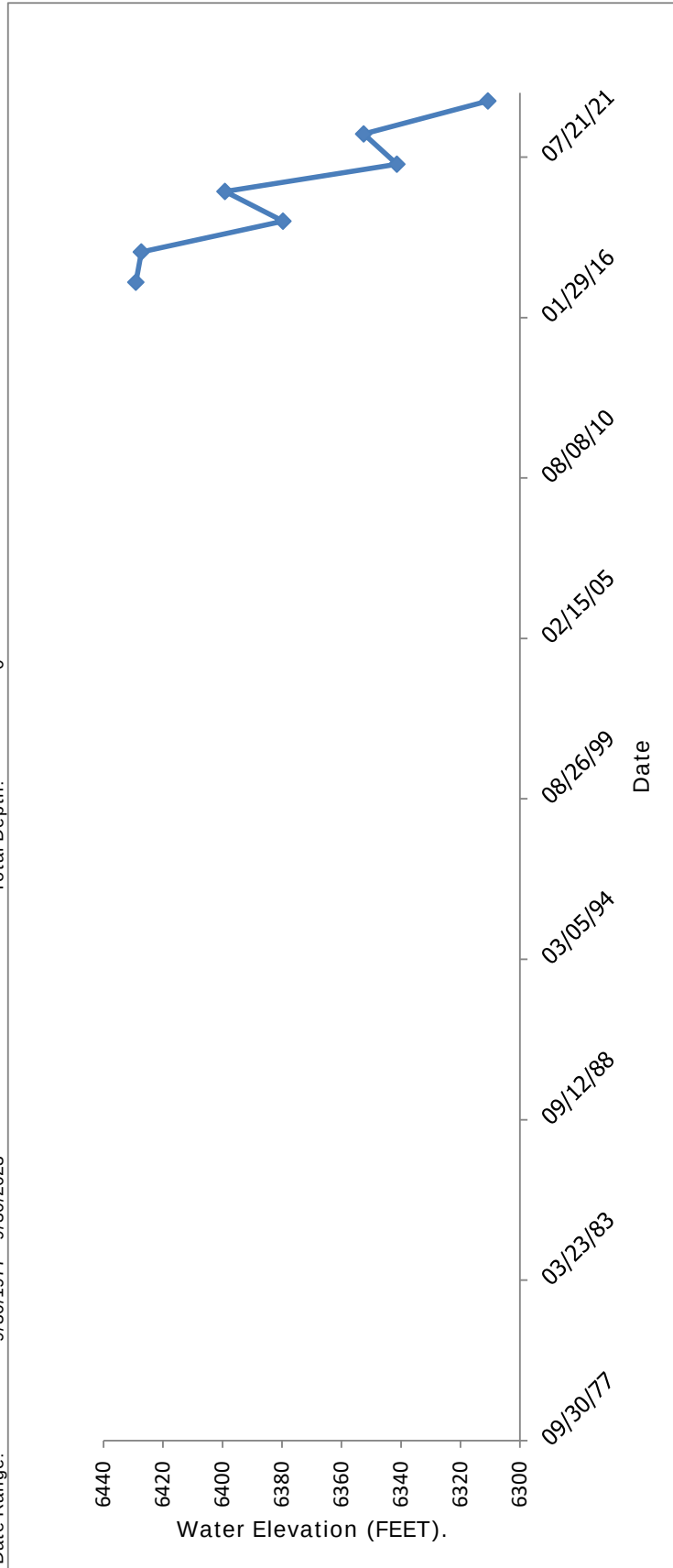
Township: 005N  
 Northing: 39934  
 Easting: 18553  
 Elevation: 7185  
 Total Depth: 0  
 Range: 086W  
 Section: 20



# FOIDEL CREEK MINE - 97013TC

Sample Point: 97013TC  
 Mine: FOIDEL CREEK MINE  
 State: CO  
 Drainage/Geologic Unit:  
 Date Range: 9/30/1977 - 9/30/2023

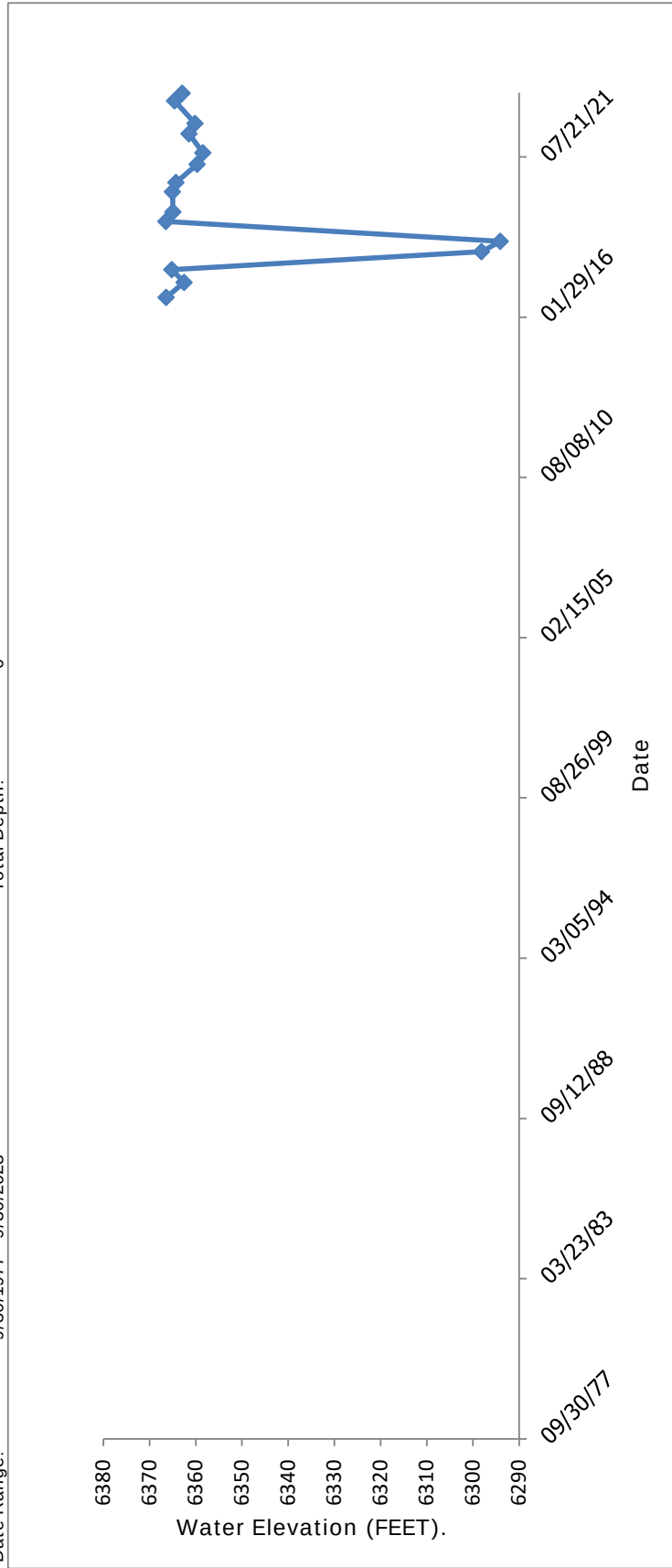
Township: 005N  
 Range: 086W  
 Section: 3  
 Northing: 58386  
 Easting: 28927  
 Elevation: 6685  
 Total Depth: 0



# FOIDEL CREEK MINE - FBR2

Sample Point: FBR2  
 Mine: FOIDEL CREEK MINE  
 State: CO  
 Drainage/Geologic Unit:  
 Date Range: 9/30/1977 - 9/30/2023

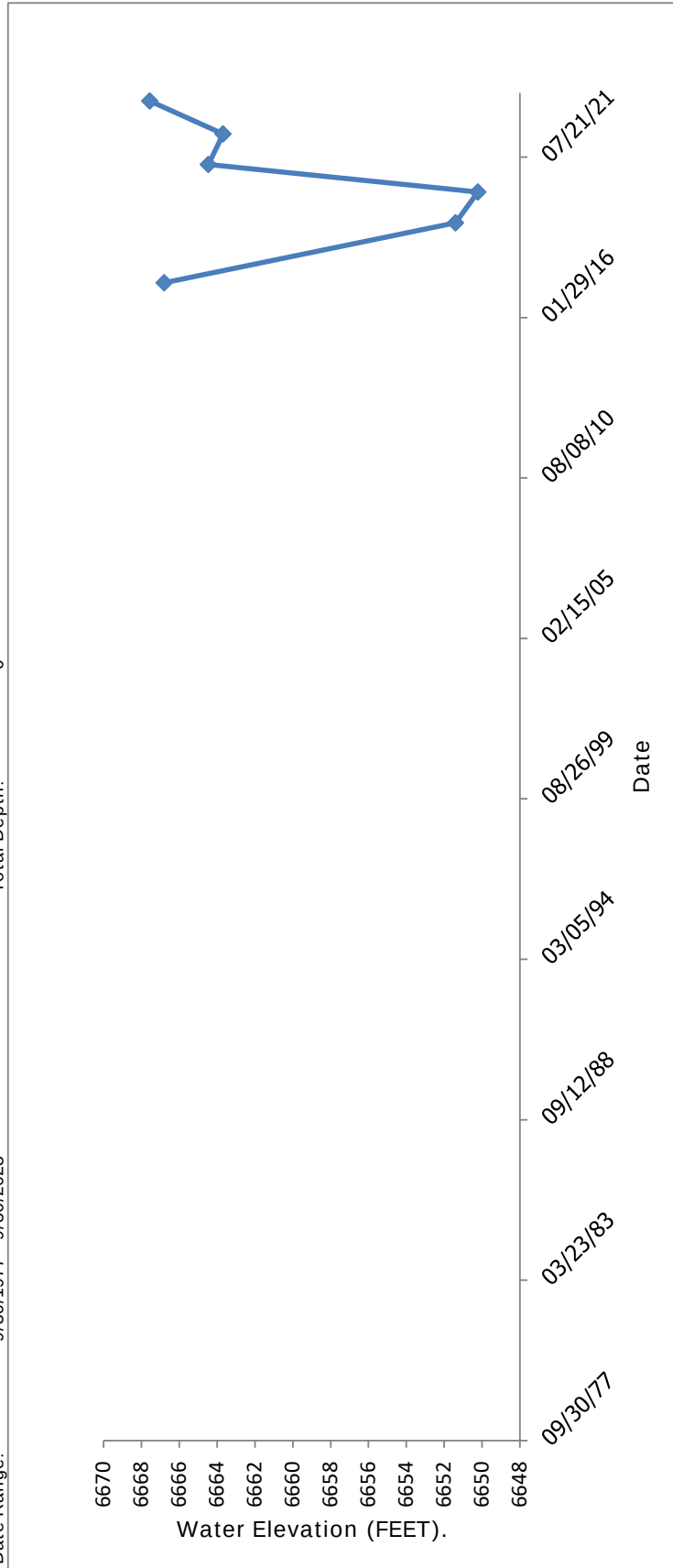
Township: 005N  
 Northing: 53026  
 Easting: 39025  
 Elevation: 6794  
 Total Depth: 0  
 Range: 086W  
 Section: 12



# FOIDEL CREEK MINE - FBR2E

Sample Point: FBR2E  
 Mine: FOIDEL CREEK MINE  
 State: CO  
 Drainage/Geologic Unit:  
 Date Range: 9/30/1977 - 9/30/2023

Township: 005N  
 Northing: 52928  
 Easting: 40831  
 Elevation: 6794  
 Total Depth: 0  
 Range: 086W  
 Section: 12





Foidel Creek Mine

2023 Annual Report

Attachment 1

Section 3

Water Quality for Water Year, Life of Well Water Quality Statistics, and Graphs of TDS and Field Conductivity

## Ground and Surface Water Quality Report

|                                              |                        |                   |       |               |      |                 |      |
|----------------------------------------------|------------------------|-------------------|-------|---------------|------|-----------------|------|
| <b>Sample Point:</b>                         | 008A                   | <b>Township:</b>  | 005N  | <b>Range:</b> | 086W | <b>Section:</b> | 13   |
| <b>Mine:</b>                                 | FOIDEL CREEK MINE      | <b>Northings:</b> | 48368 |               |      |                 |      |
| <b>State:</b>                                |                        | <b>Easting:</b>   | 39687 |               |      |                 |      |
| <b>Drainage/Geologic Unit:</b>               |                        | <b>Elevation:</b> | 6739  |               |      |                 |      |
| <b>Date Range:</b>                           | 10/01/2022 - 9/30/2023 |                   |       |               |      |                 |      |
| <b>Date(s) of Collection:</b>                | 6/1/2023               | 9/23/2023         |       |               |      |                 |      |
| <b>Comment(s):</b>                           | 15 psi                 | 15 psi            |       |               |      |                 |      |
|                                              | Chemical               | Unit              |       |               |      |                 |      |
| Alkalinity as CaCO <sub>3</sub> , @ pH 4.5   | mg/L                   | 1720              |       |               |      |                 |      |
| Alkalinity, Bicarbonate as CaCO <sub>3</sub> | mg/L                   | 1520              |       |               |      |                 |      |
| Alkalinity, Carbonate as CaCO <sub>3</sub>   | mg/L                   | 203               |       |               |      |                 |      |
| Alkalinity, Hydroxide as CaCO <sub>3</sub>   | mg/L                   | < 20              |       |               |      |                 |      |
| Bicarbonate as HCO <sub>3</sub>              | mg/L                   | 1860              |       |               |      |                 |      |
| Cadmium, Dissolved                           | mg/L                   | < 0.00025         |       |               |      |                 |      |
| Calcium, Dissolved                           | mg/L                   | 3.76              |       |               |      |                 |      |
| Carbonate as CO <sub>3</sub>                 | mg/L                   | 122               |       |               |      |                 |      |
| Hydroxide as OH                              | mg/L                   | < 20              |       |               |      |                 |      |
| Indication Oil and Grease                    | Y/N                    | N                 |       |               |      |                 |      |
| Iron, Dissolved                              | mg/L                   | 0.850             |       |               |      |                 |      |
| Lead, Dissolved                              | mg/L                   | < 0.15            |       |               |      |                 |      |
| Magnesium, Dissolved                         | mg/L                   | 1.87              |       |               |      |                 |      |
| Manganese, Dissolved                         | mg/L                   | 0.013             |       |               |      |                 |      |
| Mercury, Dissolved                           | mg/L                   | < 0.001           |       |               |      |                 |      |
| Molybdenum, Dissolved                        | mg/L                   | < 0.1             |       |               |      |                 |      |
| NO <sub>3</sub> -NO <sub>2</sub> Nitrogen    | mg/L                   | 0.040             |       |               |      |                 |      |
| pH Temperature                               | Deg C                  | 21.9              |       |               |      |                 |      |
| pH, Field                                    | S.U.                   | 8.8               |       |               |      |                 | 8.9  |
| pH, Lab                                      | S.U.                   | 8.9               |       |               |      |                 |      |
| Phosphorus, Orthophosphorus                  | mg/L                   | 0.041             |       |               |      |                 |      |
| Selenium, Dissolved                          | mg/L                   | < 0.00025         |       |               |      |                 |      |
| Sodium, Dissolved                            | mg/L                   | 707               |       |               |      |                 |      |
| Specific Conductivity, Field                 | UMHOS/CM               |                   |       |               |      |                 | 2790 |
| Specific Conductivity, Field                 | ums/cm                 | 2820              |       |               |      |                 |      |
| Specific Conductivity, Lab                   | ums/cm                 | 2700              |       |               |      |                 |      |
| Sulfates                                     | mg/L                   | < 50              |       |               |      |                 |      |

|                             |       |      |      |
|-----------------------------|-------|------|------|
| Temperature, Field          | Deg C | 12.6 | 12.7 |
| Total Dissolved Solids, Lab | mg/L  | 1710 |      |

## Ground and Surface Water Quality Statistics Report

Sample Point 008A  
 Mine: FOIDEL CREEK MINE  
 State:  
 Drainage/Geologic Unit:  
 Date Range 10/01/1982 to 9/30/2023

Township 005N  
 Northing 48368  
 Easting 39687  
 Elevation 6739

Range: 086W Section 13

| Parm Description                 | Units  | Uncensored Data |         |        |          |          | Censored Data |     |                 |  |  |
|----------------------------------|--------|-----------------|---------|--------|----------|----------|---------------|-----|-----------------|--|--|
|                                  |        | Count           | Min     | Max    | Mean     | Std.Dev. | Count         | Min | Max             |  |  |
| Alkalinity as CaCO3, @ pH 4.5    | mg/L   | 16              | 1070    | 1870   | 1456.25  | 228.6737 | 0             |     |                 |  |  |
| Alkalinity, Bicarbonate as CaCO3 | mg/L   | 9               | 684     | 1700   | 1274.333 | 330.8421 | 0             |     |                 |  |  |
| Alkalinity, Carbonate as CaCO3   | mg/L   | 10              | 182     | 302    | 242.1    | 43.28574 | 0             |     |                 |  |  |
| Alkalinity, Hydroxide as CaCO3   | mg/L   | 0               |         |        |          |          | 6             | <   | 2 < 10          |  |  |
| Bicarbonate as HCO3              | mg/L   | 13              | 946     | 1860   | 1395.154 | 316.4743 | 0             |     |                 |  |  |
| Cadmium, Dissolved               | mg/L   | 4               | 6.3E-05 | 0.0004 | 0.00016  | 0.00016  | 12            | <   | 0.00005 < 0.001 |  |  |
| Calcium, Dissolved               | mg/L   | 16              | 1.8     | 4.26   | 2.92     | 0.71     | 0             |     |                 |  |  |
| Carbonate as CO3                 | mg/L   | 13              | 121     | 1600   | 299.3077 | 394.9617 | 0             |     |                 |  |  |
| Hardness, Calcium                | mg/L   | 1               | 303     | 303    | 303      |          | 0             |     |                 |  |  |
| Hydroxide as OH                  | mg/L   | 0               |         |        |          |          | 16            | <   | 2 < 20          |  |  |
| Iron, Dissolved                  | mg/L   | 16              | 0.14    | 2.88   | 0.69     | 0.63     | 0             |     |                 |  |  |
| Lead, Dissolved                  | mg/L   | 1               | 0.03    | 0.03   | 0.03     |          | 15            | <   | 0.03 < 0.3      |  |  |
| Magnesium, Dissolved             | mg/L   | 16              | 1.7     | 3.8    | 2.4      | 0.8      | 0             |     |                 |  |  |
| Manganese, Dissolved             | mg/L   | 13              | 0.01    | 0.033  | 0.018    | 0.008    | 3             | <   | 0.03 < 0.05     |  |  |
| Mercury, Dissolved               | mg/L   | 0               |         |        |          |          | 16            | <   | 0.0002 < 0.001  |  |  |
| Molybdenum, Dissolved            | mg/L   | 0               |         |        |          |          | 16            | <   | 0.02 < 0.2      |  |  |
| NO3-NO2 Nitrogen                 | mg/L   | 1               | 0.04    | 0.04   | 0.04     |          | 15            | <   | 0.02 < 0.1      |  |  |
| pH Temperature                   | Deg C  | 16              | 18.8    | 23     | 21.2     | 1.4      | 0             |     |                 |  |  |
| pH, Field                        | S.U.   | 1               | 8.8     | 8.8    | 8.8      |          | 0             |     |                 |  |  |
| pH, Lab                          | S.U.   | 16              | 8.9     | 9.6    | 9.3      | 0.3      | 0             |     |                 |  |  |
| Phosphorus, Orthophosphorus      | mg/L   | 9               | 0.02    | 0.201  | 0.049    | 0.058    | 7             | <   | 0.01 < 0.05     |  |  |
| Selenium, Dissolved              | mg/L   | 8               | 0.0002  | 0.001  | 0.0005   | 0.0003   | 8             | <   | 0.0001 < 0.0005 |  |  |
| Sodium, Dissolved                | mg/L   | 16              | 457     | 847    | 693.3125 | 88.24717 | 0             |     |                 |  |  |
| Specific Conductivity, Field     | ums/cm | 1               | 2820    | 2820   | 2820     |          | 0             |     |                 |  |  |
| Specific Conductivity, Lab       | ums/cm | 16              | 2690    | 3990   | 3008.75  | 423.7432 | 0             |     |                 |  |  |
| Sulfates                         | mg/L   | 8               | 50      | 740    | 361.25   | 243.2775 | 8             | <   | 10 < 50         |  |  |
| Temperature, Field               | Deg C  | 1               | 12.6    | 12.6   | 12.6     |          | 0             |     |                 |  |  |
| Total Dissolved Solids, Lab      | mg/L   | 16              | 1680    | 2550   | 1896.875 | 257.4417 | 0             |     |                 |  |  |

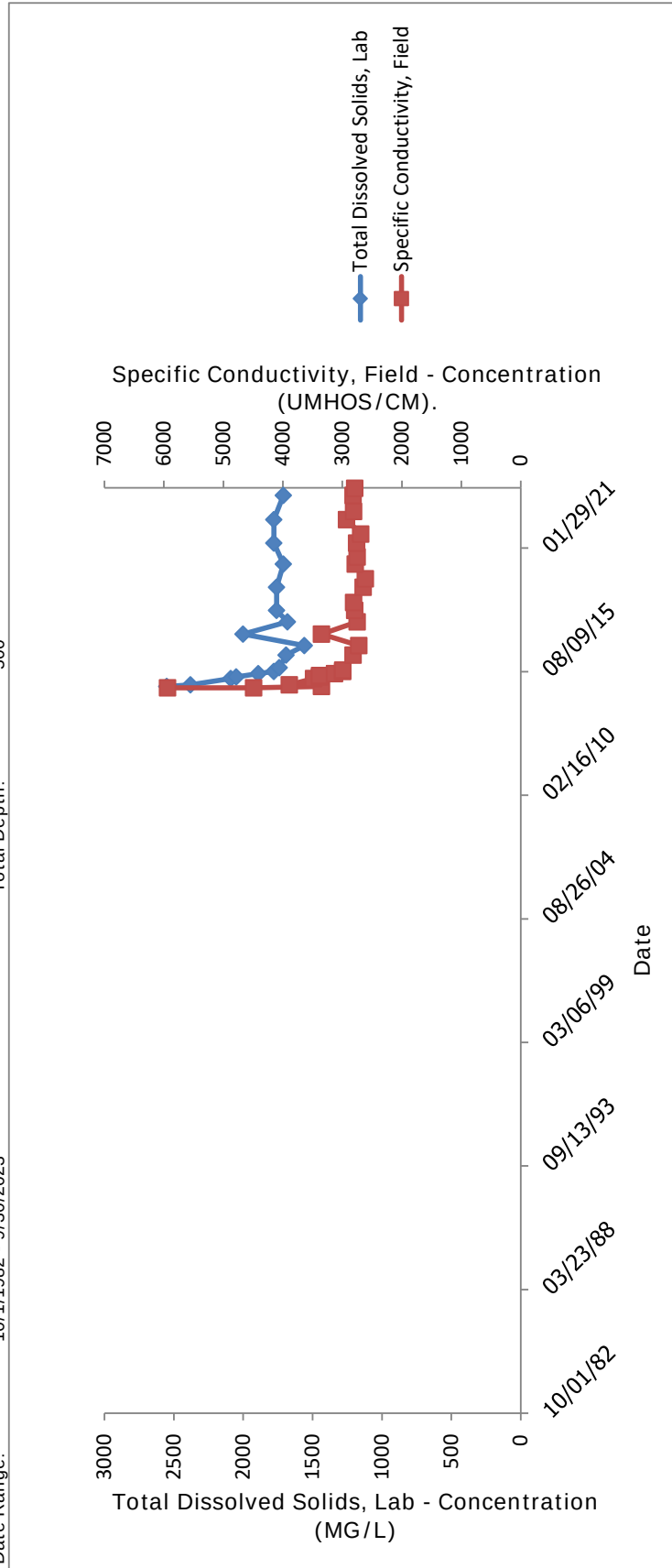
< - denotes value is below detectable limits

> - denotes value is above detectable limits

# FOIDEL CREEK MINE - 008A

Sample Point: 008A  
 Mine: FOIDEL CREEK MINE  
 State: 005N  
 Drainage/Geologic Unit: 48368  
 Date Range: 10/1/1982 - 9/30/2023

Township: 005N  
 Northing: 48368  
 Easting: 39687  
 Elevation: 6739  
 Total Depth: 500  
 Range: 086W  
 Section: 13



|                         |                        |            |       |        |      |          |    |
|-------------------------|------------------------|------------|-------|--------|------|----------|----|
| Sample Point:           | 013A                   | Township:  | 005N  | Range: | 086W | Section: | 12 |
| Mine:                   | FOIDEL CREEK MINE      | Northing:  | 47985 |        |      |          |    |
| State:                  | CO                     | Easting:   | 18954 |        |      |          |    |
| Drainage/Geologic Unit: |                        | Elevation: | 6770  |        |      |          |    |
| Date Range:             | 10/01/2022 - 9/30/2023 |            |       |        |      |          |    |

| Date(s) of Collection:           | 6/20/2023 | 9/23/2023 |
|----------------------------------|-----------|-----------|
| Comment(s):                      |           |           |
| Chemical                         | Unit      |           |
| Alkalinity as CaCO3, @ pH 4.5    | mg/L      | 1110      |
| Alkalinity, Bicarbonate as CaCO3 | mg/L      | 973       |
| Alkalinity, Carbonate as CaCO3   | mg/L      | 137       |
| Alkalinity, Hydroxide as CaCO3   | mg/L      | < 20      |
| Bicarbonate as HCO3              | mg/L      | 1190      |
| Cadmium, Dissolved               | mg/L      | < 0.00025 |
| Calcium, Dissolved               | mg/L      | 4.61      |
| Carbonate as CO3                 | mg/L      | 82.1      |
| Hydroxide as OH                  | mg/L      | < 20      |
| Indication Oil and Grease        | Y/N       | N         |
| Iron, Dissolved                  | mg/L      | 0.605     |
| Lead, Dissolved                  | mg/L      | < 0.15    |
| Magnesium, Dissolved             | mg/L      | 1.45      |
| Manganese, Dissolved             | mg/L      | 0.021     |
| Mercury, Dissolved               | mg/L      | < 0.001   |
| Molybdenum, Dissolved            | mg/L      | < 0.1     |
| NO3-NO2 Nitrogen                 | mg/L      | < 0.1     |
| pH Temperature                   | Deg C     | 22.8      |
| pH, Field                        | S.U.      | 8.3       |
| pH, Lab                          | S.U.      | 8.98      |
| Phosphorus, Orthophosphorus      | mg/L      | 0.031     |
| Selenium, Dissolved              | mg/L      | < 0.00025 |
| Sodium, Dissolved                | mg/L      | 434       |
| Specific Conductivity, Field     | UMHOS/CM  | 1460      |
| Specific Conductivity, Field     | ums/cm    | 1850      |
| Specific Conductivity, Lab       | ums/cm    | 1810      |
| Sulfates                         | mg/L      | < 50      |

|                             |       |      |      |
|-----------------------------|-------|------|------|
| Temperature, Field          | Deg C | 18.4 | 13.2 |
| Total Dissolved Solids, Lab | mg/L  | 1110 |      |



## Ground and Surface Water Quality Statistics Report

**Sample Point** 013A  
**Mine:** FOIDEL CREEK MINE  
**State:** CO  
**Drainage/Geologic Unit:**  
**Date Range** 10/01/1982 to 9/30/2023

**Township** 005N  
**Northing** 47985  
**Eastng** 18954  
**Elevation** 6770  
**Range:** 086W  
**Section** 12

| Parm Description                 | Units  | Uncensored Data |         |         |          |          | Censored Data |     |         |  |  |
|----------------------------------|--------|-----------------|---------|---------|----------|----------|---------------|-----|---------|--|--|
|                                  |        | Count           | Min     | Max     | Mean     | Std.Dev. | Count         | Min | Max     |  |  |
| Alkalinity as CaCO3, @ pH 4.5    | mg/L   | 13              | 674     | 1140    | 1002.538 | 129.2224 | 0             |     |         |  |  |
| Alkalinity, Bicarbonate as CaCO3 | mg/L   | 5               | 862     | 975     | 938.4    | 46.13892 | 0             |     |         |  |  |
| Alkalinity, Carbonate as CaCO3   | mg/L   | 6               | 40.4    | 137     | 97.3     | 36.3     | 0             |     |         |  |  |
| Alkalinity, Hydroxide as CaCO3   | mg/L   | 0               |         |         |          |          | 6             | <   | 2       |  |  |
| Bicarbonate as HCO3              | mg/L   | 13              | 640     | 1190    | 1055.692 | 157.9358 | 0             |     | 10      |  |  |
| Cadmium, Dissolved               | mg/L   | 1               | 0.00012 | 0.00012 | 0.00012  |          | 12            | <   | 0.00005 |  |  |
| Calcium, Dissolved               | mg/L   | 13              | 3.1     | 4.71    | 3.96     | 0.50     | 0             |     | 0.0005  |  |  |
| Carbonate as CO3                 | mg/L   | 12              | 24.2    | 122     | 83.0     | 27.2     | 0             |     |         |  |  |
| Hardness, Calcium                | mg/L   | 1               | 132     | 132     | 132      |          | 0             |     |         |  |  |
| Hydroxide as OH                  | mg/L   | 0               |         |         |          |          | 13            | <   | 2       |  |  |
| Iron, Dissolved                  | mg/L   | 13              | 0.15    | 1.3     | 0.56     | 0.32     | 0             |     | 20      |  |  |
| Lead, Dissolved                  | mg/L   | 1               | 0.03    | 0.03    | 0.03     |          | 12            | <   | 0.03    |  |  |
| Magnesium, Dissolved             | mg/L   | 13              | 1.4     | 2.9     | 1.8      | 0.4      | 0             |     | 0.2     |  |  |
| Manganese, Dissolved             | mg/L   | 13              | 0.011   | 0.04    | 0.024    | 0.010    | 0             |     |         |  |  |
| Mercury, Dissolved               | mg/L   | 0               |         |         |          |          | 13            | <   | 0.0002  |  |  |
| Molybdenum, Dissolved            | mg/L   | 0               |         |         |          |          | 13            | <   | 0.02    |  |  |
| NO3-NO2 Nitrogen                 | mg/L   | 2               | 0.03    | 0.074   | 0.052    | 0.031    | 11            | <   | 0.02    |  |  |
| pH Temperature                   | Deg C  | 13              | 18.5    | 22.9    | 20.6     | 1.5      | 0             |     | 0.1     |  |  |
| pH, Field                        | S.U.   | 1               | 8.3     | 8.3     | 8.3      |          | 0             |     | 0.1     |  |  |
| pH, Lab                          | S.U.   | 13              | 8.6     | 9.2     | 9.0      | 0.2      | 0             |     |         |  |  |
| Phosphorus, Orthophosphorus      | mg/L   | 13              | 0.03    | 0.35    | 0.09     | 0.10     | 0             |     |         |  |  |
| Selenium, Dissolved              | mg/L   | 3               | 0.0001  | 0.011   | 0.0038   | 0.0062   | 10            | <   | 0.0001  |  |  |
| Sodium, Dissolved                | mg/L   | 13              | 310     | 487     | 429.7692 | 45.34526 | 0             |     | 0.0003  |  |  |
| Specific Conductivity, Field     | ums/cm | 1               | 1850    | 1850    | 1850     |          | 0             |     |         |  |  |
| Specific Conductivity, Lab       | ums/cm | 13              | 1360    | 2170    | 1830     | 201.9076 | 0             |     |         |  |  |
| Sulfates                         | mg/L   | 6               | 20      | 30      | 23.33333 | 5.163978 | 7             | <   | 10      |  |  |
| Temperature, Field               | Deg C  | 1               | 18.4    | 18.4    | 18.4     |          | 0             |     | 50      |  |  |
| Total Dissolved Solids, Lab      | mg/L   | 13              | 760     | 1290    | 1122.154 | 140.8675 | 0             |     |         |  |  |

< - denotes value is below detectable limits

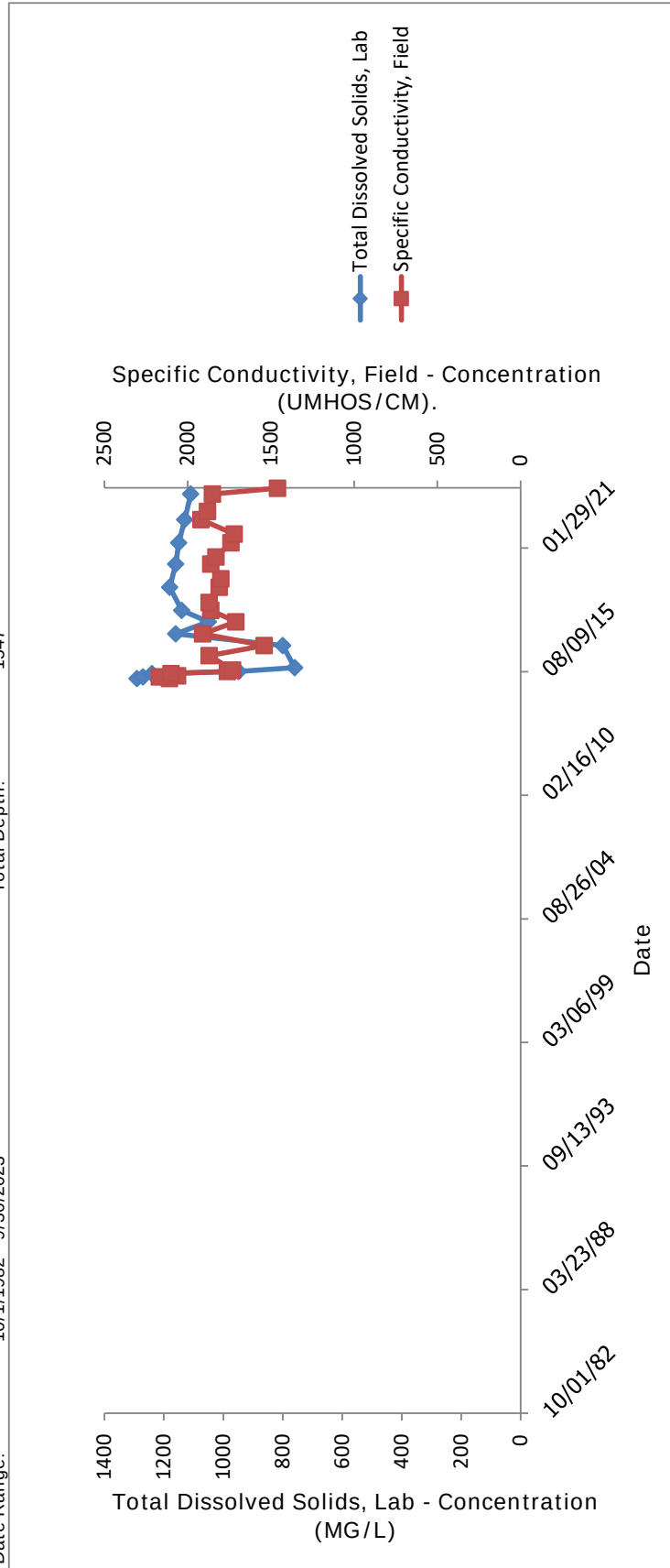
> - denotes value is above detectable limits

## FOIDEL CREEK MINE - 013A

Sample Point: 013A  
Mine: FOIDEL CREEK MINE  
State: CO  
Drainage/Geologic Unit:  
Date Range: 10/1/1982 - 9/30/2023

Township: 005N  
Range: 086W  
Section: 12

Northings: 47985  
Eastings: 18954  
Elevation: 6770  
Total Depth: 1547



## Ground and Surface Water Quality Report

|                                              |                        |                   |       |               |      |                 |   |
|----------------------------------------------|------------------------|-------------------|-------|---------------|------|-----------------|---|
| <b>Sample Point:</b>                         | 0183106                | <b>Township:</b>  | 004N  | <b>Range:</b> | 086W | <b>Section:</b> | 7 |
| <b>Mine:</b>                                 | FOIDEL CREEK MINE      | <b>Northings:</b> | 34258 |               |      |                 |   |
| <b>State:</b>                                | CO                     | <b>Easting:</b>   | 20149 |               |      |                 |   |
| <b>Drainage/Geologic Unit:</b>               |                        | <b>Elevation:</b> | 6893  |               |      |                 |   |
| <b>Date Range:</b>                           | 10/01/2022 - 9/30/2023 |                   |       |               |      |                 |   |
| <b>Date(s) of Collection:</b>                | 6/20/2023              |                   |       |               |      |                 |   |
| <b>Comment(s):</b>                           | Chemical               | <b>Unit</b>       |       |               |      |                 |   |
| Alkalinity as CaCO <sub>3</sub> , @ pH 4.5   | mg/L                   | 594               |       |               |      |                 |   |
| Alkalinity, Bicarbonate as CaCO <sub>3</sub> | mg/L                   | 535               |       |               |      |                 |   |
| Alkalinity, Carbonate as CaCO <sub>3</sub>   | mg/L                   | 59.5              |       |               |      |                 |   |
| Alkalinity, Hydroxide as CaCO <sub>3</sub>   | mg/L                   | < 20              |       |               |      |                 |   |
| Bicarbonate as HCO <sub>3</sub>              | mg/L                   | 652               |       |               |      |                 |   |
| Cadmium, Dissolved                           | mg/L                   | < 0.00025         |       |               |      |                 |   |
| Calcium, Dissolved                           | mg/L                   | 2.17              |       |               |      |                 |   |
| Carbonate as CO <sub>3</sub>                 | mg/L                   | 35.7              |       |               |      |                 |   |
| Hydroxide as OH                              | mg/L                   | < 20              |       |               |      |                 |   |
| Indication Oil and Grease                    | Y/N                    | N                 |       |               |      |                 |   |
| Iron, Dissolved                              | mg/L                   | 0.140             |       |               |      |                 |   |
| Lead, Dissolved                              | mg/L                   | < 0.15            |       |               |      |                 |   |
| Magnesium, Dissolved                         | mg/L                   | 0.47              |       |               |      |                 |   |
| Manganese, Dissolved                         | mg/L                   | 0.025             |       |               |      |                 |   |
| Mercury, Dissolved                           | mg/L                   | < 0.001           |       |               |      |                 |   |
| Molybdenum, Dissolved                        | mg/L                   | < 0.1             |       |               |      |                 |   |
| NO <sub>3</sub> -NO <sub>2</sub> Nitrogen    | mg/L                   | 0.025             |       |               |      |                 |   |
| pH Temperature                               | Deg C                  | 22.6              |       |               |      |                 |   |
| pH, Field                                    | S.U.                   | 8.4               |       |               |      |                 |   |
| pH, Lab                                      | S.U.                   | 8.84              |       |               |      |                 |   |
| Phosphorus, Orthophosphorus                  | mg/L                   | 0.077             |       |               |      |                 |   |
| Selenium, Dissolved                          | mg/L                   | < 0.00025         |       |               |      |                 |   |
| Sodium, Dissolved                            | mg/L                   | 326               |       |               |      |                 |   |
| Specific Conductivity, Field                 | ums/cm                 | 1470              |       |               |      |                 |   |
| Specific Conductivity, Lab                   | ums/cm                 | 1410              |       |               |      |                 |   |
| Sulfates                                     | mg/L                   | 197               |       |               |      |                 |   |
| Temperature, Field                           | Deg C                  | 13.4              |       |               |      |                 |   |

Total Dissolved Solids, Lab  
mg/L  
896

## Ground and Surface Water Quality Statistics Report

**Sample Point** 0183106  
**Mine:** FOIDEL CREEK MINE  
**State:** CO  
**Drainage/Geologic Unit:** 10/01/1982 to 9/30/2023  
**Date Range**

**Township** 004N  
**Northings** 34258  
**Easting** 20149  
**Elevation** 6893  
**Range:** 086W  
**Section** 7

| Parm Description                             | Units  | Uncensored Data |        |        |          | Censored Data |       |     |         |
|----------------------------------------------|--------|-----------------|--------|--------|----------|---------------|-------|-----|---------|
|                                              |        | Count           | Min    | Max    | Mean     | Std.Dev.      | Count | Min | Max     |
| Alkalinity as CaCO <sub>3</sub> , @ pH 4.5   | mg/L   | 8               | 451    | 594    | 544.375  | 43.3917       | 0     |     |         |
| Alkalinity, Bicarbonate as CaCO <sub>3</sub> | mg/L   | 8               | 463    | 635    | 563.625  | 65.2948       | 0     |     |         |
| Alkalinity, Carbonate as CaCO <sub>3</sub>   | mg/L   | 8               | 24     | 75     | 42.725   | 17.39924      | 0     |     |         |
| Alkalinity, Hydroxide as CaCO <sub>3</sub>   | mg/L   | 0               |        |        |          |               | 2     | <   | 2       |
| Bicarbonate as HCO <sub>3</sub>              | mg/L   | 3               | 565    | 652    | 602.3333 | 44.79211      | 0     |     | 10      |
| Cadmium, Dissolved                           | mg/L   | 0               |        |        |          |               | 8     | <   | 0.00005 |
| Calcium, Dissolved                           | mg/L   | 8               | 1.6    | 2.8    | 2.0      | 0.4           | 0     |     | 0.0005  |
| Carbonate as CO <sub>3</sub>                 | mg/L   | 3               | 35.7   | 45     | 41.6     | 5.1           | 0     |     |         |
| Hydroxide as OH                              | mg/L   | 0               |        |        |          |               | 8     | <   | 2       |
| Iron, Dissolved                              | mg/L   | 5               | 0.03   | 0.14   | 0.09     | 0.04          | 3     | <   | 0.05    |
| Lead, Dissolved                              | mg/L   | 0               |        |        |          |               | 8     | <   | 0.03    |
| Magnesium, Dissolved                         | mg/L   | 8               | 0.4    | 1      | 0.6      | 0.2           | 0     |     | 20      |
| Manganese, Dissolved                         | mg/L   | 4               | 0.007  | 0.671  | 0.288    | 0.327         | 4     | <   | 0.01    |
| Mercury, Dissolved                           | mg/L   | 0               |        |        |          |               | 8     | <   | 0.0002  |
| Molybdenum, Dissolved                        | mg/L   | 0               |        |        |          |               | 8     | <   | 0.02    |
| NO <sub>3</sub> -NO <sub>2</sub> Nitrogen    | mg/L   | 6               | 0.025  | 0.9    | 0.319    | 0.316         | 2     | <   | 0.1     |
| pH Temperature                               | Deg C  | 8               | 19     | 23     | 21.175   | 1.602453      | 0     |     | 0.1     |
| pH, Field                                    | S.U.   | 1               | 8.4    | 8.4    | 8.4      |               | 0     |     |         |
| pH, Lab                                      | S.U.   | 8               | 8.6    | 9      | 8.8      | 0.1           | 0     |     |         |
| Phosphorus, Dissolved                        | mg/L   | 1               | 0.32   | 0.32   | 0.32     |               | 0     |     |         |
| Phosphorus, Orthophosphorus                  | mg/L   | 7               | 0.04   | 0.09   | 0.05     | 0.02          | 0     |     |         |
| Selenium, Dissolved                          | mg/L   | 1               | 0.0003 | 0.0003 | 0.0003   |               | 7     | <   | 0.0001  |
| Sodium, Dissolved                            | mg/L   | 8               | 306    | 339    | 326      | 9.531901      | 0     |     | 0.0005  |
| Specific Conductivity, Field                 | ums/cm | 1               | 1470   | 1470   | 1470     |               | 0     |     |         |
| Specific Conductivity, Lab                   | ums/cm | 8               | 1260   | 1420   | 1373.75  | 50.69165      | 0     |     |         |
| Sulfates                                     | mg/L   | 8               | 160    | 210    | 189.625  | 14.87027      | 0     |     |         |
| Temperature, Field                           | Deg C  | 1               | 13.4   | 13.4   | 13.4     |               | 0     |     |         |
| Total Dissolved Solids, Lab                  | mg/L   | 8               | 820    | 920    | 870.5    | 33.06703      | 0     |     |         |

< - denotes value is below detectable limits

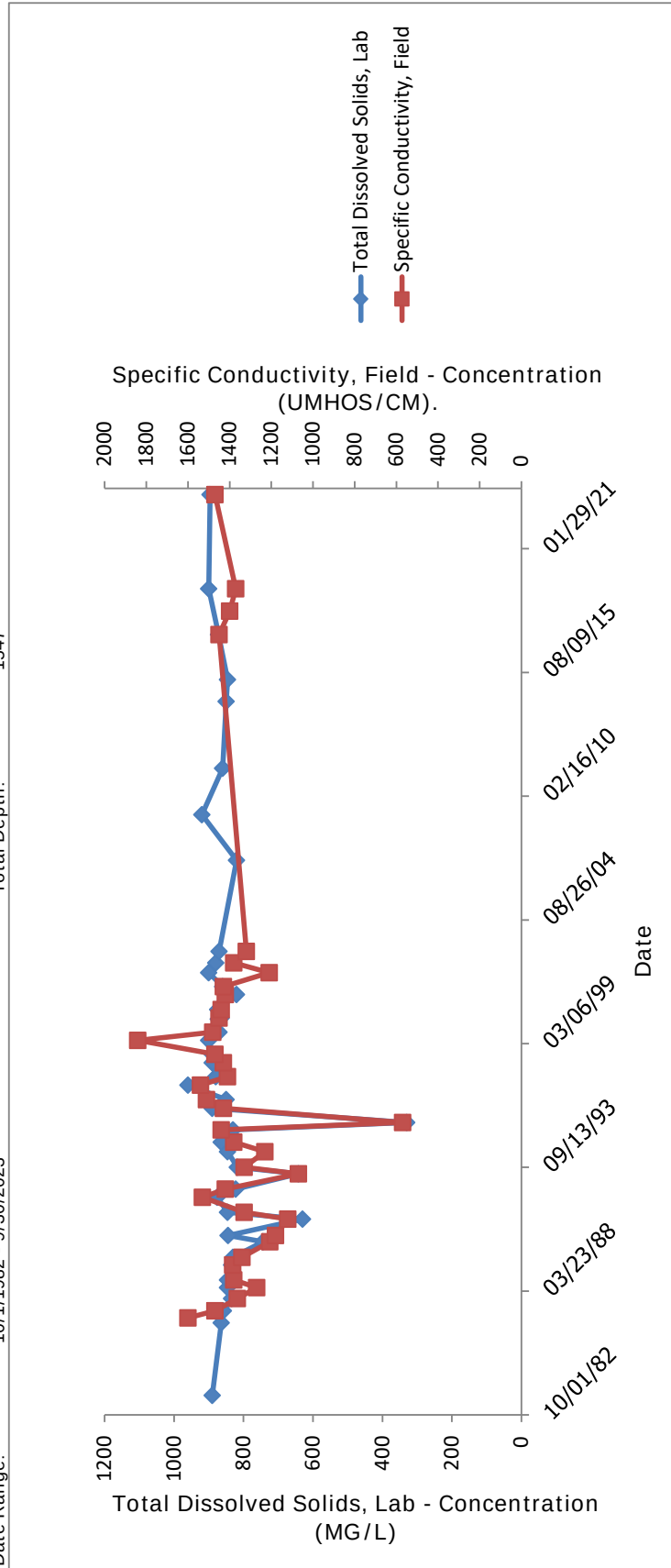
> - denotes value is above detectable limits

## FOIDEL CREEK MINE - 0183106

Sample Point: 0183106  
Mine: FOIDEL CREEK MINE  
State: CO  
Drainage/Geologic Unit:  
Date Range: 10/1/1982 - 9/30/2023

Township: 004N  
Range: 086W  
Section: 7

Northing: 34258  
Easting: 20149  
Elevation: 6893  
Total Depth: 1547





## Ground and Surface Water Quality Report

**Sample Point:** 068274C      **Township:** 005N      **Range:** 086W      **Section:** 32NNWNENW  
**Mine:** FOIDEL CREEK MINE      **Northings:** 34185  
**State:** CO      **Easting:** 19150  
**Drainage/Geologic Unit:**      **Elevation:** 6841  
**Date Range:** 10/01/2022 - 9/30/2023

**Date(s) of Collection:** 6/1/2023 9/23/2023

**Comment(s):** Chemical      0.5 psi      1 psi

|                                              | Unit     | 6/1/2023  | 9/23/2023 |
|----------------------------------------------|----------|-----------|-----------|
| Alkalinity as CaCO <sub>3</sub> , @ pH 4.5   | mg/L     | 9.5       |           |
| Alkalinity, Bicarbonate as CaCO <sub>3</sub> | mg/L     | 9.5       |           |
| Alkalinity, Carbonate as CaCO <sub>3</sub>   | mg/L     | < 20      |           |
| Alkalinity, Hydroxide as CaCO <sub>3</sub>   | mg/L     | < 20      |           |
| Bicarbonate as HCO <sub>3</sub>              | mg/L     | 11.5      |           |
| Cadmium, Dissolved                           | mg/L     | < 0.00025 |           |
| Calcium, Dissolved                           | mg/L     | 120       |           |
| Carbonate as CO <sub>3</sub>                 | mg/L     | < 20      |           |
| Hydroxide as OH                              | mg/L     | < 20      |           |
| Indication Oil and Grease                    | Y/N      | N         | N         |
| Iron, Dissolved                              | mg/L     | 1.27      |           |
| Lead, Dissolved                              | mg/L     | < 0.15    |           |
| Magnesium, Dissolved                         | mg/L     | 28.0      |           |
| Manganese, Dissolved                         | mg/L     | 0.063     |           |
| Mercury, Dissolved                           | mg/L     | < 0.001   |           |
| Molybdenum, Dissolved                        | mg/L     | < 0.1     |           |
| NO <sub>3</sub> -NO <sub>2</sub> Nitrogen    | mg/L     | 0.022     |           |
| pH Temperature                               | Deg C    | 22.4      |           |
| pH, Field                                    | S.U.     | 8.7       | 8.59      |
| pH, Lab                                      | S.U.     | 7.3       |           |
| Phosphorus, Orthophosphorus                  | mg/L     | 0.014     |           |
| Selenium, Dissolved                          | mg/L     | < 0.00025 |           |
| Sodium, Dissolved                            | mg/L     | 302       |           |
| Specific Conductivity, Field                 | UMHOS/CM |           | 2180      |
| Specific Conductivity, Field                 | ums/cm   | 2160      |           |
| Specific Conductivity, Lab                   | ums/cm   | 2060      |           |
| Sulfates                                     | mg/L     | 924       |           |

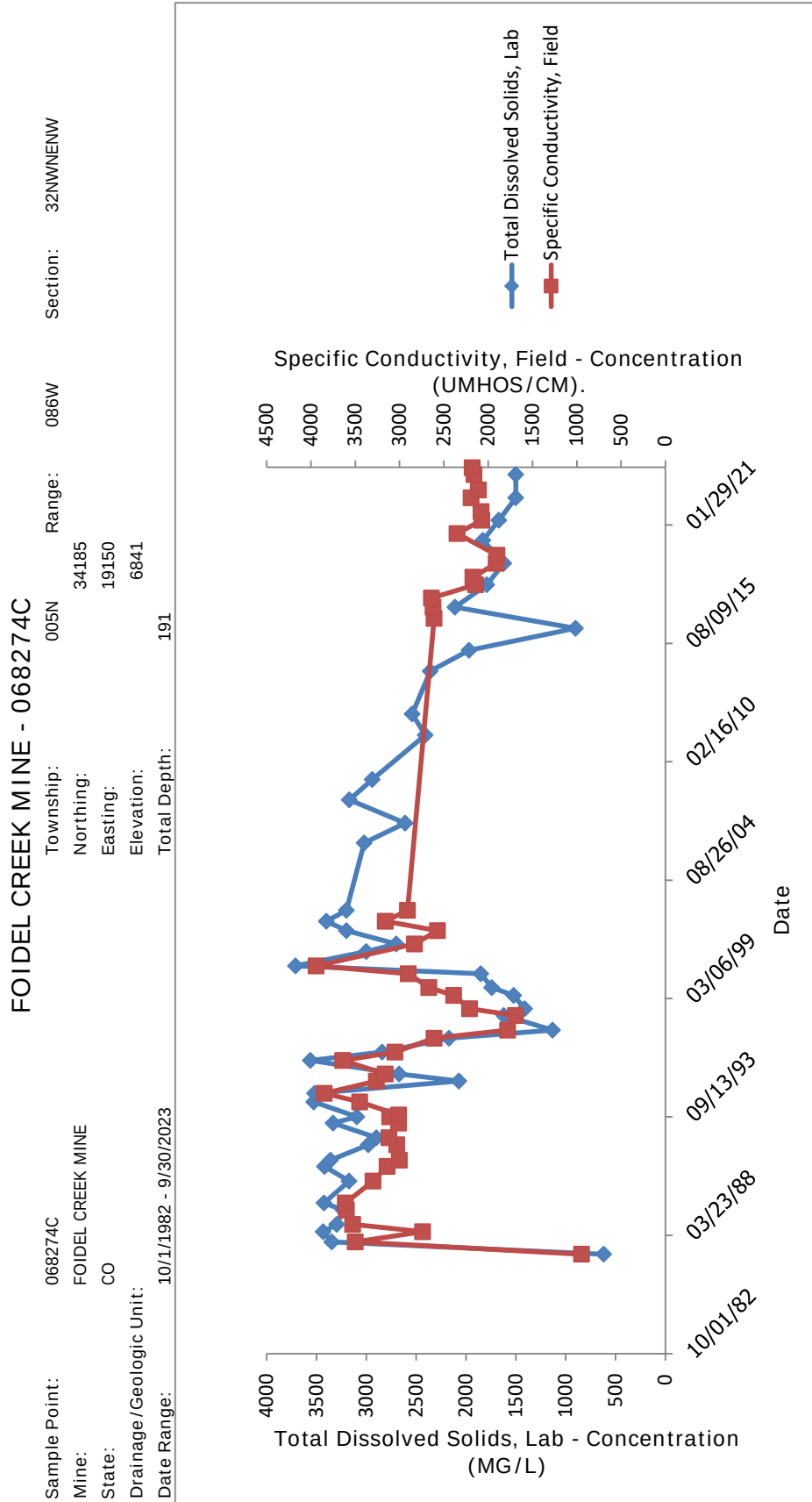
|                             |       |
|-----------------------------|-------|
| Temperature, Field          | 9.6   |
| Total Dissolved Solids, Lab | 9.7   |
|                             | 1500  |
|                             | Deg C |
|                             | mg/L  |

## Ground and Surface Water Quality Statistics Report

**Sample Point** 068274C      **Township** 005N      **Range:** 086W      **Section** 32NWNE1W  
**Mine:** FOIDEL CREEK MINE      **Northings** 34185  
**State:** CO      **Easting** 19150  
**Drainage/Geologic Unit:**      **Elevation** 6841  
**Date Range** 10/01/1982 to 9/30/2023

| Parm Description                 | Units  | Uncensored Data |         |        |          |          | Censored Data |     |         |     |       |
|----------------------------------|--------|-----------------|---------|--------|----------|----------|---------------|-----|---------|-----|-------|
|                                  |        | Count           | Min     | Max    | Mean     | Std.Dev. | Count         | Min | Max     | Max |       |
| Alkalinity as CaCO3, @ pH 4.5    | mg/L   | 15              | 7       | 225    | 37.56667 | 67.16425 | 1             | <   | 10      | <   | 10    |
| Alkalinity, Bicarbonate as CaCO3 | mg/L   | 15              | 7.3     | 274    | 44.9     | 82.2     | 1             | <   | 10      | <   | 10    |
| Alkalinity, Carbonate as CaCO3   | mg/L   | 0               |         |        |          |          | 16            | <   | 2       | <   | 20    |
| Alkalinity, Hydroxide as CaCO3   | mg/L   | 0               |         |        |          |          | 6             | <   | 2       | <   | 10    |
| Bicarbonate as HCO3              | mg/L   | 6               | 8.9     | 19.9   | 15.0     | 4.5      | 1             | <   | 10      | <   | 10    |
| Cadmium, Dissolved               | mg/L   | 3               | 5.7E-05 | 0.0003 | 0.00014  | 0.00014  | 13            | <   | 0.00005 | <   | 0.001 |
| Calcium, Dissolved               | mg/L   | 16              | 119     | 375    | 233.6875 | 80.58347 | 0             |     |         |     |       |
| Carbonate as CO3                 | mg/L   | 0               |         |        |          |          | 6             | <   | 2       | <   | 20    |
| Hardness, Calcium                | mg/L   | 0               |         |        |          |          | 1             | <   | 2       | <   | 2     |
| Hydroxide as OH                  | mg/L   | 0               |         |        |          |          | 16            | <   | 2       | <   | 20    |
| Iron, Dissolved                  | mg/L   | 15              | 0.02    | 4.38   | 0.67     | 1.07     | 1             | <   | 0.1     | <   | 0.1   |
| Lead, Dissolved                  | mg/L   | 0               |         |        |          |          | 16            | <   | 0.03    | <   | 0.4   |
| Magnesium, Dissolved             | mg/L   | 16              | 28      | 288    | 104.4187 | 80.0048  | 0             |     |         |     |       |
| Manganese, Dissolved             | mg/L   | 16              | 0.056   | 1.67   | 0.382    | 0.496    | 0             |     |         |     |       |
| Mercury, Dissolved               | mg/L   | 0               |         |        |          |          | 16            | <   | 0.0002  | <   | 0.001 |
| Molybdenum, Dissolved            | mg/L   | 0               |         |        |          |          | 16            | <   | 0.02    | <   | 0.2   |
| NO3-NO2 Nitrogen                 | mg/L   | 8               | 0.02    | 0.33   | 0.09     | 0.12     | 8             | <   | 0.02    | <   | 0.1   |
| pH Temperature                   | Deg C  | 16              | 18      | 26     | 21.79375 | 1.866715 | 0             |     |         |     |       |
| pH, Field                        | S.U.   | 1               | 8.7     | 8.7    | 8.7      |          | 0             |     |         |     |       |
| pH, Lab                          | S.U.   | 16              | 7       | 8.3    | 7.8      | 0.4      | 0             |     |         |     |       |
| Phosphorus, Dissolved            | mg/L   | 1               | 0.01    | 0.01   | 0.01     |          | 0             |     |         |     |       |
| Phosphorus, Orthophosphorus      | mg/L   | 7               | 0.01    | 0.04   | 0.02     | 0.01     | 8             | <   | 0.01    | <   | 0.05  |
| Selenium, Dissolved              | mg/L   | 8               | 0.0001  | 0.0013 | 0.0004   | 0.0004   | 8             | <   | 0.0001  | <   | 0.001 |
| Sodium, Dissolved                | mg/L   | 16              | 55.8    | 355    | 224.3    | 77.9     | 0             |     |         |     |       |
| Specific Conductivity, Field     | ums/cm | 1               | 2160    | 2160   | 2160     |          | 0             |     |         |     |       |
| Specific Conductivity, Lab       | ums/cm | 16              | 1320    | 3500   | 2514.375 | 589.9714 | 0             |     |         |     |       |
| Sulfates                         | mg/L   | 16              | 370     | 1910   | 1245.063 | 411.9491 | 0             |     |         |     |       |
| Temperature, Field               | Deg C  | 1               | 9.7     | 9.7    | 9.7      |          | 0             |     |         |     |       |
| Total Dissolved Solids, Lab      | mg/L   | 16              | 900     | 3170   | 2121.25  | 636.049  | 0             |     |         |     |       |

< - denotes value is below detectable limits  
> - denotes value is above detectable limits



## Ground and Surface Water Quality Report

**Sample Point:** 087758 **Township:** 005N **Range:** 086W **Section:** 13

**Mine:** FOIDEL CREEK MINE **Northings:** 47765

**State:** CO **Easting:** 41776

**Drainage/Geologic Unit:** **Elevation:** 6720

**Date Range:** 10/01/2022 - 9/30/2023

**Date(s) of Collection:** 6/1/2023 9/23/2023

**Comment(s):**

Chemical

Unit

|                                              |          |           |      |
|----------------------------------------------|----------|-----------|------|
| Alkalinity as CaCO <sub>3</sub> , @ pH 4.5   | mg/L     | 460       |      |
| Alkalinity, Bicarbonate as CaCO <sub>3</sub> | mg/L     | 433       |      |
| Alkalinity, Carbonate as CaCO <sub>3</sub>   | mg/L     | 27.0      |      |
| Alkalinity, Hydroxide as CaCO <sub>3</sub>   | mg/L     | < 20      |      |
| Bicarbonate as HCO <sub>3</sub>              | mg/L     | 528       |      |
| Cadmium, Dissolved                           | mg/L     | 0.000082  |      |
| Calcium, Dissolved                           | mg/L     | 58.5      |      |
| Carbonate as CO <sub>3</sub>                 | mg/L     | 16.2      |      |
| Hydroxide as OH                              | mg/L     | < 20      |      |
| Indication Oil and Grease                    | Y/N      | N         |      |
| Iron, Dissolved                              | mg/L     | 0.181     |      |
| Lead, Dissolved                              | mg/L     | < 0.15    |      |
| Magnesium, Dissolved                         | mg/L     | 41.5      |      |
| Manganese, Dissolved                         | mg/L     | 0.035     |      |
| Mercury, Dissolved                           | mg/L     | < 0.001   |      |
| Molybdenum, Dissolved                        | mg/L     | < 0.1     |      |
| NO <sub>3</sub> -NO <sub>2</sub> Nitrogen    | mg/L     | 0.220     |      |
| pH Temperature                               | Deg C    | 21.7      |      |
| pH, Field                                    | S.U.     | 7.9       | 7.84 |
| pH, Lab                                      | S.U.     | 8.5       |      |
| Phosphorus, Orthophosphorus                  | mg/L     | < 0.05    |      |
| Selenium, Dissolved                          | mg/L     | < 0.00025 |      |
| Sodium, Dissolved                            | mg/L     | 216       |      |
| Specific Conductivity, Field                 | UMHOS/CM |           | 1480 |
| Specific Conductivity, Field                 | ums/cm   | 1490      |      |
| Specific Conductivity, Lab                   | ums/cm   | 1410      |      |
| Sulfates                                     | mg/L     | 351       |      |

|                             |       |             |
|-----------------------------|-------|-------------|
| Temperature, Field          | Deg C | 9.3         |
| Total Dissolved Solids, Lab | mg/L  | 9.2<br>1010 |

## Ground and Surface Water Quality Statistics Report

Sample Point 087758  
 Mine: FOIDEL CREEK MINE  
 State: CO  
 Drainage/Geologic Unit:  
 Date Range 10/01/1982 to 9/30/2023

Township 005N  
 Northing 47765  
 Easting 41776  
 Elevation 6720  
 Range: 086W  
 Section 13

| Parm Description                 | Units  | Uncensored Data |       |        |          |          | Censored Data |           |          |     |  |
|----------------------------------|--------|-----------------|-------|--------|----------|----------|---------------|-----------|----------|-----|--|
|                                  |        | Count           | Min   | Max    | Mean     | Std.Dev. | Count         | Min       | Max      | Max |  |
| Alkalinity as CaCO3, @ pH 4.5    | mg/L   | 16              | 351   | 460    | 431      | 26.30082 | 0             |           |          |     |  |
| Alkalinity, Bicarbonate as CaCO3 | mg/L   | 16              | 408   | 559    | 480.9375 | 49.79086 | 0             |           |          |     |  |
| Alkalinity, Carbonate as CaCO3   | mg/L   | 8               | 4     | 27     | 12.0625  | 8.790406 | 8             | < 2       | < 20     |     |  |
| Alkalinity, Hydroxide as CaCO3   | mg/L   | 0               |       |        |          |          | 6             | < 2       | < 10     |     |  |
| Bicarbonate as HCO3              | mg/L   | 6               | 498   | 561    | 525      | 23.3752  | 0             |           |          |     |  |
| Cadmium, Dissolved               | mg/L   | 3               | 6E-05 | 0.0001 | 0.0001   | 0.0000   | 13            | < 0.00005 | < 0.0005 |     |  |
| Calcium, Dissolved               | mg/L   | 16              | 51.2  | 131    | 83.2     | 28.7     | 0             |           |          |     |  |
| Carbonate as CO3                 | mg/L   | 3               | 8.3   | 16.2   | 12.1     | 4.0      | 2             | < 2       | < 10     |     |  |
| Hardness, Calcium                | mg/L   | 0               |       |        |          |          | 1             | < 2       | < 2      |     |  |
| Hydroxide as OH                  | mg/L   | 0               |       |        |          |          | 16            | < 2       | < 20     |     |  |
| Iron, Dissolved                  | mg/L   | 12              | 0.03  | 0.26   | 0.12     | 0.06     | 4             | < 0.05    | < 0.05   |     |  |
| Lead, Dissolved                  | mg/L   | 1               | 0.039 | 0.039  | 0.039    |          | 15            | < 0.03    | < 0.2    |     |  |
| Magnesium, Dissolved             | mg/L   | 16              | 35.6  | 91.8   | 57.4     | 19.9     | 0             |           |          |     |  |
| Manganese, Dissolved             | mg/L   | 14              | 0.01  | 0.035  | 0.018    | 0.007    | 2             | < 0.01    | < 0.03   |     |  |
| Mercury, Dissolved               | mg/L   | 0               |       |        |          |          | 16            | < 0.0002  | < 0.001  |     |  |
| Molybdenum, Dissolved            | mg/L   | 1               | 0.01  | 0.01   | 0.01     |          | 15            | < 0.02    | < 0.1    |     |  |
| NO3-NO2 Nitrogen                 | mg/L   | 10              | 0.02  | 1.19   | 0.18     | 0.36     | 6             | < 0.02    | < 0.1    |     |  |
| pH Temperature                   | Deg C  | 16              | 19.4  | 26     | 21.9     | 1.7      | 0             |           |          |     |  |
| pH, Field                        | S.U.   | 1               | 7.9   | 7.9    | 7.9      |          | 0             |           |          |     |  |
| pH, Lab                          | S.U.   | 16              | 8     | 8.5    | 8.3      | 0.2      | 0             |           |          |     |  |
| Phosphorus, Dissolved            | mg/L   | 0               |       |        |          |          | 1             | < 0.05    | < 0.05   |     |  |
| Phosphorus, Orthophosphorus      | mg/L   | 6               | 0.01  | 0.2    | 0.05     | 0.07     | 9             | < 0.01    | < 0.05   |     |  |
| Selenium, Dissolved              | mg/L   | 0               |       |        |          |          | 16            | < 0.0001  | < 0.0005 |     |  |
| Sodium, Dissolved                | mg/L   | 16              | 155   | 278    | 204.1875 | 32.39798 | 0             |           |          |     |  |
| Specific Conductivity, Field     | ums/cm | 1               | 1490  | 1490   | 1490     |          | 0             |           |          |     |  |
| Specific Conductivity, Lab       | ums/cm | 16              | 1410  | 1770   | 1575     | 135.4006 | 0             |           |          |     |  |
| Sulfates                         | mg/L   | 16              | 351   | 600    | 451.875  | 102.9595 | 0             |           |          |     |  |
| Temperature, Field               | Deg C  | 1               | 9.2   | 9.2    | 9.2      |          | 0             |           |          |     |  |
| Total Dissolved Solids, Lab      | mg/L   | 16              | 960   | 1280   | 1099.5   | 118.4624 | 0             |           |          |     |  |



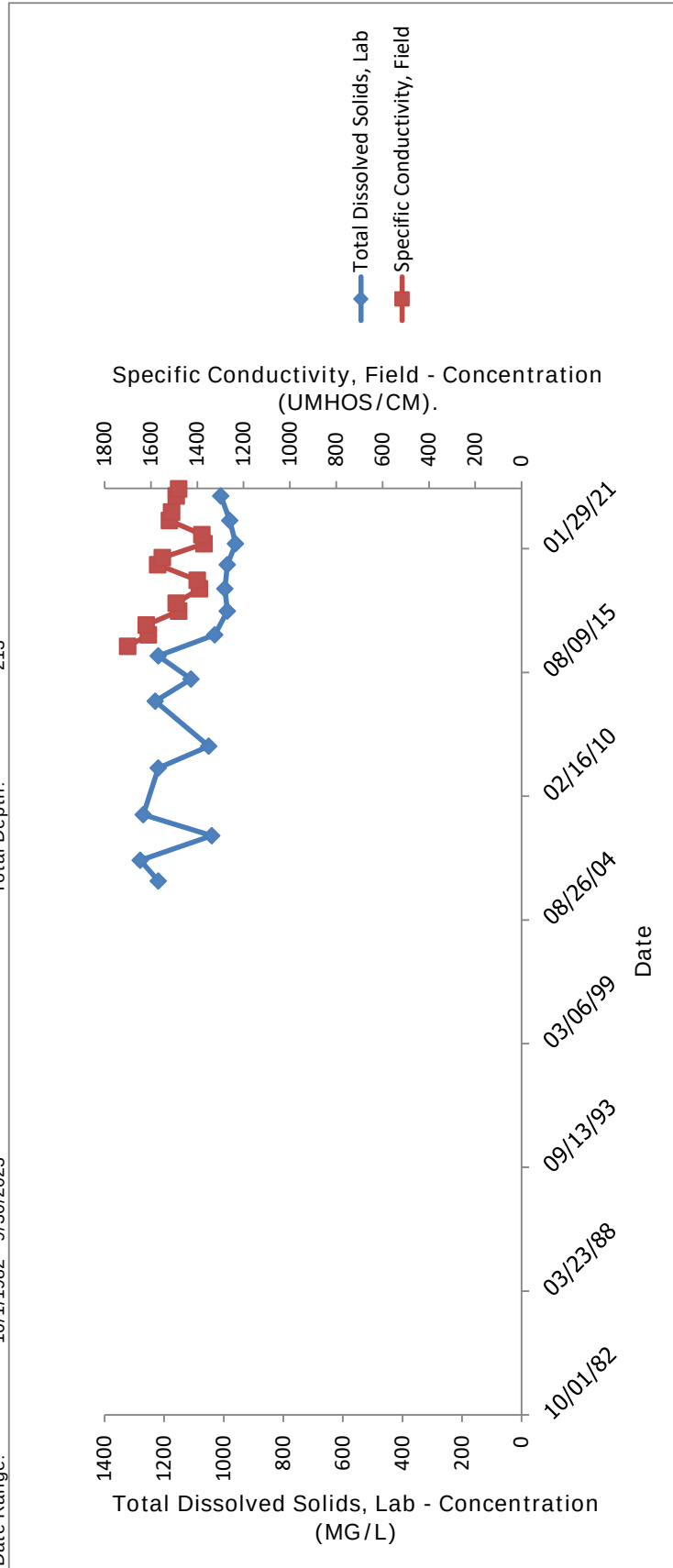
< - denotes value is below detectable limits  
> - denotes value is above detectable limits

## FOIDEL CREEK MINE - 087758

Sample Point: 087758  
Mine: FOIDEL CREEK MINE  
State: CO  
Drainage/Geologic Unit:  
Date Range: 10/1/1982 - 9/30/2023

Township: 005N  
Northing: 47765  
Easting: 41776  
Elevation: 6720  
Total Depth: 213

Range: 086W  
Section: 13



|                         |                        |            |       |        |      |          |   |
|-------------------------|------------------------|------------|-------|--------|------|----------|---|
| Sample Point:           | 09794                  | Township:  | 004N  | Range: | 086W | Section: | 4 |
| Mine:                   | FOIDEL CREEK MINE      | Northing:  | 27250 |        |      |          |   |
| State:                  | CO                     | Easting:   | 15170 |        |      |          |   |
| Drainage/Geologic Unit: |                        | Elevation: | 7005  |        |      |          |   |
| Date Range:             | 10/01/2022 - 9/30/2023 |            |       |        |      |          |   |

AR-01-45

|                             |       |     |
|-----------------------------|-------|-----|
| Temperature, Field          | Deg C | 9.8 |
| Total Dissolved Solids, Lab | mg/L  | 558 |

## Ground and Surface Water Quality Statistics Report

Sample Point 09794

Mine: FOIDEL CREEK MINE

State: CO

Drainage/Geologic Unit:

Date Range 10/01/1982 to 9/30/2023

Section 4

Range:

086W

Township 004N

Northing 27250

Easting 15170

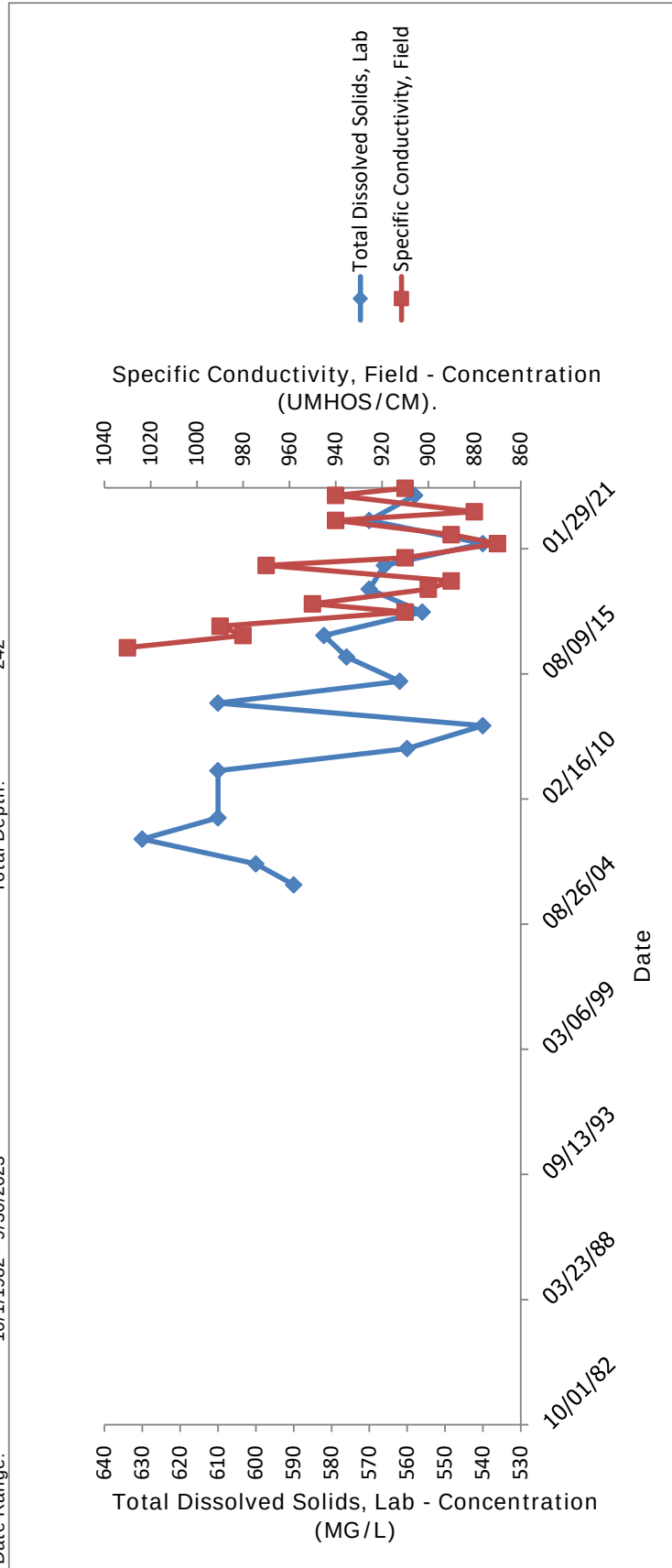
Elevation 7005

| Parm Description                 | Units  | Uncensored Data |         |        |          |          | Censored Data |           |          |        |  |
|----------------------------------|--------|-----------------|---------|--------|----------|----------|---------------|-----------|----------|--------|--|
|                                  |        | Count           | Min     | Max    | Mean     | Std.Dev. | Count         | Min       | Max      | Max    |  |
| Alkalinity as CaCO3, @ pH 4.5    | mg/L   | 17              | 325     | 392    | 362.0588 | 17.57651 | 0             |           |          |        |  |
| Alkalinity, Bicarbonate as CaCO3 | mg/L   | 17              | 319     | 478    | 398.9412 | 43.14434 | 0             |           |          |        |  |
| Alkalinity, Carbonate as CaCO3   | mg/L   | 12              | 3.8     | 36.5   | 12.0     | 9.0      | 5             | < 10      | < 20     | 20     |  |
| Alkalinity, Hydroxide as CaCO3   | mg/L   | 0               |         |        |          |          | 6             | < 2       | < 10     | 10     |  |
| Bicarbonate as HCO3              | mg/L   | 7               | 389     | 452    | 429.4286 | 20.96709 | 0             |           |          |        |  |
| Cadmium, Dissolved               | mg/L   | 2               | 6.3E-05 | 0.0002 | 0.00013  | 0.00010  | 15            | < 0.00005 | < 0.0005 | 0.0005 |  |
| Calcium, Dissolved               | mg/L   | 17              | 9.4     | 24.7   | 12.3     | 3.7      | 0             |           |          |        |  |
| Carbonate as CO3                 | mg/L   | 5               | 3.4     | 11.5   | 8.4      | 3.1      | 1             | < 10      | < 10     | 10     |  |
| Hardness, Calcium                | mg/L   | 1               | 6.3     | 6.3    | 6.3      |          | 0             |           |          |        |  |
| Hydroxide as OH                  | mg/L   | 0               |         |        |          |          | 17            | < 2       | < 20     | 20     |  |
| Iron, Dissolved                  | mg/L   | 16              | 0.02    | 1.12   | 0.18     | 0.27     | 1             | < 0.05    | < 0.05   | 0.05   |  |
| Lead, Dissolved                  | mg/L   | 0               |         |        |          |          | 17            | < 0.03    | < 0.2    | 0.2    |  |
| Magnesium, Dissolved             | mg/L   | 17              | 5.2     | 13.7   | 7.0      | 2.0      | 0             |           |          |        |  |
| Manganese, Dissolved             | mg/L   | 7               | 0.006   | 0.03   | 0.012    | 0.008    | 10            | < 0.005   | < 0.03   | 0.03   |  |
| Mercury, Dissolved               | mg/L   | 0               |         |        |          |          | 17            | < 0.0002  | < 0.001  | 0.001  |  |
| Molybdenum, Dissolved            | mg/L   | 0               |         |        |          |          | 17            | < 0.02    | < 0.1    | 0.1    |  |
| NO3-NO2 Nitrogen                 | mg/L   | 14              | 0.02    | 0.9    | 0.25     | 0.30     | 3             | < 0.1     | < 0.1    | 0.1    |  |
| pH Temperature                   | Deg C  | 17              | 19      | 25     | 21.68824 | 1.295127 | 0             |           |          |        |  |
| pH, Field                        | S.U.   | 1               | 7.6     | 7.6    | 7.6      |          | 0             |           |          |        |  |
| pH, Lab                          | S.U.   | 17              | 7.8     | 8.6    | 8.3      | 0.2      | 0             |           |          |        |  |
| Phosphorus, Dissolved            | mg/L   | 1               | 0.02    | 0.02   | 0.02     |          | 0             |           |          |        |  |
| Phosphorus, Orthophosphorus      | mg/L   | 12              | 0.01    | 0.16   | 0.03     | 0.04     | 4             | < 0.01    | < 0.05   | 0.05   |  |
| Selenium, Dissolved              | mg/L   | 1               | 0.0001  | 0.0001 | 0.0001   |          | 16            | < 0.0001  | < 0.0005 | 0.0005 |  |
| Sodium, Dissolved                | mg/L   | 17              | 176     | 212    | 191.1765 | 10.53112 | 0             |           |          |        |  |
| Specific Conductivity, Field     | ums/cm | 1               | 940     | 940    | 940      |          | 0             |           |          |        |  |
| Specific Conductivity, Lab       | ums/cm | 17              | 848     | 1010   | 916.9412 | 50.4399  | 0             |           |          |        |  |
| Sulfates                         | mg/L   | 17              | 110     | 150    | 127.6471 | 14.26947 | 0             |           |          |        |  |
| Temperature, Field               | Deg C  | 1               | 8.6     | 8.6    | 8.6      |          | 0             |           |          |        |  |
| Total Dissolved Solids, Lab      | mg/L   | 17              | 540     | 630    | 578.2353 | 26.27625 | 0             |           |          |        |  |

< - denotes value is below detectable limits  
> - denotes value is above detectable limits

# FOIDEL CREEK MINE - 09794

Sample Point: 09794 Township: 004N Range: 086W Section: 4  
 Mine: FOIDEL CREEK MINE Northing: 27250  
 State: CO Easting: 15170  
 Drainage/Geologic Unit: Elevation: 7005  
 Date Range: 10/1/1982 - 9/30/2023 Total Depth: 242



## Ground and Surface Water Quality Report

|                                              |                        |                   |       |               |      |                 |    |
|----------------------------------------------|------------------------|-------------------|-------|---------------|------|-----------------|----|
| <b>Sample Point:</b>                         | 93M001                 | <b>Township:</b>  | 005N  | <b>Range:</b> | 086W | <b>Section:</b> | 27 |
| <b>Mine:</b>                                 | FOIDEL CREEK MINE      | <b>Northing:</b>  | 35973 |               |      |                 |    |
| <b>State:</b>                                | CO                     | <b>Easting:</b>   | 28329 |               |      |                 |    |
| <b>Drainage/Geologic Unit:</b>               |                        | <b>Elevation:</b> | 7014  |               |      |                 |    |
| <b>Date Range:</b>                           | 10/01/2022 - 9/30/2023 |                   |       |               |      |                 |    |
| <b>Date(s) of Collection:</b>                | 6/20/2023              | 9/23/2023         |       |               |      |                 |    |
| <b>Comment(s):</b>                           | Chemical               |                   |       |               |      |                 |    |
| Alkalinity as CaCO <sub>3</sub> , @ pH 4.5   | mg/L                   | 37.5              |       |               |      |                 |    |
| Alkalinity, Bicarbonate as CaCO <sub>3</sub> | mg/L                   | 37.5              |       |               |      |                 |    |
| Alkalinity, Carbonate as CaCO <sub>3</sub>   | mg/L                   | < 20              |       |               |      |                 |    |
| Alkalinity, Hydroxide as CaCO <sub>3</sub>   | mg/L                   | < 20              |       |               |      |                 |    |
| Bicarbonate as HCO <sub>3</sub>              | mg/L                   | 45.8              |       |               |      |                 |    |
| Cadmium, Dissolved                           | mg/L                   | < 0.00025         |       |               |      |                 |    |
| Calcium, Dissolved                           | mg/L                   | 9.01              |       |               |      |                 |    |
| Carbonate as CO <sub>3</sub>                 | mg/L                   | < 20              |       |               |      |                 |    |
| Hydroxide as OH                              | mg/L                   | < 20              |       |               |      |                 |    |
| Indication Oil and Grease                    | Y/N                    | N                 |       |               |      |                 |    |
| Iron, Dissolved                              | mg/L                   | 1.25              |       |               |      |                 |    |
| Lead, Dissolved                              | mg/L                   | < 0.15            |       |               |      |                 |    |
| Magnesium, Dissolved                         | mg/L                   | 1.08              |       |               |      |                 |    |
| Manganese, Dissolved                         | mg/L                   | 0.065             |       |               |      |                 |    |
| Mercury, Dissolved                           | mg/L                   | < 0.001           |       |               |      |                 |    |
| Molybdenum, Dissolved                        | mg/L                   | < 0.1             |       |               |      |                 |    |
| NO <sub>3</sub> -NO <sub>2</sub> Nitrogen    | mg/L                   | < 0.1             |       |               |      |                 |    |
| pH Temperature                               | Deg C                  | 22.7              |       |               |      |                 |    |
| pH, Field                                    | S.U.                   | 9.5               |       |               |      | 9.55            |    |
| pH, Lab                                      | S.U.                   | 8.03              |       |               |      |                 |    |
| Phosphorus, Orthophosphorus                  | mg/L                   | 0.088             |       |               |      |                 |    |
| Selenium, Dissolved                          | mg/L                   | 0.00011           |       |               |      |                 |    |
| Sodium, Dissolved                            | mg/L                   | 1.60              |       |               |      |                 |    |
| Specific Conductivity, Field                 | UMHOS/CM               |                   |       |               |      | 1980            |    |
| Specific Conductivity, Field                 | ums/cm                 | 1950              |       |               |      |                 |    |
| Specific Conductivity, Lab                   | ums/cm                 | 74                |       |               |      |                 |    |
| Sulfates                                     | mg/L                   | < 50              |       |               |      |                 |    |



|                             |       |      |      |
|-----------------------------|-------|------|------|
| Temperature, Field          | Deg C | 15.4 | 13.1 |
| Total Dissolved Solids, Lab | mg/L  | 48   |      |

## Ground and Surface Water Quality Statistics Report

**Sample Point** 93M001  
**Mine:** FOIDEL CREEK MINE  
**State:** CO  
**Drainage/Geologic Unit:**  
**Date Range** 10/01/1982 to 9/30/2023

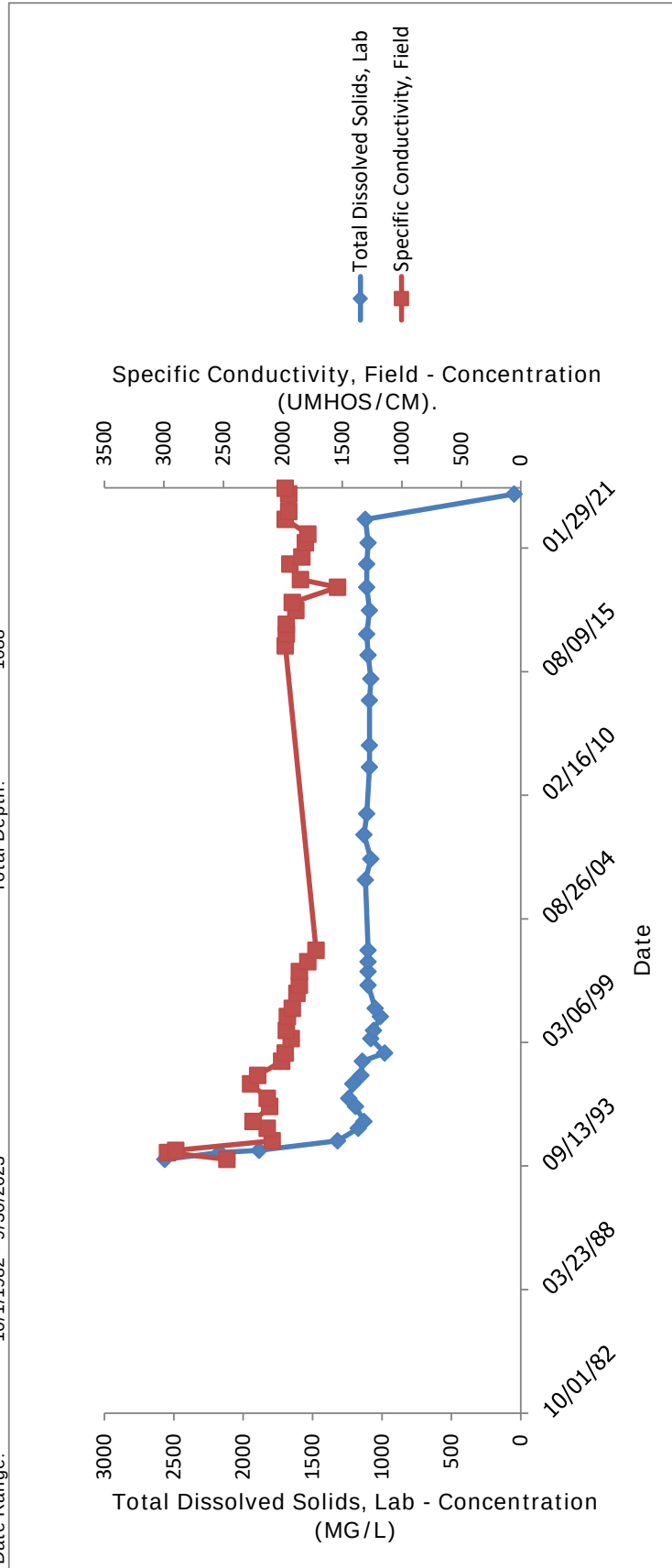
**Township** 005N  
**Northings** 35973  
**Easting** 28329  
**Elevation** 7014  
**Range:** 086W  
**Section** 27

| Parm Description                             | Units  | Uncensored Data |         |        |          | Censored Data |       |           |          |
|----------------------------------------------|--------|-----------------|---------|--------|----------|---------------|-------|-----------|----------|
|                                              |        | Count           | Min     | Max    | Mean     | Std.Dev.      | Count | Min       | Max      |
| Alkalinity as CaCO <sub>3</sub> , @ pH 4.5   | mg/L   | 16              | 37.5    | 1050   | 886.2    | 232.5         | 0     |           |          |
| Alkalinity, Bicarbonate as CaCO <sub>3</sub> | mg/L   | 15              | 37.5    | 818    | 677.2    | 195.1         | 0     |           |          |
| Alkalinity, Carbonate as CaCO <sub>3</sub>   | mg/L   | 15              | 151     | 339    | 227.4667 | 68.75928      | 1     | < 2       | < 2      |
| Alkalinity, Hydroxide as CaCO <sub>3</sub>   | mg/L   | 0               |         |        |          |               | 6     | < 2       | < 10     |
| Bicarbonate as HCO <sub>3</sub>              | mg/L   | 6               | 45.8    | 784    | 605.1    | 280.6         | 0     |           |          |
| Cadmium, Dissolved                           | mg/L   | 0               |         |        |          |               | 16    | < 0.00005 | < 0.0005 |
| Calcium, Dissolved                           | mg/L   | 16              | 1.3     | 17.8   | 3.0      | 4.4           | 0     |           |          |
| Carbonate as CO <sub>3</sub>                 | mg/L   | 5               | 195     | 739    | 307.6    | 241.18        | 1     | < 2       | < 2      |
| Hardness, Calcium                            | mg/L   | 1               | 331     | 331    | 331      |               | 0     |           |          |
| Hydroxide as OH                              | mg/L   | 0               |         |        |          |               | 16    | < 2       | < 20     |
| Iron, Dissolved                              | mg/L   | 11              | 0.02    | 1.25   | 0.17     | 0.36          | 5     | < 0.05    | < 0.06   |
| Lead, Dissolved                              | mg/L   | 0               |         |        |          |               | 16    | < 0.03    | < 0.2    |
| Magnesium, Dissolved                         | mg/L   | 16              | 0.8     | 1.5    | 1.1      | 0.2           | 0     |           |          |
| Manganese, Dissolved                         | mg/L   | 2               | 0.01    | 0.065  | 0.038    | 0.039         | 14    | < 0.005   | < 0.03   |
| Mercury, Dissolved                           | mg/L   | 0               |         |        |          |               | 16    | < 0.0002  | < 0.001  |
| Molybdenum, Dissolved                        | mg/L   | 5               | 0.01    | 0.02   | 0.02     | 0.01          | 11    | < 0.02    | < 0.1    |
| NO <sub>3</sub> -NO <sub>2</sub> Nitrogen    | mg/L   | 1               | 0.04    | 0.04   | 0.04     |               | 15    | < 0.02    | < 0.1    |
| pH Temperature                               | Deg C  | 16              | 18.5    | 25     | 21.9     | 1.4           | 0     |           |          |
| pH, Field                                    | S.U.   | 1               | 9.5     | 9.5    | 9.5      |               | 0     |           |          |
| pH, Lab                                      | S.U.   | 16              | 8.03    | 9.7    | 9.45     | 0.39          | 0     |           |          |
| Phosphorus, Dissolved                        | mg/L   | 1               | 0.02    | 0.02   | 0.02     |               | 0     |           |          |
| Phosphorus, Orthophosphorus                  | mg/L   | 15              | 0.02    | 0.088  | 0.034    | 0.016         | 0     |           |          |
| Selenium, Dissolved                          | mg/L   | 3               | 0.00011 | 0.0003 | 0.00020  | 0.00010       | 13    | < 0.0001  | < 0.0005 |
| Sodium, Dissolved                            | mg/L   | 16              | 1.6     | 471    | 409.0    | 110.2         | 0     |           |          |
| Specific Conductivity, Field                 | ums/cm | 1               | 1950    | 1950   | 1950     |               | 0     |           |          |
| Specific Conductivity, Lab                   | ums/cm | 16              | 74      | 1920   | 1756.5   | 450.1777      | 0     |           |          |
| Sulfates                                     | mg/L   | 6               | 10      | 30     | 15       | 8.3666        | 10    | < 10      | < 50     |
| Temperature, Field                           | Deg C  | 1               | 15.4    | 15.4   | 15.4     |               | 0     |           |          |
| Total Dissolved Solids, Lab                  | mg/L   | 16              | 48      | 1130   | 1036.125 | 263.9095      | 0     |           |          |

< - denotes value is below detectable limits  
> - denotes value is above detectable limits

# FOIDEL CREEK MINE - 93M001

Sample Point: 93M001  
 Mine: FOIDEL CREEK MINE  
 State: CO  
 Drainage/Geologic Unit:  
 Date Range: 10/1/1982 - 9/30/2023  
 Township: 005N  
 Northing: 35973  
 Easting: 28329  
 Elevation: 7014  
 Range: 086W  
 Section: 27  
 Total Depth: 1088



## Ground and Surface Water Quality Report

|                                |                        |                   |       |               |      |                 |    |
|--------------------------------|------------------------|-------------------|-------|---------------|------|-----------------|----|
| <b>Sample Point:</b>           | 95M001                 | <b>Township:</b>  | 005N  | <b>Range:</b> | 086W | <b>Section:</b> | 20 |
| <b>Mine:</b>                   | FOIDEL CREEK MINE      | <b>Northings:</b> | 39934 |               |      |                 |    |
| <b>State:</b>                  | CO                     | <b>Easting:</b>   | 18553 |               |      |                 |    |
| <b>Drainage/Geologic Unit:</b> |                        | <b>Elevation:</b> | 7185  |               |      |                 |    |
| <b>Date Range:</b>             | 10/01/2022 - 9/30/2023 |                   |       |               |      |                 |    |

**Date(s) of Collection:** 6/20/2023

**Comment(s):**

Chemical Unit

|                                              |        |           |
|----------------------------------------------|--------|-----------|
| Alkalinity as CaCO <sub>3</sub> , @ pH 4.5   | mg/L   | 1050      |
| Alkalinity, Bicarbonate as CaCO <sub>3</sub> | mg/L   | 721       |
| Alkalinity, Carbonate as CaCO <sub>3</sub>   | mg/L   | 328       |
| Alkalinity, Hydroxide as CaCO <sub>3</sub>   | mg/L   | < 20      |
| Bicarbonate as HCO <sub>3</sub>              | mg/L   | 880       |
| Cadmium, Dissolved                           | mg/L   | < 0.00025 |
| Calcium, Dissolved                           | mg/L   | 1.39      |
| Carbonate as CO <sub>3</sub>                 | mg/L   | 197       |
| Hydroxide as OH                              | mg/L   | < 20      |
| Indication Oil and Grease                    | Y/N    | N         |
| Iron, Dissolved                              | mg/L   | 0.159     |
| Lead, Dissolved                              | mg/L   | < 0.15    |
| Magnesium, Dissolved                         | mg/L   | 0.90      |
| Manganese, Dissolved                         | mg/L   | < 0.05    |
| Mercury, Dissolved                           | mg/L   | < 0.001   |
| Molybdenum, Dissolved                        | mg/L   | < 0.1     |
| NO <sub>3</sub> -NO <sub>2</sub> Nitrogen    | mg/L   | 0.026     |
| pH Temperature                               | Deg C  | 22.7      |
| pH, Field                                    | S.U.   | 8.8       |
| pH, Lab                                      | S.U.   | 9.64      |
| Phosphorus, Orthophosphorus                  | mg/L   | 0.044     |
| Selenium, Dissolved                          | mg/L   | < 0.00025 |
| Sodium, Dissolved                            | mg/L   | 431       |
| Specific Conductivity, Field                 | ums/cm | 1010      |
| Specific Conductivity, Lab                   | ums/cm | 1850      |
| Sulfates                                     | mg/L   | < 50      |
| Temperature, Field                           | Deg C  | 13.1      |

Total Dissolved Solids, Lab

mg/L

1040

## Ground and Surface Water Quality Statistics Report

**Sample Point** 95M001  
**Mine:** FOIDEL CREEK MINE  
**State:** CO  
**Drainage/Geologic Unit:**  
**Date Range** 10/01/1982 to 9/30/2023

**Township** 005N  
**Northing** 39934  
**Easting** 18553  
**Elevation** 7185  
**Range:** 086W  
**Section** 20

| Parm Description                             | Units  | Uncensored Data |        |        |          | Censored Data |       |           |         |
|----------------------------------------------|--------|-----------------|--------|--------|----------|---------------|-------|-----------|---------|
|                                              |        | Count           | Min    | Max    | Mean     | Std.Dev.      | Count | Min       | Max     |
| Alkalinity as CaCO <sub>3</sub> , @ pH 4.5   | mg/L   | 7               | 368    | 1050   | 560.4286 | 228.3352      | 0     |           |         |
| Alkalinity, Bicarbonate as CaCO <sub>3</sub> | mg/L   | 7               | 112    | 721    | 245.7143 | 213.5804      | 0     |           |         |
| Alkalinity, Carbonate as CaCO <sub>3</sub>   | mg/L   | 7               | 108    | 397    | 243.5714 | 96.71411      | 0     |           |         |
| Alkalinity, Hydroxide as CaCO <sub>3</sub>   | mg/L   | 0               |        |        |          |               | 2     | < 2       | < 2     |
| Bicarbonate as HCO <sub>3</sub>              | mg/L   | 2               | 163    | 880    | 521.5    | 506.9956      | 0     |           |         |
| Cadmium, Dissolved                           | mg/L   | 0               |        |        |          |               | 7     | < 0.00005 | < 0.03  |
| Calcium, Dissolved                           | mg/L   | 7               | 0.7    | 2.1    | 1.4      | 0.4           | 0     |           |         |
| Carbonate as CO <sub>3</sub>                 | mg/L   | 2               | 197    | 238    | 217.5    | 28.99138      | 0     |           |         |
| Hydroxide as OH                              | mg/L   | 0               |        |        |          |               | 7     | < 2       | < 20    |
| Iron, Dissolved                              | mg/L   | 6               | 0.03   | 0.159  | 0.100    | 0.045         | 1     | < 0.06    | < 0.06  |
| Lead, Dissolved                              | mg/L   | 0               |        |        |          |               | 7     | < 0.03    | < 0.2   |
| Magnesium, Dissolved                         | mg/L   | 4               | 0.6    | 0.9    | 0.7      | 0.2           | 3     | < 0.2     | < 1     |
| Manganese, Dissolved                         | mg/L   | 0               |        |        |          |               | 7     | < 0.01    | < 0.03  |
| Mercury, Dissolved                           | mg/L   | 0               |        |        |          |               | 7     | < 0.0002  | < 0.001 |
| Molybdenum, Dissolved                        | mg/L   | 6               | 0.037  | 0.07   | 0.051    | 0.012         | 1     | < 0.02    | < 0.02  |
| NO <sub>3</sub> -NO <sub>2</sub> Nitrogen    | mg/L   | 3               | 0.026  | 0.07   | 0.042    | 0.024         | 4     | < 0.02    | < 0.1   |
| pH Temperature                               | Deg C  | 7               | 18.2   | 23     | 21.0     | 1.9           | 0     |           |         |
| pH, Field                                    | S.U.   | 1               | 8.8    | 8.8    | 8.8      |               | 0     |           |         |
| pH, Lab                                      | S.U.   | 7               | 9.64   | 10.5   | 10.01    | 0.31          | 0     |           |         |
| Phosphorus, Dissolved                        | mg/L   | 1               | 0.61   | 0.61   | 0.61     |               | 0     |           |         |
| Phosphorus, Orthophosphorus                  | mg/L   | 6               | 0.044  | 4.3    | 1.582    | 1.446         | 0     |           |         |
| Selenium, Dissolved                          | mg/L   | 2               | 0.0001 | 0.0002 | 0.0002   | 0.0001        | 5     | < 0.0001  | < 0.01  |
| Sodium, Dissolved                            | mg/L   | 7               | 160    | 431    | 240.7143 | 87.16596      | 0     |           |         |
| Specific Conductivity, Field                 | ums/cm | 1               | 1010   | 1010   | 1010     |               | 0     |           |         |
| Specific Conductivity, Lab                   | ums/cm | 7               | 829    | 1850   | 1137     | 331.2497      | 0     |           |         |
| Sulfates                                     | mg/L   | 3               | 20     | 30     | 23.33333 | 5.773503      | 4     | < 20      | < 50    |
| Temperature, Field                           | Deg C  | 1               | 13.1   | 13.1   | 13.1     |               | 0     |           |         |
| Total Dissolved Solids, Lab                  | mg/L   | 7               | 550    | 1040   | 733.4286 | 182.9088      | 0     |           |         |

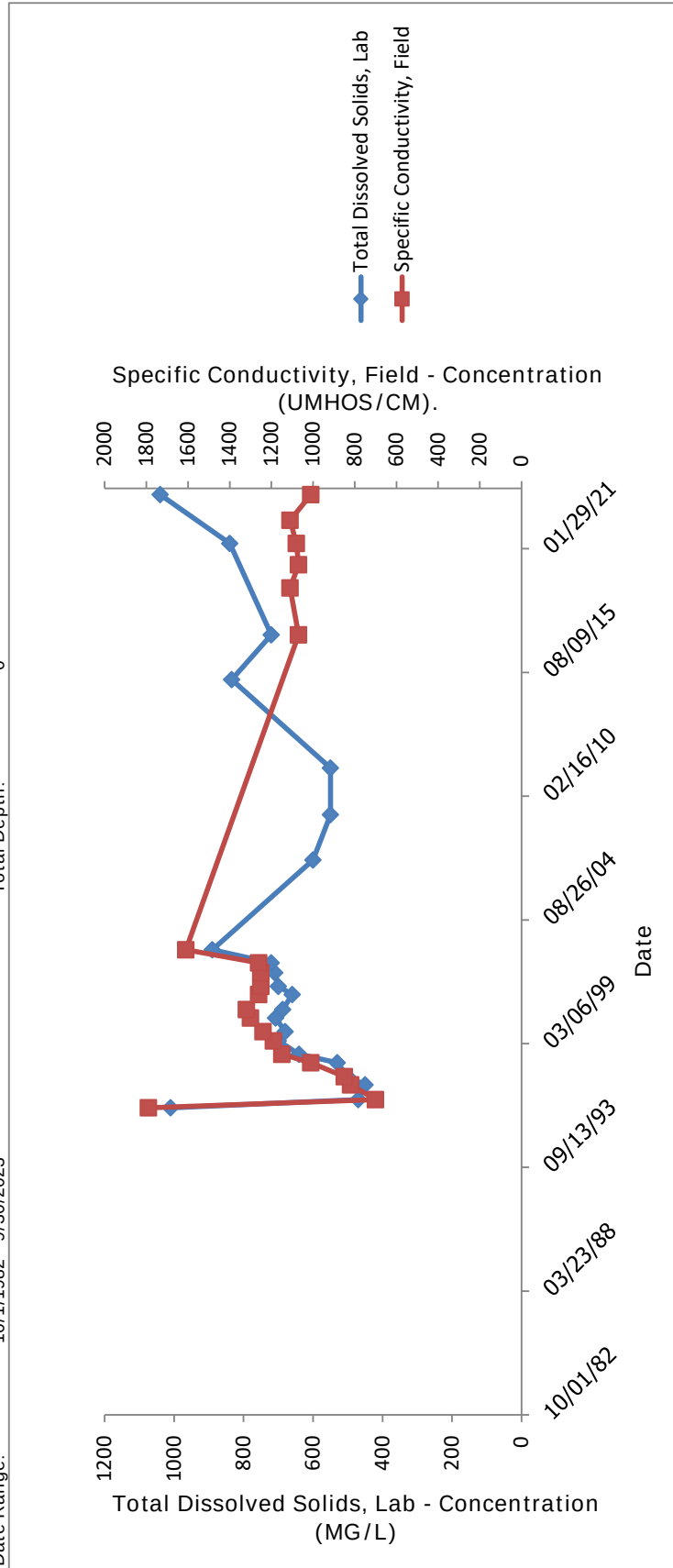
< - denotes value is below detectable limits

> - denotes value is above detectable limits



## FOIDEL CREEK MINE - 95M001

Sample Point: 95M001  
 Mine: FOIDEL CREEK MINE  
 State: CO  
 Drainage/Geologic Unit:  
 Date Range: 10/1/1982 - 9/30/2023  
 Township: 005N  
 Range: 086W  
 Section: 20  
 Northing: 39934  
 Easting: 18553  
 Elevation: 7185  
 Total Depth: 0



|                                |                        |                   |       |               |      |                 |   |
|--------------------------------|------------------------|-------------------|-------|---------------|------|-----------------|---|
| <b>Sample Point:</b>           | 97013TC                | <b>Township:</b>  | 005N  | <b>Range:</b> | 086W | <b>Section:</b> | 3 |
| <b>Mine:</b>                   | FOIDEL CREEK MINE      | <b>Northing:</b>  | 58386 |               |      |                 |   |
| <b>State:</b>                  | CO                     | <b>Easting:</b>   | 28927 |               |      |                 |   |
| <b>Drainage/Geologic Unit:</b> |                        | <b>Elevation:</b> | 6685  |               |      |                 |   |
| <b>Date Range:</b>             | 10/01/2022 - 9/30/2023 |                   |       |               |      |                 |   |

| Date(s) of Collection:           | 6/20/2023 |        |
|----------------------------------|-----------|--------|
| Comment(s):                      | Chemical  | Unit   |
| Alkalinity as CaCO3, @ pH 4.5    |           | mg/L   |
| Alkalinity, Bicarbonate as CaCO3 |           | mg/L   |
| Alkalinity, Carbonate as CaCO3   |           | mg/L   |
| Alkalinity, Hydroxide as CaCO3   |           | mg/L   |
| Bicarbonate as HCO3              |           | mg/L   |
| Cadmium, Dissolved               |           | mg/L   |
| Calcium, Dissolved               |           | mg/L   |
| Carbonate as CO3                 |           | mg/L   |
| Hydroxide as OH                  |           | mg/L   |
| Indication Oil and Grease        |           | Y/N    |
| Iron, Dissolved                  |           | mg/L   |
| Lead, Dissolved                  |           | mg/L   |
| Magnesium, Dissolved             |           | mg/L   |
| Manganese, Dissolved             |           | mg/L   |
| Mercury, Dissolved               |           | mg/L   |
| Molybdenum, Dissolved            |           | mg/L   |
| NO3-NO2 Nitrogen                 |           | mg/L   |
| pH Temperature                   |           | Deg C  |
| pH, Field                        |           | S.U.   |
| pH, Lab                          |           | S.U.   |
| Phosphorus, Orthophosphorus      |           | mg/L   |
| Selenium, Dissolved              |           | mg/L   |
| Sodium, Dissolved                |           | mg/L   |
| Specific Conductivity, Field     |           | ums/cm |
| Specific Conductivity, Lab       |           | ums/cm |
| Sulfates                         |           | mg/L   |
| Temperature, Field               |           | Deg C  |

Total Dissolved Solids, Lab  
mg/L  
700

## Ground and Surface Water Quality Statistics Report

**Sample Point** 97013TC  
**Mine:** FOIDEL CREEK MINE  
**State:** CO  
**Drainage/Geologic Unit:**  
**Date Range** 10/01/1982 to 9/30/2023

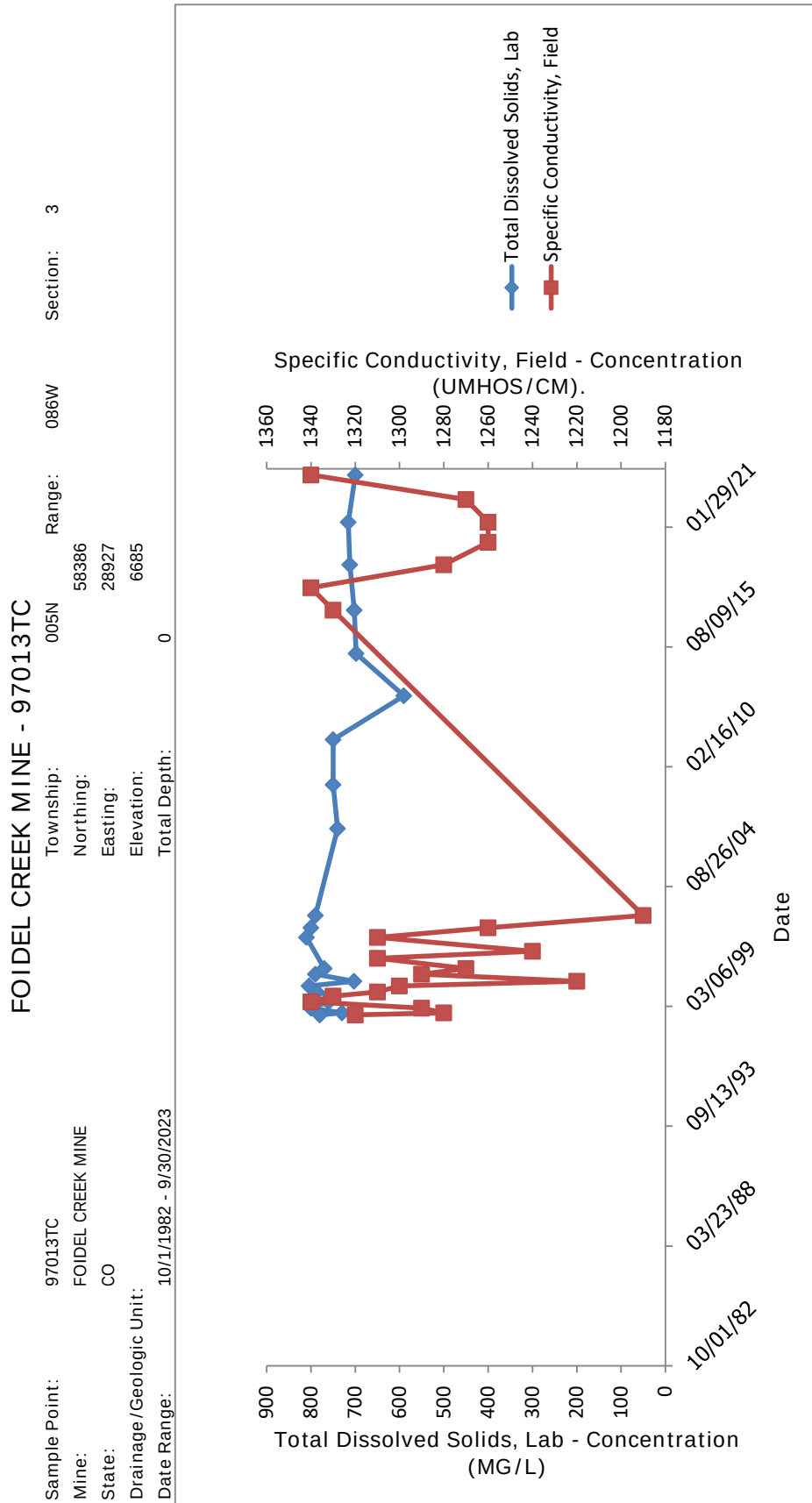
**Township** 005N  
**Northing** 58386  
**Easting** 28927  
**Elevation** 6685

**Range:** 086W  
**Section** 3

| Parm Description                             | Units  | Uncensored Data |        |          |          | Censored Data |       |     |         |
|----------------------------------------------|--------|-----------------|--------|----------|----------|---------------|-------|-----|---------|
|                                              |        | Count           | Min    | Max      | Mean     | Std.Dev.      | Count | Min | Max     |
| Alkalinity as CaCO <sub>3</sub> , @ pH 4.5   | mg/L   | 9               | 413    | 572      | 487.5555 | 57.26716      | 0     |     |         |
| Alkalinity, Bicarbonate as CaCO <sub>3</sub> | mg/L   | 9               | 114    | 371      | 236.6667 | 103.091       | 0     |     |         |
| Alkalinity, Carbonate as CaCO <sub>3</sub>   | mg/L   | 9               | 74     | 400      | 221.5556 | 135.4115      | 0     |     |         |
| Alkalinity, Hydroxide as CaCO <sub>3</sub>   | mg/L   | 0               |        |          |          |               | 3     | <   | 2       |
| Bicarbonate as HCO <sub>3</sub>              | mg/L   | 3               | 140    | 250      | 183.3333 | 58.59465      | 0     |     | 10      |
| Cadmium, Dissolved                           | mg/L   | 2               | 8E-05  | 0.000114 | 0.000097 | 0.000024      | 7     | <   | 0.00005 |
| Calcium, Dissolved                           | mg/L   | 9               | 0.5    | 1.9      | 1.2      | 0.5           | 0     |     | 0.0005  |
| Carbonate as CO <sub>3</sub>                 | mg/L   | 3               | 220    | 240      | 228.3333 | 10.40833      | 0     |     |         |
| Hydroxide as OH                              | mg/L   | 0               |        |          |          |               | 9     | <   | 2       |
| Iron, Dissolved                              | mg/L   | 8               | 0.13   | 0.7      | 0.34     | 0.20          | 1     | <   | 0.05    |
| Lead, Dissolved                              | mg/L   | 0               |        |          |          |               | 9     | <   | 0.03    |
| Magnesium, Dissolved                         | mg/L   | 3               | 0.2    | 1.6      | 0.7      | 0.8           | 6     | <   | 0.2     |
| Manganese, Dissolved                         | mg/L   | 2               | 0.008  | 0.028    | 0.018    | 0.014         | 7     | <   | 0.01    |
| Mercury, Dissolved                           | mg/L   | 0               |        |          |          |               | 9     | <   | 0.0002  |
| Molybdenum, Dissolved                        | mg/L   | 6               | 0.02   | 0.06     | 0.03     | 0.02          | 3     | <   | 0.05    |
| NO <sub>3</sub> -NO <sub>2</sub> Nitrogen    | mg/L   | 4               | 0.02   | 0.19     | 0.07     | 0.08          | 5     | <   | 0.1     |
| pH Temperature                               | Deg C  | 9               | 19.5   | 23.7     | 21.7     | 1.2           | 0     |     | 0.1     |
| pH, Field                                    | S.U.   | 1               | 10.3   | 10.3     | 10.3     |               | 0     |     |         |
| pH, Lab                                      | S.U.   | 9               | 9.5    | 10.5     | 10.0     | 0.4           | 0     |     |         |
| Phosphorus, Dissolved                        | mg/L   | 1               | 0.04   | 0.04     | 0.04     |               | 0     |     |         |
| Phosphorus, Orthophosphorus                  | mg/L   | 8               | 0.05   | 0.202    | 0.107    | 0.049         | 0     |     |         |
| Selenium, Dissolved                          | mg/L   | 5               | 0.0001 | 0.00336  | 0.00142  | 0.00131       | 4     | <   | 0.0001  |
| Sodium, Dissolved                            | mg/L   | 9               | 221    | 290      | 269.2222 | 20.27793      | 0     |     | 0.0005  |
| Specific Conductivity, Field                 | ums/cm | 1               | 1340   | 1340     | 1340     |               | 0     |     |         |
| Specific Conductivity, Lab                   | ums/cm | 9               | 1020   | 1330     | 1235.556 | 86.0394       | 0     |     |         |
| Sulfates                                     | mg/L   | 9               | 76     | 200      | 127.2222 | 48.7693       | 0     |     |         |
| Temperature, Field                           | Deg C  | 1               | 14.6   | 14.6     | 14.6     |               | 0     |     |         |
| Total Dissolved Solids, Lab                  | mg/L   | 9               | 590    | 750      | 706.4445 | 48.39192      | 0     |     |         |

< - denotes value is below detectable limits

> - denotes value is above detectable limits



## Ground and Surface Water Quality Report

Section: 3

086W

Range:

Township: 005N  
Northing: 58298  
Easting: 28570  
Elevation: 6672

97013TM

FOIDEL CREEK MINE

CO

Drainage/Geologic Unit:  
Date Range: 10/01/2022 - 9/30/2023

Date(s) of Collection:

6/20/2023

9/23/2023

Comment(s):

no WL  
ML, casing leaking

Chemical

Unit

Alkalinity as CaCO<sub>3</sub>, @ pH 4.5

mg/L

490

Alkalinity, Bicarbonate as CaCO<sub>3</sub>

mg/L

373

Alkalinity, Carbonate as CaCO<sub>3</sub>

mg/L

117

Alkalinity, Hydroxide as CaCO<sub>3</sub>

mg/L

&lt; 20

Bicarbonate as HCO<sub>3</sub>

mg/L

455

Cadmium, Dissolved

mg/L

0.000059

Calcium, Dissolved

mg/L

1.52

Carbonate as CO<sub>3</sub>

mg/L

70.3

Hydroxide as OH

mg/L

&lt; 20

Indication Oil and Grease

Y/N

N

Iron, Dissolved

mg/L

0.779

Lead, Dissolved

mg/L

&lt; 0.15

Magnesium, Dissolved

mg/L

0.35

Manganese, Dissolved

mg/L

0.014

Mercury, Dissolved

mg/L

&lt; 0.001

Molybdenum, Dissolved

mg/L

&lt; 0.1

NO<sub>3</sub>-NO<sub>2</sub> Nitrogen

mg/L

&lt; 0.1

pH Temperature

Deg C

22.4

pH, Field

S.U.

9.3

pH, Lab

S.U.

9.36

Phosphorus, Orthophosphorus

mg/L

0.089

Selenium, Dissolved

mg/L

0.00026

Sodium, Dissolved

mg/L

264

Specific Conductivity, Field

UMHOS/CM

1460

Specific Conductivity, Field

ums/cm

1260

Specific Conductivity, Lab

ums/cm

1180

Sulfates

mg/L

147

|                             |       |      |      |
|-----------------------------|-------|------|------|
| Temperature, Field          | Deg C | 11.8 | 12.8 |
| Total Dissolved Solids, Lab | mg/L  | 720  |      |



## Ground and Surface Water Quality Statistics Report

Sample Point 97013TM  
 Mine: FOIDEL CREEK MINE  
 State: CO  
 Drainage/Geologic Unit:  
 Date Range 10/01/1982 to 9/30/2023

Township 005N  
 Northing 58298  
 Easting 28570  
 Elevation 6672

Range: 086W Section 3

| Parm Description                 | Units  | Uncensored Data |         |        |          |          | Censored Data |     |         |        |  |
|----------------------------------|--------|-----------------|---------|--------|----------|----------|---------------|-----|---------|--------|--|
|                                  |        | Count           | Min     | Max    | Mean     | Std.Dev. | Count         | Min | Max     | Max    |  |
| Alkalinity as CaCO3, @ pH 4.5    | mg/L   | 17              | 318     | 491    | 425.4706 | 52.13578 | 0             |     |         |        |  |
| Alkalinity, Bicarbonate as CaCO3 | mg/L   | 17              | 232     | 414    | 331.5294 | 45.81501 | 0             |     |         |        |  |
| Alkalinity, Carbonate as CaCO3   | mg/L   | 17              | 59      | 153    | 95.11765 | 27.48316 | 0             |     |         |        |  |
| Alkalinity, Hydroxide as CaCO3   | mg/L   | 0               |         |        |          |          | 6             | <   | 2       | <      |  |
| Bicarbonate as HCO3              | mg/L   | 6               | 355     | 455    | 402.5    | 37.15777 | 0             |     |         | 10     |  |
| Cadmium, Dissolved               | mg/L   | 2               | 5.9E-05 | 0.0004 | 0.00023  | 0.00024  | 15            | <   | 0.00005 | <      |  |
| Calcium, Dissolved               | mg/L   | 17              | 1       | 3.06   | 1.31     | 0.54     | 0             |     |         | 0.0005 |  |
| Carbonate as CO3                 | mg/L   | 5               | 70.3    | 91.8   | 79.0     | 7.9      | 0             |     |         |        |  |
| Hardness, Calcium                | mg/L   | 1               | 113     | 113    | 113      |          | 0             |     |         |        |  |
| Hydroxide as OH                  | mg/L   | 0               |         |        |          |          | 17            | <   | 2       | <      |  |
| Iron, Dissolved                  | mg/L   | 17              | 0.05    | 0.972  | 0.289    | 0.285    | 0             |     |         | 20     |  |
| Lead, Dissolved                  | mg/L   | 0               |         |        |          |          | 17            | <   | 0.03    | <      |  |
| Magnesium, Dissolved             | mg/L   | 14              | 0.3     | 0.6    | 0.4      | 0.1      | 3             | <   | 1       | <      |  |
| Manganese, Dissolved             | mg/L   | 3               | 0.006   | 0.014  | 0.009    | 0.004    | 14            | <   | 0.005   | <      |  |
| Mercury, Dissolved               | mg/L   | 0               |         |        |          |          | 17            | <   | 0.0002  | <      |  |
| Molybdenum, Dissolved            | mg/L   | 0               |         |        |          |          | 17            | <   | 0.02    | <      |  |
| NO3-NO2 Nitrogen                 | mg/L   | 4               | 0.02    | 0.05   | 0.03     | 0.01     | 13            | <   | 0.02    | <      |  |
| pH Temperature                   | Deg C  | 17              | 19.7    | 27     | 22.0     | 1.6      | 0             |     |         |        |  |
| pH, Field                        | S.U.   | 1               | 9.3     | 9.3    | 9.3      |          | 0             |     |         |        |  |
| pH, Lab                          | S.U.   | 17              | 9.3     | 9.7    | 9.5      | 0.1      | 0             |     |         |        |  |
| Phosphorus, Dissolved            | mg/L   | 1               | 0.06    | 0.06   | 0.06     |          | 0             |     |         |        |  |
| Phosphorus, Orthophosphorus      | mg/L   | 16              | 0.03    | 0.123  | 0.064    | 0.024    | 0             |     |         |        |  |
| Selenium, Dissolved              | mg/L   | 5               | 0.0001  | 0.0015 | 0.0006   | 0.0006   | 12            | <   | 0.0001  | <      |  |
| Sodium, Dissolved                | mg/L   | 17              | 207     | 274    | 245.7647 | 19.78803 | 0             |     |         | 0.0005 |  |
| Specific Conductivity, Field     | ums/cm | 1               | 1260    | 1260   | 1260     |          | 0             |     |         |        |  |
| Specific Conductivity, Lab       | ums/cm | 17              | 933     | 1270   | 1101.941 | 80.63225 | 0             |     |         |        |  |
| Sulfates                         | mg/L   | 17              | 60      | 150    | 130.3529 | 22.54424 | 0             |     |         |        |  |
| Temperature, Field               | Deg C  | 1               | 11.8    | 11.8   | 11.8     |          | 0             |     |         |        |  |
| Total Dissolved Solids, Lab      | mg/L   | 17              | 540     | 748    | 664.8235 | 53.10866 | 0             |     |         |        |  |

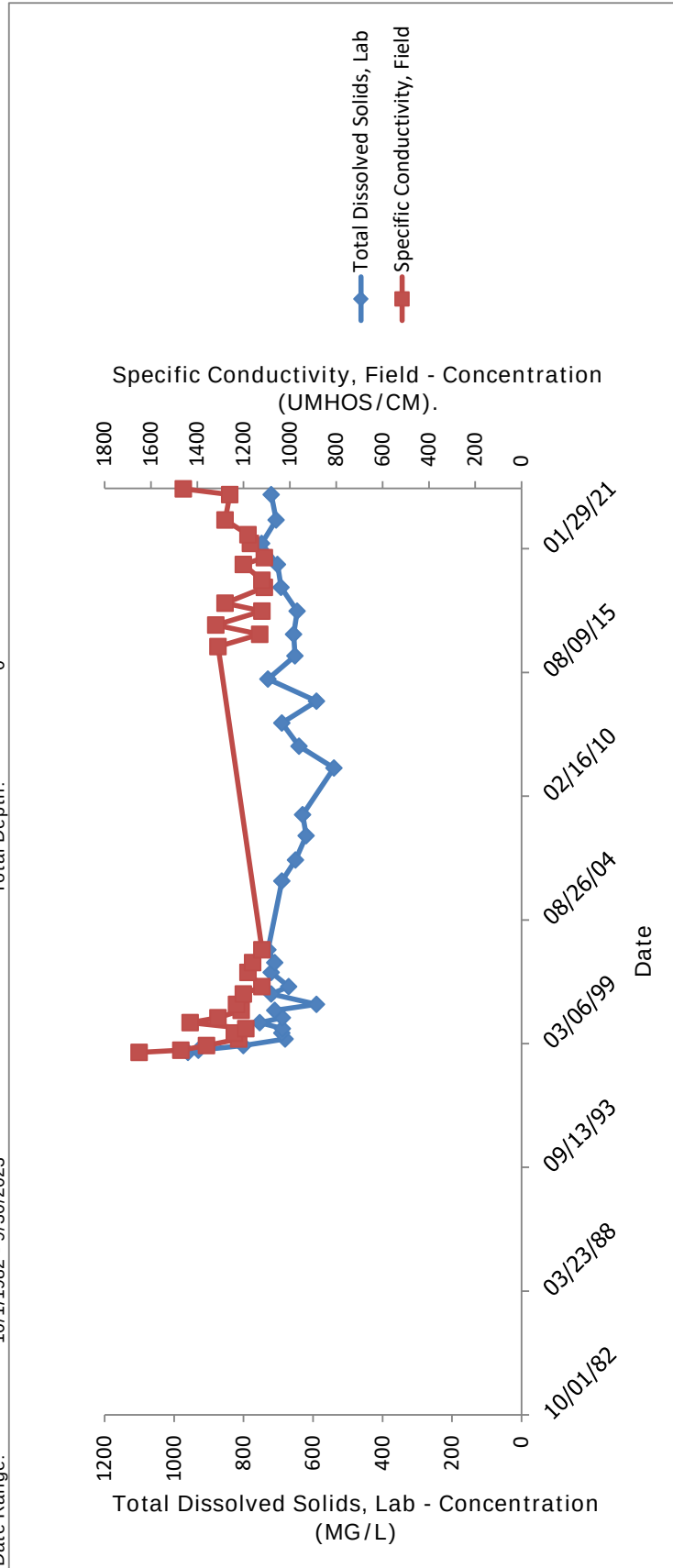
< - denotes value is below detectable limits  
> - denotes value is above detectable limits

FOIDEL CREEK MINE - 97013TM

Sample Point: 97013TM  
 Mine: FOIDEL CREEK MINE  
 State: CO  
 Drainage/Geologic Unit:  
 Date Range: 10/1/1982 - 9/30/2023

Township: 005N  
 Range: 086W  
 Section: 3

Northings: 58298  
 Eastings: 28570  
 Elevation: 6672  
 Total Depth: 0



## Ground and Surface Water Quality Report

|                                              |                        |                   |       |               |      |                 |      |
|----------------------------------------------|------------------------|-------------------|-------|---------------|------|-----------------|------|
| <b>Sample Point:</b>                         | ASHLEY                 | <b>Township:</b>  | 005N  | <b>Range:</b> | 086W | <b>Section:</b> | 22   |
| <b>Mine:</b>                                 | FOIDEL CREEK MINE      | <b>Northings:</b> | 41368 |               |      |                 |      |
| <b>State:</b>                                | CO                     | <b>Easting:</b>   | 32046 |               |      |                 |      |
| <b>Drainage/Geologic Unit:</b>               |                        | <b>Elevation:</b> | 6820  |               |      |                 |      |
| <b>Date Range:</b>                           | 10/01/2022 - 9/30/2023 |                   |       |               |      |                 |      |
| <b>Date(s) of Collection:</b>                | 6/1/2023               | 9/23/2023         |       |               |      |                 |      |
| <b>Comment(s):</b>                           | no WL                  | no WL             |       |               |      |                 |      |
|                                              | Chemical               | Unit              |       |               |      |                 |      |
| Alkalinity as CaCO <sub>3</sub> , @ pH 4.5   | mg/L                   | 431               |       |               |      |                 |      |
| Alkalinity, Bicarbonate as CaCO <sub>3</sub> | mg/L                   | 404               |       |               |      |                 |      |
| Alkalinity, Carbonate as CaCO <sub>3</sub>   | mg/L                   | 27.1              |       |               |      |                 |      |
| Alkalinity, Hydroxide as CaCO <sub>3</sub>   | mg/L                   | < 20              |       |               |      |                 |      |
| Bicarbonate as HCO <sub>3</sub>              | mg/L                   | 493               |       |               |      |                 |      |
| Cadmium, Dissolved                           | mg/L                   | < 0.00025         |       |               |      |                 |      |
| Calcium, Dissolved                           | mg/L                   | 5.47              |       |               |      |                 |      |
| Carbonate as CO <sub>3</sub>                 | mg/L                   | 16.2              |       |               |      |                 |      |
| Hydroxide as OH                              | mg/L                   | < 20              |       |               |      |                 |      |
| Indication Oil and Grease                    | Y/N                    | N                 |       |               |      |                 |      |
| Iron, Dissolved                              | mg/L                   | < 0.15            |       |               |      |                 |      |
| Lead, Dissolved                              | mg/L                   | < 0.15            |       |               |      |                 |      |
| Magnesium, Dissolved                         | mg/L                   | 1.30              |       |               |      |                 |      |
| Manganese, Dissolved                         | mg/L                   | 0.010             |       |               |      |                 |      |
| Mercury, Dissolved                           | mg/L                   | < 0.001           |       |               |      |                 |      |
| Molybdenum, Dissolved                        | mg/L                   | 0.021             |       |               |      |                 |      |
| NO <sub>3</sub> -NO <sub>2</sub> Nitrogen    | mg/L                   | 2.34              |       |               |      |                 |      |
| pH Temperature                               | Deg C                  | 22.2              |       |               |      |                 |      |
| pH, Field                                    | S.U.                   | 8.2               |       |               |      |                 | 7.68 |
| pH, Lab                                      | S.U.                   | 8.6               |       |               |      |                 |      |
| Phosphorus, Orthophosphorus                  | mg/L                   | 0.030             |       |               |      |                 |      |
| Selenium, Dissolved                          | mg/L                   | 0.00101           |       |               |      |                 |      |
| Sodium, Dissolved                            | mg/L                   | 209               |       |               |      |                 |      |
| Specific Conductivity, Field                 | UMHOS/CM               |                   |       |               |      |                 | 900  |
| Specific Conductivity, Field                 | ums/cm                 | 970               |       |               |      |                 |      |
| Specific Conductivity, Lab                   | ums/cm                 | 904               |       |               |      |                 |      |
| Sulfates                                     | mg/L                   | 77                |       |               |      |                 |      |

|                             |       |      |      |
|-----------------------------|-------|------|------|
| Temperature, Field          | Deg C | 12.8 | 12.9 |
| Total Dissolved Solids, Lab | mg/L  | 576  |      |

## Ground and Surface Water Quality Statistics Report

**Sample Point** ASHLEY  
**Mine:** FOIDEL CREEK MINE  
**State:** CO  
**Drainage/Geologic Unit:**  
**Date Range** 10/01/1982 to 9/30/2023

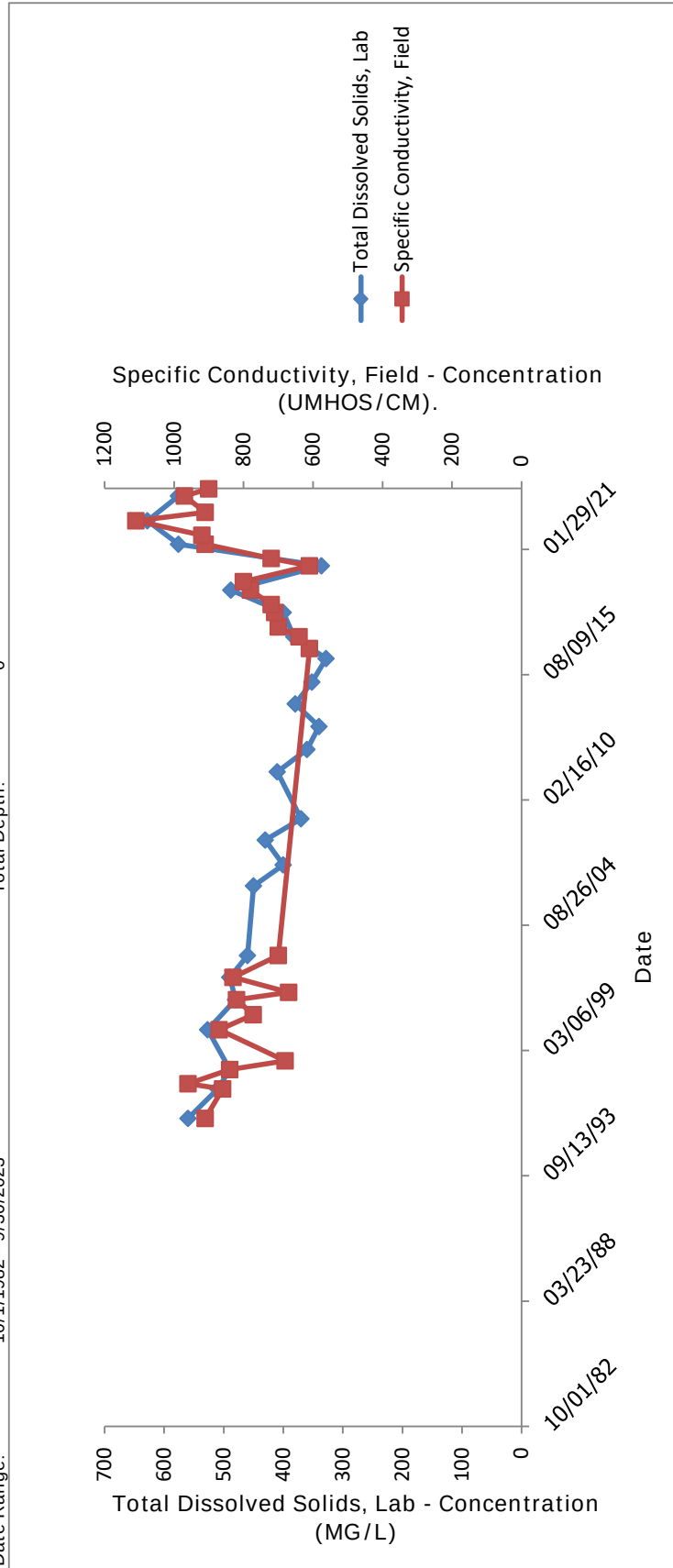
**Township** 005N  
**Northings** 41368  
**Easting** 32046  
**Elevation** 6820  
**Range:** 086W  
**Section** 22

| Parm Description                             | Units  | Uncensored Data |         |        |          | Censored Data |       |           |          |
|----------------------------------------------|--------|-----------------|---------|--------|----------|---------------|-------|-----------|----------|
|                                              |        | Count           | Min     | Max    | Mean     | Std.Dev.      | Count | Min       | Max      |
| Alkalinity as CaCO <sub>3</sub> , @ pH 4.5   | mg/L   | 17              | 268     | 469    | 335.2353 | 60.7706       | 0     |           |          |
| Alkalinity, Bicarbonate as CaCO <sub>3</sub> | mg/L   | 16              | 308     | 461    | 370.625  | 36.35175      | 0     |           |          |
| Alkalinity, Carbonate as CaCO <sub>3</sub>   | mg/L   | 6               | 3       | 56.9   | 29.1     | 23.0          | 11    | < 2       | < 20     |
| Alkalinity, Hydroxide as CaCO <sub>3</sub>   | mg/L   | 0               |         |        |          |               | 6     | < 2       | < 10     |
| Bicarbonate as HCO <sub>3</sub>              | mg/L   | 6               | 322     | 502    | 432.8333 | 70.22084      | 0     |           |          |
| Cadmium, Dissolved                           | mg/L   | 5               | 0.0001  | 0.0017 | 0.0005   | 0.0007        | 12    | < 0.00005 | < 0.0005 |
| Calcium, Dissolved                           | mg/L   | 17              | 1.95    | 86.3   | 42.86    | 29.22         | 0     |           |          |
| Carbonate as CO <sub>3</sub>                 | mg/L   | 5               | 15.8    | 392    | 98.2     | 164.5         | 1     | < 2       | < 2      |
| Hardness, Calcium                            | mg/L   | 0               |         |        |          |               | 1     | < 2       | < 2      |
| Hydroxide as OH                              | mg/L   | 0               |         |        |          |               | 17    | < 2       | < 20     |
| Iron, Dissolved                              | mg/L   | 5               | 0.03    | 0.25   | 0.08     | 0.09          | 12    | < 0.03    | < 0.06   |
| Lead, Dissolved                              | mg/L   | 1               | 0.04    | 0.04   | 0.04     |               | 16    | < 0.03    | < 0.2    |
| Magnesium, Dissolved                         | mg/L   | 17              | 0.42    | 23.7   | 11.06    | 7.76          | 0     |           |          |
| Manganese, Dissolved                         | mg/L   | 5               | 0.006   | 0.017  | 0.011    | 0.004         | 12    | < 0.01    | < 0.03   |
| Mercury, Dissolved                           | mg/L   | 0               |         |        |          |               | 17    | < 0.0002  | < 0.001  |
| Molybdenum, Dissolved                        | mg/L   | 3               | 0.021   | 0.042  | 0.028    | 0.012         | 14    | < 0.02    | < 0.1    |
| NO <sub>3</sub> -NO <sub>2</sub> Nitrogen    | mg/L   | 17              | 0.2     | 2.77   | 0.99     | 0.78          | 0     |           |          |
| pH Temperature                               | Deg C  | 17              | 19      | 26     | 21.93529 | 1.632843      | 0     |           |          |
| pH, Field                                    | S.U.   | 1               | 8.2     | 8.2    | 8.2      |               | 0     |           |          |
| pH, Lab                                      | S.U.   | 17              | 7.8     | 8.9    | 8.2      | 0.3           | 0     |           |          |
| Phosphorus, Dissolved                        | mg/L   | 1               | 0.02    | 0.02   | 0.02     |               | 0     |           |          |
| Phosphorus, Orthophosphorus                  | mg/L   | 13              | 0.014   | 0.05   | 0.027    | 0.009         | 3     | < 0.05    | < 0.05   |
| Selenium, Dissolved                          | mg/L   | 11              | 0.00062 | 0.0011 | 0.00084  | 0.00015       | 6     | < 0.0001  | < 0.0003 |
| Sodium, Dissolved                            | mg/L   | 17              | 33.7    | 238    | 102.5    | 69.9          | 0     |           |          |
| Specific Conductivity, Field                 | ums/cm | 1               | 970     | 970    | 970      |               | 0     |           |          |
| Specific Conductivity, Lab                   | ums/cm | 17              | 542     | 1030   | 699.353  | 141.7158      | 0     |           |          |
| Sulfates                                     | mg/L   | 17              | 30      | 77     | 47.35294 | 15.81511      | 0     |           |          |
| Temperature, Field                           | Deg C  | 1               | 12.8    | 12.8   | 12.8     |               | 0     |           |          |
| Total Dissolved Solids, Lab                  | mg/L   | 17              | 328     | 628    | 423.8824 | 91.47806      | 0     |           |          |

< - denotes value is below detectable limits  
> - denotes value is above detectable limits

## FOIDEL CREEK MINE - ASHLEY

Sample Point: ASHLEY  
 Mine: FOIDEL CREEK MINE  
 State: CO  
 Drainage/Geologic Unit:  
 Date Range: 10/1/1982 - 9/30/2023  
 Township: 005N  
 Northing: 41368  
 Easting: 32046  
 Elevation: 6820  
 Total Depth: 0  
 Range: 086W  
 Section: 22





## Ground and Surface Water Quality Report

|                                              |                        |                   |       |               |      |                 |    |
|----------------------------------------------|------------------------|-------------------|-------|---------------|------|-----------------|----|
| <b>Sample Point:</b>                         | FBR2                   | <b>Township:</b>  | 005N  | <b>Range:</b> | 086W | <b>Section:</b> | 12 |
| <b>Mine:</b>                                 | FOIDEL CREEK MINE      | <b>Northings:</b> | 53026 |               |      |                 |    |
| <b>State:</b>                                | CO                     | <b>Easting:</b>   | 39025 |               |      |                 |    |
| <b>Drainage/Geologic Unit:</b>               |                        | <b>Elevation:</b> | 6794  |               |      |                 |    |
| <b>Date Range:</b>                           | 10/01/2022 - 9/30/2023 |                   |       |               |      |                 |    |
| <b>Date(s) of Collection:</b>                | 6/20/2023              | 9/23/2023         |       |               |      |                 |    |
| <b>Comment(s):</b>                           | Chemical               |                   |       |               |      |                 |    |
| Alkalinity as CaCO <sub>3</sub> , @ pH 4.5   | mg/L                   | 1050              |       |               |      |                 |    |
| Alkalinity, Bicarbonate as CaCO <sub>3</sub> | mg/L                   | 917               |       |               |      |                 |    |
| Alkalinity, Carbonate as CaCO <sub>3</sub>   | mg/L                   | 135               |       |               |      |                 |    |
| Alkalinity, Hydroxide as CaCO <sub>3</sub>   | mg/L                   | < 20              |       |               |      |                 |    |
| Bicarbonate as HCO <sub>3</sub>              | mg/L                   | 1120              |       |               |      |                 |    |
| Cadmium, Dissolved                           | mg/L                   | < 0.00025         |       |               |      |                 |    |
| Calcium, Dissolved                           | mg/L                   | 5.32              |       |               |      |                 |    |
| Carbonate as CO <sub>3</sub>                 | mg/L                   | 80.8              |       |               |      |                 |    |
| Hydroxide as OH                              | mg/L                   | < 20              |       |               |      |                 |    |
| Indication Oil and Grease                    | Y/N                    | N                 |       |               |      |                 |    |
| Iron, Dissolved                              | mg/L                   | 0.262             |       |               |      |                 |    |
| Lead, Dissolved                              | mg/L                   | < 0.15            |       |               |      |                 |    |
| Magnesium, Dissolved                         | mg/L                   | 2.21              |       |               |      |                 |    |
| Manganese, Dissolved                         | mg/L                   | 0.014             |       |               |      |                 |    |
| Mercury, Dissolved                           | mg/L                   | < 0.001           |       |               |      |                 |    |
| Molybdenum, Dissolved                        | mg/L                   | < 0.1             |       |               |      |                 |    |
| NO <sub>3</sub> -NO <sub>2</sub> Nitrogen    | mg/L                   | < 0.1             |       |               |      |                 |    |
| pH Temperature                               | Deg C                  | 22.8              |       |               |      |                 |    |
| pH, Field                                    | S.U.                   | 8.8               |       |               |      | 8.78            |    |
| pH, Lab                                      | S.U.                   | 8.98              |       |               |      |                 |    |
| Phosphorus, Orthophosphorus                  | mg/L                   | 0.025             |       |               |      |                 |    |
| Selenium, Dissolved                          | mg/L                   | < 0.00025         |       |               |      |                 |    |
| Sodium, Dissolved                            | mg/L                   | 451               |       |               |      |                 |    |
| Specific Conductivity, Field                 | UMHOS/CM               |                   |       |               |      | 1950            |    |
| Specific Conductivity, Field                 | ums/cm                 | 1970              |       |               |      |                 |    |
| Specific Conductivity, Lab                   | ums/cm                 | 1850              |       |               |      |                 |    |
| Sulfates                                     | mg/L                   | < 50              |       |               |      |                 |    |

|                             |       |      |    |
|-----------------------------|-------|------|----|
| Temperature, Field          | Deg C | 13.8 | 13 |
| Total Dissolved Solids, Lab | mg/L  | 1050 |    |

## Ground and Surface Water Quality Statistics Report

| <b>Sample Point</b>                          | FBR2                    | <b>Township</b>        | 005N       | <b>Range:</b> | 086W        | <b>Section</b>       | 12                    |
|----------------------------------------------|-------------------------|------------------------|------------|---------------|-------------|----------------------|-----------------------|
| <b>Mine:</b>                                 | FOIDEL CREEK MINE       | <b>Northing</b>        | 53026      |               |             |                      |                       |
| <b>State:</b>                                | CO                      | <b>Easting</b>         | 39025      |               |             |                      |                       |
| <b>Drainage/Geologic Unit:</b>               |                         | <b>Elevation</b>       | 6794       |               |             |                      |                       |
| <b>Date Range</b>                            | 10/01/1982 to 9/30/2023 |                        |            |               |             |                      |                       |
| <b>Param Description</b>                     | <b>Units</b>            | <b>Uncensored Data</b> |            |               |             | <b>Censored Data</b> |                       |
|                                              |                         | <b>Count</b>           | <b>Min</b> | <b>Max</b>    | <b>Mean</b> | <b>Std.Dev.</b>      | <b>Count</b>          |
| Alkalinity as CaCO <sub>3</sub> , @ pH 4.5   | mg/L                    | 15                     | 784        | 1070          | 936.8       | 79.44288             | 0                     |
| Alkalinity, Bicarbonate as CaCO <sub>3</sub> | mg/L                    | 14                     | 716        | 1190          | 948.6429    | 134.4708             | 0                     |
| Alkalinity, Carbonate as CaCO <sub>3</sub>   | mg/L                    | 15                     | 54         | 135           | 85.91333    | 28.081               | 0                     |
| Alkalinity, Hydroxide as CaCO <sub>3</sub>   | mg/L                    | 0                      |            |               |             |                      | 5 < 2 < 2             |
| Bicarbonate as HCO <sub>3</sub>              | mg/L                    | 5                      | 768        | 1120          | 954         | 135.8989             | 0                     |
| Cadmium, Dissolved                           | mg/L                    | 0                      |            |               |             |                      | 15 < 0.00005 < 0.0005 |
| Calcium, Dissolved                           | mg/L                    | 15                     | 3.5        | 6.7           | 5.0         | 0.7                  | 0                     |
| Carbonate as CO <sub>3</sub>                 | mg/L                    | 5                      | 73.2       | 937           | 249.0       | 384.6                | 0                     |
| Hardness, Calcium                            | mg/L                    | 1                      | 130        | 130           | 130         |                      | 0                     |
| Hydroxide as OH                              | mg/L                    | 0                      |            |               |             |                      | 15 < 2 < 20           |
| Iron, Dissolved                              | mg/L                    | 15                     | 0.03       | 0.73          | 0.23        | 0.17                 | 0                     |
| Lead, Dissolved                              | mg/L                    | 1                      | 0.03       | 0.03          | 0.03        |                      | 14 < 0.03 < 0.2       |
| Magnesium, Dissolved                         | mg/L                    | 15                     | 1.7        | 2.5           | 2.2         | 0.2                  | 0                     |
| Manganese, Dissolved                         | mg/L                    | 9                      | 0.007      | 0.014         | 0.010       | 0.003                | 6 < 0.005 < 0.03      |
| Mercury, Dissolved                           | mg/L                    | 0                      |            |               |             |                      | 15 < 0.0002 < 0.001   |
| Molybdenum, Dissolved                        | mg/L                    | 0                      |            |               |             |                      | 15 < 0.02 < 0.1       |
| NO <sub>3</sub> -NO <sub>2</sub> Nitrogen    | mg/L                    | 1                      | 0.02       | 0.02          | 0.02        |                      | 14 < 0.02 < 0.1       |
| pH Temperature                               | Deg C                   | 15                     | 20.8       | 26            | 22.1        | 1.5                  | 0                     |
| pH, Field                                    | S.U.                    | 1                      | 8.8        | 8.8           | 8.8         |                      | 0                     |
| pH, Lab                                      | S.U.                    | 15                     | 8.6        | 9.2           | 8.9         | 0.1                  | 0                     |
| Phosphorus, Dissolved                        | mg/L                    | 1                      | 0.02       | 0.02          | 0.02        |                      | 0                     |
| Phosphorus, Orthophosphorus                  | mg/L                    | 12                     | 0.01       | 0.158         | 0.037       | 0.039                | 2 < 0.02 < 0.05       |
| Selenium, Dissolved                          | mg/L                    | 0                      |            |               |             |                      | 15 < 0.0001 < 0.0005  |
| Sodium, Dissolved                            | mg/L                    | 15                     | 377        | 485           | 431.4667    | 29.81578             | 0                     |
| Specific Conductivity, Field                 | ums/cm                  | 1                      | 1970       | 1970          | 1970        |                      | 0                     |
| Specific Conductivity, Lab                   | ums/cm                  | 15                     | 1610       | 1910          | 1812.667    | 73.62712             | 0                     |
| Sulfates                                     | mg/L                    | 4                      | 10         | 54            | 21          | 22                   | 11 < 10 < 50          |
| Temperature, Field                           | Deg C                   | 1                      | 13.8       | 13.8          | 13.8        |                      | 0                     |
| Total Dissolved Solids, Lab                  | mg/L                    | 15                     | 940        | 1170          | 1094        | 55.90809             | 0                     |

< - denotes value is below detectable limits  
> - denotes value is above detectable limits

# FOIDEL CREEK MINE - FBR2

Section: 12

Range: 086W

005N

Township: 005N

53026

Northings: 53026

39025

Easting: 39025

6794

Elevation: 6794

Total Depth: 0

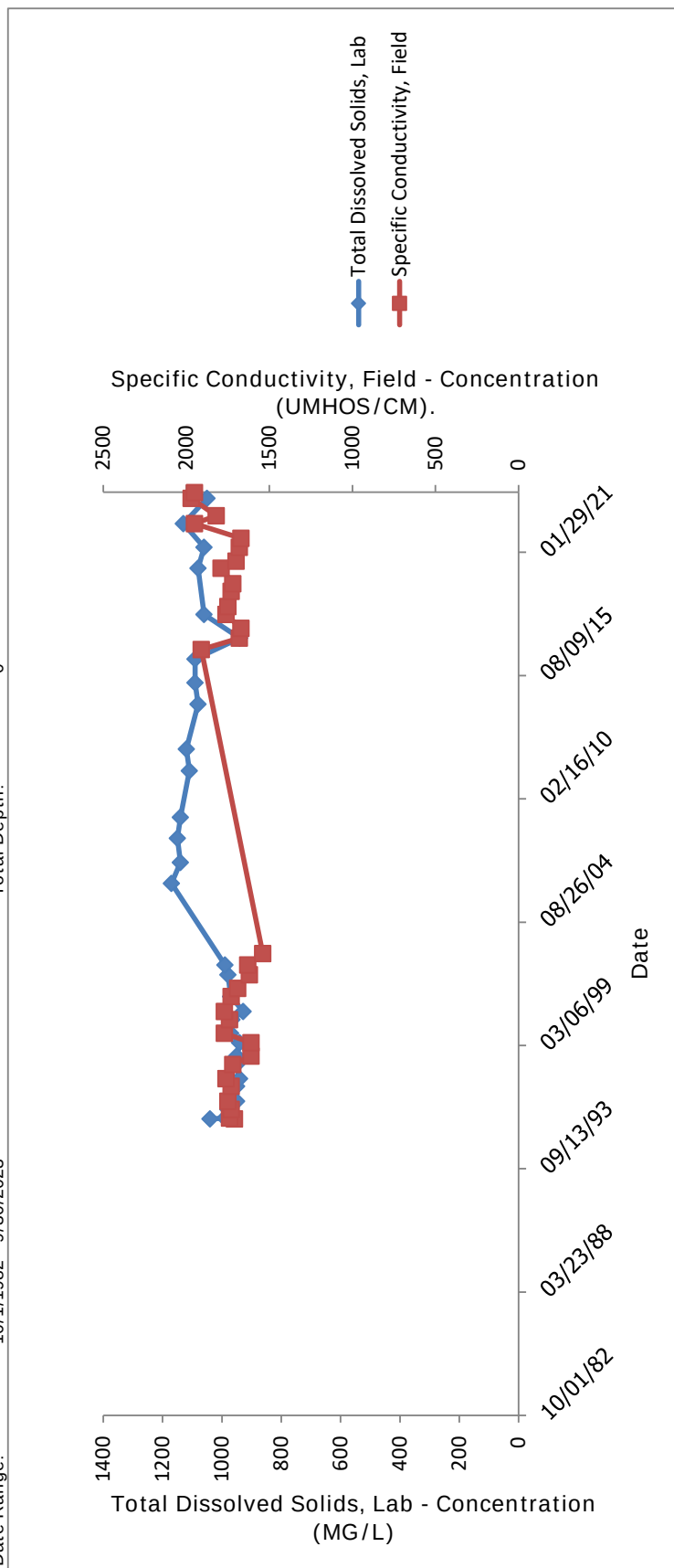
Sample Point: FBR2

Mine: FOIDEL CREEK MINE

State: CO

Drainage/Geologic Unit:

Date Range: 10/1/1982 - 9/30/2023



|                                |                        |                   |       |               |      |                 |    |
|--------------------------------|------------------------|-------------------|-------|---------------|------|-----------------|----|
| <b>Sample Point:</b>           | FBR2E                  | <b>Township:</b>  | 005N  | <b>Range:</b> | 086W | <b>Section:</b> | 12 |
| <b>Mine:</b>                   | FOIDEL CREEK MINE      | <b>Northing:</b>  | 52928 |               |      |                 |    |
| <b>State:</b>                  | CO                     | <b>Easting:</b>   | 40831 |               |      |                 |    |
| <b>Drainage/Geologic Unit:</b> |                        | <b>Elevation:</b> | 6794  |               |      |                 |    |
| <b>Date Range:</b>             | 10/01/2022 - 9/30/2023 |                   |       |               |      |                 |    |

AR-01-80

Total Dissolved Solids, Lab  
mg/L  
254

## Ground and Surface Water Quality Statistics Report

**Sample Point** FBR2E  
**Mine:** FOIDEL CREEK MINE  
**State:** CO  
**Drainage/Geologic Unit:** 10/01/1982 to 9/30/2023  
**Date Range**

**Township** 005N  
**Northing** 52928  
**Easting** 40831  
**Elevation** 6794  
**Range:** 086W  
**Section** 12

| Parm Description                             | Units  | Uncensored Data |        |        |          | Censored Data |       |           |          |
|----------------------------------------------|--------|-----------------|--------|--------|----------|---------------|-------|-----------|----------|
|                                              |        | Count           | Min    | Max    | Mean     | Std.Dev.      | Count | Min       | Max      |
| Alkalinity as CaCO <sub>3</sub> , @ pH 4.5   | mg/L   | 9               | 135    | 929    | 439.4445 | 257.5073      | 0     |           |          |
| Alkalinity, Bicarbonate as CaCO <sub>3</sub> | mg/L   | 9               | 21     | 795    | 367.5555 | 227.0237      | 0     |           |          |
| Alkalinity, Carbonate as CaCO <sub>3</sub>   | mg/L   | 8               | 2.1    | 138    | 79.2     | 53.3          | 1     | < 10      | < 10     |
| Alkalinity, Hydroxide as CaCO <sub>3</sub>   | mg/L   | 0               |        |        |          |               | 4     | < 2       | < 10     |
| Bicarbonate as HCO <sub>3</sub>              | mg/L   | 4               | 277    | 970    | 541.5    | 317.6292      | 0     |           |          |
| Cadmium, Dissolved                           | mg/L   | 0               |        |        |          |               | 9     | < 0.00005 | < 0.0005 |
| Calcium, Dissolved                           | mg/L   | 9               | 0.9    | 7.99   | 3.27     | 2.45          | 0     |           |          |
| Carbonate as CO <sub>3</sub>                 | mg/L   | 3               | 4.1    | 80.4   | 40.6     | 38.3          | 1     | < 10      | < 10     |
| Hydroxide as OH                              | mg/L   | 0               |        |        |          |               | 9     | < 2       | < 20     |
| Iron, Dissolved                              | mg/L   | 9               | 0.06   | 1.62   | 0.30     | 0.50          | 0     |           |          |
| Lead, Dissolved                              | mg/L   | 0               |        |        |          |               | 9     | < 0.03    | < 0.2    |
| Magnesium, Dissolved                         | mg/L   | 7               | 0.3    | 2.51   | 1.10     | 0.81          | 2     | < 1       | < 1      |
| Manganese, Dissolved                         | mg/L   | 4               | 0.069  | 0.173  | 0.121    | 0.049         | 5     | < 0.01    | < 0.03   |
| Mercury, Dissolved                           | mg/L   | 0               |        |        |          |               | 9     | < 0.0002  | < 0.001  |
| Molybdenum, Dissolved                        | mg/L   | 0               |        |        |          |               | 9     | < 0.02    | < 0.1    |
| NO <sub>3</sub> -NO <sub>2</sub> Nitrogen    | mg/L   | 3               | 0.051  | 0.43   | 0.224    | 0.192         | 6     | < 0.02    | < 0.1    |
| pH Temperature                               | Deg C  | 9               | 19.6   | 24     | 22.4     | 1.3           | 0     |           |          |
| pH, Field                                    | S.U.   | 1               | 7.7    | 7.7    | 7.7      |               | 0     |           |          |
| pH, Lab                                      | S.U.   | 9               | 8.3    | 9.8    | 9.0      | 0.7           | 0     |           |          |
| Phosphorus, Dissolved                        | mg/L   | 1               | 0.05   | 0.05   | 0.05     |               | 0     |           |          |
| Phosphorus, Orthophosphorus                  | mg/L   | 4               | 0.01   | 0.05   | 0.03     | 0.02          | 4     | < 0.01    | < 0.05   |
| Selenium, Dissolved                          | mg/L   | 2               | 0.0003 | 0.0008 | 0.0006   | 0.0004        | 7     | < 0.0001  | < 0.0005 |
| Sodium, Dissolved                            | mg/L   | 9               | 42.8   | 417    | 160.4    | 139.5         | 0     |           |          |
| Specific Conductivity, Field                 | ums/cm | 1               | 1180   | 1180   | 1180     |               | 0     |           |          |
| Specific Conductivity, Lab                   | ums/cm | 9               | 246    | 1770   | 870.4445 | 476.3555      | 0     |           |          |
| Sulfates                                     | mg/L   | 3               | 20     | 20     | 20       | 0             | 6     | < 20      | < 50     |
| Temperature, Field                           | Deg C  | 1               | 12.9   | 12.9   | 12.9     |               | 0     |           |          |
| Total Dissolved Solids, Lab                  | mg/L   | 9               | 96     | 1100   | 422.2222 | 336.4899      | 0     |           |          |

< - denotes value is below detectable limits



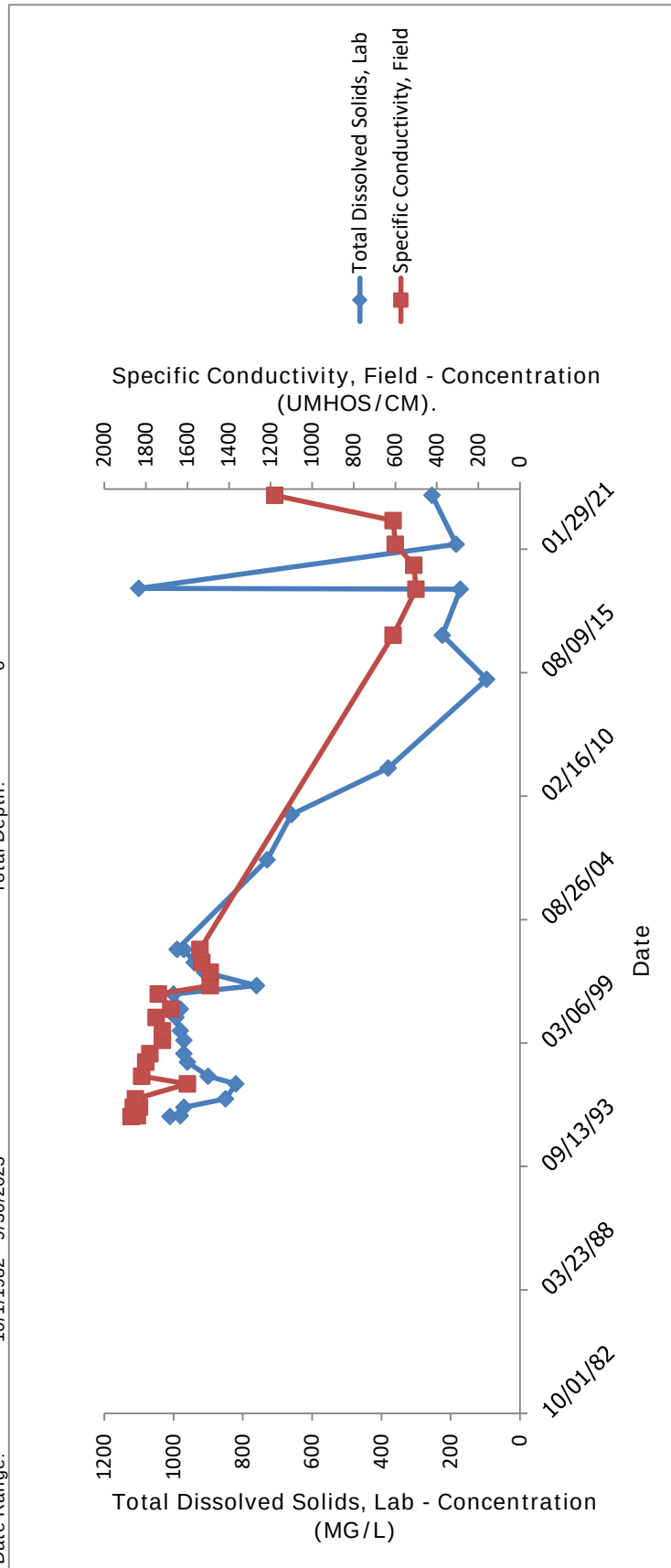
> - denotes value is above detectable limits

# FOIDEL CREEK MINE - FBR2E

Sample Point: FBR2E  
 Mine: FOIDEL CREEK MINE  
 State: CO  
 Drainage/Geologic Unit:  
 Date Range: 10/1/1982 - 9/30/2023

Township: 005N  
 Northing: 52928  
 Easting: 40831  
 Elevation: 6794  
 Total Depth: 0

Range: 086W  
 Section: 12



Foidel Creek Mine  
2023 Annual Report  
Attachment 2  
Alluvial Well Data

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Foidel Creek Mine  
2023 Annual Report

Attachment 2

Section 1

Groundwater Elevations for Alluvial Wells

## ATTACHMENT NO. 7 - GROUNDWATER LEVEL DATA

Permit No. \_ Mine: FOIDEL CREEK MINE Annual Report Period 10/01/2022 to 9/30/2023

| SAMPLE STATION | MEASURING DATE      | GW ELEVATION | MEASURING COMPANY | GASSY | COMMENTS |
|----------------|---------------------|--------------|-------------------|-------|----------|
| 01S5           | 11/19/2022 9:00 AM  | 6801.83      | MILLER            |       |          |
| 01S5           | 2/26/2023 9:25 AM   | 6801.74      | MILLER            |       |          |
| 01S5           | 6/1/2023 10:10 AM   | 6803.04      | MILLER            |       |          |
| 01S5           | 9/13/2023 10:40 AM  | 6801.92      | MILLER            |       |          |
| 06AY1          | 11/19/2022 7:25 AM  | 6821.51      | MILLER            |       |          |
| 06AY1          | 2/26/2023 7:40 AM   | 6821.43      | MILLER            |       |          |
| 06AY1          | 6/1/2023 6:40 AM    | 6820.18      | MILLER            |       |          |
| 06AY1          | 9/13/2023 9:50 AM   | 6818.05      | MILLER            |       |          |
| 08AT1          | 11/19/2022 1:05 PM  | 6575.47      | MILLER            |       |          |
| 08AT1          | 2/26/2023 1:50 PM   | 6575.42      | MILLER            |       |          |
| 08AT1          | 6/1/2023 2:50 PM    | 6577.04      | MILLER            |       |          |
| 08AT1          | 9/13/2023 2:20 PM   | 6575.45      | MILLER            |       |          |
| 08AU3          | 11/19/2022 11:55 AM | 6598.51      | MILLER            |       |          |
| 08AU3          | 2/26/2023 12:40 PM  | 6598.42      | MILLER            |       |          |
| 08AU3          | 6/1/2023 2:00 PM    | 6601.45      | MILLER            |       |          |
| 08AU3          | 9/13/2023 1:20 PM   | 6599.42      | MILLER            |       |          |
| 08AV1          | 11/19/2022 10:35 AM | 6669.10      | MILLER            |       |          |
| 08AV1          | 2/26/2023 11:05 AM  | 6669.03      | MILLER            |       |          |
| 08AV1          | 6/1/2023 12:10 PM   | 6670.80      | MILLER            |       |          |
| 08AV1          | 9/13/2023 12:00 PM  | 6668.37      | MILLER            |       |          |
| 08AV2          | 11/19/2022 10:50 AM | 6666.99      | MILLER            |       |          |
| 08AV2          | 2/26/2023 11:20 AM  | 6666.95      | MILLER            |       |          |
| 08AV2          | 6/1/2023 12:30 PM   | 6669.36      | MILLER            |       |          |
| 08AV2          | 9/13/2023 12:20 PM  | 6666.97      | MILLER            |       |          |
| 08AW3          | 11/19/2022 12:25 PM | 6594.37      | MILLER            |       |          |
| 08AW3          | 2/26/2023 1:05 PM   | 6594.33      | MILLER            |       |          |
| 08AW3          | 6/1/2023 2:20 PM    | 6595.26      | MILLER            |       |          |
| 08AW3          | 9/13/2023 1:40 PM   | 6594.37      | MILLER            |       |          |
| 09S10          | 11/19/2022 8:10 AM  | 6901.16      | MILLER            |       |          |
| 09S10          | 2/26/2023 8:30 AM   | 6901.06      | MILLER            |       |          |
| 09S10          | 6/1/2023 7:25 AM    | 6903.14      | MILLER            |       |          |
| 09S10          | 9/13/2023 9:00 AM   | 6901.45      | MILLER            |       |          |
| AVF13          | 11/19/2022 9:30 AM  | 6678.52      | MILLER            |       |          |
| AVF13          | 2/26/2023 9:55 AM   | 6678.30      | MILLER            |       |          |
| AVF13          | 6/1/2023 10:40 AM   | 6680.73      | MILLER            |       |          |
| AVF13          | 9/13/2023 11:10 AM  | 6678.70      | MILLER            |       |          |
| AVF14          | 11/19/2022 10:00 AM | 6641.58      | MILLER            |       |          |
| AVF14          | 2/26/2023 10:20 AM  | 6641.47      | MILLER            |       |          |
| AVF14          | 6/1/2023 11:05 AM   | 6642.16      | MILLER            |       |          |
| AVF14          | 9/13/2023 11:30 AM  | 6650.39      | MILLER            |       | DRY      |
| AVF15          | 11/19/2022 11:20 AM | 6620.40      | MILLER            |       | DRY      |
| AVF15          | 2/26/2023 12:00 AM  | 6620.40      | MILLER            |       | DRY      |
| AVF15          | 6/1/2023 1:35 PM    | 6624.01      | MILLER            |       |          |
| AVF15          | 9/13/2023 12:50 PM  | 6622.96      | MILLER            |       |          |

Foidel Creek Mine

2023 Annual Report

Attachment 2

Section 2

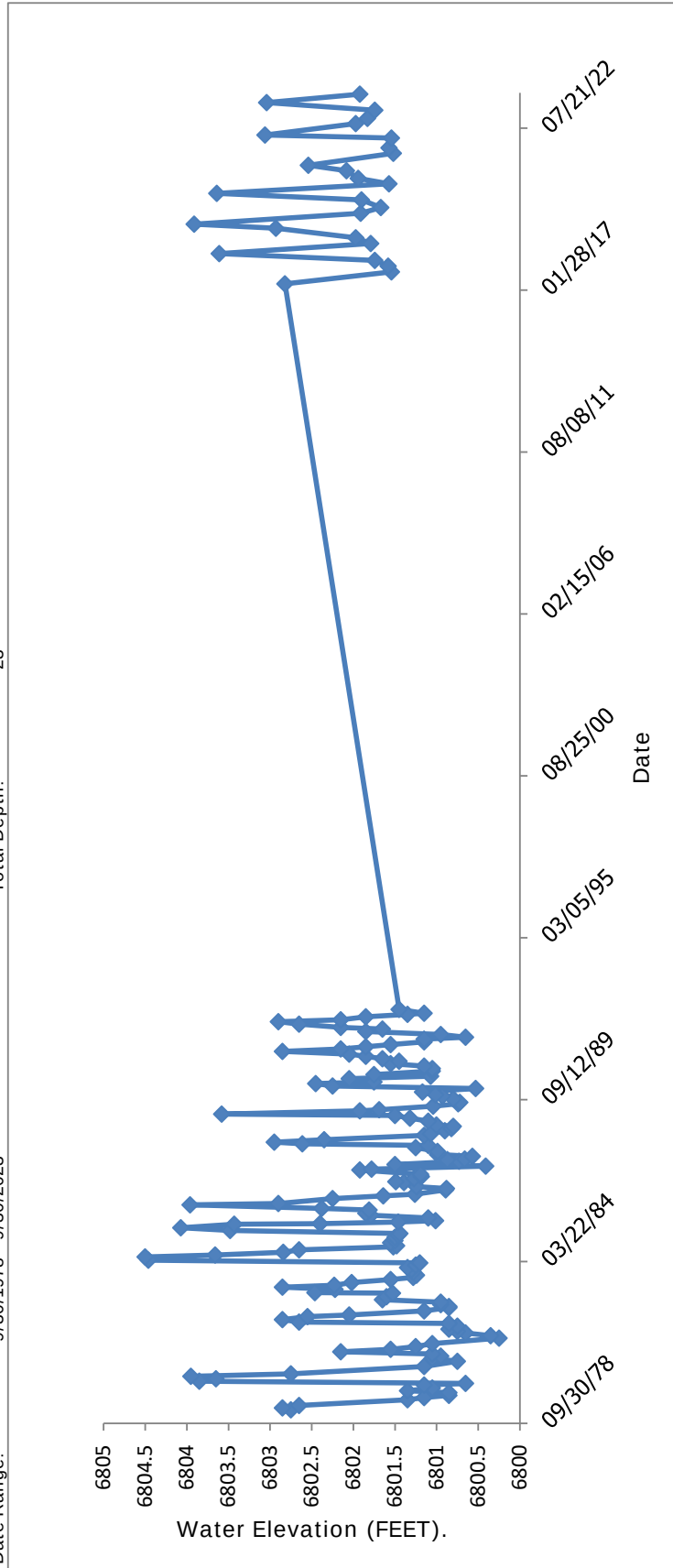
Water Level Hydrographs for Alluvial Wells

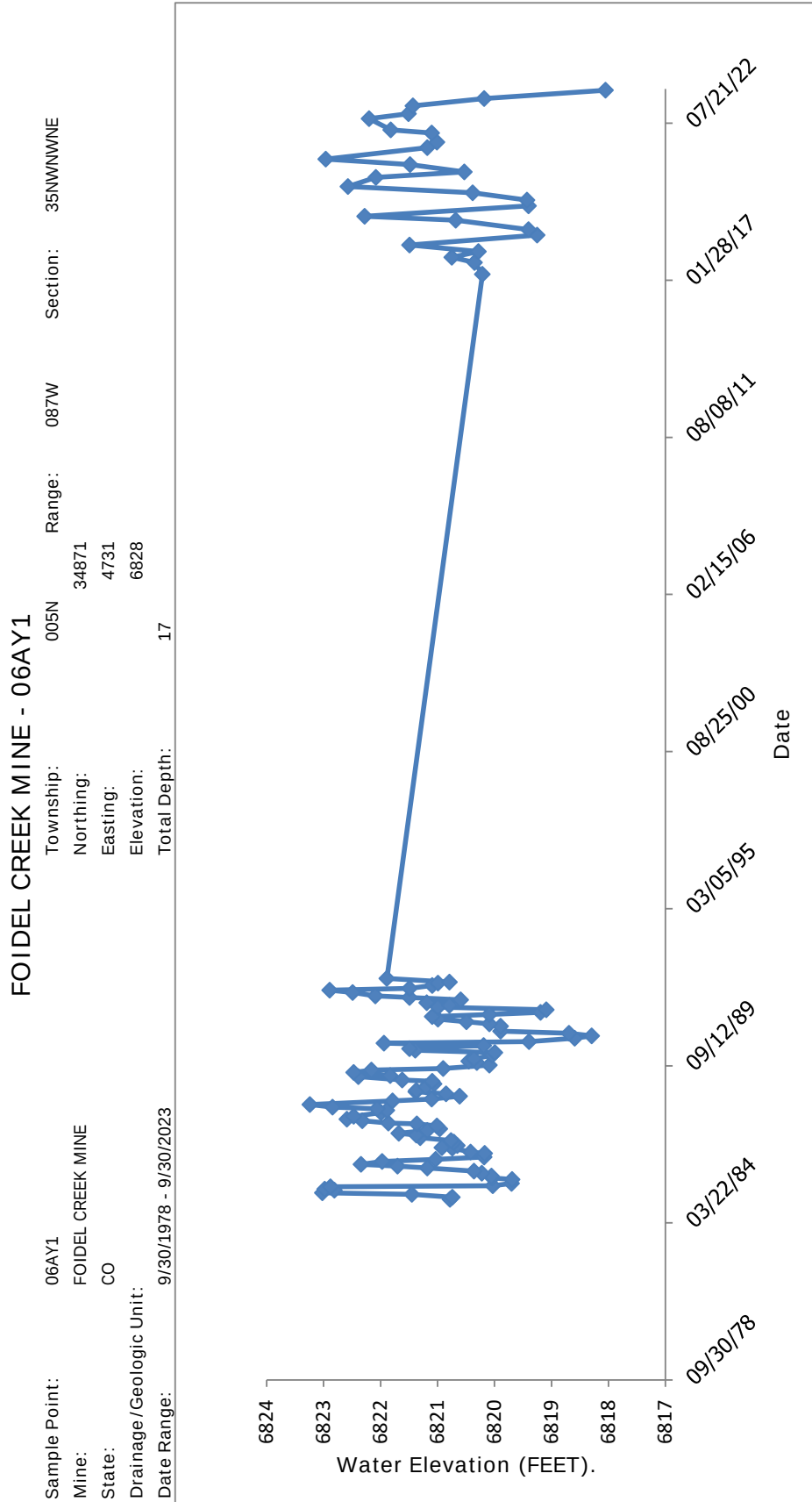


# FOIDEL CREEK MINE - 01S5

Sample Point: 01S5  
 Mine: FOIDEL CREEK MINE  
 State: CO  
 Drainage/Geologic Unit:  
 Date Range: 9/30/1978 - 9/30/2023

Township: 005N  
 Range: 086W  
 Section: 29  
 Northing: 37533  
 Easting: 21977  
 Elevation: 6805  
 Total Depth: 23





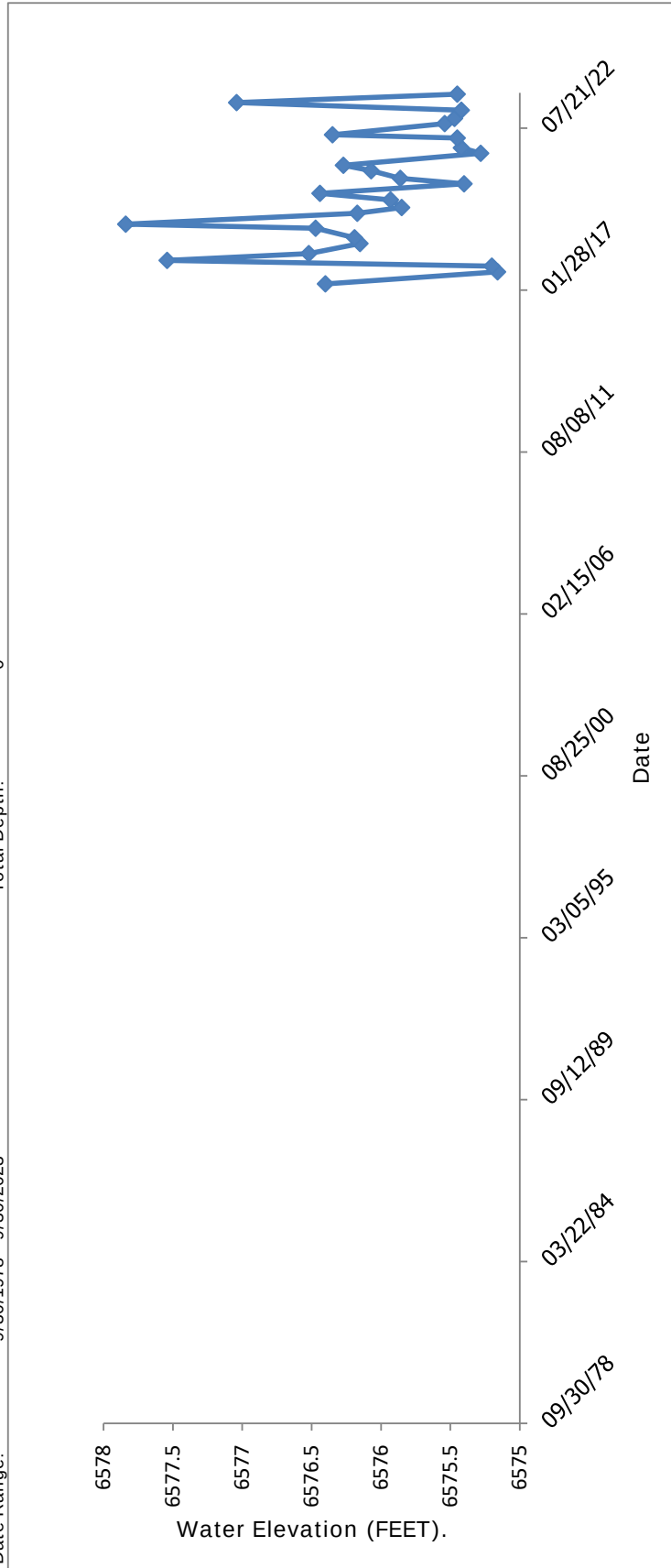
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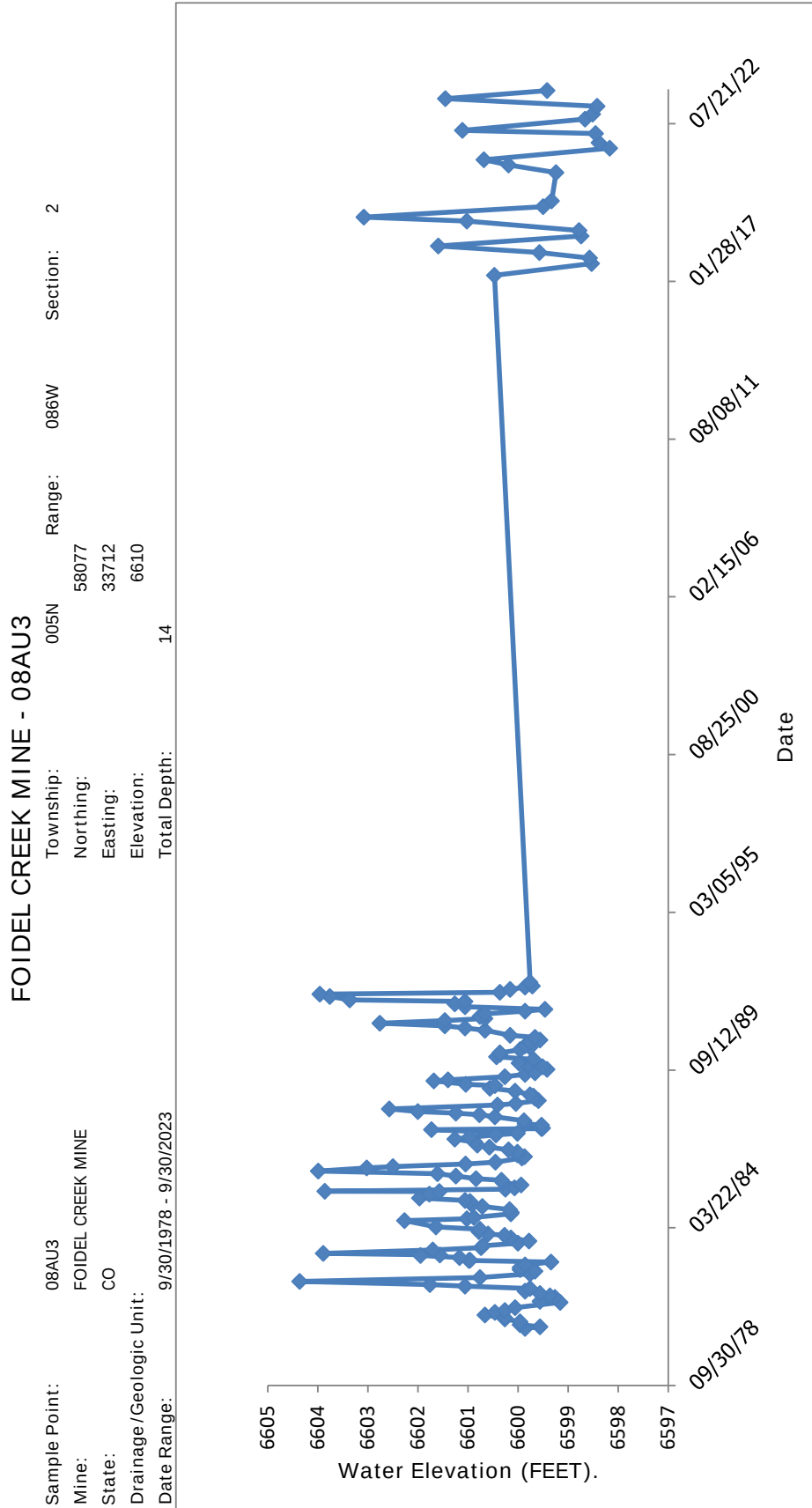
Sample Point: 08AT1  
 Mine: FOIDEL CREEK MINE  
 State: CO  
 Drainage/Geologic Unit:  
 Date Range: 9/30/1978 - 9/30/2023

Township: 006N  
 Northing: 62404  
 Easting: 41689  
 Elevation: 6580  
 Total Depth: 0

Section: 36

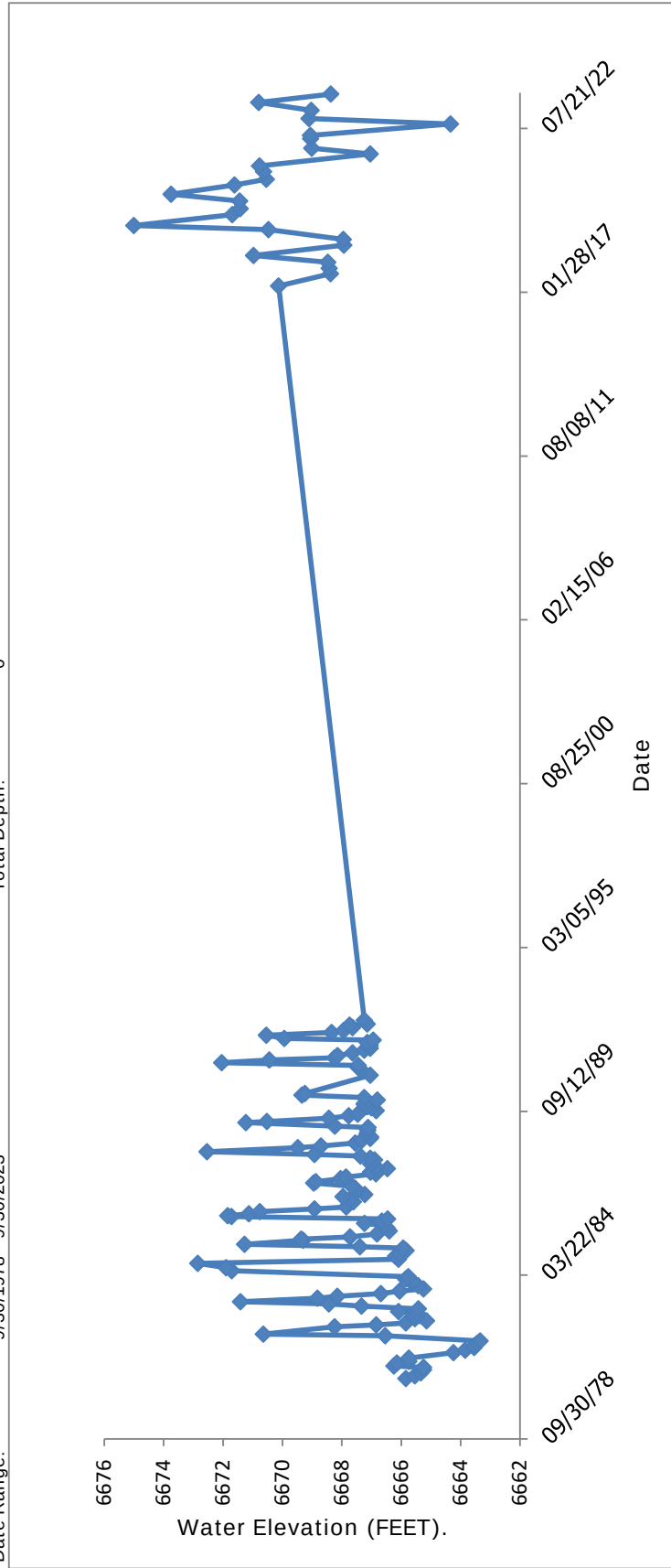
Range: 086W





# FOIDEL CREEK MINE - 08AV1

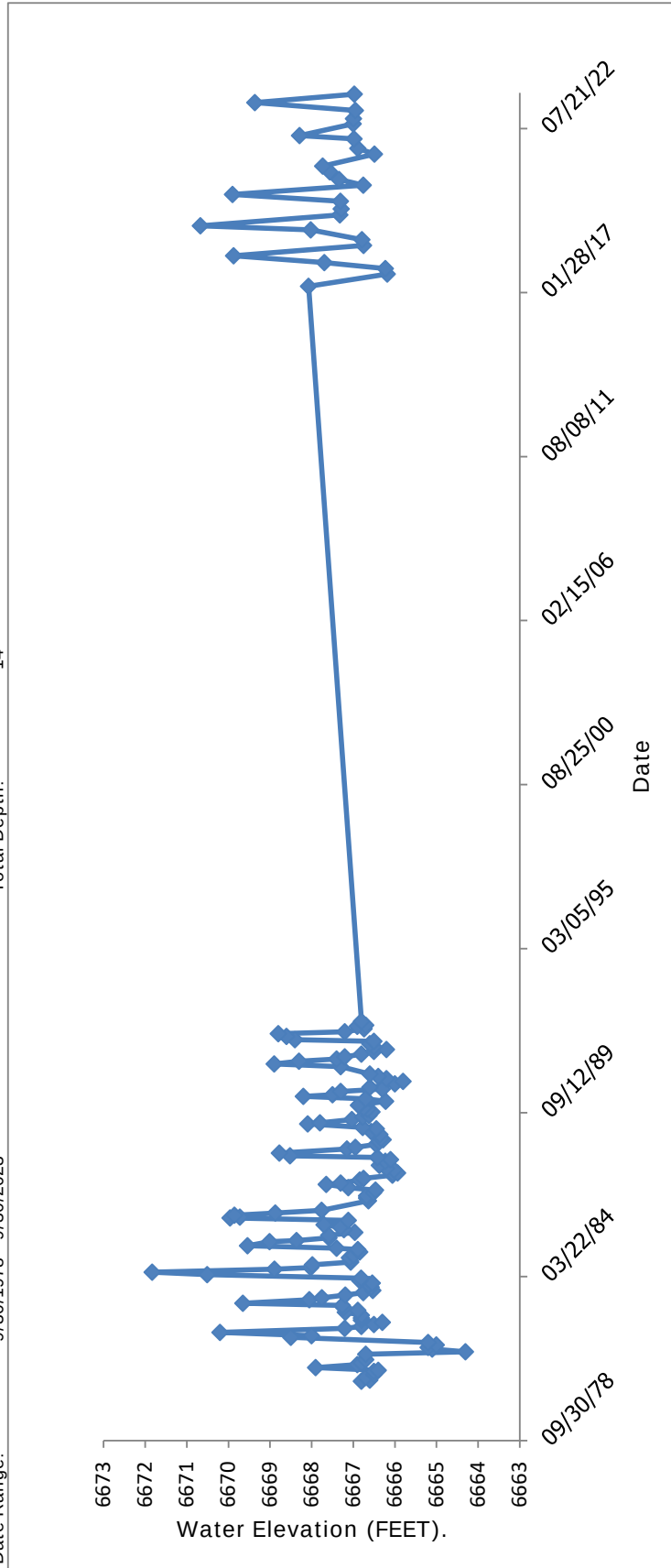
Sample Point: 08AV1  
 Mine: FOIDEL CREEK MINE  
 State: CO  
 Drainage/Geologic Unit:  
 Date Range: 9/30/1978 - 9/30/2023  
 Township: 50000  
 Range: 41309  
 Section: 6677  
 Total Depth: 0



# FOIDEL CREEK MINE - 08AV2

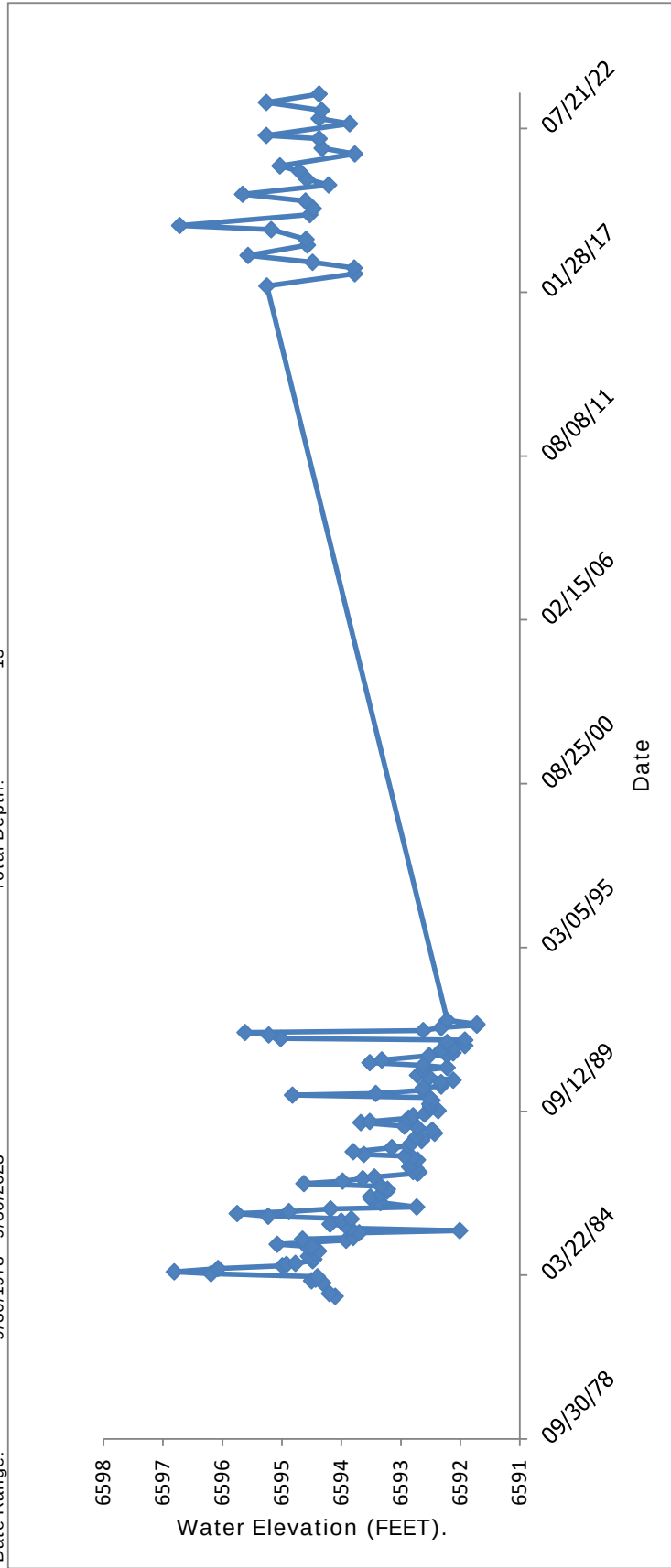
Sample Point: 08AV2  
 Mine: FOIDEL CREEK MINE  
 State: CO  
 Drainage/Geologic Unit:  
 Date Range: 9/30/1978 - 9/30/2023

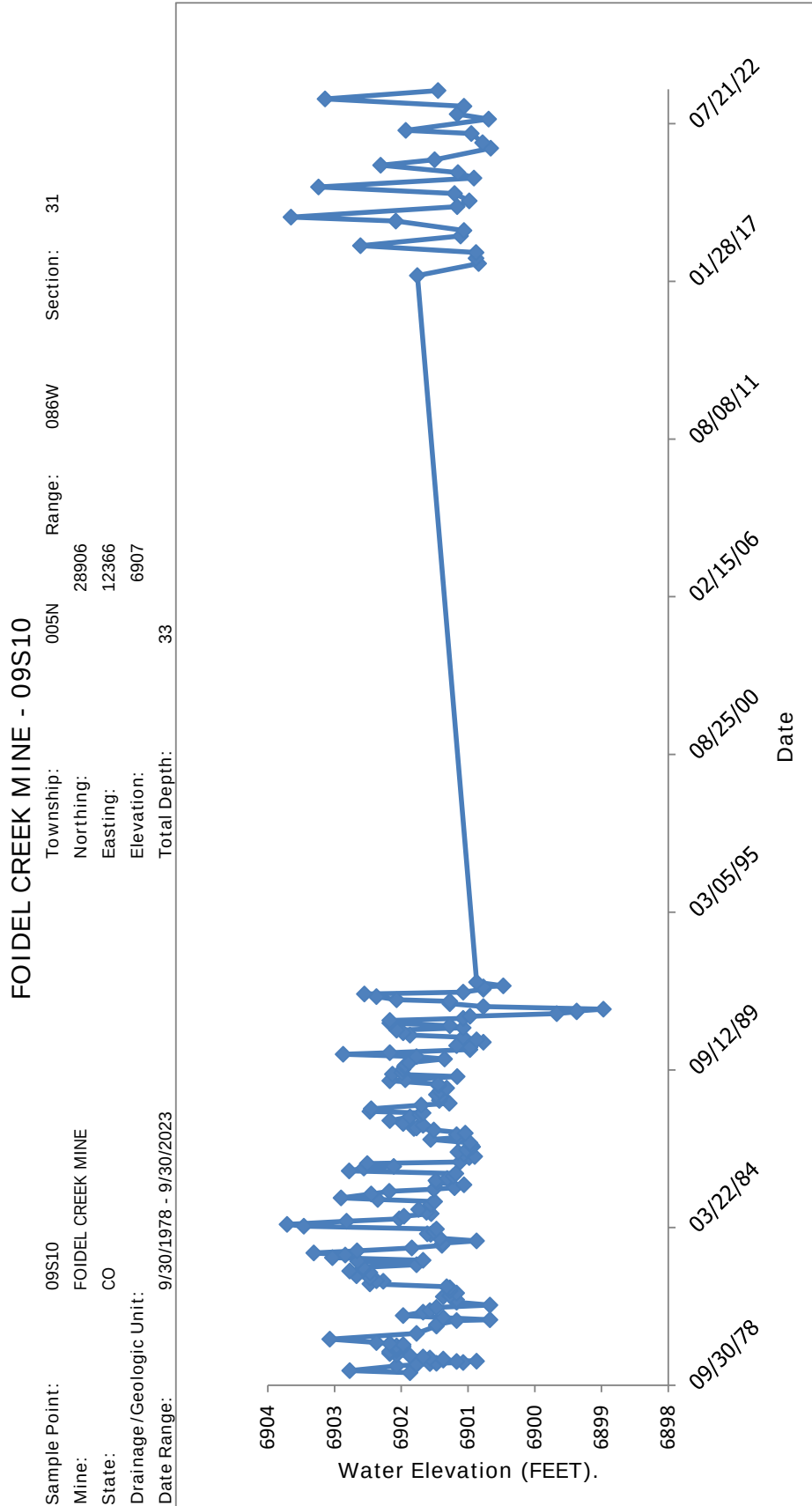
Township: 005N  
 Northing: 50034  
 Easting: 41312  
 Elevation: 6677  
 Total Depth: 14  
 Range: 086W  
 Section: 13



# FOIDEL CREEK MINE - 08AW3

Sample Point: 08AW3  
 Mine: FOIDEL CREEK MINE  
 State: CO  
 Drainage/Geologic Unit: 9/30/1978 - 9/30/2023  
 Date Range:  
 Township: 005N  
 Range: 086W  
 Section: 2  
 Northing: 58429  
 Easting: 37142  
 Elevation: 6599  
 Total Depth: 15







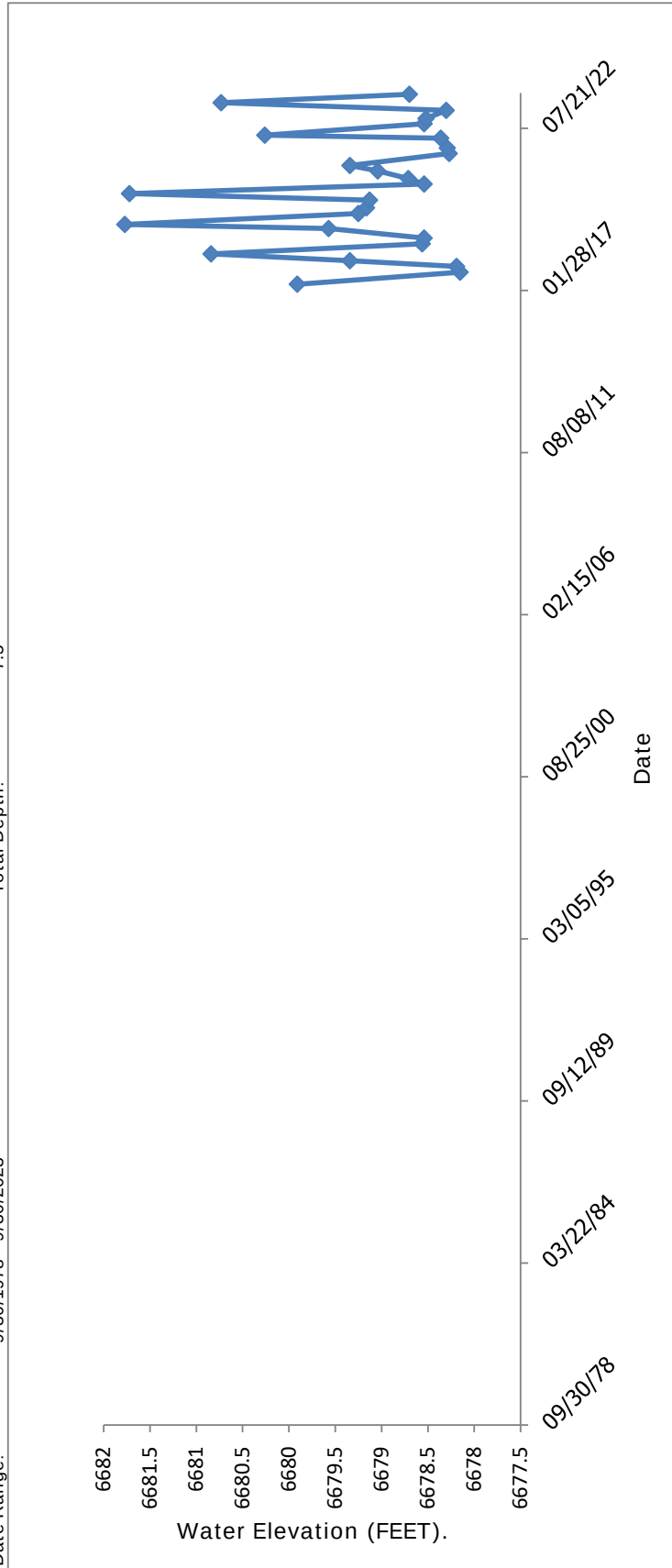
# FOIDEL CREEK MINE - AVF13

Sample Point: AVF13  
 Mine: FOIDEL CREEK MINE  
 State: CO  
 Drainage/Geologic Unit:  
 Date Range: 9/30/1978 - 9/30/2023

Township: 005N  
 Northing: 45641  
 Easting: 19851  
 Elevation: 6686  
 Total Depth: 7.5

Range: 086W

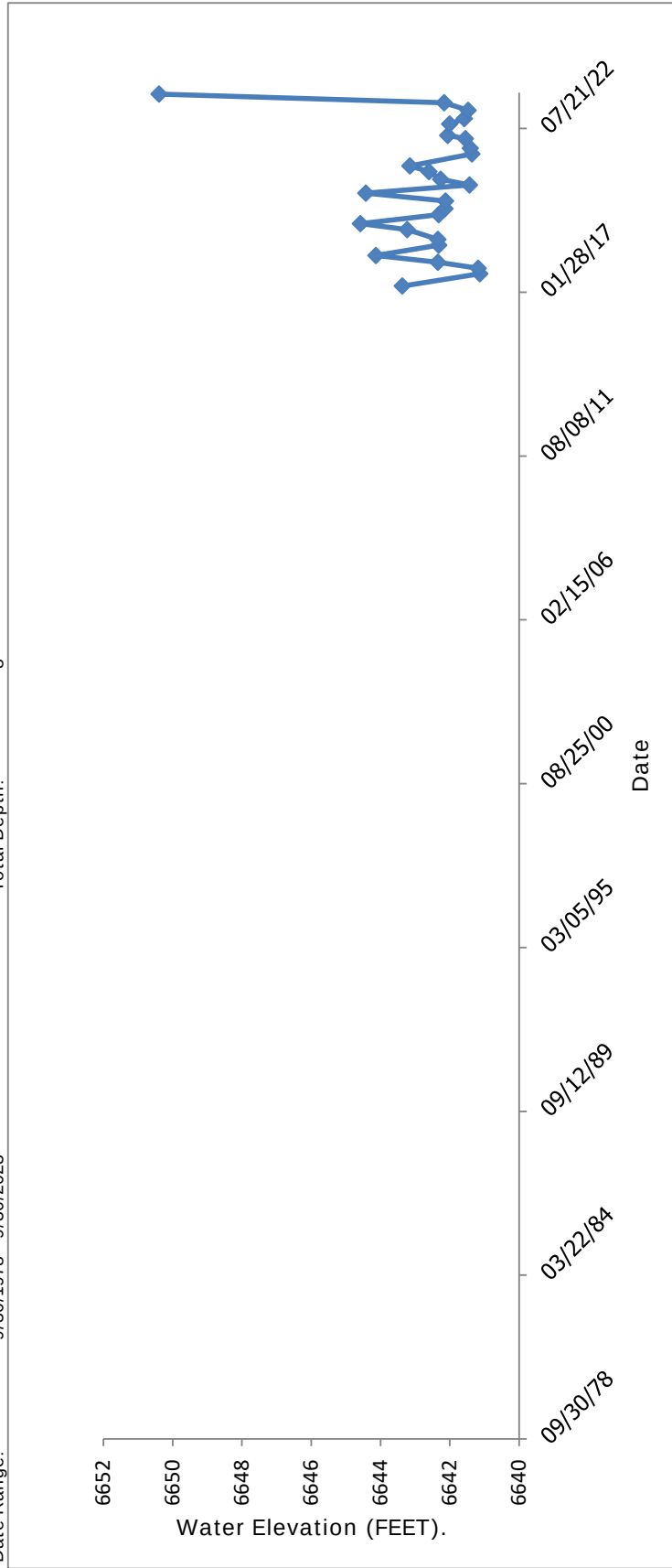
Section: 17



# FOIDEL CREEK MINE - AVF14

Sample Point: AVF14  
 Mine: FOIDEL CREEK MINE  
 State: CO  
 Drainage/Geologic Unit:  
 Date Range: 9/30/1978 - 9/30/2023

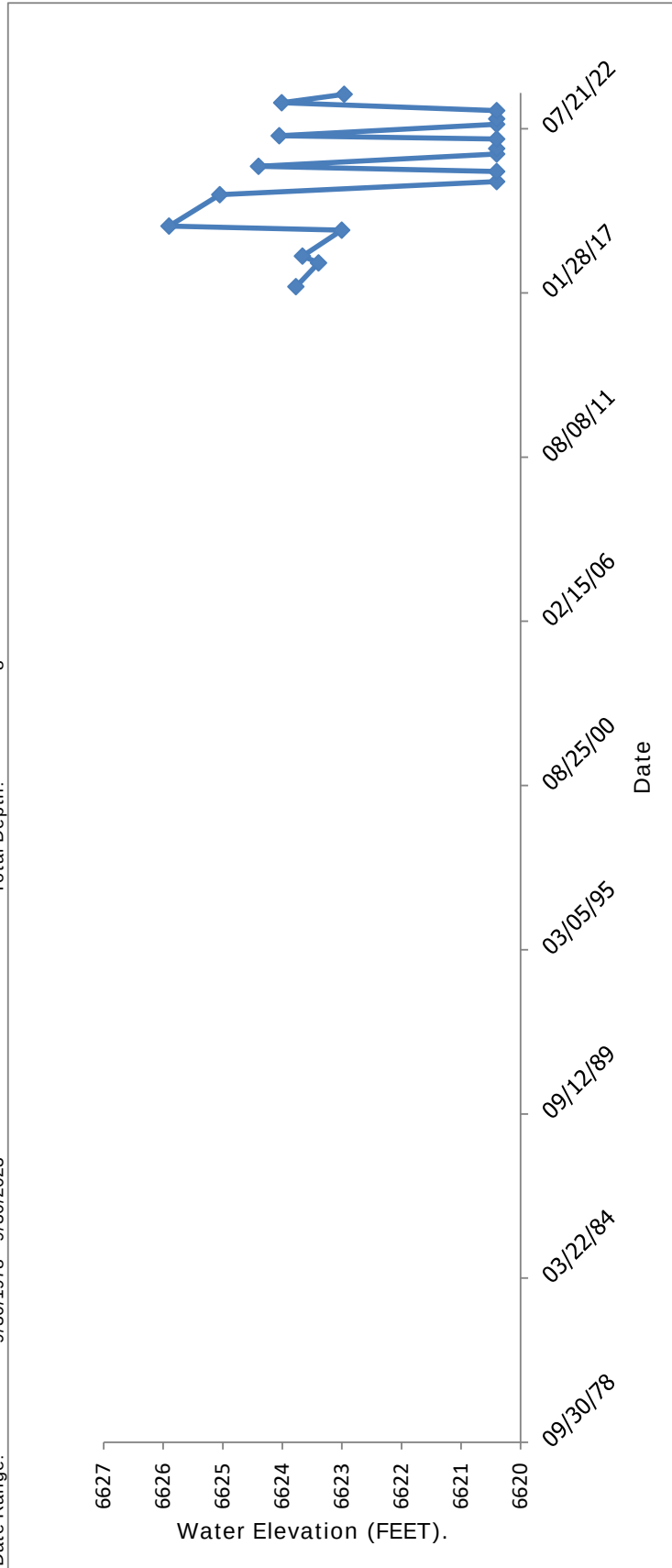
Township: 005N  
 Northing: 47676  
 Easting: 30810  
 Elevation: 6650  
 Total Depth: 8  
 Range: 086W  
 Section: 15



# FOIDEL CREEK MINE - AVF15

Sample Point: AVF15  
 Mine: FOIDEL CREEK MINE  
 State: CO  
 Drainage/Geologic Unit:  
 Date Range: 9/30/1978 - 9/30/2023

Township: 005N  
 Northing: 53081  
 Easting: 33667  
 Elevation: 6628  
 Total Depth: 8  
 Range: 086W  
 Section: 11



Foidel Creek Mine

2023 Annual Report

Attachment 2

Section 3

Water Quality for Water Year, Life of Well Water Quality Statistics, and Graphs of TDS and Field  
Conductivity for Alluvial Wells

## Ground and Surface Water Quality Report

|                                              |                        |                   |           |               |      |                 |    |
|----------------------------------------------|------------------------|-------------------|-----------|---------------|------|-----------------|----|
| <b>Sample Point:</b>                         | 01S5                   | <b>Township:</b>  | 005N      | <b>Range:</b> | 086W | <b>Section:</b> | 29 |
| <b>Mine:</b>                                 | FOIDEL CREEK MINE      | <b>Northings:</b> | 37533     |               |      |                 |    |
| <b>State:</b>                                | CO                     | <b>Easting:</b>   | 21977     |               |      |                 |    |
| <b>Drainage/Geologic Unit:</b>               |                        | <b>Elevation:</b> | 6805      |               |      |                 |    |
| <b>Date Range:</b>                           | 10/01/2022 - 9/30/2023 |                   |           |               |      |                 |    |
| <b>Date(s) of Collection:</b>                | 11/19/2022             | 2/26/2023         | 6/1/2023  | 9/13/2023     |      |                 |    |
| <b>Comment(s):</b>                           |                        |                   |           |               |      |                 |    |
| Chemical                                     | Unit                   |                   |           |               |      |                 |    |
| Alkalinity as CaCO <sub>3</sub> , @ pH 4.5   | mg/L                   |                   | 406       | 436           |      |                 |    |
| Alkalinity, Bicarbonate as CaCO <sub>3</sub> | mg/L                   |                   | 406       | 436           |      |                 |    |
| Alkalinity, Carbonate as CaCO <sub>3</sub>   | mg/L                   |                   | < 20      | < 20          |      |                 |    |
| Alkalinity, Hydroxide as CaCO <sub>3</sub>   | mg/L                   |                   | < 20      | < 20          |      |                 |    |
| Ammonia Nitrogen                             | mg/L                   |                   | 0.460     | 1.12          |      |                 |    |
| Bicarbonate as HCO <sub>3</sub>              | mg/L                   |                   | 496       | 532           |      |                 |    |
| Cadmium, Dissolved                           | mg/L                   |                   | 0.000066  | < 0.0005      |      |                 |    |
| Calcium, Dissolved                           | mg/L                   |                   | 186       | 265           |      |                 |    |
| Carbonate as CO <sub>3</sub>                 | mg/L                   |                   | < 20      | < 20          |      |                 |    |
| Hydroxide as OH                              | mg/L                   |                   | < 20      | < 20          |      |                 |    |
| Indication Oil and Grease                    | Y/N                    | N                 | N         | N             |      |                 |    |
| Iron, Dissolved                              | mg/L                   |                   | 0.204     | 1.57          |      |                 |    |
| Lead, Dissolved                              | mg/L                   |                   | < 0.15    | 0.044         |      |                 |    |
| Magnesium, Dissolved                         | mg/L                   |                   | 83.7      | 121           |      |                 |    |
| Manganese, Dissolved                         | mg/L                   |                   | 0.066     | 0.091         |      |                 |    |
| Mercury, Dissolved                           | mg/L                   |                   | < 0.001   | < 0.001       |      |                 |    |
| Molybdenum, Dissolved                        | mg/L                   |                   | < 0.1     | < 0.1         |      |                 |    |
| NO <sub>3</sub> -NO <sub>2</sub> Nitrogen    | mg/L                   |                   | 0.432     | 0.046         |      |                 |    |
| pH Temperature                               | Deg C                  |                   | 22.4      | 23.0          |      |                 |    |
| pH, Field                                    | S.U.                   | 7.37              | 7.5       | 7.1           |      |                 |    |
| pH, Lab                                      | S.U.                   |                   | 8.2       | 7.6           |      |                 |    |
| Phosphorus, Orthophosphorus                  | mg/L                   |                   | < 0.05    | < 0.05        |      |                 |    |
| Selenium, Dissolved                          | mg/L                   |                   | < 0.00025 | < 0.0005      |      |                 |    |
| Sodium, Dissolved                            | mg/L                   |                   | 181       | 208           |      |                 |    |
| Specific Conductivity, Field                 | UMHOS/CM               | 2424              | 2400      |               |      |                 |    |
| Specific Conductivity, Field                 | ums/cm                 |                   | 2050      | 2490          |      |                 |    |
| Specific Conductivity, Lab                   | ums/cm                 |                   | 1990      | 2550          |      |                 |    |

|                             |       |      |      |
|-----------------------------|-------|------|------|
| Sulfates                    | mg/L  | 755  | 1050 |
| Temperature, Field          | Deg C | 9.9  | 10.2 |
| Total Dissolved Solids, Lab | mg/L  | 1580 | 2140 |

## Ground and Surface Water Quality Statistics Report

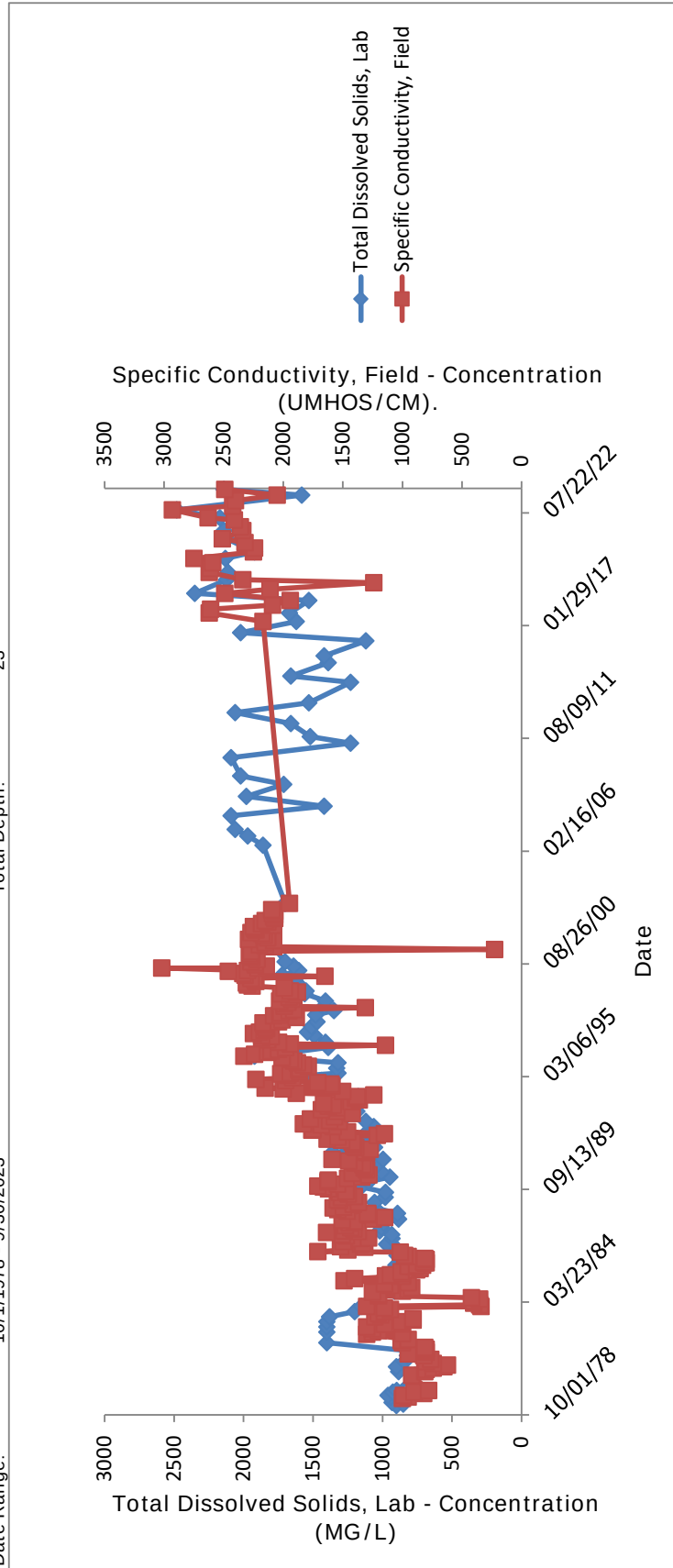
| Sample Point                     |  | 01S5                    |  | Township        |         | 005N   |          | Range:   |       | 086W          |         | Section |        | 29 |  |
|----------------------------------|--|-------------------------|--|-----------------|---------|--------|----------|----------|-------|---------------|---------|---------|--------|----|--|
| Mine:                            |  | FOIDEL CREEK MINE       |  | Northing        |         | 37533  |          |          |       |               |         |         |        |    |  |
| State:                           |  | CO                      |  | Easting         |         | 21977  |          |          |       |               |         |         |        |    |  |
| Drainage/Geologic Unit:          |  |                         |  | Elevation       |         | 6805   |          |          |       |               |         |         |        |    |  |
| Date Range                       |  | 10/01/1978 to 9/30/2023 |  |                 |         |        |          |          |       |               |         |         |        |    |  |
| Parm Description                 |  |                         |  | Uncensored Data |         |        |          |          |       | Censored Data |         |         |        |    |  |
|                                  |  |                         |  | Count           | Min     | Max    | Mean     | Std.Dev. | Count | Min           | Max     |         |        |    |  |
| Alkalinity as CaCO3, @ pH 4.5    |  |                         |  | 34              | 294     | 528    | 417.5294 | 53.60079 | 0     |               |         |         |        |    |  |
| Alkalinity, Bicarbonate as CaCO3 |  |                         |  | 34              | 358     | 645    | 475.4118 | 76.22897 | 0     |               |         |         |        |    |  |
| Alkalinity, Carbonate as CaCO3   |  |                         |  | 3               | 4.7     | 9      | 6.6      | 2.2      | 31    | <             | 2       | <       | 20     |    |  |
| Alkalinity, Hydroxide as CaCO3   |  |                         |  | 0               |         |        |          |          | 12    | <             | 2       | <       | 10     |    |  |
| Ammonia Nitrogen                 |  |                         |  | 31              | 0.065   | 17.6   | 2.859    | 4.299    | 3     | <             | 0.05    | <       | 0.2    |    |  |
| Bicarbonate as HCO3              |  |                         |  | 12              | 459     | 564    | 514.0833 | 30.17361 | 0     |               |         |         |        |    |  |
| Cadmium, Dissolved               |  |                         |  | 5               | 6.6E-05 | 0.0002 | 0.00011  | 0.00005  | 29    | <             | 0.00005 | <       | 0.01   |    |  |
| Calcium, Dissolved               |  |                         |  | 34              | 129     | 327    | 222.9118 | 45.9897  | 0     |               |         |         |        |    |  |
| Carbonate as CO3                 |  |                         |  | 0               |         |        |          |          | 10    | <             | 2       | <       | 10     |    |  |
| Hardness, Calcium                |  |                         |  | 0               |         |        |          |          | 2     | <             | 2       | <       | 2      |    |  |
| Hydroxide as OH                  |  |                         |  | 0               |         |        |          |          | 34    | <             | 2       | <       | 20     |    |  |
| Iron, Dissolved                  |  |                         |  | 34              | 0.03    | 2.57   | 0.70     | 0.67     | 0     |               |         |         |        |    |  |
| Lead, Dissolved                  |  |                         |  | 1               | 0.044   | 0.044  | 0.044    |          | 33    | <             | 0.03    | <       | 0.4    |    |  |
| Magnesium, Dissolved             |  |                         |  | 34              | 51.4    | 147    | 95.6     | 21.6     | 0     |               |         |         |        |    |  |
| Manganese, Dissolved             |  |                         |  | 30              | 0.046   | 0.138  | 0.092    | 0.026    | 4     | <             | 0.01    | <       | 0.03   |    |  |
| Mercury, Dissolved               |  |                         |  | 1               | 0.0003  | 0.0003 | 0.0003   |          | 33    | <             | 0.0002  | <       | 0.001  |    |  |
| Molybdenum, Dissolved            |  |                         |  | 2               | 0.01    | 0.02   | 0.02     | 0.01     | 32    | <             | 0.02    | <       | 0.2    |    |  |
| NO3-NO2 Nitrogen                 |  |                         |  | 22              | 0.03    | 1.84   | 0.54     | 0.55     | 12    | <             | 0.02    | <       | 0.1    |    |  |
| pH Temperature                   |  |                         |  | 34              | 19.2    | 25     | 21.9     | 1.1      | 0     |               |         |         |        |    |  |
| pH, Field                        |  |                         |  | 2               | 7.1     | 7.5    | 7.3      | 0.3      | 0     |               |         |         |        |    |  |
| pH, Lab                          |  |                         |  | 34              | 7.6     | 8.3    | 8.1      | 0.2      | 0     |               |         |         |        |    |  |
| Phosphorus, Dissolved            |  |                         |  | 3               | 0.89    | 1.74   | 1.20     | 0.47     | 0     |               |         |         |        |    |  |
| Phosphorus, Orthophosphorus      |  |                         |  | 19              | 0.01    | 0.96   | 0.14     | 0.27     | 12    | <             | 0.01    | <       | 0.05   |    |  |
| Selenium, Dissolved              |  |                         |  | 10              | 0.0001  | 0.0353 | 0.0042   | 0.0110   | 24    | <             | 0.0001  | <       | 0.0005 |    |  |
| Sodium, Dissolved                |  |                         |  | 34              | 142     | 255    | 203.2941 | 24.93206 | 0     |               |         |         |        |    |  |
| Specific Conductivity, Field     |  |                         |  | 2               | 2050    | 2490   | 2270     | 311.127  | 0     |               |         |         |        |    |  |
| Specific Conductivity, Lab       |  |                         |  | 34              | 1470    | 2810   | 2248.235 | 345.3717 | 0     |               |         |         |        |    |  |
| Sulfates                         |  |                         |  | 34              | 470     | 1350   | 889.5588 | 195.4031 | 0     |               |         |         |        |    |  |
| Temperature, Field               |  |                         |  | 2               | 9.9     | 10.2   | 10.1     | 0.2      | 0     |               |         |         |        |    |  |
| Total Dissolved Solids, Lab      |  |                         |  | 34              | 1120    | 2480   | 1827.059 | 345.3459 | 0     |               |         |         |        |    |  |

< - - denotes value is below detectable limits  
> - - denotes value is above detectable limits



## FOIDEL CREEK MINE - 01S5

Sample Point: 01S5  
 Mine: FOIDEL CREEK MINE  
 State: CO  
 Drainage/Geologic Unit:  
 Date Range: 10/1/1978 - 9/30/2023  
 Township: 005N  
 Range: 086W  
 Section: 29  
 Northing: 37533  
 Easting: 21977  
 Elevation: 6805  
 Total Depth: 23



## Ground and Surface Water Quality Report

|                                              |                        |                   |          |               |      |                 |           |
|----------------------------------------------|------------------------|-------------------|----------|---------------|------|-----------------|-----------|
| <b>Sample Point:</b>                         | 06AY1                  | <b>Township:</b>  | 005N     | <b>Range:</b> | 087W | <b>Section:</b> | 35NNWNWNE |
| <b>Mine:</b>                                 | FOIDEL CREEK MINE      | <b>Northings:</b> | 34871    |               |      |                 |           |
| <b>State:</b>                                | CO                     | <b>Easting:</b>   | 4731     |               |      |                 |           |
| <b>Drainage/Geologic Unit:</b>               |                        | <b>Elevation:</b> | 6828     |               |      |                 |           |
| <b>Date Range:</b>                           | 10/01/2022 - 9/30/2023 |                   |          |               |      |                 |           |
| <b>Date(s) of Collection:</b>                | 11/19/2022             | 2/26/2023         | 6/1/2023 | 9/13/2023     |      |                 |           |
| <b>Comment(s):</b>                           |                        |                   |          |               |      |                 |           |
| Chemical                                     | Unit                   |                   |          |               |      |                 |           |
| Alkalinity as CaCO <sub>3</sub> , @ pH 4.5   | mg/L                   | 246               | 325      |               |      |                 |           |
| Alkalinity, Bicarbonate as CaCO <sub>3</sub> | mg/L                   | 240               | 325      |               |      |                 |           |
| Alkalinity, Carbonate as CaCO <sub>3</sub>   | mg/L                   | 6.5               | < 20     |               |      |                 |           |
| Alkalinity, Hydroxide as CaCO <sub>3</sub>   | mg/L                   | < 20              | < 20     |               |      |                 |           |
| Ammonia Nitrogen                             | mg/L                   | < 0.2             | < 2      |               |      |                 |           |
| Bicarbonate as HCO <sub>3</sub>              | mg/L                   | 293               | 397      |               |      |                 |           |
| Cadmium, Dissolved                           | mg/L                   | 0.000070          | 0.000101 |               |      |                 |           |
| Calcium, Dissolved                           | mg/L                   | 52.7              | 67.6     |               |      |                 |           |
| Carbonate as CO <sub>3</sub>                 | mg/L                   | 3.9               | < 20     |               |      |                 |           |
| Hydroxide as OH                              | mg/L                   | < 20              | < 20     |               |      |                 |           |
| Indication Oil and Grease                    | Y/N                    | N                 | N        |               |      |                 |           |
| Iron, Dissolved                              | mg/L                   | 0.097             | 1.10     |               |      |                 |           |
| Lead, Dissolved                              | mg/L                   | < 0.15            | 0.041    |               |      |                 |           |
| Magnesium, Dissolved                         | mg/L                   | 30.3              | 38.8     |               |      |                 |           |
| Manganese, Dissolved                         | mg/L                   | 0.064             | 3.38     |               |      |                 |           |
| Mercury, Dissolved                           | mg/L                   | < 0.001           | < 0.001  |               |      |                 |           |
| Molybdenum, Dissolved                        | mg/L                   | < 0.1             | < 0.1    |               |      |                 |           |
| NO <sub>3</sub> -NO <sub>2</sub> Nitrogen    | mg/L                   | 0.029             | < 0.1    |               |      |                 |           |
| pH Temperature                               | Deg C                  | 22.3              | 22.9     |               |      |                 |           |
| pH, Field                                    | S.U.                   | 7.41              | 7.3      |               |      |                 |           |
| pH, Lab                                      | S.U.                   | 8.4               | 7.8      |               |      |                 |           |
| Phosphorus, Orthophosphorus                  | mg/L                   | 0.014             | < 0.05   |               |      |                 |           |
| Selenium, Dissolved                          | mg/L                   | 0.00085           | 0.00151  |               |      |                 |           |
| Sodium, Dissolved                            | mg/L                   | 14.2              | 16.8     |               |      |                 |           |
| Specific Conductivity, Field                 | UMHOS/CM               | 710               | 710      |               |      |                 |           |
| Specific Conductivity, Field                 | ums/cm                 | 570               | 700      |               |      |                 |           |
| Specific Conductivity, Lab                   | ums/cm                 | 519               | 677      |               |      |                 |           |

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|-----------------------------|------|
| Sulfates                    | 71   |
| Temperature, Field          | 10.8 |
| Total Dissolved Solids, Lab | 490  |

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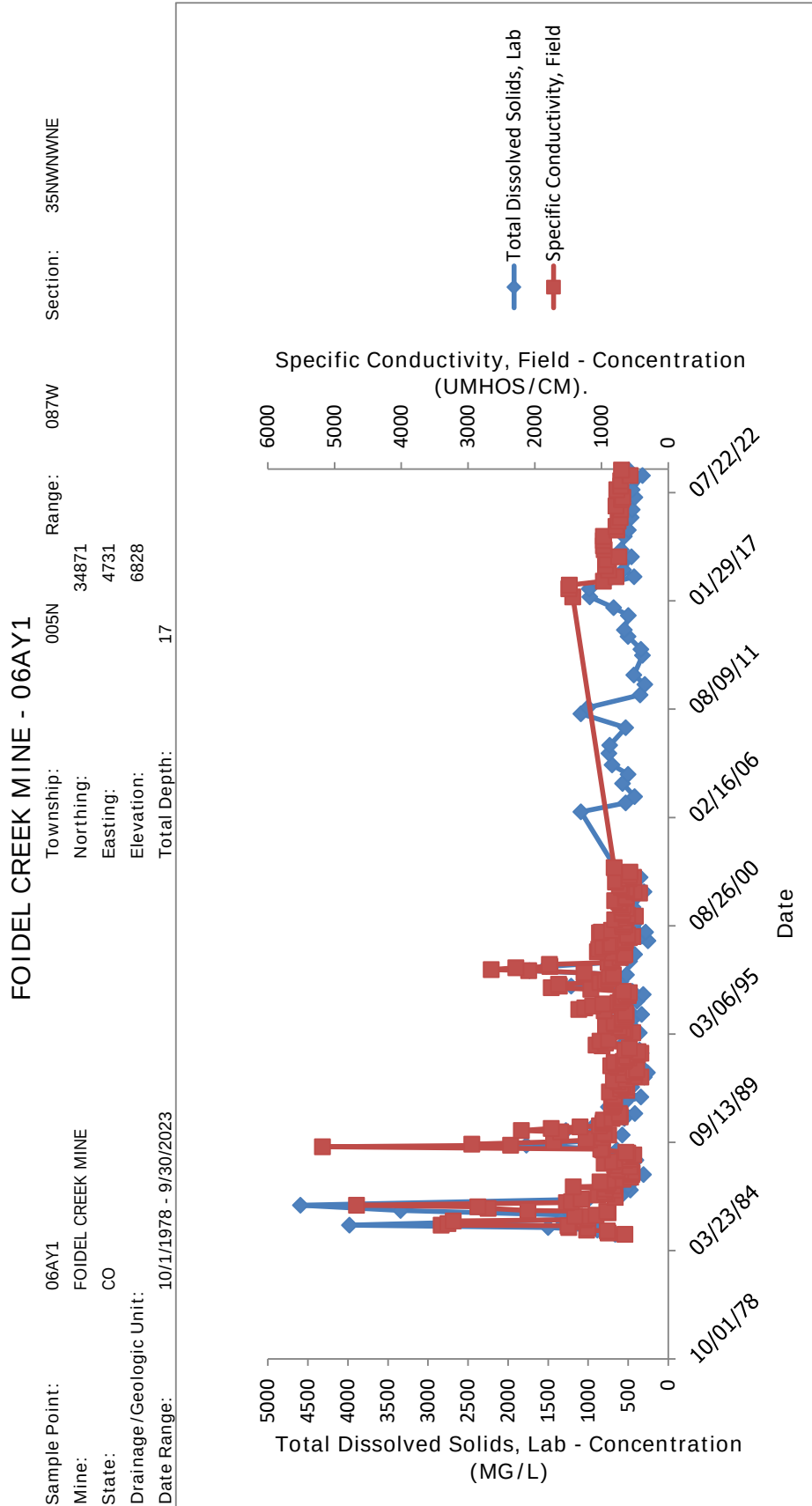
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| mg/L  |
| Deg C |
| mg/L  |

## Ground and Surface Water Quality Statistics Report

**Sample Point** 06AY1 **Township** 005N **Range:** 087W **Section** 35NNWNWNE  
**Mine:** FOIDEL CREEK MINE **Northings** 34871  
**State:** CO **Easting** 4731  
**Drainage/Geologic Unit:** **Elevation** 6828  
**Date Range** 10/01/1978 to 9/30/2023

| Parm Description                             | Units  | Uncensored Data |         |        |          | Censored Data |       |           |          |
|----------------------------------------------|--------|-----------------|---------|--------|----------|---------------|-------|-----------|----------|
|                                              |        | Count           | Min     | Max    | Mean     | Std.Dev.      | Count | Min       | Max      |
| Alkalinity as CaCO <sub>3</sub> , @ pH 4.5   | mg/L   | 34              | 183     | 495    | 293.0588 | 67.15109      | 0     |           |          |
| Alkalinity, Bicarbonate as CaCO <sub>3</sub> | mg/L   | 34              | 223     | 604    | 331.8529 | 80.01785      | 0     |           |          |
| Alkalinity, Carbonate as CaCO <sub>3</sub>   | mg/L   | 6               | 2       | 12.1   | 7.5      | 3.5           | 28    | < 2       | < 20     |
| Alkalinity, Hydroxide as CaCO <sub>3</sub>   | mg/L   | 0               |         |        |          |               | 12    | < 2       | < 10     |
| Ammonia Nitrogen                             | mg/L   | 11              | 0.05    | 0.44   | 0.13     | 0.13          | 23    | < 0.05    | < 5      |
| Bicarbonate as HCO <sub>3</sub>              | mg/L   | 12              | 284     | 479    | 369.8333 | 68.39303      | 0     |           |          |
| Cadmium, Dissolved                           | mg/L   | 13              | 6.9E-05 | 0.0005 | 0.00016  | 0.00012       | 21    | < 0.00005 | < 0.0005 |
| Calcium, Dissolved                           | mg/L   | 34              | 49.2    | 164    | 91.5     | 31.5          | 0     |           |          |
| Carbonate as CO <sub>3</sub>                 | mg/L   | 3               | 3.9     | 6      | 5.0      | 1.1           | 7     | < 2       | < 10     |
| Hardness, Calcium                            | mg/L   | 0               |         |        |          |               | 2     | < 2       | < 2      |
| Hydroxide as OH                              | mg/L   | 0               |         |        |          |               | 34    | < 2       | < 20     |
| Iron, Dissolved                              | mg/L   | 28              | 0.02    | 1.1    | 0.11     | 0.20          | 6     | < 0.03    | < 0.06   |
| Lead, Dissolved                              | mg/L   | 1               | 0.041   | 0.041  | 0.041    |               | 33    | < 0.03    | < 0.2    |
| Magnesium, Dissolved                         | mg/L   | 34              | 26      | 86.7   | 47.7     | 15.9          | 0     |           |          |
| Manganese, Dissolved                         | mg/L   | 23              | 0.007   | 3.38   | 0.214    | 0.699         | 11    | < 0.01    | < 0.03   |
| Mercury, Dissolved                           | mg/L   | 1               | 0.0003  | 0.0003 | 0.0003   |               | 33    | < 0.0002  | < 0.001  |
| Molybdenum, Dissolved                        | mg/L   | 1               | 0.01    | 0.01   | 0.01     |               | 33    | < 0.02    | < 0.1    |
| NO <sub>3</sub> -NO <sub>2</sub> Nitrogen    | mg/L   | 27              | 0.02    | 3.39   | 0.29     | 0.69          | 7     | < 0.02    | < 0.1    |
| pH Temperature                               | Deg C  | 34              | 18.9    | 25     | 21.9     | 1.3           | 0     |           |          |
| pH, Field                                    | S.U.   | 2               | 7       | 7.3    | 7.2      | 0.2           | 0     |           |          |
| pH, Lab                                      | S.U.   | 34              | 7.7     | 8.4    | 8.1      | 0.2           | 0     |           |          |
| Phosphorus, Dissolved                        | mg/L   | 2               | 0.03    | 0.06   | 0.05     | 0.02          | 1     | < 0.05    | < 0.05   |
| Phosphorus, Orthophosphorus                  | mg/L   | 27              | 0.01    | 0.07   | 0.03     | 0.01          | 4     | < 0.01    | < 0.05   |
| Selenium, Dissolved                          | mg/L   | 34              | 0.0002  | 0.0488 | 0.0045   | 0.0087        | 0     |           |          |
| Sodium, Dissolved                            | mg/L   | 34              | 14.2    | 66.5   | 28.9     | 12.5          | 0     |           |          |
| Specific Conductivity, Field                 | ums/cm | 2               | 570     | 700    | 635      | 91.92388      | 0     |           |          |
| Specific Conductivity, Lab                   | ums/cm | 34              | 490     | 1440   | 841.0588 | 251.9533      | 0     |           |          |
| Sulfates                                     | mg/L   | 34              | 58      | 540    | 188.7647 | 130.6719      | 0     |           |          |
| Temperature, Field                           | Deg C  | 2               | 6.6     | 10.8   | 8.7      | 3.0           | 0     |           |          |
| Total Dissolved Solids, Lab                  | mg/L   | 34              | 290     | 1090   | 572.5294 | 221.8967      | 0     |           |          |

< - - denotes value is below detectable limits  
> - - denotes value is above detectable limits





|                             |       |      |
|-----------------------------|-------|------|
| Sulfates                    | mg/L  | 171  |
| Temperature, Field          | Deg C | 15.0 |
| Total Dissolved Solids, Lab | mg/L  | 512  |

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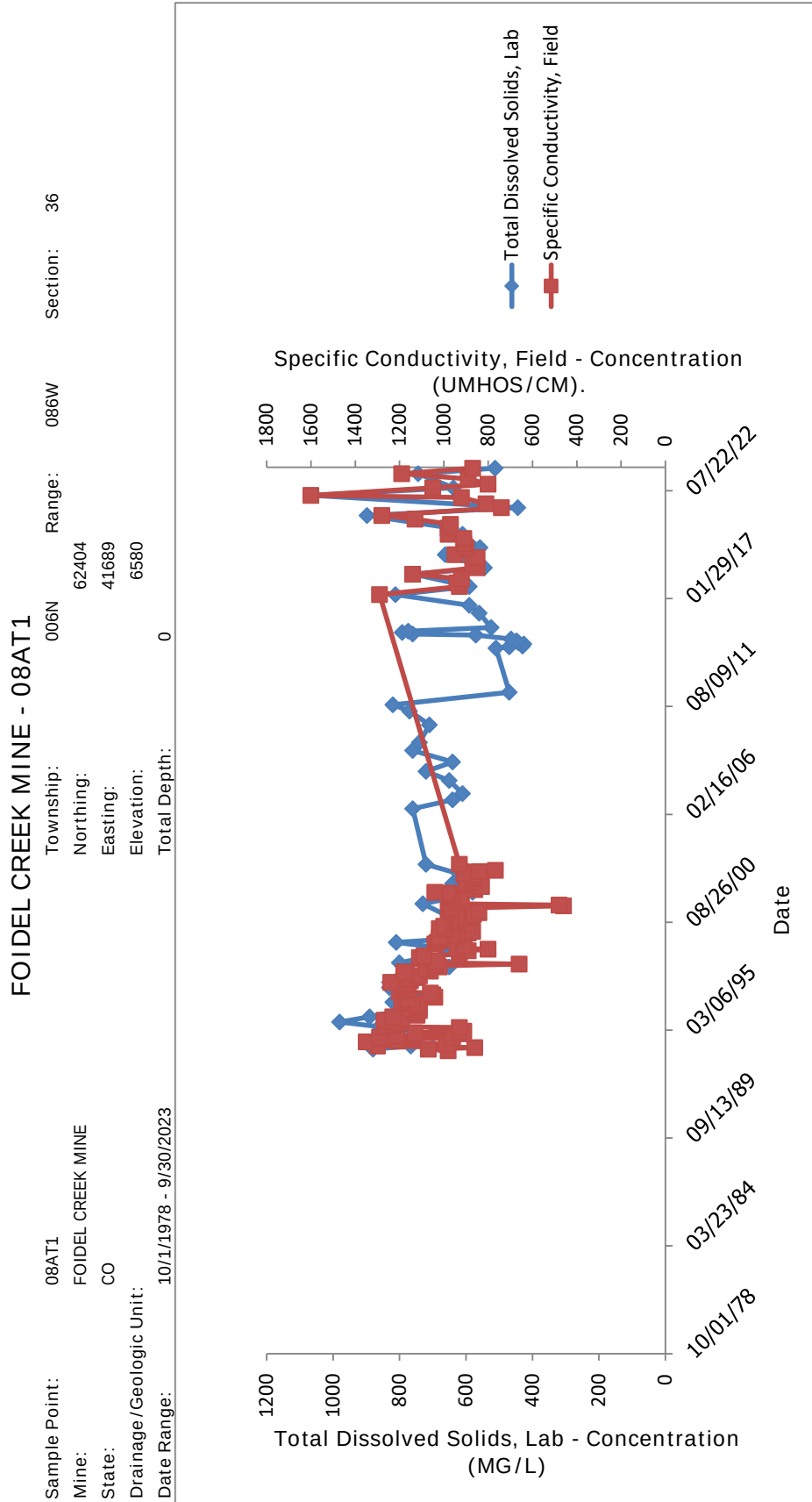
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## Ground and Surface Water Quality Statistics Report

|                         |  |           |  |        |  |         |  |
|-------------------------|--|-----------|--|--------|--|---------|--|
| Sample Point            |  | Township  |  | Range: |  | Section |  |
| 08AT1                   |  | 006N      |  | 086W   |  | 36      |  |
| Mine:                   |  | Northing  |  |        |  |         |  |
| FOIDEL CREEK MINE       |  | 62404     |  |        |  |         |  |
| State:                  |  | Easting   |  |        |  |         |  |
| CO                      |  | 41689     |  |        |  |         |  |
| Drainage/Geologic Unit: |  | Elevation |  |        |  |         |  |
| 10/01/1978 to 9/30/2023 |  | 6580      |  |        |  |         |  |
| Date Range              |  |           |  |        |  |         |  |
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< - - denotes value is below detectable limits  
> - - denotes value is above detectable limits



## Ground and Surface Water Quality Report

|                                              |                        |                   |           |               |      |                 |   |
|----------------------------------------------|------------------------|-------------------|-----------|---------------|------|-----------------|---|
| <b>Sample Point:</b>                         | 08AU3                  | <b>Township:</b>  | 005N      | <b>Range:</b> | 086W | <b>Section:</b> | 2 |
| <b>Mine:</b>                                 | FOIDEL CREEK MINE      | <b>Northings:</b> | 58077     |               |      |                 |   |
| <b>State:</b>                                | CO                     | <b>Easting:</b>   | 33712     |               |      |                 |   |
| <b>Drainage/Geologic Unit:</b>               |                        | <b>Elevation:</b> | 6610      |               |      |                 |   |
| <b>Date Range:</b>                           | 10/01/2022 - 9/30/2023 |                   |           |               |      |                 |   |
| <b>Date(s) of Collection:</b>                | 2/26/2023              | 6/1/2023          | 9/13/2023 |               |      |                 |   |
| <b>Comment(s):</b>                           |                        |                   |           |               |      |                 |   |
| Chemical                                     | Unit                   |                   |           |               |      |                 |   |
| Alkalinity as CaCO <sub>3</sub> , @ pH 4.5   | mg/L                   | 312               | 299       |               |      |                 |   |
| Alkalinity, Bicarbonate as CaCO <sub>3</sub> | mg/L                   | 309               | 299       |               |      |                 |   |
| Alkalinity, Carbonate as CaCO <sub>3</sub>   | mg/L                   | 3.1               | < 20      |               |      |                 |   |
| Alkalinity, Hydroxide as CaCO <sub>3</sub>   | mg/L                   | < 20              | < 20      |               |      |                 |   |
| Ammonia Nitrogen                             | mg/L                   | < 0.2             | < 2       |               |      |                 |   |
| Bicarbonate as HCO <sub>3</sub>              | mg/L                   | 377               | 364       |               |      |                 |   |
| Cadmium, Dissolved                           | mg/L                   | < 0.00025         | < 0.00025 |               |      |                 |   |
| Calcium, Dissolved                           | mg/L                   | 89.9              | 98.2      |               |      |                 |   |
| Carbonate as CO <sub>3</sub>                 | mg/L                   | < 20              | < 20      |               |      |                 |   |
| Hydroxide as OH                              | mg/L                   | < 20              | < 20      |               |      |                 |   |
| Indication Oil and Grease                    | Y/N                    | N                 | N         |               |      |                 |   |
| Iron, Dissolved                              | mg/L                   | 0.670             | 0.378     |               |      |                 |   |
| Lead, Dissolved                              | mg/L                   | < 0.15            | 0.047     |               |      |                 |   |
| Magnesium, Dissolved                         | mg/L                   | 35.3              | 37.3      |               |      |                 |   |
| Manganese, Dissolved                         | mg/L                   | 0.191             | 0.523     |               |      |                 |   |
| Mercury, Dissolved                           | mg/L                   | < 0.001           | < 0.001   |               |      |                 |   |
| Molybdenum, Dissolved                        | mg/L                   | < 0.1             | < 0.1     |               |      |                 |   |
| NO <sub>3</sub> -NO <sub>2</sub> Nitrogen    | mg/L                   | 0.116             | 0.035     |               |      |                 |   |
| pH Temperature                               | Deg C                  | 22.0              | 22.9      |               |      |                 |   |
| pH, Field                                    | S.U.                   | 7.8               | 7.1       |               |      |                 |   |
| pH, Lab                                      | S.U.                   | 8.3               | 7.8       |               |      |                 |   |
| Phosphorus, Orthophosphorus                  | mg/L                   | < 0.05            | < 0.05    |               |      |                 |   |
| Selenium, Dissolved                          | mg/L                   | 0.00011           | 0.00011   |               |      |                 |   |
| Sodium, Dissolved                            | mg/L                   | 63.8              | 64.1      |               |      |                 |   |
| Specific Conductivity, Field                 | UMHOS/CM               | 1120              |           |               |      |                 |   |
| Specific Conductivity, Field                 | ums/cm                 | 970               | 1000      |               |      |                 |   |
| Specific Conductivity, Lab                   | ums/cm                 | 903               | 944       |               |      |                 |   |

|                             |       |      |
|-----------------------------|-------|------|
| Sulfates                    | mg/L  | 245  |
| Temperature, Field          | Deg C | 13.3 |
| Total Dissolved Solids, Lab | mg/L  | 672  |

221  
9.3  
604

8.2

## Ground and Surface Water Quality Statistics Report

| <b>Sample Point</b>                          | 08AU3                   | <b>Township</b>        | 005N       | <b>Range:</b> | 086W        | <b>Section</b>       | 2                     |
|----------------------------------------------|-------------------------|------------------------|------------|---------------|-------------|----------------------|-----------------------|
| <b>Mine:</b>                                 | FOIDEL CREEK MINE       | <b>Northing</b>        | 58077      |               |             |                      |                       |
| <b>State:</b>                                | CO                      | <b>Easting</b>         | 33712      |               |             |                      |                       |
| <b>Drainage/Geologic Unit:</b>               |                         | <b>Elevation</b>       | 6610       |               |             |                      |                       |
| <b>Date Range</b>                            | 10/01/1978 to 9/30/2023 |                        |            |               |             |                      |                       |
| <b>Param Description</b>                     | <b>Units</b>            | <b>Uncensored Data</b> |            |               |             | <b>Censored Data</b> |                       |
|                                              |                         | <b>Count</b>           | <b>Min</b> | <b>Max</b>    | <b>Mean</b> | <b>Std.Dev.</b>      | <b>Count</b>          |
| Alkalinity as CaCO <sub>3</sub> , @ pH 4.5   | mg/L                    | 32                     | 262        | 479           | 314.7813    | 37.68437             | 0                     |
| Alkalinity, Bicarbonate as CaCO <sub>3</sub> | mg/L                    | 32                     | 287        | 584           | 356.3438    | 53.79927             | 0                     |
| Alkalinity, Carbonate as CaCO <sub>3</sub>   | mg/L                    | 4                      | 3.1        | 15.9          | 7.3         | 5.9                  | 28 < 2 < 20           |
| Alkalinity, Hydroxide as CaCO <sub>3</sub>   | mg/L                    | 0                      |            |               |             |                      | 12 < 2 < 10           |
| Ammonia Nitrogen                             | mg/L                    | 23                     | 0.05       | 0.79          | 0.16        | 0.15                 | 9 < 0.05 < 5          |
| Bicarbonate as HCO <sub>3</sub>              | mg/L                    | 12                     | 350        | 427           | 388.0833    | 22.82526             | 0                     |
| Cadmium, Dissolved                           | mg/L                    | 1                      | 0.0003     | 0.0003        | 0.0003      |                      | 31 < 0.00005 < 0.0005 |
| Calcium, Dissolved                           | mg/L                    | 32                     | 84.8       | 475           | 115.7       | 66.4                 | 0                     |
| Carbonate as CO <sub>3</sub>                 | mg/L                    | 1                      | 9.5        | 9.5           | 9.5         |                      | 9 < 2 < 10            |
| Hardness, Calcium                            | mg/L                    | 0                      |            |               |             |                      | 2 < 2 < 2             |
| Hydroxide as OH                              | mg/L                    | 0                      |            |               |             |                      | 32 < 2 < 20           |
| Iron, Dissolved                              | mg/L                    | 31                     | 0.05       | 1.03          | 0.29        | 0.23                 | 1 < 0.05 < 0.05       |
| Lead, Dissolved                              | mg/L                    | 1                      | 0.047      | 0.047         | 0.047       |                      | 31 < 0.03 < 0.3       |
| Magnesium, Dissolved                         | mg/L                    | 32                     | 33.2       | 321           | 48.2        | 49.9                 | 0                     |
| Manganese, Dissolved                         | mg/L                    | 32                     | 0.061      | 1.24          | 0.511       | 0.198                | 0                     |
| Mercury, Dissolved                           | mg/L                    | 0                      |            |               |             |                      | 32 < 0.0002 < 0.001   |
| Molybdenum, Dissolved                        | mg/L                    | 1                      | 0.01       | 0.01          | 0.01        |                      | 31 < 0.02 < 0.2       |
| NO <sub>3</sub> -NO <sub>2</sub> Nitrogen    | mg/L                    | 23                     | 0.02       | 0.67          | 0.14        | 0.18                 | 9 < 0.02 < 0.1        |
| pH Temperature                               | Deg C                   | 32                     | 19         | 24            | 21.83125    | 1.188775             | 0                     |
| pH, Field                                    | S.U.                    | 2                      | 7.1        | 7.8           | 7.5         | 0.5                  | 0                     |
| pH, Lab                                      | S.U.                    | 32                     | 7.8        | 8.4           | 8.1         | 0.2                  | 0                     |
| Phosphorus, Dissolved                        | mg/L                    | 1                      | 0.02       | 0.02          | 0.02        |                      | 0                     |
| Phosphorus, Orthophosphorus                  | mg/L                    | 15                     | 0.01       | 0.04          | 0.02        | 0.01                 | 16 < 0.01 < 0.05      |
| Selenium, Dissolved                          | mg/L                    | 17                     | 0.0001     | 0.0011        | 0.0003      | 0.0003               | 15 < 0.0001 < 0.0005  |
| Sodium, Dissolved                            | mg/L                    | 32                     | 63.3       | 111           | 72.3        | 8.8                  | 0                     |
| Specific Conductivity, Field                 | ums/cm                  | 2                      | 970        | 1000          | 985         | 21.2132              | 0                     |
| Specific Conductivity, Lab                   | ums/cm                  | 32                     | 872        | 3310          | 1085.031    | 413.8531             | 0                     |
| Sulfates                                     | mg/L                    | 32                     | 200        | 2330          | 327.4375    | 367.1843             | 0                     |
| Temperature, Field                           | Deg C                   | 2                      | 9.3        | 13.3          | 11.3        | 2.8                  | 0                     |
| Total Dissolved Solids, Lab                  | mg/L                    | 32                     | 560        | 3760          | 797.25      | 546.4883             | 0                     |

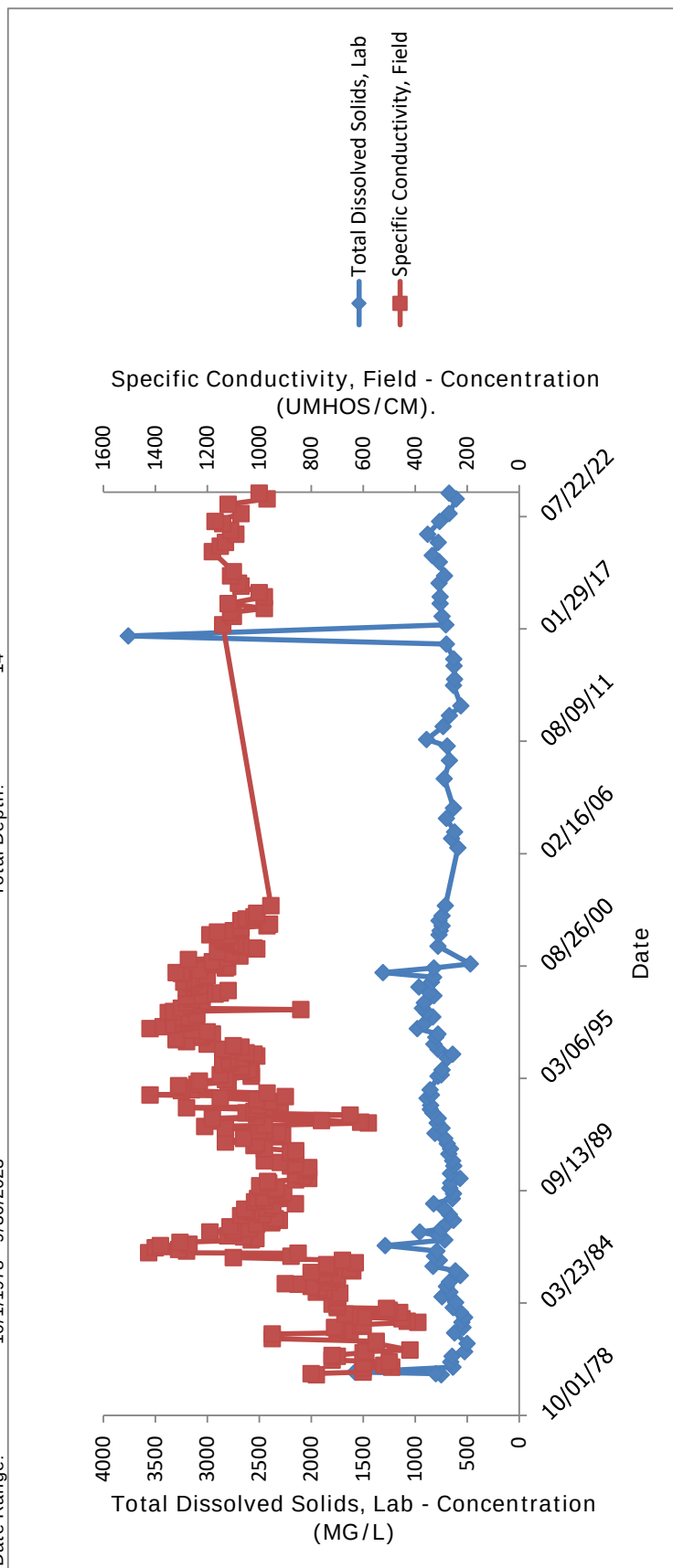
< - - denotes value is below detectable limits  
> - - denotes value is above detectable limits

FOIDEL CREEK MINE - 08AU3

Sample Point: 08AU3  
 Mine: FOIDEL CREEK MINE  
 State: CO  
 Drainage/Geologic Unit:  
 Date Range: 10/1/1978 - 9/30/2023

Township: 005N  
 Northing: 58077  
 Easting: 33712  
 Elevation: 6610  
 Total Depth: 14

Range: 086W  
 Section: 2





## Ground and Surface Water Quality Report

|                                |                        |                   |               |                 |
|--------------------------------|------------------------|-------------------|---------------|-----------------|
| <b>Sample Point:</b>           | 08AV1                  | <b>Township:</b>  | <b>Range:</b> | <b>Section:</b> |
| <b>Mine:</b>                   | FOIDEL CREEK MINE      | <b>Northing:</b>  | 50000         |                 |
| <b>State:</b>                  | CO                     | <b>Easting:</b>   | 41309         |                 |
| <b>Drainage/Geologic Unit:</b> |                        | <b>Elevation:</b> | 6677          |                 |
| <b>Date Range:</b>             | 10/01/2022 - 9/30/2023 |                   |               |                 |
| <b>Date(s) of Collection:</b>  | 11/19/2022             | 2/26/2023         | 6/1/2023      | 9/13/2023       |
| <b>Comment(s):</b>             |                        |                   |               |                 |
| Chemical                       | Unit                   |                   |               |                 |
| Indication Oil and Grease      | Y/N                    | N                 | N             | N               |
| pH, Field                      | S.U.                   | 7.34              | 7.35          | 7.4             |
| Specific Conductivity, Field   | UMHOS/CM               | 1190              | 1200          | 1310            |
| Temperature, Field             | Deg C                  | 9.7               | 8.5           | 7.9             |
|                                |                        |                   |               | 12.4            |

# FOIDEL CREEK MINE - 08AV1

Section:

Range:

Township:

Sample Point:

Mine:

50000

Northing:

FOIDEL CREEK MINE

State:

41309

Easting:

CO

Drainage/Geologic Unit:

6677

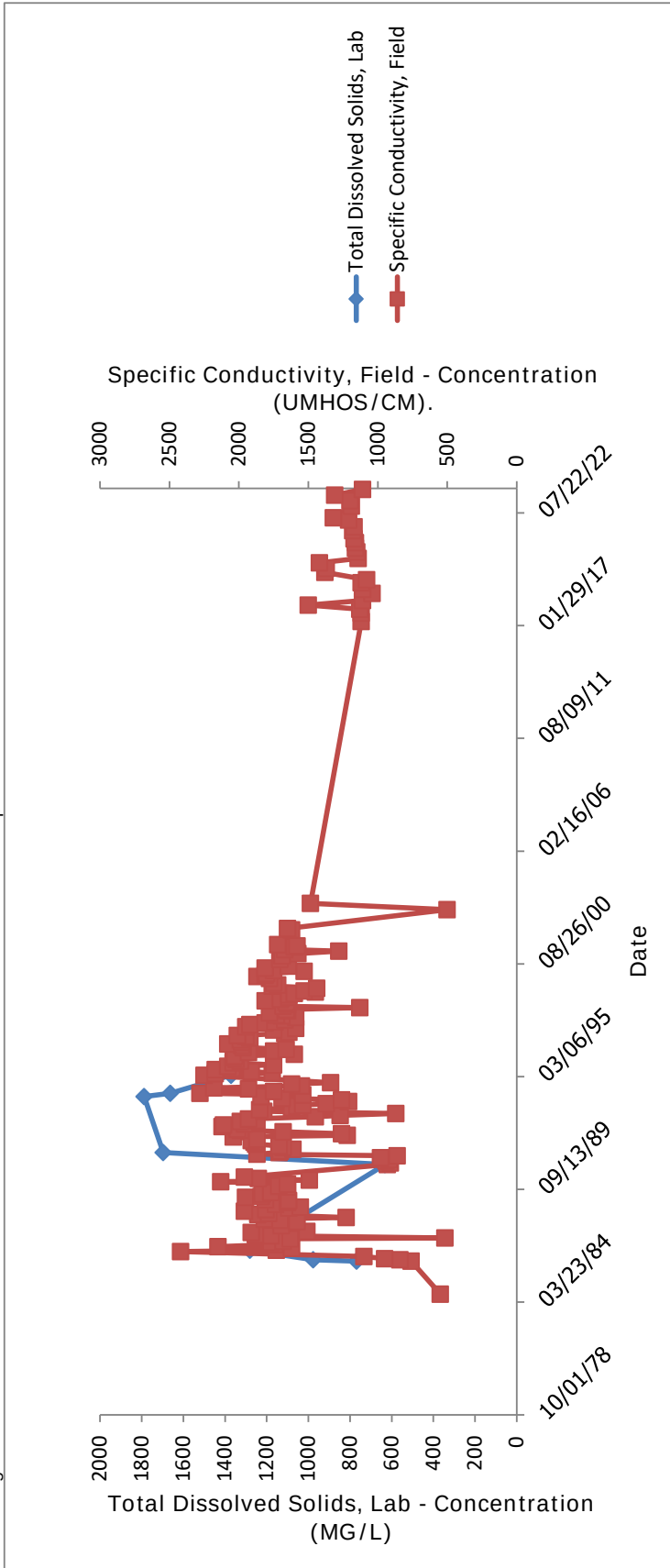
Elevation:

10/1/1978 - 9/30/2023

Date Range:

0

Total Depth:





|                             |       |      |
|-----------------------------|-------|------|
| Sulfates                    | mg/L  | 364  |
| Temperature, Field          | Deg C | 12.1 |
| Total Dissolved Solids, Lab | mg/L  | 1020 |

408  
9.1  
1080

8.3

9.8

## Ground and Surface Water Quality Statistics Report

|                                |                         |                  |       |               |      |                |    |
|--------------------------------|-------------------------|------------------|-------|---------------|------|----------------|----|
| <b>Sample Point</b>            | 08AV2                   | <b>Township</b>  | 005N  | <b>Range:</b> | 086W | <b>Section</b> | 13 |
| <b>Mine:</b>                   | FOIDEL CREEK MINE       | <b>Northing</b>  | 50034 |               |      |                |    |
| <b>State:</b>                  | CO                      | <b>Easting</b>   | 41312 |               |      |                |    |
| <b>Drainage/Geologic Unit:</b> |                         | <b>Elevation</b> | 6677  |               |      |                |    |
| <b>Date Range</b>              | 10/01/1978 to 9/30/2023 |                  |       |               |      |                |    |

| Parm Description                             | Units  | Uncensored Data |         |         |          | Censored Data |       |           |          |
|----------------------------------------------|--------|-----------------|---------|---------|----------|---------------|-------|-----------|----------|
|                                              |        | Count           | Min     | Max     | Mean     | Std.Dev.      | Count | Min       | Max      |
| Alkalinity as CaCO <sub>3</sub> , @ pH 4.5   | mg/L   | 34              | 288     | 471     | 366.7059 | 40.38491      | 0     |           |          |
| Alkalinity, Bicarbonate as CaCO <sub>3</sub> | mg/L   | 34              | 352     | 471     | 415.5294 | 30.24169      | 0     |           |          |
| Alkalinity, Carbonate as CaCO <sub>3</sub>   | mg/L   | 1               | 2.1     | 2.1     | 2.1      |               | 33    | < 2       | < 20     |
| Alkalinity, Hydroxide as CaCO <sub>3</sub>   | mg/L   | 0               |         |         |          |               | 12    | < 2       | < 10     |
| Ammonia Nitrogen                             | mg/L   | 27              | 0.08    | 1.74    | 0.42     | 0.39          | 7     | < 0.05    | < 5      |
| Bicarbonate as HCO <sub>3</sub>              | mg/L   | 12              | 445     | 575     | 497.5    | 36.56501      | 0     |           |          |
| Cadmium, Dissolved                           | mg/L   | 5               | 6.4E-05 | 0.00015 | 0.00009  | 0.00003       | 29    | < 0.00005 | < 0.0005 |
| Calcium, Dissolved                           | mg/L   | 34              | 149     | 207     | 169.6471 | 15.99599      | 0     |           |          |
| Carbonate as CO <sub>3</sub>                 | mg/L   | 0               |         |         |          |               | 10    | < 2       | < 10     |
| Hardness, Calcium                            | mg/L   | 0               |         |         |          |               | 2     | < 2       | < 2      |
| Hydroxide as OH                              | mg/L   | 0               |         |         |          |               | 34    | < 2       | < 20     |
| Iron, Dissolved                              | mg/L   | 34              | 0.03    | 2.54    | 0.53     | 0.63          | 0     |           |          |
| Lead, Dissolved                              | mg/L   | 1               | 0.036   | 0.036   | 0.036    |               | 33    | < 0.03    | < 0.2    |
| Magnesium, Dissolved                         | mg/L   | 34              | 61.2    | 84.4    | 69.6     | 6.6           | 0     |           |          |
| Manganese, Dissolved                         | mg/L   | 34              | 0.055   | 2.2     | 1.070    | 0.571         | 0     |           |          |
| Mercury, Dissolved                           | mg/L   | 2               | 0.0002  | 0.0003  | 0.0003   | 0.0001        | 32    | < 0.0002  | < 0.001  |
| Molybdenum, Dissolved                        | mg/L   | 2               | 0.01    | 0.02    | 0.02     | 0.01          | 32    | < 0.02    | < 0.1    |
| NO <sub>3</sub> -NO <sub>2</sub> Nitrogen    | mg/L   | 29              | 0.02    | 0.37    | 0.13     | 0.11          | 5     | < 0.02    | < 0.1    |
| pH Temperature                               | Deg C  | 34              | 18.9    | 25      | 22.0     | 1.3           | 0     |           |          |
| pH, Field                                    | S.U.   | 2               | 7.4     | 7.7     | 7.6      | 0.2           | 0     |           |          |
| pH, Lab                                      | S.U.   | 34              | 7.7     | 8.3     | 8.1      | 0.2           | 0     |           |          |
| Phosphorus, Dissolved                        | mg/L   | 3               | 0.02    | 0.05    | 0.04     | 0.02          | 0     |           |          |
| Phosphorus, Orthophosphorus                  | mg/L   | 20              | 0.01    | 0.08    | 0.03     | 0.02          | 11    | < 0.01    | < 0.05   |
| Selenium, Dissolved                          | mg/L   | 26              | 0.0001  | 0.0013  | 0.0004   | 0.0004        | 8     | < 0.0001  | < 0.0005 |
| Sodium, Dissolved                            | mg/L   | 34              | 80.4    | 108     | 97.6     | 5.4           | 0     |           |          |
| Specific Conductivity, Field                 | ums/cm | 2               | 1500    | 1560    | 1530     | 42.42641      | 0     |           |          |
| Specific Conductivity, Lab                   | ums/cm | 34              | 1380    | 1810    | 1534.118 | 103.4296      | 0     |           |          |
| Sulfates                                     | mg/L   | 34              | 364     | 630     | 500.3824 | 69.68545      | 0     |           |          |
| Temperature, Field                           | Deg C  | 2               | 9.1     | 12.1    | 10.6     | 2.1           | 0     |           |          |
| Total Dissolved Solids, Lab                  | mg/L   | 34              | 1020    | 1350    | 1166.471 | 90.04653      | 0     |           |          |

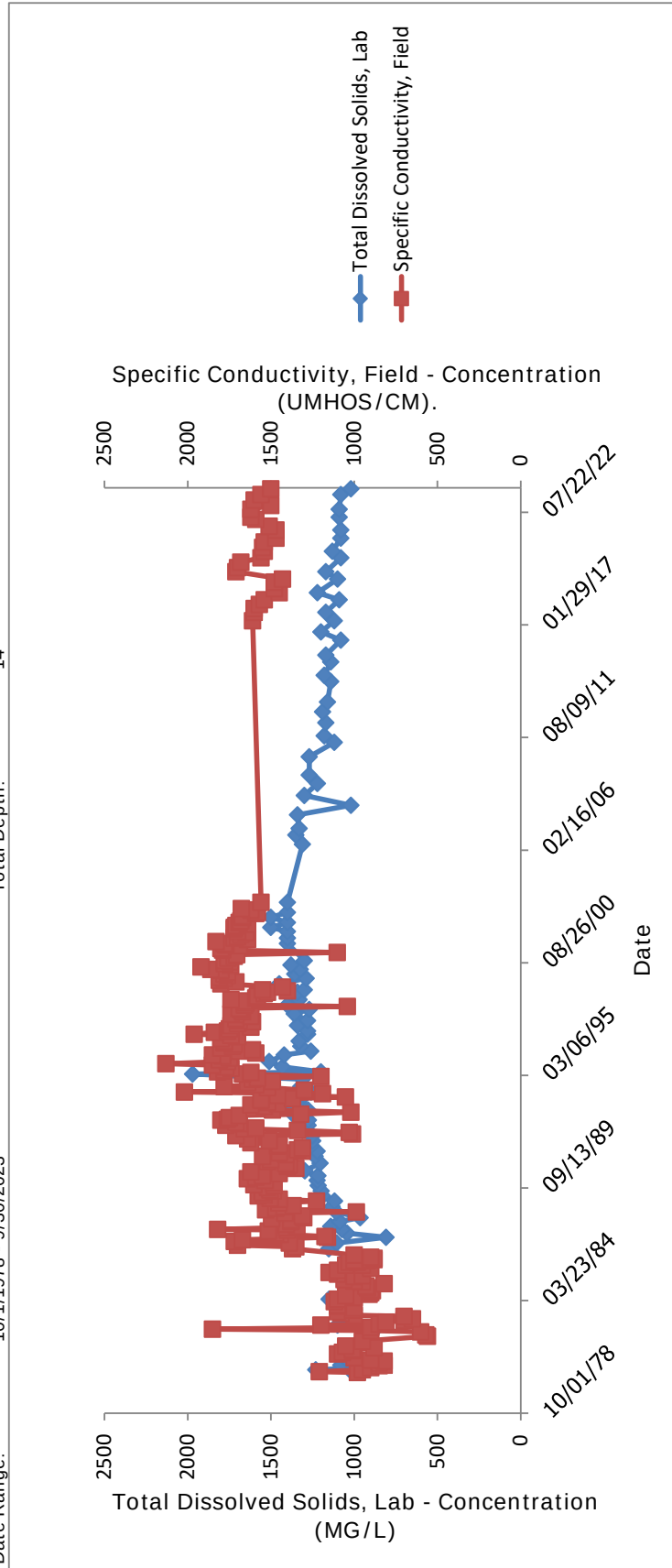
< - - denotes value is below detectable limits  
> - - denotes value is above detectable limits

# FOIDEL CREEK MINE - 08AV2

Sample Point: 08AV2  
 Mine: FOIDEL CREEK MINE  
 State: CO  
 Drainage/Geologic Unit:  
 Date Range: 10/1/1978 - 9/30/2023

Township: 005N  
 Northing: 50034  
 Easting: 41312  
 Elevation: 6677  
 Total Depth: 14

Range: 086W  
 Section: 13



## Ground and Surface Water Quality Report

|                                              |                        |                   |          |               |      |                 |   |
|----------------------------------------------|------------------------|-------------------|----------|---------------|------|-----------------|---|
| <b>Sample Point:</b>                         | 08AW3                  | <b>Township:</b>  | 005N     | <b>Range:</b> | 086W | <b>Section:</b> | 2 |
| <b>Mine:</b>                                 | FOIDEL CREEK MINE      | <b>Northings:</b> | 58429    |               |      |                 |   |
| <b>State:</b>                                | CO                     | <b>Easting:</b>   | 37142    |               |      |                 |   |
| <b>Drainage/Geologic Unit:</b>               |                        | <b>Elevation:</b> | 6599     |               |      |                 |   |
| <b>Date Range:</b>                           | 10/01/2022 - 9/30/2023 |                   |          |               |      |                 |   |
| <b>Date(s) of Collection:</b>                | 11/19/2022             | 2/26/2023         | 6/1/2023 | 9/13/2023     |      |                 |   |
| <b>Comment(s):</b>                           |                        |                   |          |               |      |                 |   |
| Chemical                                     | Unit                   |                   |          |               |      |                 |   |
| Alkalinity as CaCO <sub>3</sub> , @ pH 4.5   | mg/L                   |                   | 566      | 568           |      |                 |   |
| Alkalinity, Bicarbonate as CaCO <sub>3</sub> | mg/L                   |                   | 566      | 568           |      |                 |   |
| Alkalinity, Carbonate as CaCO <sub>3</sub>   | mg/L                   |                   | < 20     | < 20          |      |                 |   |
| Alkalinity, Hydroxide as CaCO <sub>3</sub>   | mg/L                   |                   | < 20     | < 20          |      |                 |   |
| Ammonia Nitrogen                             | mg/L                   |                   | < 0.2    | 0.145         |      |                 |   |
| Bicarbonate as HCO <sub>3</sub>              | mg/L                   |                   | 691      | 693           |      |                 |   |
| Cadmium, Dissolved                           | mg/L                   |                   | 0.000154 | 0.000445      |      |                 |   |
| Calcium, Dissolved                           | mg/L                   |                   | 370      | 446           |      |                 |   |
| Carbonate as CO <sub>3</sub>                 | mg/L                   |                   | < 20     | < 20          |      |                 |   |
| Hydroxide as OH                              | mg/L                   |                   | < 20     | < 20          |      |                 |   |
| Indication Oil and Grease                    | Y/N                    | N                 | N        | N             |      |                 |   |
| Iron, Dissolved                              | mg/L                   |                   | < 0.3    | 0.197         |      |                 |   |
| Lead, Dissolved                              | mg/L                   |                   | < 0.3    | 0.061         |      |                 |   |
| Magnesium, Dissolved                         | mg/L                   |                   | 250      | 318           |      |                 |   |
| Manganese, Dissolved                         | mg/L                   |                   | 0.136    | 0.560         |      |                 |   |
| Mercury, Dissolved                           | mg/L                   |                   | < 0.001  | < 0.001       |      |                 |   |
| Molybdenum, Dissolved                        | mg/L                   |                   | < 0.2    | < 0.2         |      |                 |   |
| NO <sub>3</sub> -NO <sub>2</sub> Nitrogen    | mg/L                   |                   | 0.034    | 0.066         |      |                 |   |
| pH Temperature                               | Deg C                  |                   | 21.9     | 22.7          |      |                 |   |
| pH, Field                                    | S.U.                   | 6.97              | 7.3      | 6.9           |      |                 |   |
| pH, Lab                                      | S.U.                   |                   | 8.1      | 7.6           |      |                 |   |
| Phosphorus, Orthophosphorus                  | mg/L                   |                   | < 0.05   | 0.013         |      |                 |   |
| Selenium, Dissolved                          | mg/L                   |                   | < 0.0005 | < 0.00025     |      |                 |   |
| Sodium, Dissolved                            | mg/L                   |                   | 90.2     | 106           |      |                 |   |
| Specific Conductivity, Field                 | UMHOS/CM               | 3670              | 3450     |               |      |                 |   |
| Specific Conductivity, Field                 | ums/cm                 |                   | 3010     | 3390          |      |                 |   |
| Specific Conductivity, Lab                   | ums/cm                 |                   | 3000     | 3540          |      |                 |   |



|                             |       |      |
|-----------------------------|-------|------|
| Sulfates                    | mg/L  | 2050 |
| Temperature, Field          | Deg C | 14.1 |
| Total Dissolved Solids, Lab | mg/L  | 3390 |

1590  
10.1  
2770

8.4

10.2

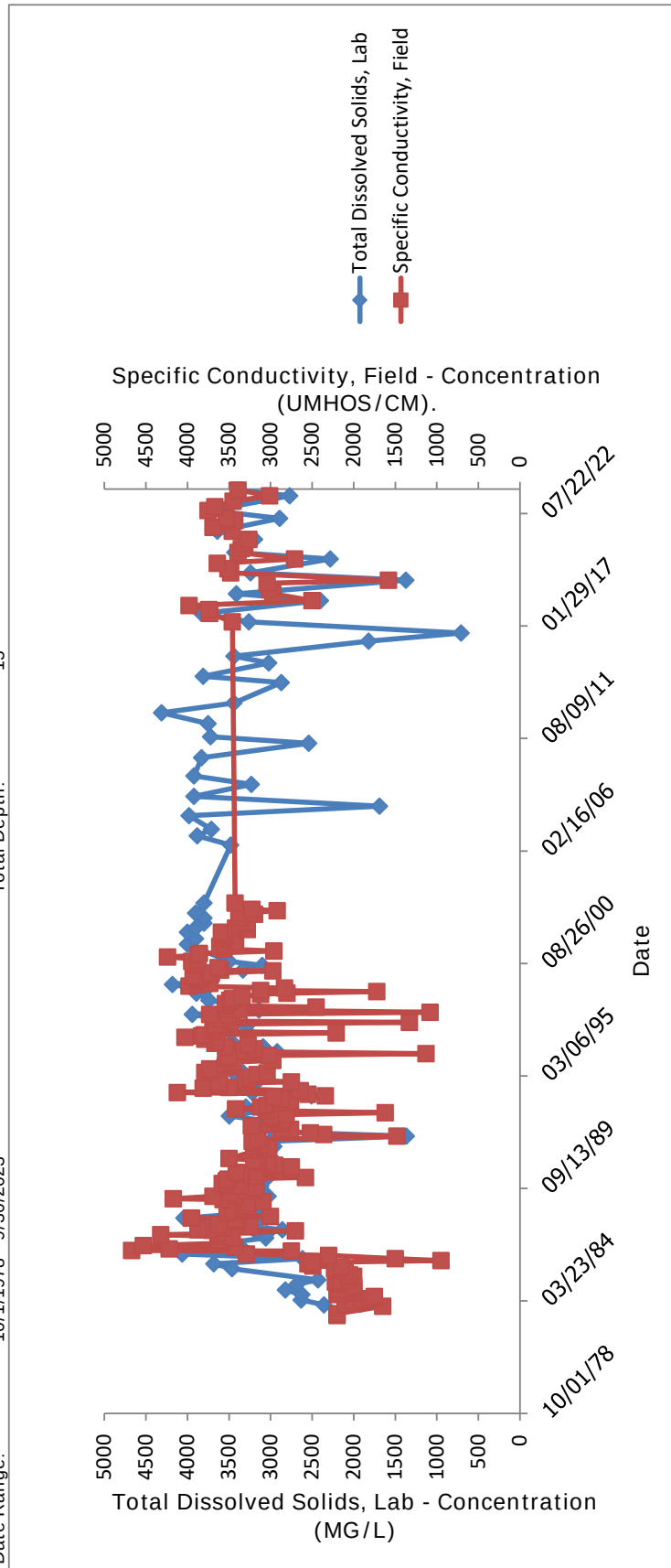
## Ground and Surface Water Quality Statistics Report

| Sample Point                     |                         | Township        |        | Range: |          | Section       |       |     |        |
|----------------------------------|-------------------------|-----------------|--------|--------|----------|---------------|-------|-----|--------|
| Mine:                            | 08AW3                   | 005N            |        | 086W   |          | 2             |       |     |        |
| State:                           | FOIDEL CREEK MINE       | Northing        |        |        |          |               |       |     |        |
|                                  | CO                      | Easting         |        |        |          |               |       |     |        |
| Drainage/Geologic Unit:          |                         | Elevation       |        |        |          |               |       |     |        |
| Date Range                       | 10/01/1978 to 9/30/2023 |                 |        |        |          |               |       |     |        |
| Parm Description                 | Units                   | Uncensored Data |        |        |          | Censored Data |       |     |        |
|                                  |                         | Count           | Min    | Max    | Mean     | Std.Dev.      | Count | Min | Max    |
| Alkalinity as CaCO3, @ pH 4.5    | mg/L                    | 34              | 274    | 612    | 468.8529 | 88.21741      | 0     |     |        |
| Alkalinity, Bicarbonate as CaCO3 | mg/L                    | 34              | 274    | 682    | 533.2941 | 98.91029      | 0     |     |        |
| Alkalinity, Carbonate as CaCO3   | mg/L                    | 0               |        |        |          |               | 34    | <   | 20     |
| Alkalinity, Hydroxide as CaCO3   | mg/L                    | 0               |        |        |          |               | 12    | <   | 10     |
| Ammonia Nitrogen                 | mg/L                    | 12              | 0.052  | 0.422  | 0.127    | 0.098         | 22    | <   | 0.05   |
| Bicarbonate as HCO3              | mg/L                    | 12              | 334    | 747    | 610.25   | 120.893       | 0     |     | 3      |
| Cadmium, Dissolved               | mg/L                    | 14              | 8E-05  | 0.0005 | 0.0003   | 0.0001        | 20    | <   | 0.0001 |
| Calcium, Dissolved               | mg/L                    | 34              | 105    | 530    | 409.7353 | 99.66073      | 0     |     | 0.001  |
| Carbonate as CO3                 | mg/L                    | 0               |        |        |          |               | 10    | <   | 2      |
| Hardness, Calcium                | mg/L                    | 0               |        |        |          |               | 2     | <   | 2      |
| Hydroxide as OH                  | mg/L                    | 0               |        |        |          |               | 34    | <   | 20     |
| Iron, Dissolved                  | mg/L                    | 22              | 0.02   | 0.34   | 0.12     | 0.09          | 12    | <   | 0.03   |
| Lead, Dissolved                  | mg/L                    | 1               | 0.061  | 0.061  | 0.061    |               | 33    | <   | 0.12   |
| Magnesium, Dissolved             | mg/L                    | 34              | 39     | 386    | 280.7941 | 76.22168      | 0     |     | 0.4    |
| Manganese, Dissolved             | mg/L                    | 32              | 0.024  | 1.53   | 0.333    | 0.362         | 2     | <   | 0.01   |
| Mercury, Dissolved               | mg/L                    | 0               |        |        |          |               | 34    | <   | 0.0002 |
| Molybdenum, Dissolved            | mg/L                    | 4               | 0.01   | 0.04   | 0.02     | 0.01          | 30    | <   | 0.001  |
| NO3-NO2 Nitrogen                 | mg/L                    | 22              | 0.02   | 0.88   | 0.16     | 0.18          | 12    | <   | 0.2    |
| pH Temperature                   | Deg C                   | 34              | 19     | 24     | 21.86765 | 1.250871      | 0     |     | 0.1    |
| pH, Field                        | S.U.                    | 2               | 6.9    | 7.3    | 7.1      | 0.3           | 0     |     |        |
| pH, Lab                          | S.U.                    | 34              | 7.5    | 8.2    | 7.9      | 0.2           | 0     |     |        |
| Phosphorus, Dissolved            | mg/L                    | 2               | 0.01   | 0.02   | 0.02     | 0.01          | 1     | <   | 0.05   |
| Phosphorus, Orthophosphorus      | mg/L                    | 17              | 0.01   | 0.03   | 0.02     | 0.01          | 14    | <   | 0.01   |
| Selenium, Dissolved              | mg/L                    | 11              | 0.0001 | 0.0004 | 0.0003   | 0.0001        | 23    | <   | 0.0001 |
| Sodium, Dissolved                | mg/L                    | 34              | 40.8   | 179    | 101.5    | 29.8          | 0     |     |        |
| Specific Conductivity, Field     | ums/cm                  | 2               | 3010   | 3390   | 3200     | 268.7006      | 0     |     |        |
| Specific Conductivity, Lab       | ums/cm                  | 34              | 945    | 4130   | 3244.265 | 716.9254      | 0     |     |        |
| Sulfates                         | mg/L                    | 34              | 270    | 2600   | 1874.706 | 532.6164      | 0     |     |        |
| Temperature, Field               | Deg C                   | 2               | 10.1   | 14.1   | 12.1     | 2.8           | 0     |     |        |
| Total Dissolved Solids, Lab      | mg/L                    | 34              | 706    | 4310   | 3172.823 | 820.1594      | 0     |     |        |

< - - denotes value is below detectable limits  
> - - denotes value is above detectable limits

# FOIDEL CREEK MINE - 08AW3

Sample Point: 08AW3 Township: 005N Range: 086W Section: 2  
 Mine: FOIDEL CREEK MINE Northing: 58429  
 State: CO Easting: 37142  
 Drainage/Geologic Unit: Elevation: 6599  
 Date Range: 10/1/1978 - 9/30/2023 Total Depth: 15





|                             |       |     |
|-----------------------------|-------|-----|
| Sulfates                    | mg/L  | 250 |
| Temperature, Field          | Deg C | 8.0 |
| Total Dissolved Solids, Lab | mg/L  | 812 |

|     |
|-----|
| 237 |
| 8.1 |
| 828 |

8.8

9.6

## Ground and Surface Water Quality Statistics Report

| Sample Point                     |                   | 09S10                   | Township | 005N   | Range: |          | 086W     | Section | 31        |          |
|----------------------------------|-------------------|-------------------------|----------|--------|--------|----------|----------|---------|-----------|----------|
| Mine:                            | FOIDEL CREEK MINE |                         | Northing | 28906  |        |          |          |         |           |          |
| State:                           | CO                |                         | Easting  | 12366  |        |          |          |         |           |          |
| Drainage/Geologic Unit:          |                   |                         |          |        |        |          |          |         |           |          |
| Date Range                       |                   | 10/01/1978 to 9/30/2023 |          |        |        |          |          |         |           |          |
| Parm Description                 |                   | Units                   | Count    | Min    | Max    | Mean     | Std.Dev. | Count   | Min       | Max      |
| Alkalinity as CaCO3, @ pH 4.5    |                   | mg/L                    | 34       | 360    | 476    | 435.0588 | 22.94518 | 0       |           |          |
| Alkalinity, Bicarbonate as CaCO3 |                   | mg/L                    | 34       | 379    | 568    | 478.8235 | 55.54003 | 0       |           |          |
| Alkalinity, Carbonate as CaCO3   |                   | mg/L                    | 24       | 3.2    | 40.4   | 16.4     | 9.7      | 10      | < 2       | < 20     |
| Alkalinity, Hydroxide as CaCO3   |                   | mg/L                    | 0        |        |        |          |          | 12      | < 2       | < 10     |
| Ammonia Nitrogen                 |                   | mg/L                    | 27       | 0.072  | 1.92   | 0.869    | 0.453    | 7       | < 0.05    | < 3      |
| Bicarbonate as HCO3              |                   | mg/L                    | 13       | 463    | 556    | 506.7692 | 26.0069  | 0       |           |          |
| Cadmium, Dissolved               |                   | mg/L                    | 4        | 5E-05  | 0.0008 | 0.0003   | 0.0004   | 30      | < 0.00005 | < 0.0005 |
| Calcium, Dissolved               |                   | mg/L                    | 34       | 41.3   | 51.9   | 46.4     | 2.4      | 0       |           |          |
| Carbonate as CO3                 |                   | mg/L                    | 7        | 3.8    | 24.2   | 14.7     | 6.7      | 4       | < 2       | < 10     |
| Hardness, Calcium                |                   | mg/L                    | 2        | 5.8    | 14.3   | 10.1     | 6.0      | 0       |           |          |
| Hydroxide as OH                  |                   | mg/L                    | 0        |        |        |          |          | 34      | < 2       | < 20     |
| Iron, Dissolved                  |                   | mg/L                    | 27       | 0.02   | 1.33   | 0.19     | 0.26     | 7       | < 0.05    | < 0.06   |
| Lead, Dissolved                  |                   | mg/L                    | 1        | 0.034  | 0.034  | 0.034    |          | 33      | < 0.03    | < 0.2    |
| Magnesium, Dissolved             |                   | mg/L                    | 34       | 20.6   | 25     | 22.6     | 1.1      | 0       |           |          |
| Manganese, Dissolved             |                   | mg/L                    | 26       | 0.008  | 0.568  | 0.123    | 0.140    | 8       | < 0.005   | < 0.03   |
| Mercury, Dissolved               |                   | mg/L                    | 3        | 0.0002 | 0.0004 | 0.0003   | 0.0001   | 31      | < 0.0002  | < 0.001  |
| Molybdenum, Dissolved            |                   | mg/L                    | 0        |        |        |          |          | 34      | < 0.02    | < 0.1    |
| NO3-NO2 Nitrogen                 |                   | mg/L                    | 31       | 0.02   | 1.41   | 0.49     | 0.43     | 3       | < 0.02    | < 0.1    |
| pH Temperature                   |                   | Deg C                   | 34       | 19     | 25     | 21.90294 | 1.243769 | 0       |           |          |
| pH, Field                        |                   | S.U.                    | 2        | 7.6    | 7.7    | 7.7      | 0.1      | 0       |           |          |
| pH, Lab                          |                   | S.U.                    | 34       | 7.9    | 8.6    | 8.4      | 0.1      | 0       |           |          |
| Phosphorus, Dissolved            |                   | mg/L                    | 3        | 0.02   | 0.96   | 0.36     | 0.52     | 0       |           |          |
| Phosphorus, Orthophosphorus      |                   | mg/L                    | 31       | 0.02   | 0.53   | 0.17     | 0.15     | 0       |           |          |
| Selenium, Dissolved              |                   | mg/L                    | 4        | 0.0001 | 0.0005 | 0.0002   | 0.0002   | 30      | < 0.0001  | < 0.0005 |
| Sodium, Dissolved                |                   | mg/L                    | 34       | 188    | 227    | 206.1765 | 8.611024 | 0       |           |          |
| Specific Conductivity, Field     |                   | ums/cm                  | 2        | 1280   | 1320   | 1300     | 28.28427 | 0       |           |          |
| Specific Conductivity, Lab       |                   | ums/cm                  | 34       | 1100   | 1350   | 1212.647 | 47.75625 | 0       |           |          |
| Sulfates                         |                   | mg/L                    | 34       | 190    | 550    | 231.5588 | 57.80751 | 0       |           |          |
| Temperature, Field               |                   | Deg C                   | 2        | 8      | 8.1    | 8.1      | 0.1      | 0       |           |          |
| Total Dissolved Solids, Lab      |                   | mg/L                    | 34       | 730    | 828    | 787.0588 | 24.51585 | 0       |           |          |

< - - denotes value is below detectable limits  
> - - denotes value is above detectable limits

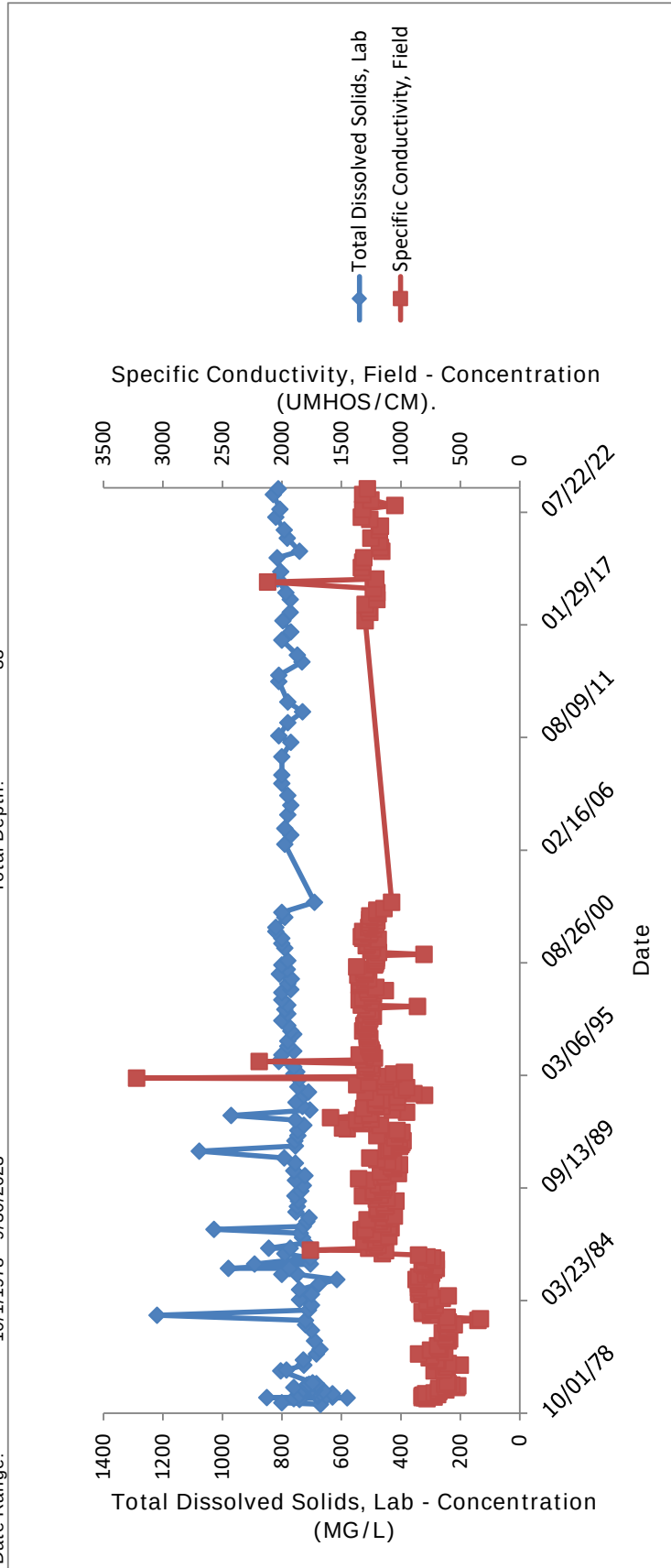


# FOIDEL CREEK MINE - 09S10

Sample Point: 09S10  
 Mine: FOIDEL CREEK MINE  
 State: CO  
 Drainage/Geologic Unit:  
 Date Range: 10/1/1978 - 9/30/2023

Township: 005N  
 Range: 086W  
 Section: 31

Northings: 28906  
 Eastings: 12366  
 Elevation: 6907  
 Total Depth: 33



## Ground and Surface Water Quality Report

|                                              |                        |                   |           |               |      |                 |    |
|----------------------------------------------|------------------------|-------------------|-----------|---------------|------|-----------------|----|
| <b>Sample Point:</b>                         | AVF13                  | <b>Township:</b>  | 005N      | <b>Range:</b> | 086W | <b>Section:</b> | 17 |
| <b>Mine:</b>                                 | FOIDEL CREEK MINE      | <b>Northings:</b> | 45641     |               |      |                 |    |
| <b>State:</b>                                | CO                     | <b>Easting:</b>   | 19851     |               |      |                 |    |
| <b>Drainage/Geologic Unit:</b>               |                        | <b>Elevation:</b> | 6686      |               |      |                 |    |
| <b>Date Range:</b>                           | 10/01/2022 - 9/30/2023 |                   |           |               |      |                 |    |
| <b>Date(s) of Collection:</b>                | 11/19/2022             | 2/26/2023         | 6/1/2023  | 9/13/2023     |      |                 |    |
| <b>Comment(s):</b>                           |                        |                   |           |               |      |                 |    |
| Chemical                                     | Unit                   |                   |           |               |      |                 |    |
| Alkalinity as CaCO <sub>3</sub> , @ pH 4.5   | mg/L                   |                   | 454       | 295           |      |                 |    |
| Alkalinity, Bicarbonate as CaCO <sub>3</sub> | mg/L                   |                   | 454       | 295           |      |                 |    |
| Alkalinity, Carbonate as CaCO <sub>3</sub>   | mg/L                   |                   | < 20      | < 20          |      |                 |    |
| Alkalinity, Hydroxide as CaCO <sub>3</sub>   | mg/L                   |                   | < 20      | < 20          |      |                 |    |
| Ammonia Nitrogen                             | mg/L                   |                   | < 0.2     | < 2           |      |                 |    |
| Bicarbonate as HCO <sub>3</sub>              | mg/L                   |                   | 554       | 360           |      |                 |    |
| Cadmium, Dissolved                           | mg/L                   |                   | < 0.00025 | < 0.00025     |      |                 |    |
| Calcium, Dissolved                           | mg/L                   |                   | 113       | 82.8          |      |                 |    |
| Carbonate as CO <sub>3</sub>                 | mg/L                   |                   | < 20      | < 20          |      |                 |    |
| Hydroxide as OH                              | mg/L                   |                   | < 20      | < 20          |      |                 |    |
| Indication Oil and Grease                    | Y/N                    | N                 | N         | N             |      |                 |    |
| Iron, Dissolved                              | mg/L                   |                   | 0.307     | 0.525         |      |                 |    |
| Lead, Dissolved                              | mg/L                   |                   | < 0.15    | 0.061         |      |                 |    |
| Magnesium, Dissolved                         | mg/L                   |                   | 54.5      | 45.3          |      |                 |    |
| Manganese, Dissolved                         | mg/L                   |                   | 0.268     | 0.495         |      |                 |    |
| Mercury, Dissolved                           | mg/L                   |                   | < 0.001   | < 0.001       |      |                 |    |
| Molybdenum, Dissolved                        | mg/L                   |                   | < 0.1     | < 0.1         |      |                 |    |
| NO <sub>3</sub> -NO <sub>2</sub> Nitrogen    | mg/L                   |                   | 0.032     | < 0.1         |      |                 |    |
| pH Temperature                               | Deg C                  |                   | 22.5      | 23.0          |      |                 |    |
| pH, Field                                    | S.U.                   | 7.4               | 7.5       | 7.2           |      |                 |    |
| pH, Lab                                      | S.U.                   |                   | 8.3       | 7.7           |      |                 |    |
| Phosphorus, Orthophosphorus                  | mg/L                   |                   | 0.083     | < 0.05        |      |                 |    |
| Selenium, Dissolved                          | mg/L                   |                   | 0.00046   | 0.00050       |      |                 |    |
| Sodium, Dissolved                            | mg/L                   |                   | 75.7      | 39.9          |      |                 |    |
| Specific Conductivity, Field                 | UMHOS/CM               | 1110              | 1040      |               |      |                 |    |
| Specific Conductivity, Field                 | ums/cm                 |                   | 1240      | 880           |      |                 |    |
| Specific Conductivity, Lab                   | ums/cm                 |                   | 1160      | 842           |      |                 |    |

|                             |       |      |
|-----------------------------|-------|------|
| Sulfates                    | mg/L  | 195  |
| Temperature, Field          | Deg C | 12.7 |
| Total Dissolved Solids, Lab | mg/L  | 552  |

|     |
|-----|
| 253 |
| 9.4 |
| 796 |

8.4

9.8

## Ground and Surface Water Quality Statistics Report

**Sample Point** AVF13  
**Mine:** FOIDEL CREEK MINE  
**State:** CO  
**Drainage/Geologic Unit:**  
**Date Range** 10/01/1978 to 9/30/2023

**Township** 005N  
**Northing** 45641  
**Easting** 19851  
**Elevation** 6686  
**Range:** 086W  
**Section** 17

| Parm Description                 | Units  | Uncensored Data |        |          |          |          | Censored Data |           |           |          |  |
|----------------------------------|--------|-----------------|--------|----------|----------|----------|---------------|-----------|-----------|----------|--|
|                                  |        | Count           | Min    | Max      | Mean     | Std.Dev. | Count         | Min       | Max       | Max      |  |
| Alkalinity as CaCO3, @ pH 4.5    | mg/L   | 33              | 270    | 532      | 365.6667 | 69.58792 | 0             |           |           |          |  |
| Alkalinity, Bicarbonate as CaCO3 | mg/L   | 33              | 292    | 587      | 415.1212 | 81.85687 | 0             |           |           |          |  |
| Alkalinity, Carbonate as CaCO3   | mg/L   | 2               | 6.8    | 7.8      | 7.3      | 0.7      | 31            | < 2       | < 2       | < 20     |  |
| Alkalinity, Hydroxide as CaCO3   | mg/L   | 0               |        |          |          |          | 12            | < 2       | < 2       | < 10     |  |
| Ammonia Nitrogen                 | mg/L   | 20              | 0.06   | 0.39     | 0.14     | 0.08     | 13            | < 0.05    | < 0.05    | < 5      |  |
| Bicarbonate as HCO3              | mg/L   | 12              | 356    | 649      | 460.4167 | 102.9293 | 0             |           |           |          |  |
| Cadmium, Dissolved               | mg/L   | 2               | 0.0001 | 0.000112 | 0.000106 | 0.000008 | 31            | < 0.00005 | < 0.00005 | < 0.0005 |  |
| Calcium, Dissolved               | mg/L   | 33              | 72.7   | 154      | 104.6    | 27.4     | 0             |           |           |          |  |
| Carbonate as CO3                 | mg/L   | 1               | 4.1    | 4.1      | 4.1      |          | 9             | < 2       | < 2       | < 10     |  |
| Hardness, Calcium                | mg/L   | 0               |        |          |          |          | 2             | < 2       | < 2       | < 2      |  |
| Hydroxide as OH                  | mg/L   | 0               |        |          |          |          | 33            | < 2       | < 2       | < 20     |  |
| Iron, Dissolved                  | mg/L   | 33              | 0.03   | 2.25     | 0.27     | 0.39     | 0             |           |           |          |  |
| Lead, Dissolved                  | mg/L   | 1               | 0.061  | 0.061    | 0.061    |          | 32            | < 0.03    | < 0.03    | < 0.2    |  |
| Magnesium, Dissolved             | mg/L   | 33              | 35     | 72.1     | 49.8     | 11.6     | 0             |           |           |          |  |
| Manganese, Dissolved             | mg/L   | 33              | 0.01   | 1.55     | 0.68     | 0.46     | 0             |           |           |          |  |
| Mercury, Dissolved               | mg/L   | 2               | 0.0003 | 0.0003   | 0.0003   | 0        | 31            | < 0.0002  | < 0.0002  | < 0.001  |  |
| Molybdenum, Dissolved            | mg/L   | 0               |        |          |          |          | 33            | < 0.02    | < 0.02    | < 0.1    |  |
| NO3-NO2 Nitrogen                 | mg/L   | 13              | 0.02   | 0.17     | 0.05     | 0.04     | 20            | < 0.02    | < 0.02    | < 0.1    |  |
| pH Temperature                   | Deg C  | 33              | 19.1   | 24       | 21.8     | 1.1      | 0             |           |           |          |  |
| pH, Field                        | S.U.   | 2               | 7.2    | 7.5      | 7.4      | 0.2      | 0             |           |           |          |  |
| pH, Lab                          | S.U.   | 33              | 7.7    | 8.4      | 8.1      | 0.1      | 0             |           |           |          |  |
| Phosphorus, Dissolved            | mg/L   | 3               | 0.01   | 0.05     | 0.03     | 0.02     | 0             |           |           |          |  |
| Phosphorus, Orthophosphorus      | mg/L   | 26              | 0.01   | 0.17     | 0.04     | 0.04     | 4             | < 0.01    | < 0.01    | < 0.05   |  |
| Selenium, Dissolved              | mg/L   | 30              | 0.0001 | 0.0006   | 0.0003   | 0.0001   | 3             | < 0.0003  | < 0.0003  | < 0.0005 |  |
| Sodium, Dissolved                | mg/L   | 33              | 39.9   | 98.5     | 67.8     | 15.9     | 0             |           |           |          |  |
| Specific Conductivity, Field     | ums/cm | 2               | 880    | 1240     | 1060     | 254.5584 | 0             |           |           |          |  |
| Specific Conductivity, Lab       | ums/cm | 33              | 786    | 1550     | 1060.182 | 233.313  | 0             |           |           |          |  |
| Sulfates                         | mg/L   | 33              | 120    | 460      | 242.4848 | 94.06285 | 0             |           |           |          |  |
| Temperature, Field               | Deg C  | 2               | 9.4    | 12.7     | 11.1     | 2.3      | 0             |           |           |          |  |
| Total Dissolved Solids, Lab      | mg/L   | 33              | 510    | 1110     | 728.5455 | 193.3722 | 0             |           |           |          |  |

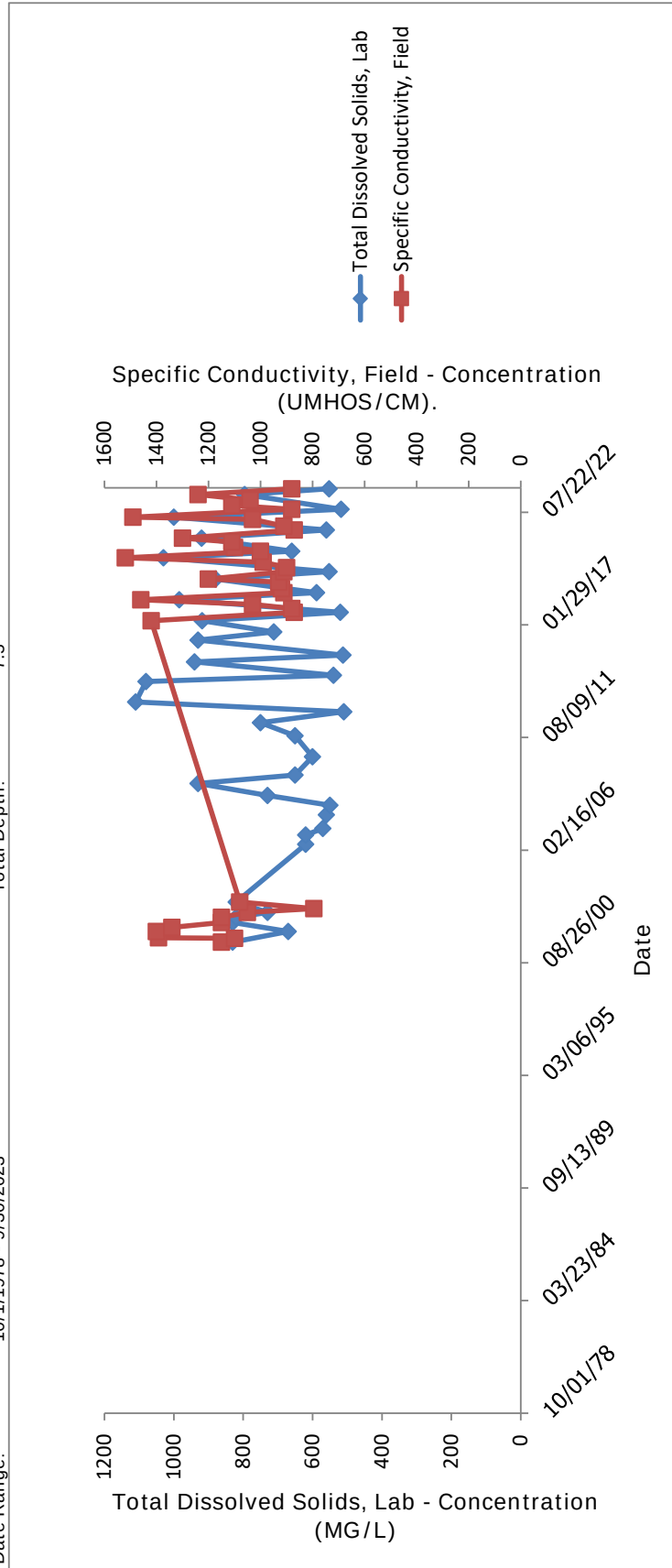
< - - denotes value is below detectable limits  
> - - denotes value is above detectable limits

# FOIDEL CREEK MINE - AVF13

Sample Point: AVF13  
 Mine: FOIDEL CREEK MINE  
 State: CO  
 Drainage/Geologic Unit:  
 Date Range: 10/1/1978 - 9/30/2023

Township: 005N  
 Northing: 45641  
 Easting: 19851  
 Elevation: 6686  
 Total Depth: 7.5

Range: 086W  
 Section: 17





|                             |       |      |
|-----------------------------|-------|------|
| Sulfates                    | mg/L  | 193  |
| Temperature, Field          | Deg C | 10.1 |
| Total Dissolved Solids, Lab | mg/L  | 528  |

8.2

10



## Ground and Surface Water Quality Statistics Report

**Sample Point** AVF14  
**Mine:** FOIDEL CREEK MINE  
**State:** CO  
**Drainage/Geologic Unit:**  
**Date Range** 10/01/1978 to 9/30/2023

**Township** 005N  
**Northing** 47676  
**Easting** 30810  
**Elevation** 6650  
**Range:** 086W  
**Section** 15

| Parm Description                             | Units  | Uncensored Data |        |         |          | Censored Data |       |           |          |
|----------------------------------------------|--------|-----------------|--------|---------|----------|---------------|-------|-----------|----------|
|                                              |        | Count           | Min    | Max     | Mean     | Std.Dev.      | Count | Min       | Max      |
| Alkalinity as CaCO <sub>3</sub> , @ pH 4.5   | mg/L   | 30              | 233    | 318     | 275.7333 | 21.80941      | 0     |           |          |
| Alkalinity, Bicarbonate as CaCO <sub>3</sub> | mg/L   | 30              | 255    | 388     | 316.0667 | 32.32479      | 0     |           |          |
| Alkalinity, Carbonate as CaCO <sub>3</sub>   | mg/L   | 4               | 3      | 11.2    | 6.6      | 3.7           | 26    | < 2       | < 20     |
| Alkalinity, Hydroxide as CaCO <sub>3</sub>   | mg/L   | 0               |        |         |          |               | 9     | < 2       | < 2      |
| Ammonia Nitrogen                             | mg/L   | 9               | 0.05   | 0.26    | 0.08     | 0.07          | 21    | < 0.05    | < 5      |
| Bicarbonate as HCO <sub>3</sub>              | mg/L   | 9               | 311    | 377     | 345.5555 | 22.11963      | 0     |           |          |
| Cadmium, Dissolved                           | mg/L   | 0               |        |         |          |               | 30    | < 0.00005 | < 0.0005 |
| Calcium, Dissolved                           | mg/L   | 30              | 71.1   | 101     | 83.8     | 7.7           | 0     |           |          |
| Carbonate as CO <sub>3</sub>                 | mg/L   | 1               | 6.7    | 6.7     | 6.7      |               | 6     | < 2       | < 2      |
| Hardness, Calcium                            | mg/L   | 0               |        |         |          |               | 2     | < 2       | < 2      |
| Hydroxide as OH                              | mg/L   | 0               |        |         |          |               | 30    | < 2       | < 20     |
| Iron, Dissolved                              | mg/L   | 30              | 0.03   | 0.52    | 0.19     | 0.13          | 0     |           |          |
| Lead, Dissolved                              | mg/L   | 0               |        |         |          |               | 30    | < 0.03    | < 0.2    |
| Magnesium, Dissolved                         | mg/L   | 30              | 29.1   | 43.8    | 34.9     | 3.6           | 0     |           |          |
| Manganese, Dissolved                         | mg/L   | 30              | 0.011  | 0.192   | 0.080    | 0.050         | 0     |           |          |
| Mercury, Dissolved                           | mg/L   | 1               | 0.0002 | 0.0002  | 0.0002   |               | 29    | < 0.0002  | < 0.001  |
| Molybdenum, Dissolved                        | mg/L   | 0               |        |         |          |               | 30    | < 0.02    | < 0.1    |
| NO <sub>3</sub> -NO <sub>2</sub> Nitrogen    | mg/L   | 10              | 0.02   | 0.87    | 0.13     | 0.26          | 20    | < 0.02    | < 0.1    |
| pH Temperature                               | Deg C  | 30              | 19     | 24      | 21.8     | 1.199138      | 0     |           |          |
| pH, Field                                    | S.U.   | 1               | 8      | 8       | 8        |               | 0     |           |          |
| pH, Lab                                      | S.U.   | 30              | 8      | 8.4     | 8.2      | 0.1           | 0     |           |          |
| Phosphorus, Dissolved                        | mg/L   | 3               | 0.01   | 0.02    | 0.02     | 0.01          | 0     |           |          |
| Phosphorus, Orthophosphorus                  | mg/L   | 14              | 0.01   | 0.095   | 0.026    | 0.023         | 13    | < 0.01    | < 0.05   |
| Selenium, Dissolved                          | mg/L   | 17              | 0.0001 | 0.00054 | 0.00019  | 0.00014       | 13    | < 0.0001  | < 0.0005 |
| Sodium, Dissolved                            | mg/L   | 30              | 44.7   | 57.9    | 51.8     | 3.9           | 0     |           |          |
| Specific Conductivity, Field                 | ums/cm | 1               | 880    | 880     | 880      |               | 0     |           |          |
| Specific Conductivity, Lab                   | ums/cm | 30              | 723    | 995     | 831.6    | 69.7224       | 0     |           |          |
| Sulfates                                     | mg/L   | 30              | 140    | 244     | 182.0667 | 28.36576      | 0     |           |          |
| Temperature, Field                           | Deg C  | 1               | 10.1   | 10.1    | 10.1     |               | 0     |           |          |
| Total Dissolved Solids, Lab                  | mg/L   | 30              | 450    | 684     | 545      | 54.89488      | 0     |           |          |

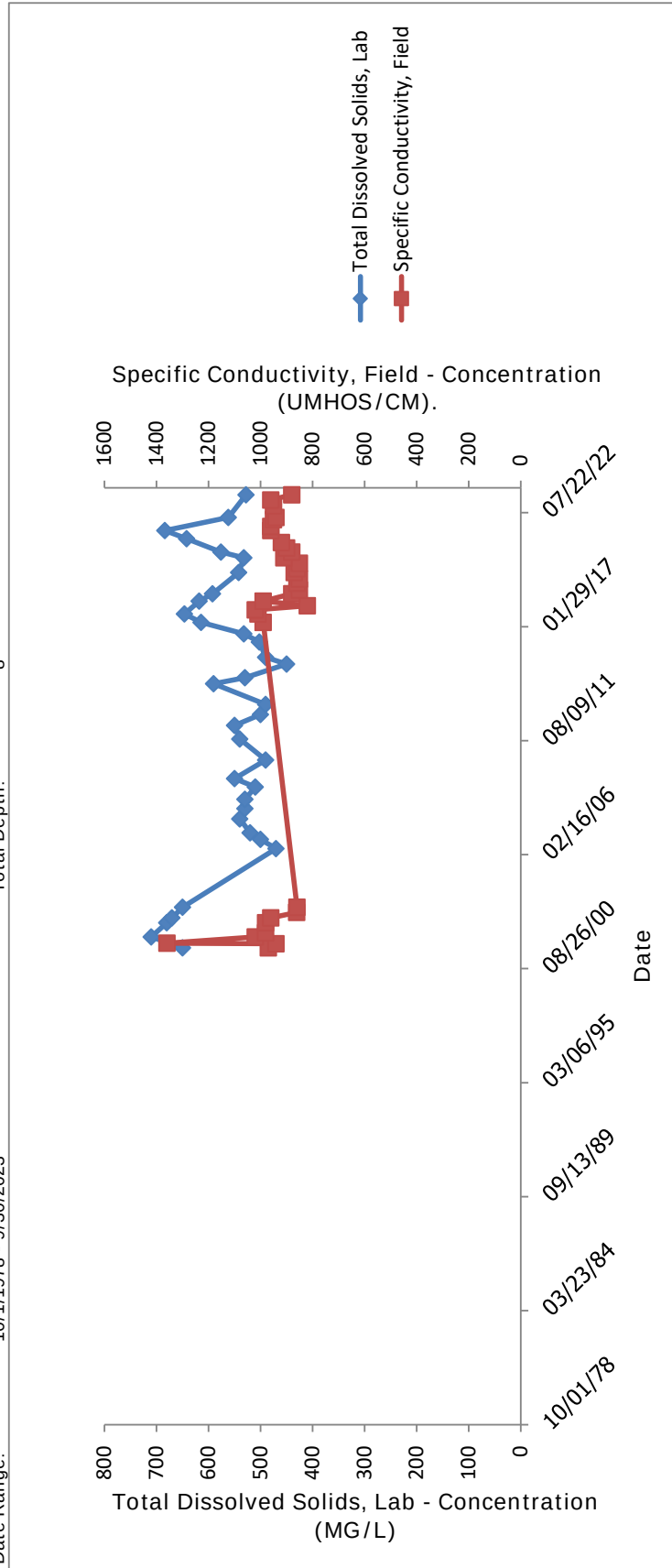
< - - denotes value is below detectable limits  
> - - denotes value is above detectable limits

FOIDEL CREEK MINE - AVF14

Sample Point: AVF14  
 Mine: FOIDEL CREEK MINE  
 State: CO  
 Drainage/Geologic Unit:  
 Date Range: 10/1/1978 - 9/30/2023

Township: 005N  
 Northing: 47676  
 Easting: 30810  
 Elevation: 6650  
 Total Depth: 8

Range: 086W  
 Section: 15





16.1  
544

9.6  
730

Deg C  
mg/L

Temperature, Field  
Total Dissolved Solids, Lab

## Ground and Surface Water Quality Statistics Report

**Sample Point** AVF15  
**Mine:** FOIDEL CREEK MINE  
**State:** CO  
**Drainage/Geologic Unit:**  
**Date Range** 10/01/1978 to 9/30/2023

**Township** 005N  
**Northings** 53081  
**Eastings** 33667  
**Elevation** 6628  
**Range:** 086W  
**Section** 11

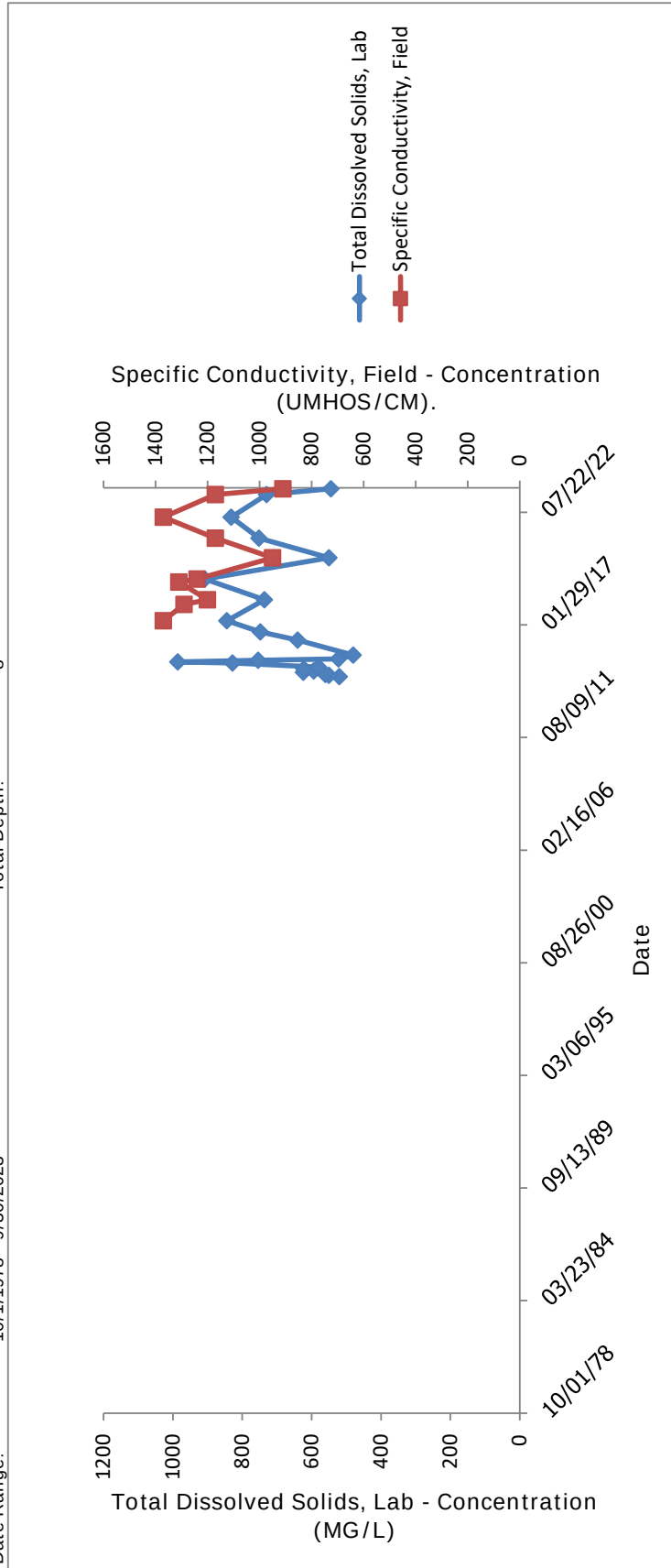
| Parm Description                 | Units  | Uncensored Data |        |        |          |          | Censored Data |           |          |  |  |
|----------------------------------|--------|-----------------|--------|--------|----------|----------|---------------|-----------|----------|--|--|
|                                  |        | Count           | Min    | Max    | Mean     | Std.Dev. | Count         | Min       | Max      |  |  |
| Alkalinity as CaCO3, @ pH 4.5    | mg/L   | 22              | 215    | 407    | 324.6364 | 65.2625  | 0             |           |          |  |  |
| Alkalinity, Bicarbonate as CaCO3 | mg/L   | 22              | 215    | 497    | 378      | 100.2587 | 0             |           |          |  |  |
| Alkalinity, Carbonate as CaCO3   | mg/L   | 1               | 3.4    | 3.4    | 3.4      |          | 21            | < 2       | < 20     |  |  |
| Alkalinity, Hydroxide as CaCO3   | mg/L   | 0               |        |        |          |          | 7             | < 2       | < 10     |  |  |
| Ammonia Nitrogen                 | mg/L   | 10              | 0.09   | 0.73   | 0.28     | 0.19     | 12            | < 0.05    | < 1      |  |  |
| Bicarbonate as HCO3              | mg/L   | 7               | 262    | 393    | 308.5714 | 44.37664 | 0             |           |          |  |  |
| Cadmium, Dissolved               | mg/L   | 1               | 0.0001 | 0.0001 | 0.0001   |          | 21            | < 0.00005 | < 0.0005 |  |  |
| Calcium, Dissolved               | mg/L   | 22              | 63.9   | 138    | 93.3     | 17.6     | 0             |           |          |  |  |
| Carbonate as CO3                 | mg/L   | 0               |        |        |          |          | 6             | < 2       | < 10     |  |  |
| Hardness, Calcium                | mg/L   | 0               |        |        |          |          | 1             | < 2       | < 2      |  |  |
| Hydroxide as OH                  | mg/L   | 0               |        |        |          |          | 22            | < 2       | < 20     |  |  |
| Iron, Dissolved                  | mg/L   | 21              | 0.04   | 17.7   | 2.82     | 4.47     | 1             | < 0.05    | < 0.05   |  |  |
| Lead, Dissolved                  | mg/L   | 1               | 0.043  | 0.043  | 0.043    |          | 21            | < 0.03    | < 0.2    |  |  |
| Magnesium, Dissolved             | mg/L   | 22              | 33.6   | 62.5   | 44.6     | 9.4      | 0             |           |          |  |  |
| Manganese, Dissolved             | mg/L   | 22              | 0.217  | 1.21   | 0.506    | 0.248    | 0             |           |          |  |  |
| Mercury, Dissolved               | mg/L   | 0               |        |        |          |          | 22            | < 0.0002  | < 0.001  |  |  |
| Molybdenum, Dissolved            | mg/L   | 0               |        |        |          |          | 22            | < 0.02    | < 0.1    |  |  |
| NO3-NO2 Nitrogen                 | mg/L   | 9               | 0.02   | 0.21   | 0.06     | 0.06     | 13            | < 0.02    | < 0.1    |  |  |
| pH Temperature                   | Deg C  | 22              | 19     | 23.6   | 21.3     | 1.5      | 0             |           |          |  |  |
| pH, Field                        | S.U.   | 2               | 7.2    | 7.4    | 7.3      | 0.1      | 0             |           |          |  |  |
| pH, Lab                          | S.U.   | 22              | 7.1    | 8.3    | 7.9      | 0.2      | 0             |           |          |  |  |
| Phosphorus, Orthophosphorus      | mg/L   | 15              | 0.01   | 0.052  | 0.025    | 0.014    | 7             | < 0.01    | < 0.05   |  |  |
| Selenium, Dissolved              | mg/L   | 17              | 0.0001 | 0.0042 | 0.0008   | 0.0013   | 5             | < 0.0001  | < 0.0003 |  |  |
| Sodium, Dissolved                | mg/L   | 22              | 32.9   | 89.2   | 55.1     | 19.6     | 0             |           |          |  |  |
| Specific Conductivity, Field     | ums/cm | 2               | 910    | 1170   | 1040     | 183.8478 | 0             |           |          |  |  |
| Specific Conductivity, Lab       | ums/cm | 22              | 765    | 1400   | 978.3182 | 171.192  | 0             |           |          |  |  |
| Sulfates                         | mg/L   | 22              | 110    | 429    | 238.4545 | 104.361  | 0             |           |          |  |  |
| Temperature, Field               | Deg C  | 2               | 9.6    | 16.1   | 12.9     | 4.6      | 0             |           |          |  |  |
| Total Dissolved Solids, Lab      | mg/L   | 22              | 480    | 986    | 677.4545 | 141.5993 | 0             |           |          |  |  |

< - denotes value is below detectable limits  
> - denotes value is above detectable limits

# FOIDEL CREEK MINE - AVF15

Sample Point: AVF15  
 Mine: FOIDEL CREEK MINE  
 State: CO  
 Drainage/Geologic Unit:  
 Date Range: 10/1/1978 - 9/30/2023

Township: 005N  
 Northing: 53081  
 Easting: 33667  
 Elevation: 6628  
 Total Depth: 8  
 Range: 086W  
 Section: 11





Foidel Creek Mine  
2023 Annual Report

Attachment 3

Section 1

Surface Water Flow During Report Period

Foidel Creek Mine

2023 Annual Report

Attachment 3

Section 2

Period of Record Flow by Site

| SURFACE WATER FLOW DATA |                    |                         |                 |                         |                                               |                        |                   |          |
|-------------------------|--------------------|-------------------------|-----------------|-------------------------|-----------------------------------------------|------------------------|-------------------|----------|
| Permit No. _____        |                    | Mine: FOIDEL CREEK MINE |                 |                         | Annual Report Period: 10/01/2022 to 9/30/2023 |                        |                   |          |
| SAMPLE STATION          | MEASURE DATE       | FLOW RATE               | FLOW RATE UNITS | MEASURING COMPANY       | FLOW MEASURE METHOD                           | FLOW MEASURE EQUIPMENT | FLOW MEASURE TYPE | COMMENTS |
| 1003                    | 5/25/2023 11:40 AM | 81.94                   | cfs             | TWENTYMILE COAL COMPANY | MEASURED                                      | METER                  | INSTANTANEOUS     |          |
| 1003                    | 6/29/2023 1:15 PM  | 9.20                    | cfs             | TWENTYMILE COAL COMPANY | MEASURED                                      | METER                  | INSTANTANEOUS     |          |
| 1003                    | 7/27/2023 10:25 AM | 2.22                    | cfs             | TWENTYMILE COAL COMPANY | MEASURED                                      | METER                  | INSTANTANEOUS     |          |
| 1003                    | 8/3/2023 1:55 PM   | 7.21                    | cfs             | TWENTYMILE COAL COMPANY | MEASURED                                      | METER                  | INSTANTANEOUS     |          |
| 1003                    | 8/9/2023 12:05 PM  | 2.19                    | cfs             | TWENTYMILE COAL COMPANY | MEASURED                                      | METER                  | INSTANTANEOUS     |          |
| 1003                    | 8/17/2023 11:25 AM | 2.58                    | cfs             | TWENTYMILE COAL COMPANY | MEASURED                                      | METER                  | INSTANTANEOUS     |          |
| 1003                    | 8/23/2023 11:40 AM | 1.06                    | cfs             | TWENTYMILE COAL COMPANY | MEASURED                                      | METER                  | INSTANTANEOUS     |          |
| 1003                    | 8/30/2023 12:35 PM | 3.21                    | cfs             | TWENTYMILE COAL COMPANY | MEASURED                                      | METER                  | INSTANTANEOUS     |          |
| 1003                    | 9/7/2023 9:20 AM   | 3.59                    | cfs             | TWENTYMILE COAL COMPANY | MEASURED                                      | METER                  | INSTANTANEOUS     |          |
| 1003                    | 9/12/2023 12:30 PM | 2.75                    | cfs             | TWENTYMILE COAL COMPANY | MEASURED                                      | METER                  | INSTANTANEOUS     |          |
| 1005                    | 6/29/2023 1:40 PM  | 48.58                   | cfs             | TWENTYMILE COAL COMPANY | MEASURED                                      | METER                  | INSTANTANEOUS     |          |
| 1005                    | 7/27/2023 11:00 AM | 21.19                   | cfs             | TWENTYMILE COAL COMPANY | MEASURED                                      | METER                  | INSTANTANEOUS     |          |
| 1005                    | 8/17/2023 11:50 AM | 24.86                   | cfs             | TWENTYMILE COAL COMPANY | MEASURED                                      | METER                  | INSTANTANEOUS     |          |
| 1005                    | 9/7/2023 9:45 AM   | 24.01                   | cfs             | TWENTYMILE COAL COMPANY | MEASURED                                      | METER                  | INSTANTANEOUS     |          |
| 14                      | 4/17/2023 9:45 AM  | 5.45                    | cfs             | TWENTYMILE COAL COMPANY | MEASURED                                      | METER                  | INSTANTANEOUS     |          |
| 14                      | 4/26/2023 10:10 AM | 13.67                   | cfs             | TWENTYMILE COAL COMPANY | MEASURED                                      | METER                  | INSTANTANEOUS     |          |
| 14                      | 5/25/2023 9:50 AM  | 1.00                    | cfs             | TWENTYMILE COAL COMPANY | MEASURED                                      | METER                  | INSTANTANEOUS     |          |
| 14                      | 6/28/2023 11:40 AM | 0.00                    | cfs             | TWENTYMILE COAL COMPANY | MEASURED                                      | METER                  | INSTANTANEOUS     |          |
| 14                      | 7/27/2023 8:20 AM  | 0.00                    | cfs             | TWENTYMILE COAL COMPANY | MEASURED                                      | METER                  | INSTANTANEOUS     |          |
| 14                      | 8/3/2023 10:30 AM  | 0.00                    | cfs             | TWENTYMILE COAL COMPANY | MEASURED                                      | METER                  | INSTANTANEOUS     |          |
| 14                      | 8/9/2023 8:50 AM   | 0.00                    | cfs             | TWENTYMILE COAL COMPANY | MEASURED                                      | METER                  | INSTANTANEOUS     |          |
| 14                      | 8/16/2023 9:55 AM  | 0.00                    | cfs             | TWENTYMILE COAL COMPANY | MEASURED                                      | METER                  | INSTANTANEOUS     |          |
| 14                      | 8/23/2023 9:20 AM  | 0.00                    | cfs             | TWENTYMILE COAL COMPANY | MEASURED                                      | METER                  | INSTANTANEOUS     |          |
| 16A                     | 4/17/2023 10:50 AM | 44.20                   | cfs             | TWENTYMILE COAL COMPANY | MEASURED                                      | METER                  | INSTANTANEOUS     |          |
| 16A                     | 4/26/2023 10:35 AM | 53.37                   | cfs             | TWENTYMILE COAL COMPANY | MEASURED                                      | METER                  | INSTANTANEOUS     |          |
| 16A                     | 5/25/2023 10:25 AM | 95.87                   | cfs             | TWENTYMILE COAL COMPANY | MEASURED                                      | METER                  | INSTANTANEOUS     |          |
| 16A                     | 6/28/2023 12:15 PM | 12.21                   | cfs             | TWENTYMILE COAL COMPANY | MEASURED                                      | METER                  | INSTANTANEOUS     |          |
| 16A                     | 7/27/2023 8:40 AM  | 3.11                    | cfs             | TWENTYMILE COAL COMPANY | MEASURED                                      | METER                  | INSTANTANEOUS     |          |
| 16A                     | 8/3/2023 12:00 PM  | 5.37                    | cfs             | TWENTYMILE COAL COMPANY | MEASURED                                      | METER                  | INSTANTANEOUS     |          |
| 16A                     | 8/9/2023 10:45 AM  | 3.28                    | cfs             | TWENTYMILE COAL COMPANY | MEASURED                                      | METER                  | INSTANTANEOUS     |          |
| 16A                     | 8/16/2023 10:45 AM | 3.10                    | cfs             | TWENTYMILE COAL COMPANY | MEASURED                                      | METER                  | INSTANTANEOUS     |          |

|     |                    |        |     |                         |          |       |               |  |
|-----|--------------------|--------|-----|-------------------------|----------|-------|---------------|--|
| 16A | 8/23/2023 10:30 AM | 3.74   | cfs | TWENTYMILE COAL COMPANY | MEASURED | METER | INSTANTANEOUS |  |
| 16A | 8/30/2023 11:20 AM | 3.02   | cfs | TWENTYMILE COAL COMPANY | MEASURED | METER | INSTANTANEOUS |  |
| 16A | 9/6/2023 11:45 AM  | 3.69   | cfs | TWENTYMILE COAL COMPANY | MEASURED | METER | INSTANTANEOUS |  |
| 16A | 9/12/2023 11:25 AM | 3.49   | cfs | TWENTYMILE COAL COMPANY | MEASURED | METER | INSTANTANEOUS |  |
| 27A | 5/25/2023 11:30 AM | 99.02  | cfs | TWENTYMILE COAL COMPANY | MEASURED | METER | INSTANTANEOUS |  |
| 27A | 6/29/2023 1:05 PM  | 7.53   | cfs | TWENTYMILE COAL COMPANY | MEASURED | METER | INSTANTANEOUS |  |
| 27A | 7/27/2023 10:10 AM | 1.91   | cfs | TWENTYMILE COAL COMPANY | MEASURED | METER | INSTANTANEOUS |  |
| 27A | 8/3/2023 1:40 PM   | 6.37   | cfs | TWENTYMILE COAL COMPANY | MEASURED | METER | INSTANTANEOUS |  |
| 27A | 8/9/2023 11:50 AM  | 7.49   | cfs | TWENTYMILE COAL COMPANY | MEASURED | METER | INSTANTANEOUS |  |
| 27A | 8/17/2023 11:10 AM | 2.50   | cfs | TWENTYMILE COAL COMPANY | MEASURED | METER | INSTANTANEOUS |  |
| 27A | 8/23/2023 11:05 AM | 0.95   | cfs | TWENTYMILE COAL COMPANY | MEASURED | METER | INSTANTANEOUS |  |
| 27A | 8/30/2023 12:20 PM | 3.98   | cfs | TWENTYMILE COAL COMPANY | MEASURED | METER | INSTANTANEOUS |  |
| 27A | 9/6/2023 1:05 PM   | 3.92   | cfs | TWENTYMILE COAL COMPANY | MEASURED | METER | INSTANTANEOUS |  |
| 27A | 9/12/2023 12:15 PM | 2.21   | cfs | TWENTYMILE COAL COMPANY | MEASURED | METER | INSTANTANEOUS |  |
| 29  | 4/17/2023 12:40 PM | 64.80  | cfs | TWENTYMILE COAL COMPANY | MEASURED | METER | INSTANTANEOUS |  |
| 29  | 4/26/2023 11:35 AM | 73.55  | cfs | TWENTYMILE COAL COMPANY | MEASURED | METER | INSTANTANEOUS |  |
| 29  | 5/25/2023 11:10 AM | 28.35  | cfs | TWENTYMILE COAL COMPANY | MEASURED | METER | INSTANTANEOUS |  |
| 29  | 6/29/2023 11:10 AM | 7.33   | cfs | TWENTYMILE COAL COMPANY | MEASURED | METER | INSTANTANEOUS |  |
| 29  | 7/27/2023 9:40 AM  | 4.10   | cfs | TWENTYMILE COAL COMPANY | MEASURED | METER | INSTANTANEOUS |  |
| 29  | 8/3/2023 12:45 PM  | 5.35   | cfs | TWENTYMILE COAL COMPANY | MEASURED | METER | INSTANTANEOUS |  |
| 29  | 8/9/2023 11:35 AM  | 5.30   | cfs | TWENTYMILE COAL COMPANY | MEASURED | METER | INSTANTANEOUS |  |
| 29  | 8/16/2023 12:30 PM | 4.12   | cfs | TWENTYMILE COAL COMPANY | MEASURED | METER | INSTANTANEOUS |  |
| 29  | 8/23/2023 11:15 AM | 5.07   | cfs | TWENTYMILE COAL COMPANY | MEASURED | METER | INSTANTANEOUS |  |
| 29  | 8/30/2023 12:05 PM | 5.90   | cfs | TWENTYMILE COAL COMPANY | MEASURED | METER | INSTANTANEOUS |  |
| 29  | 9/6/2023 12:35 PM  | 6.16   | cfs | TWENTYMILE COAL COMPANY | MEASURED | METER | INSTANTANEOUS |  |
| 29  | 9/12/2023 12:00 PM | 3.18   | cfs | TWENTYMILE COAL COMPANY | MEASURED | METER | INSTANTANEOUS |  |
| 301 | 4/17/2023 1:00 PM  | 66.60  | cfs | TWENTYMILE COAL COMPANY | MEASURED | METER | INSTANTANEOUS |  |
| 301 | 6/29/2023 11:25 AM | 87.15  | cfs | TWENTYMILE COAL COMPANY | MEASURED | METER | INSTANTANEOUS |  |
| 301 | 7/27/2023 9:50 AM  | 25.46  | cfs | TWENTYMILE COAL COMPANY | MEASURED | METER | INSTANTANEOUS |  |
| 301 | 8/17/2023 12:05 PM | 22.63  | cfs | TWENTYMILE COAL COMPANY | MEASURED | METER | INSTANTANEOUS |  |
| 301 | 9/6/2023 12:45 PM  | 21.93  | cfs | TWENTYMILE COAL COMPANY | MEASURED | METER | INSTANTANEOUS |  |
| 302 | 8/17/2023 11:50 AM | 3.43   | cfs | TWENTYMILE COAL COMPANY | MEASURED | METER | INSTANTANEOUS |  |
| 305 | 6/29/2023 12:40 PM | 10.72  | cfs | TWENTYMILE COAL COMPANY | MEASURED | METER | INSTANTANEOUS |  |
| 305 | 8/17/2023 10:50 AM | 1.07   | cfs | TWENTYMILE COAL COMPANY | MEASURED | METER | INSTANTANEOUS |  |
| 69  | 4/17/2023 1:45 PM  | 205.40 | cfs | TWENTYMILE COAL COMPANY | MEASURED | METER | INSTANTANEOUS |  |

|     |                    |        |     |                         |          |       |               |  |
|-----|--------------------|--------|-----|-------------------------|----------|-------|---------------|--|
| 69  | 5/25/2023 11:55 AM | 233.45 | cfs | TWENTYMILE COAL COMPANY | MEASURED | METER | INSTANTANEOUS |  |
| 69  | 6/29/2023 1:25 PM  | 74.06  | cfs | TWENTYMILE COAL COMPANY | MEASURED | METER | INSTANTANEOUS |  |
| 69  | 7/27/2023 10:35 AM | 23.03  | cfs | TWENTYMILE COAL COMPANY | MEASURED | METER | INSTANTANEOUS |  |
| 69  | 8/17/2023 11:35 AM | 30.50  | cfs | TWENTYMILE COAL COMPANY | MEASURED | METER | INSTANTANEOUS |  |
| 69  | 9/7/2023 9:30 AM   | 26.72  | cfs | TWENTYMILE COAL COMPANY | MEASURED | METER | INSTANTANEOUS |  |
| 8   | 4/17/2023 12:00 PM | 27.80  | cfs | TWENTYMILE COAL COMPANY | MEASURED | METER | INSTANTANEOUS |  |
| 8   | 4/26/2023 11:10 AM | 25.81  | cfs | TWENTYMILE COAL COMPANY | MEASURED | METER | INSTANTANEOUS |  |
| 8   | 5/25/2023 10:50 AM | 13.58  | cfs | TWENTYMILE COAL COMPANY | MEASURED | METER | INSTANTANEOUS |  |
| 8   | 6/28/2023 10:30 AM | 5.09   | cfs | TWENTYMILE COAL COMPANY | MEASURED | METER | INSTANTANEOUS |  |
| 8   | 7/27/2023 9:15 AM  | 0.93   | cfs | TWENTYMILE COAL COMPANY | MEASURED | METER | INSTANTANEOUS |  |
| 8   | 8/3/2023 12:25 PM  | 1.20   | cfs | TWENTYMILE COAL COMPANY | MEASURED | METER | INSTANTANEOUS |  |
| 8   | 8/9/2023 11:15 AM  | 0.69   | cfs | TWENTYMILE COAL COMPANY | MEASURED | METER | INSTANTANEOUS |  |
| 8   | 8/16/2023 12:00 PM | 0.64   | cfs | TWENTYMILE COAL COMPANY | MEASURED | METER | INSTANTANEOUS |  |
| 8   | 8/23/2023 10:50 AM | 0.95   | cfs | TWENTYMILE COAL COMPANY | MEASURED | METER | INSTANTANEOUS |  |
| 8   | 8/30/2023 11:45 AM | 0.97   | cfs | TWENTYMILE COAL COMPANY | MEASURED | METER | INSTANTANEOUS |  |
| 8   | 9/6/2023 12:00 PM  | 0.94   | cfs | TWENTYMILE COAL COMPANY | MEASURED | METER | INSTANTANEOUS |  |
| 8   | 9/12/2023 11:40 AM | 0.47   | cfs | TWENTYMILE COAL COMPANY | MEASURED | METER | INSTANTANEOUS |  |
| 800 | 4/17/2023 9:55 AM  | 10.43  | cfs | TWENTYMILE COAL COMPANY | MEASURED | METER | INSTANTANEOUS |  |
| 800 | 4/26/2023 10:15 AM | 19.05  | cfs | TWENTYMILE COAL COMPANY | MEASURED | METER | INSTANTANEOUS |  |
| 800 | 5/25/2023 9:55 AM  | 17.77  | cfs | TWENTYMILE COAL COMPANY | MEASURED | METER | INSTANTANEOUS |  |
| 800 | 6/28/2023 11:45 AM | 4.05   | cfs | TWENTYMILE COAL COMPANY | MEASURED | METER | INSTANTANEOUS |  |
| 800 | 7/27/2023 8:15 AM  | 1.20   | cfs | TWENTYMILE COAL COMPANY | MEASURED | METER | INSTANTANEOUS |  |
| 800 | 8/3/2023 10:25 AM  | 1.37   | cfs | TWENTYMILE COAL COMPANY | MEASURED | METER | INSTANTANEOUS |  |
| 800 | 8/9/2023 8:55 AM   | 1.37   | cfs | TWENTYMILE COAL COMPANY | MEASURED | METER | INSTANTANEOUS |  |
| 800 | 8/16/2023 9:59 AM  | 1.82   | cfs | TWENTYMILE COAL COMPANY | MEASURED | METER | INSTANTANEOUS |  |
| 800 | 8/23/2023 9:25 AM  | 1.04   | cfs | TWENTYMILE COAL COMPANY | MEASURED | METER | INSTANTANEOUS |  |
| 800 | 8/30/2023 10:30 AM | 1.82   | cfs | TWENTYMILE COAL COMPANY | MEASURED | METER | INSTANTANEOUS |  |
| 800 | 9/6/2023 10:30 AM  | 1.37   | cfs | TWENTYMILE COAL COMPANY | MEASURED | METER | INSTANTANEOUS |  |
| 800 | 9/12/2023 10:10 AM | 1.37   | cfs | TWENTYMILE COAL COMPANY | MEASURED | METER | INSTANTANEOUS |  |
| 900 | 4/17/2023 12:20 PM | 40.50  | cfs | TWENTYMILE COAL COMPANY | MEASURED | METER | INSTANTANEOUS |  |
| 900 | 4/26/2023 11:25 AM | 47.89  | cfs | TWENTYMILE COAL COMPANY | MEASURED | METER | INSTANTANEOUS |  |
| 900 | 5/25/2023 11:00 AM | 19.97  | cfs | TWENTYMILE COAL COMPANY | MEASURED | METER | INSTANTANEOUS |  |
| 900 | 6/28/2023 11:00 AM | 5.90   | cfs | TWENTYMILE COAL COMPANY | MEASURED | METER | INSTANTANEOUS |  |
| 900 | 7/27/2023 9:30 AM  | 1.60   | cfs | TWENTYMILE COAL COMPANY | MEASURED | METER | INSTANTANEOUS |  |
| 900 | 8/3/2023 12:40 PM  | 1.04   | cfs | TWENTYMILE COAL COMPANY | MEASURED | METER | INSTANTANEOUS |  |

|      |                    |       |     |                            |          |       |               |  |
|------|--------------------|-------|-----|----------------------------|----------|-------|---------------|--|
| 900  | 8/9/2023 11:25 AM  | 1.04  | cfs | TWENTYMILE<br>COAL COMPANY | MEASURED | METER | INSTANTANEOUS |  |
| 900  | 8/16/2023 12:15 PM | 0.71  | cfs | TWENTYMILE<br>COAL COMPANY | MEASURED | METER | INSTANTANEOUS |  |
| 900  | 8/23/2023 11:10 AM | 1.14  | cfs | TWENTYMILE<br>COAL COMPANY | MEASURED | METER | INSTANTANEOUS |  |
| 900  | 8/30/2023 11:55 AM | 1.29  | cfs | TWENTYMILE<br>COAL COMPANY | MEASURED | METER | INSTANTANEOUS |  |
| 900  | 9/6/2023 12:15 PM  | 1.68  | cfs | TWENTYMILE<br>COAL COMPANY | MEASURED | METER | INSTANTANEOUS |  |
| 900  | 9/12/2023 11:55 AM | 1.19  | cfs | TWENTYMILE<br>COAL COMPANY | MEASURED | METER | INSTANTANEOUS |  |
| SW13 | 6/28/2023 1:00 PM  | 18.78 | cfs | TWENTYMILE<br>COAL COMPANY | MEASURED | METER | INSTANTANEOUS |  |
| SW13 | 8/16/2023 11:20 AM | 1.31  | cfs | TWENTYMILE<br>COAL COMPANY | MEASURED | METER | INSTANTANEOUS |  |
| SW14 | 6/28/2023 10:05 AM | 8.37  | cfs | TWENTYMILE<br>COAL COMPANY | MEASURED | METER | INSTANTANEOUS |  |
| SW14 | 8/16/2023 11:35 AM | 3.27  | cfs | TWENTYMILE<br>COAL COMPANY | MEASURED | METER | INSTANTANEOUS |  |
| SW15 | 6/29/2023 12:15 PM | 11.52 | cfs | TWENTYMILE<br>COAL COMPANY | MEASURED | METER | INSTANTANEOUS |  |
| SW15 | 8/17/2023 10:20 AM | 1.72  | cfs | TWENTYMILE<br>COAL COMPANY | MEASURED | METER | INSTANTANEOUS |  |

Foidel Creek Mine

2023 Annual Report

Attachment 3

Section 3

Water Quality for Water Year

## ATTACHMENT NO. 5 - SURFACE WATER QUALITY

Permit No. \_\_\_\_\_

Mine: FOIDEL CREEK MINE

Annual Report Period 10/01/2022 to 9/30/2023

| SAMPLE STATION | SAMPLE DATE | SAMPLING COMPANY        | SAMPLING METHOD | PARAMETER NAME                               | PARM VALUE | UNITS | LAB BOTTLE ID | ANALYSIS DATE | COMMENTS                     |
|----------------|-------------|-------------------------|-----------------|----------------------------------------------|------------|-------|---------------|---------------|------------------------------|
| 1003           | 4/17/2023   | TWENTYMILE COAL COMPANY | GRAB            | Alkalinity as CaCO <sub>3</sub> , @ pH 4.5   | 140        | mg/L  | L79931-08     | 4/29/2023     | high water no flow available |
| 1003           | 4/17/2023   | TWENTYMILE COAL COMPANY | GRAB            | Alkalinity, Bicarbonate as CaCO <sub>3</sub> | 140        | mg/L  | L79931-08     | 4/29/2023     | high water no flow available |
| 1003           | 4/17/2023   | TWENTYMILE COAL COMPANY | GRAB            | Alkalinity, Carbonate as CaCO <sub>3</sub>   | < 20       | mg/L  | L79931-08     | 4/29/2023     | high water no flow available |
| 1003           | 4/17/2023   | TWENTYMILE COAL COMPANY | GRAB            | Alkalinity, Hydroxide as CaCO <sub>3</sub>   | < 20       | mg/L  | L79931-08     | 4/29/2023     | high water no flow available |
| 1003           | 4/17/2023   | TWENTYMILE COAL COMPANY | GRAB            | Ammonia Nitrogen                             | < 0.2      | mg/L  | L79931-08     | 4/20/2023     | high water no flow available |
| 1003           | 4/17/2023   | TWENTYMILE COAL COMPANY | GRAB            | Bicarbonate as HCO <sub>3</sub>              | 171        | mg/L  | L79931-08     | 4/29/2023     | high water no flow available |
| 1003           | 4/17/2023   | TWENTYMILE COAL COMPANY | GRAB            | Cadmium, Total Recoverable                   | 0.000355   | mg/L  | L79931-08     | 4/26/2023     | high water no flow available |
| 1003           | 4/17/2023   | TWENTYMILE COAL COMPANY | GRAB            | Calcium, Dissolved                           | 54.8       | mg/L  | L79931-08     | 4/28/2023     | high water no flow available |
| 1003           | 4/17/2023   | TWENTYMILE COAL COMPANY | GRAB            | Carbonate as CO <sub>3</sub>                 | < 20       | mg/L  | L79931-08     | 4/29/2023     | high water no flow available |
| 1003           | 4/17/2023   | TWENTYMILE COAL COMPANY | GRAB            | Hydroxide as OH                              | < 20       | mg/L  | L79931-08     | 4/29/2023     | high water no flow available |
| 1003           | 4/17/2023   | TWENTYMILE COAL COMPANY | GRAB            | Indication Oil and Grease                    | N          | Y/N   |               | 4/17/2023     | high water no flow available |
| 1003           | 4/17/2023   | TWENTYMILE COAL COMPANY | GRAB            | Iron, Total Recoverable                      | 22.2       | mg/L  | L79931-08     | 4/27/2023     | high water no flow available |
| 1003           | 4/17/2023   | TWENTYMILE COAL COMPANY | GRAB            | Magnesium, Dissolved                         | 36.4       | mg/L  | L79931-08     | 4/28/2023     | high water no flow available |
| 1003           | 4/17/2023   | TWENTYMILE COAL COMPANY | GRAB            | Manganese, Total Recoverable                 | 0.433      | mg/L  | L79931-08     | 4/27/2023     | high water no flow available |
| 1003           | 4/17/2023   | TWENTYMILE COAL COMPANY | GRAB            | Mercury, Total                               | < 0.001    | mg/L  | L79931-08     | 4/25/2023     | high water no flow available |
| 1003           | 4/17/2023   | TWENTYMILE COAL COMPANY | GRAB            | Molybdenum, Total Recoverable                | < 0.1      | mg/L  | L79931-08     | 4/27/2023     | high water no flow available |
| 1003           | 4/17/2023   | TWENTYMILE COAL COMPANY | GRAB            | NO <sub>3</sub> -NO <sub>2</sub> Nitrogen    | 0.755      | mg/L  | L79931-08     | 4/28/2023     | high water no flow available |
| 1003           | 4/17/2023   | TWENTYMILE COAL COMPANY | GRAB            | pH Temperature                               | 21.8       | Deg C | L79931-08     | 4/29/2023     | high water no flow available |
| 1003           | 4/17/2023   | TWENTYMILE COAL COMPANY | GRAB            | pH, Field                                    | 8.1        | S.U.  | L79931-08     | 4/17/2023     | high water no flow available |
| 1003           | 4/17/2023   | TWENTYMILE COAL COMPANY | GRAB            | pH, Lab                                      | 8.3        | S.U.  | L79931-08     | 4/29/2023     | high water no flow available |
| 1003           | 4/17/2023   | TWENTYMILE COAL COMPANY | GRAB            | Phosphorus, Orthophosphorus                  | 0.095      | mg/L  | L79931-08     | 4/19/2023     | high water no flow available |



|      |           |                         |      |                                              |          |          |           |           |                              |
|------|-----------|-------------------------|------|----------------------------------------------|----------|----------|-----------|-----------|------------------------------|
| 1003 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Selenium, Total Recoverable                  | 0.00308  | mg/L     | L79931-08 | 4/26/2023 | high water no flow available |
| 1003 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Silver, Total Recoverable                    | < 0.0005 | mg/L     | L79931-08 | 4/26/2023 | high water no flow available |
| 1003 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Sodium, Dissolved                            | 48.4     | mg/L     | L79931-08 | 4/28/2023 | high water no flow available |
| 1003 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Sodium Adsorption Ratio                      | 1.3      | RATIO    | L79931-08 | 5/18/2023 | high water no flow available |
| 1003 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended                      | 758      | mg/L     | L79931-08 | 4/24/2023 | high water no flow available |
| 1003 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field                 | 540      | ums/cm   | L79931-08 | 4/17/2023 | high water no flow available |
| 1003 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Lab                   | 751      | ums/cm   | L79931-08 | 4/29/2023 | high water no flow available |
| 1003 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Sulfates                                     | 263      | mg/L     | L79931-08 | 5/15/2023 | high water no flow available |
| 1003 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field                           | 8        | Deg C    | L79931-08 | 4/17/2023 | high water no flow available |
| 1003 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Total Dissolved Solids, Lab                  | 540      | mg/L     | L79931-08 | 4/22/2023 | high water no flow available |
| 1003 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Zinc, Total Recoverable                      | 0.077    | mg/L     | L79931-08 | 4/27/2023 | high water no flow available |
| 1003 | 4/26/2023 | TWENTYMILE COAL COMPANY | GRAB | Indication Oil and Grease                    | N        | Y/N      |           | 4/26/2023 | high water no flow available |
| 1003 | 4/26/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                                    | 7.8      | S.U.     |           | 4/26/2023 | high water no flow available |
| 1003 | 4/26/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field                 | 420      | UMHOS/CM |           | 4/26/2023 | high water no flow available |
| 1003 | 4/26/2023 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field                           | 11.5     | Deg C    |           | 4/26/2023 | high water no flow available |
| 1003 | 5/25/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                                         | 81.94    | cfs      |           | 5/25/2023 |                              |
| 1003 | 5/25/2023 | TWENTYMILE COAL COMPANY | GRAB | Indication Oil and Grease                    | N        | Y/N      |           | 5/25/2023 |                              |
| 1003 | 5/25/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                                    | 8.2      | S.U.     |           | 5/25/2023 |                              |
| 1003 | 5/25/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field                 | 420      | UMHOS/CM |           | 5/25/2023 |                              |
| 1003 | 5/25/2023 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field                           | 18.1     | Deg C    |           | 5/25/2023 |                              |
| 1003 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Alkalinity as CaCO <sub>3</sub> , @ pH 4.5   | 282      | mg/L     | L81472-12 | 7/11/2023 |                              |
| 1003 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Alkalinity, Bicarbonate as CaCO <sub>3</sub> | 253      | mg/L     | L81472-12 | 7/11/2023 |                              |
| 1003 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Alkalinity, Carbonate as CaCO <sub>3</sub>   | 29.7     | mg/L     | L81472-12 | 7/11/2023 |                              |
| 1003 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Alkalinity, Hydroxide as CaCO <sub>3</sub>   | < 20     | mg/L     | L81472-12 | 7/11/2023 |                              |
| 1003 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Ammonia Nitrogen                             | < 0.2    | mg/L     | L81472-12 | 7/10/2023 |                              |

|      |           |                         |      |                                           |           |        |           |           |  |
|------|-----------|-------------------------|------|-------------------------------------------|-----------|--------|-----------|-----------|--|
| 1003 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Bicarbonate as HCO <sub>3</sub>           | 308       | mg/L   | L81472-12 | 7/11/2023 |  |
| 1003 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Cadmium, Total Recoverable                | < 0.00025 | mg/L   | L81472-12 | 7/10/2023 |  |
| 1003 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Calcium, Dissolved                        | 96        | mg/L   | L81472-12 | 7/13/2023 |  |
| 1003 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Carbonate as CO <sub>3</sub>              | 17.8      | mg/L   | L81472-12 | 7/11/2023 |  |
| 1003 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                                      | 9.2       | cfs    |           | 6/29/2023 |  |
| 1003 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Hydroxide as OH                           | < 20      | mg/L   | L81472-12 | 7/11/2023 |  |
| 1003 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Indication Oil and Grease                 | N         | Y/N    |           | 6/29/2023 |  |
| 1003 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Iron, Total Recoverable                   | 0.458     | mg/L   | L81472-12 | 7/8/2023  |  |
| 1003 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Magnesium, Dissolved                      | 52.9      | mg/L   | L81472-12 | 7/13/2023 |  |
| 1003 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Manganese, Total Recoverable              | 0.078     | mg/L   | L81472-12 | 7/8/2023  |  |
| 1003 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Mercury, Total                            | < 0.001   | mg/L   | L81472-12 | 7/6/2023  |  |
| 1003 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Molybdenum, Total Recoverable             | < 0.1     | mg/L   | L81472-12 | 7/8/2023  |  |
| 1003 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | NO <sub>3</sub> -NO <sub>2</sub> Nitrogen | < 0.1     | mg/L   | L81472-12 | 7/9/2023  |  |
| 1003 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | pH Temperature                            | 23.5      | Deg C  | L81472-12 | 7/20/2023 |  |
| 1003 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                                 | 8.3       | S.U.   | L81472-12 | 6/29/2023 |  |
| 1003 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                                   | 8.5       | S.U.   | L81472-12 | 7/20/2023 |  |
| 1003 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Phosphorus, Orthophosphorus               | < 0.05    | mg/L   | L81472-12 | 6/30/2023 |  |
| 1003 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Selenium, Total Recoverable               | 0.00046   | mg/L   | L81472-12 | 7/10/2023 |  |
| 1003 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Silver, Total Recoverable                 | < 0.0005  | mg/L   | L81472-12 | 7/12/2023 |  |
| 1003 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Sodium, Dissolved                         | 40.9      | mg/L   | L81472-12 | 7/13/2023 |  |
| 1003 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Sodium Adsorption Ratio                   | 0.84      | RATIO  | L81472-12 | 7/27/2023 |  |
| 1003 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended                   | 12        | mg/L   | L81472-12 | 7/13/2023 |  |
| 1003 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field              | 840       | ums/cm | L81472-12 | 6/29/2023 |  |
| 1003 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Lab                | 899       | ums/cm | L81472-12 | 7/11/2023 |  |
| 1003 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Sulfates                                  | 237       | mg/L   | L81472-12 | 7/20/2023 |  |

|      |           |                         |      |                                              |           |          |           |           |  |
|------|-----------|-------------------------|------|----------------------------------------------|-----------|----------|-----------|-----------|--|
| 1003 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field                           | 25.2      | Deg C    | L81472-12 | 6/29/2023 |  |
| 1003 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Total Dissolved Solids, Lab                  | 632       | mg/L     | L81472-12 | 7/5/2023  |  |
| 1003 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Zinc, Total Recoverable                      | < 0.05    | mg/L     | L81472-12 | 7/8/2023  |  |
| 1003 | 7/27/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                                         | 2.22      | cfs      |           | 7/27/2023 |  |
| 1003 | 7/27/2023 | TWENTYMILE COAL COMPANY | GRAB | Indication Oil and Grease                    | N         | Y/N      |           | 7/27/2023 |  |
| 1003 | 7/27/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                                    | 8.2       | S.U.     |           | 7/27/2023 |  |
| 1003 | 7/27/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field                 | 1010      | UMHOS/CM |           | 7/27/2023 |  |
| 1003 | 7/27/2023 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field                           | 22.3      | Deg C    |           | 7/27/2023 |  |
| 1003 | 8/3/2023  | TWENTYMILE COAL COMPANY | GRAB | Flow                                         | 7.21      | cfs      |           | 8/3/2023  |  |
| 1003 | 8/3/2023  | TWENTYMILE COAL COMPANY | GRAB | Indication Oil and Grease                    | N         | Y/N      |           | 8/3/2023  |  |
| 1003 | 8/3/2023  | TWENTYMILE COAL COMPANY | GRAB | pH, Field                                    | 8.4       | S.U.     |           | 8/3/2023  |  |
| 1003 | 8/3/2023  | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field                 | 950       | UMHOS/CM |           | 8/3/2023  |  |
| 1003 | 8/3/2023  | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field                           | 26.6      | Deg C    |           | 8/3/2023  |  |
| 1003 | 8/9/2023  | TWENTYMILE COAL COMPANY | GRAB | Flow                                         | 2.19      | cfs      |           | 8/9/2023  |  |
| 1003 | 8/9/2023  | TWENTYMILE COAL COMPANY | GRAB | Indication Oil and Grease                    | N         | Y/N      |           | 8/9/2023  |  |
| 1003 | 8/9/2023  | TWENTYMILE COAL COMPANY | GRAB | pH, Field                                    | 8.5       | S.U.     |           | 8/9/2023  |  |
| 1003 | 8/9/2023  | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field                 | 760       | UMHOS/CM |           | 8/9/2023  |  |
| 1003 | 8/9/2023  | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field                           | 25.1      | Deg C    |           | 8/9/2023  |  |
| 1003 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Alkalinity as CaCO <sub>3</sub> , @ pH 4.5   | 261       | mg/L     | L82518-06 | 8/24/2023 |  |
| 1003 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Alkalinity, Bicarbonate as CaCO <sub>3</sub> | 242       | mg/L     | L82518-06 | 8/24/2023 |  |
| 1003 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Alkalinity, Carbonate as CaCO <sub>3</sub>   | 19.1      | mg/L     | L82518-06 | 8/24/2023 |  |
| 1003 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Alkalinity, Hydroxide as CaCO <sub>3</sub>   | < 20      | mg/L     | L82518-06 | 8/24/2023 |  |
| 1003 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Ammonia Nitrogen                             | < 0.2     | mg/L     | L82518-06 | 8/24/2023 |  |
| 1003 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Bicarbonate as HCO <sub>3</sub>              | 295       | mg/L     | L82518-06 | 8/24/2023 |  |
| 1003 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Cadmium, Total Recoverable                   | < 0.00025 | mg/L     | L82518-06 | 8/24/2023 |  |

|      |           |                         |      |                                           |          |        |           |           |  |
|------|-----------|-------------------------|------|-------------------------------------------|----------|--------|-----------|-----------|--|
| 1003 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Calcium, Dissolved                        | 77.7     | mg/L   | L82518-06 | 8/25/2023 |  |
| 1003 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Carbonate as CO <sub>3</sub>              | 11.4     | mg/L   | L82518-06 | 8/24/2023 |  |
| 1003 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                                      | 2.58     | cfs    |           | 8/17/2023 |  |
| 1003 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Hydroxide as OH                           | < 20     | mg/L   | L82518-06 | 8/24/2023 |  |
| 1003 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Indication Oil and Grease                 | N        | Y/N    |           | 8/17/2023 |  |
| 1003 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Iron, Total Recoverable                   | 0.665    | mg/L   | L82518-06 | 8/30/2023 |  |
| 1003 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Magnesium, Dissolved                      | 64.1     | mg/L   | L82518-06 | 8/25/2023 |  |
| 1003 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Manganese, Total Recoverable              | 0.057    | mg/L   | L82518-06 | 8/30/2023 |  |
| 1003 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Mercury, Total                            | < 0.001  | mg/L   | L82518-06 | 8/22/2023 |  |
| 1003 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Molybdenum, Total Recoverable             | < 0.1    | mg/L   | L82518-06 | 8/30/2023 |  |
| 1003 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | NO <sub>3</sub> -NO <sub>2</sub> Nitrogen | < 0.1    | mg/L   | L82518-06 | 8/25/2023 |  |
| 1003 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | pH Temperature                            | 23       | Deg C  | L82518-06 | 8/24/2023 |  |
| 1003 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                                   | 8.4      | S.U.   | L82518-06 | 8/24/2023 |  |
| 1003 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Phosphorus, Orthophosphorus               | < 0.05   | mg/L   | L82518-06 | 8/18/2023 |  |
| 1003 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Selenium, Total Recoverable               | 0.00043  | mg/L   | L82518-06 | 8/24/2023 |  |
| 1003 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Silver, Total Recoverable                 | < 0.0005 | mg/L   | L82518-06 | 8/24/2023 |  |
| 1003 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Sodium, Dissolved                         | 47.6     | mg/L   | L82518-06 | 8/25/2023 |  |
| 1003 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Sodium Adsorption Ratio                   | 0.98     | RATIO  | L82518-06 | 9/19/2023 |  |
| 1003 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended                   | 18       | mg/L   | L82518-06 | 8/23/2023 |  |
| 1003 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Lab                | 990      | ums/cm | L82518-06 | 8/24/2023 |  |
| 1003 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Sulfates                                  | 286      | mg/L   | L82518-06 | 8/24/2023 |  |
| 1003 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Total Dissolved Solids, Lab               | 664      | mg/L   | L82518-06 | 8/23/2023 |  |
| 1003 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Zinc, Total Recoverable                   | < 0.05   | mg/L   | L82518-06 | 8/30/2023 |  |
| 1003 | 8/23/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                                      | 1.06     | cfs    |           | 8/23/2023 |  |
| 1003 | 8/23/2023 | TWENTYMILE COAL COMPANY | GRAB | Indication Oil and Grease                 | N        | Y/N    |           | 8/23/2023 |  |

|      |           |                         |      |                                              |           |          |           |           |  |
|------|-----------|-------------------------|------|----------------------------------------------|-----------|----------|-----------|-----------|--|
| 1003 | 8/23/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                                    | 8.1       | S.U.     |           | 8/23/2023 |  |
| 1003 | 8/23/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field                 | 1060      | UMHOS/CM |           | 8/23/2023 |  |
| 1003 | 8/23/2023 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field                           | 22.9      | Deg C    |           | 8/23/2023 |  |
| 1003 | 8/30/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                                         | 3.21      | cfs      |           | 8/30/2023 |  |
| 1003 | 8/30/2023 | TWENTYMILE COAL COMPANY | GRAB | Indication Oil and Grease                    | N         | Y/N      |           | 8/30/2023 |  |
| 1003 | 8/30/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                                    | 8.3       | S.U.     |           | 8/30/2023 |  |
| 1003 | 8/30/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field                 | 2310      | UMHOS/CM |           | 8/30/2023 |  |
| 1003 | 8/30/2023 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field                           | 23        | Deg C    |           | 8/30/2023 |  |
| 1003 | 9/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Alkalinity as CaCO <sub>3</sub> , @ pH 4.5   | 252       | mg/L     | L82935-07 | 9/9/2023  |  |
| 1003 | 9/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Alkalinity, Bicarbonate as CaCO <sub>3</sub> | 232       | mg/L     | L82935-07 | 9/9/2023  |  |
| 1003 | 9/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Alkalinity, Carbonate as CaCO <sub>3</sub>   | 19.4      | mg/L     | L82935-07 | 9/9/2023  |  |
| 1003 | 9/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Alkalinity, Hydroxide as CaCO <sub>3</sub>   | < 20      | mg/L     | L82935-07 | 9/9/2023  |  |
| 1003 | 9/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Ammonia Nitrogen                             | < 0.2     | mg/L     | L82935-07 | 9/15/2023 |  |
| 1003 | 9/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Bicarbonate as HCO <sub>3</sub>              | 284       | mg/L     | L82935-07 | 9/9/2023  |  |
| 1003 | 9/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Cadmium, Total Recoverable                   | < 0.00025 | mg/L     | L82935-07 | 9/13/2023 |  |
| 1003 | 9/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Calcium, Dissolved                           | 67.4      | mg/L     | L82935-07 | 9/19/2023 |  |
| 1003 | 9/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Carbonate as CO <sub>3</sub>                 | 11.7      | mg/L     | L82935-07 | 9/9/2023  |  |
| 1003 | 9/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Flow                                         | 3.59      | cfs      |           | 9/7/2023  |  |
| 1003 | 9/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Hydroxide as OH                              | < 20      | mg/L     | L82935-07 | 9/9/2023  |  |
| 1003 | 9/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Indication Oil and Grease                    | N         | Y/N      |           | 9/7/2023  |  |
| 1003 | 9/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Iron, Total Recoverable                      | 0.468     | mg/L     | L82935-07 | 9/19/2023 |  |
| 1003 | 9/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Magnesium, Dissolved                         | 53.8      | mg/L     | L82935-07 | 9/19/2023 |  |
| 1003 | 9/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Manganese, Total Recoverable                 | 0.038     | mg/L     | L82935-07 | 9/19/2023 |  |
| 1003 | 9/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Mercury, Total                               | < 0.001   | mg/L     | L82935-07 | 9/19/2023 |  |
| 1003 | 9/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Molybdenum, Total Recoverable                | < 0.1     | mg/L     | L82935-07 | 9/20/2023 |  |

|      |           |                         |      |                                  |          |          |           |           |                              |
|------|-----------|-------------------------|------|----------------------------------|----------|----------|-----------|-----------|------------------------------|
| 1003 | 9/7/2023  | TWENTYMILE COAL COMPANY | GRAB | NO3-NO2 Nitrogen                 | < 0.1    | mg/L     | L82935-07 | 9/16/2023 |                              |
| 1003 | 9/7/2023  | TWENTYMILE COAL COMPANY | GRAB | pH Temperature                   | 23       | Deg C    | L82935-07 | 9/9/2023  |                              |
| 1003 | 9/7/2023  | TWENTYMILE COAL COMPANY | GRAB | pH, Field                        | 8.3      | S.U.     | L82935-07 | 9/7/2023  |                              |
| 1003 | 9/7/2023  | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                          | 8.4      | S.U.     | L82935-07 | 9/9/2023  |                              |
| 1003 | 9/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Phosphorus, Orthophosphorus      | 0.013    | mg/L     | L82935-07 | 9/7/2023  |                              |
| 1003 | 9/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Selenium, Total Recoverable      | 0.00034  | mg/L     | L82935-07 | 9/13/2023 |                              |
| 1003 | 9/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Silver, Total Recoverable        | < 0.0005 | mg/L     | L82935-07 | 9/13/2023 |                              |
| 1003 | 9/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Sodium, Dissolved                | 45.9     | mg/L     | L82935-07 | 9/19/2023 |                              |
| 1003 | 9/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Sodium Adsorption Ratio          | 1        | RATIO    | L82935-07 | 9/27/2023 |                              |
| 1003 | 9/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended          | 13       | mg/L     | L82935-07 | 9/13/2023 |                              |
| 1003 | 9/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field     | 810      | ums/cm   | L82935-07 | 9/7/2023  |                              |
| 1003 | 9/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Lab       | 877      | ums/cm   | L82935-07 | 9/26/2023 |                              |
| 1003 | 9/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Sulfates                         | 260      | mg/L     | L82935-07 | 9/11/2023 |                              |
| 1003 | 9/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field               | 17.3     | Deg C    | L82935-07 | 9/7/2023  |                              |
| 1003 | 9/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Total Dissolved Solids, Lab      | 600      | mg/L     | L82935-07 | 9/13/2023 |                              |
| 1003 | 9/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Zinc, Total Recoverable          | < 0.05   | mg/L     | L82935-07 | 9/19/2023 |                              |
| 1003 | 9/12/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                             | 2.75     | cfs      |           | 9/12/2023 |                              |
| 1003 | 9/12/2023 | TWENTYMILE COAL COMPANY | GRAB | Indication Oil and Grease        | N        | Y/N      |           | 9/12/2023 |                              |
| 1003 | 9/12/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                        | 8.2      | S.U.     |           | 9/12/2023 |                              |
| 1003 | 9/12/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field     | 1050     | UMHOS/CM |           | 9/12/2023 |                              |
| 1003 | 9/12/2023 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field               | 22.7     | Deg C    |           | 9/12/2023 |                              |
| 1005 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Alkalinity as CaCO3, @ pH 4.5    | 144      | mg/L     | L79931-10 | 4/29/2023 | high water no flow available |
| 1005 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Alkalinity, Bicarbonate as CaCO3 | 143      | mg/L     | L79931-10 | 4/29/2023 | high water no flow available |
| 1005 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Alkalinity, Carbonate as CaCO3   | < 20     | mg/L     | L79931-10 | 4/29/2023 | high water no flow available |
| 1005 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Alkalinity, Hydroxide as CaCO3   | < 20     | mg/L     | L79931-10 | 4/29/2023 | high water no flow available |

|      |           |                         |      |                                           |          |        |           |           |                              |
|------|-----------|-------------------------|------|-------------------------------------------|----------|--------|-----------|-----------|------------------------------|
| 1005 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Ammonia Nitrogen                          | < 0.2    | mg/L   | L79931-10 | 4/20/2023 | high water no flow available |
| 1005 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Bicarbonate as HCO <sub>3</sub>           | 175      | mg/L   | L79931-10 | 4/29/2023 | high water no flow available |
| 1005 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Cadmium, Total Recoverable                | 0.000223 | mg/L   | L79931-10 | 4/26/2023 | high water no flow available |
| 1005 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Calcium, Dissolved                        | 63.7     | mg/L   | L79931-10 | 4/28/2023 | high water no flow available |
| 1005 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Carbonate as CO <sub>3</sub>              | < 20     | mg/L   | L79931-10 | 4/29/2023 | high water no flow available |
| 1005 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Hydroxide as OH                           | < 20     | mg/L   | L79931-10 | 4/29/2023 | high water no flow available |
| 1005 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Indication Oil and Grease                 | N        | Y/N    |           | 4/17/2023 | high water no flow available |
| 1005 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Iron, Total Recoverable                   | 13.5     | mg/L   | L79931-10 | 4/26/2023 | high water no flow available |
| 1005 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Magnesium, Dissolved                      | 41.1     | mg/L   | L79931-10 | 4/28/2023 | high water no flow available |
| 1005 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Manganese, Total Recoverable              | 0.313    | mg/L   | L79931-10 | 4/26/2023 | high water no flow available |
| 1005 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Mercury, Total                            | < 0.001  | mg/L   | L79931-10 | 4/25/2023 | high water no flow available |
| 1005 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Molybdenum, Total Recoverable             | < 0.1    | mg/L   | L79931-10 | 4/26/2023 | high water no flow available |
| 1005 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | NO <sub>3</sub> -NO <sub>2</sub> Nitrogen | 0.666    | mg/L   | L79931-10 | 4/28/2023 | high water no flow available |
| 1005 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | pH Temperature                            | 21.7     | Deg C  | L79931-10 | 4/29/2023 | high water no flow available |
| 1005 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                                 | 8.2      | S.U.   | L79931-10 | 4/17/2023 | high water no flow available |
| 1005 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                                   | 8.3      | S.U.   | L79931-10 | 4/29/2023 | high water no flow available |
| 1005 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Phosphorus, Orthophosphorus               | 0.083    | mg/L   | L79931-10 | 4/19/2023 | high water no flow available |
| 1005 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Selenium, Total Recoverable               | 0.0025   | mg/L   | L79931-10 | 4/26/2023 | high water no flow available |
| 1005 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Silver, Total Recoverable                 | < 0.0005 | mg/L   | L79931-10 | 4/26/2023 | high water no flow available |
| 1005 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Sodium, Dissolved                         | 56.2     | mg/L   | L79931-10 | 4/28/2023 | high water no flow available |
| 1005 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Sodium Adsorption Ratio                   | 1.4      | RATIO  | L79931-10 | 5/18/2023 | high water no flow available |
| 1005 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended                   | 424      | mg/L   | L79931-10 | 4/24/2023 | high water no flow available |
| 1005 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field              | 690      | ums/cm | L79931-10 | 4/17/2023 | high water no flow available |
| 1005 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Lab                | 872      | ums/cm | L79931-10 | 4/29/2023 | high water no flow available |
| 1005 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Sulfates                                  | 317      | mg/L   | L79931-10 | 5/15/2023 | high water no flow available |

|      |           |                         |      |                                              |           |          |           |           |                              |
|------|-----------|-------------------------|------|----------------------------------------------|-----------|----------|-----------|-----------|------------------------------|
| 1005 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field                           | 13.2      | Deg C    | L79931-10 | 4/17/2023 | high water no flow available |
| 1005 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Total Dissolved Solids, Lab                  | 636       | mg/L     | L79931-10 | 4/22/2023 | high water no flow available |
| 1005 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Zinc, Total Recoverable                      | 0.047     | mg/L     | L79931-10 | 4/26/2023 | high water no flow available |
| 1005 | 5/25/2023 | TWENTYMILE COAL COMPANY | GRAB | Indication Oil and Grease                    | N         | Y/N      |           | 5/25/2023 | high water no flow available |
| 1005 | 5/25/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                                    | 8.3       | S.U.     |           | 5/25/2023 | high water no flow available |
| 1005 | 5/25/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field                 | 440       | UMHOS/CM |           | 5/25/2023 | high water no flow available |
| 1005 | 5/25/2023 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field                           | 16        | Deg C    |           | 5/25/2023 | high water no flow available |
| 1005 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Alkalinity as CaCO <sub>3</sub> , @ pH 4.5   | 126       | mg/L     | L81472-14 | 7/11/2023 |                              |
| 1005 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Alkalinity, Bicarbonate as CaCO <sub>3</sub> | 118       | mg/L     | L81472-14 | 7/11/2023 |                              |
| 1005 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Alkalinity, Carbonate as CaCO <sub>3</sub>   | 7.8       | mg/L     | L81472-14 | 7/11/2023 |                              |
| 1005 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Alkalinity, Hydroxide as CaCO <sub>3</sub>   | < 20      | mg/L     | L81472-14 | 7/11/2023 |                              |
| 1005 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Ammonia Nitrogen                             | < 0.2     | mg/L     | L81472-14 | 7/10/2023 |                              |
| 1005 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Bicarbonate as HCO <sub>3</sub>              | 144       | mg/L     | L81472-14 | 7/11/2023 |                              |
| 1005 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Cadmium, Total Recoverable                   | < 0.00025 | mg/L     | L81472-14 | 7/10/2023 |                              |
| 1005 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Calcium, Dissolved                           | 53.2      | mg/L     | L81472-14 | 7/13/2023 |                              |
| 1005 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Carbonate as CO <sub>3</sub>                 | 4.7       | mg/L     | L81472-14 | 7/11/2023 |                              |
| 1005 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                                         | 48.58     | cfs      |           | 6/29/2023 |                              |
| 1005 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Hydroxide as OH                              | < 20      | mg/L     | L81472-14 | 7/11/2023 |                              |
| 1005 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Indication Oil and Grease                    | N         | Y/N      |           | 6/29/2023 |                              |
| 1005 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Iron, Total Recoverable                      | 0.71      | mg/L     | L81472-14 | 7/8/2023  |                              |
| 1005 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Magnesium, Dissolved                         | 31.7      | mg/L     | L81472-14 | 7/13/2023 |                              |
| 1005 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Manganese, Total Recoverable                 | 0.054     | mg/L     | L81472-14 | 7/8/2023  |                              |
| 1005 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Mercury, Total                               | < 0.001   | mg/L     | L81472-14 | 7/6/2023  |                              |
| 1005 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Molybdenum, Total Recoverable                | < 0.1     | mg/L     | L81472-14 | 7/8/2023  |                              |
| 1005 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | NO <sub>3</sub> -NO <sub>2</sub> Nitrogen    | < 0.1     | mg/L     | L81472-14 | 7/9/2023  |                              |



|      |           |                         |      |                                              |           |        |           |           |  |
|------|-----------|-------------------------|------|----------------------------------------------|-----------|--------|-----------|-----------|--|
| 1005 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | pH Temperature                               | 23.6      | Deg C  | L81472-14 | 7/20/2023 |  |
| 1005 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                                    | 8.2       | S.U.   | L81472-14 | 6/29/2023 |  |
| 1005 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                                      | 8.3       | S.U.   | L81472-14 | 7/20/2023 |  |
| 1005 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Phosphorus, Orthophosphorus                  | 0.026     | mg/L   | L81472-14 | 6/30/2023 |  |
| 1005 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Selenium, Total Recoverable                  | 0.00019   | mg/L   | L81472-14 | 7/10/2023 |  |
| 1005 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Silver, Total Recoverable                    | < 0.0005  | mg/L   | L81472-14 | 7/12/2023 |  |
| 1005 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Sodium, Dissolved                            | 20.4      | mg/L   | L81472-14 | 7/13/2023 |  |
| 1005 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Sodium Adsorption Ratio                      | 0.55      | RATIO  | L81472-14 | 7/27/2023 |  |
| 1005 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended                      | 21        | mg/L   | L81472-14 | 7/5/2023  |  |
| 1005 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field                 | 480       | ums/cm | L81472-14 | 6/29/2023 |  |
| 1005 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Lab                   | 549       | ums/cm | L81472-14 | 7/11/2023 |  |
| 1005 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Sulfates                                     | 157       | mg/L   | L81472-14 | 7/20/2023 |  |
| 1005 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field                           | 24        | Deg C  | L81472-14 | 6/29/2023 |  |
| 1005 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Total Dissolved Solids, Lab                  | 374       | mg/L   | L81472-14 | 7/5/2023  |  |
| 1005 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Zinc, Total Recoverable                      | < 0.05    | mg/L   | L81472-14 | 7/8/2023  |  |
| 1005 | 7/27/2023 | TWENTYMILE COAL COMPANY | GRAB | Alkalinity as CaCO <sub>3</sub> , @ pH 4.5   | 194       | mg/L   | L82052-03 | 8/2/2023  |  |
| 1005 | 7/27/2023 | TWENTYMILE COAL COMPANY | GRAB | Alkalinity, Bicarbonate as CaCO <sub>3</sub> | 181       | mg/L   | L82052-03 | 8/2/2023  |  |
| 1005 | 7/27/2023 | TWENTYMILE COAL COMPANY | GRAB | Alkalinity, Carbonate as CaCO <sub>3</sub>   | 12.5      | mg/L   | L82052-03 | 8/2/2023  |  |
| 1005 | 7/27/2023 | TWENTYMILE COAL COMPANY | GRAB | Alkalinity, Hydroxide as CaCO <sub>3</sub>   | < 20      | mg/L   | L82052-03 | 8/2/2023  |  |
| 1005 | 7/27/2023 | TWENTYMILE COAL COMPANY | GRAB | Ammonia Nitrogen                             | < 0.2     | mg/L   | L82052-03 | 8/1/2023  |  |
| 1005 | 7/27/2023 | TWENTYMILE COAL COMPANY | GRAB | Bicarbonate as HCO <sub>3</sub>              | 221       | mg/L   | L82052-03 | 8/2/2023  |  |
| 1005 | 7/27/2023 | TWENTYMILE COAL COMPANY | GRAB | Cadmium, Total Recoverable                   | < 0.00025 | mg/L   | L82052-03 | 8/7/2023  |  |
| 1005 | 7/27/2023 | TWENTYMILE COAL COMPANY | GRAB | Calcium, Dissolved                           | 69.2      | mg/L   | L82052-03 | 8/7/2023  |  |
| 1005 | 7/27/2023 | TWENTYMILE COAL COMPANY | GRAB | Carbonate as CO <sub>3</sub>                 | 7.5       | mg/L   | L82052-03 | 8/2/2023  |  |
| 1005 | 7/27/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                                         | 21.19     | cfs    |           | 7/27/2023 |  |

|      |           |                         |      |                                  |          |        |           |           |  |
|------|-----------|-------------------------|------|----------------------------------|----------|--------|-----------|-----------|--|
| 1005 | 7/27/2023 | TWENTYMILE COAL COMPANY | GRAB | Hydroxide as OH                  | < 20     | mg/L   | L82052-03 | 8/2/2023  |  |
| 1005 | 7/27/2023 | TWENTYMILE COAL COMPANY | GRAB | Indication Oil and Grease        | N        | Y/N    |           | 7/27/2023 |  |
| 1005 | 7/27/2023 | TWENTYMILE COAL COMPANY | GRAB | Iron, Total Recoverable          | 0.329    | mg/L   | L82052-03 | 8/3/2023  |  |
| 1005 | 7/27/2023 | TWENTYMILE COAL COMPANY | GRAB | Magnesium, Dissolved             | 43.2     | mg/L   | L82052-03 | 8/7/2023  |  |
| 1005 | 7/27/2023 | TWENTYMILE COAL COMPANY | GRAB | Manganese, Total Recoverable     | 0.047    | mg/L   | L82052-03 | 8/3/2023  |  |
| 1005 | 7/27/2023 | TWENTYMILE COAL COMPANY | GRAB | Mercury, Total                   | < 0.001  | mg/L   | L82052-03 | 7/31/2023 |  |
| 1005 | 7/27/2023 | TWENTYMILE COAL COMPANY | GRAB | Molybdenum, Total Recoverable    | < 0.1    | mg/L   | L82052-03 | 8/3/2023  |  |
| 1005 | 7/27/2023 | TWENTYMILE COAL COMPANY | GRAB | NO3-NO2 Nitrogen                 | < 0.1    | mg/L   | L82052-03 | 8/5/2023  |  |
| 1005 | 7/27/2023 | TWENTYMILE COAL COMPANY | GRAB | pH Temperature                   | 22.8     | Deg C  | L82052-03 | 8/2/2023  |  |
| 1005 | 7/27/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                        | 8.2      | S.U.   | L82052-03 | 7/27/2023 |  |
| 1005 | 7/27/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                          | 8.4      | S.U.   | L82052-03 | 8/2/2023  |  |
| 1005 | 7/27/2023 | TWENTYMILE COAL COMPANY | GRAB | Phosphorus, Orthophosphorus      | 0.028    | mg/L   | L82052-03 | 7/29/2023 |  |
| 1005 | 7/27/2023 | TWENTYMILE COAL COMPANY | GRAB | Selenium, Total Recoverable      | 0.00019  | mg/L   | L82052-03 | 8/7/2023  |  |
| 1005 | 7/27/2023 | TWENTYMILE COAL COMPANY | GRAB | Silver, Total Recoverable        | < 0.0005 | mg/L   | L82052-03 | 8/9/2023  |  |
| 1005 | 7/27/2023 | TWENTYMILE COAL COMPANY | GRAB | Sodium, Dissolved                | 30.2     | mg/L   | L82052-03 | 8/7/2023  |  |
| 1005 | 7/27/2023 | TWENTYMILE COAL COMPANY | GRAB | Sodium Adsorption Ratio          | 0.71     | RATIO  | L82052-03 | 8/29/2023 |  |
| 1005 | 7/27/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended          | 5        | mg/L   | L82052-03 | 8/1/2023  |  |
| 1005 | 7/27/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field     | 700      | ums/cm | L82052-03 | 7/27/2023 |  |
| 1005 | 7/27/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Lab       | 785      | ums/cm | L82052-03 | 8/4/2023  |  |
| 1005 | 7/27/2023 | TWENTYMILE COAL COMPANY | GRAB | Sulfates                         | < 50     | mg/L   | L82052-03 | 8/24/2023 |  |
| 1005 | 7/27/2023 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field               | 23.2     | Deg C  | L82052-03 | 7/27/2023 |  |
| 1005 | 7/27/2023 | TWENTYMILE COAL COMPANY | GRAB | Total Dissolved Solids, Lab      | 552      | mg/L   | L82052-03 | 8/1/2023  |  |
| 1005 | 7/27/2023 | TWENTYMILE COAL COMPANY | GRAB | Zinc, Total Recoverable          | < 0.05   | mg/L   | L82052-03 | 8/3/2023  |  |
| 1005 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Alkalinity as CaCO3, @ pH 4.5    | 166      | mg/L   | L82518-08 | 8/24/2023 |  |
| 1005 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Alkalinity, Bicarbonate as CaCO3 | 165      | mg/L   | L82518-08 | 8/24/2023 |  |

|      |           |                         |      |                                            |           |        |           |           |  |
|------|-----------|-------------------------|------|--------------------------------------------|-----------|--------|-----------|-----------|--|
| 1005 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Alkalinity, Carbonate as CaCO <sub>3</sub> | < 20      | mg/L   | L82518-08 | 8/24/2023 |  |
| 1005 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Alkalinity, Hydroxide as CaCO <sub>3</sub> | < 20      | mg/L   | L82518-08 | 8/24/2023 |  |
| 1005 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Ammonia Nitrogen                           | < 0.2     | mg/L   | L82518-08 | 8/24/2023 |  |
| 1005 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Bicarbonate as HCO <sub>3</sub>            | 201       | mg/L   | L82518-08 | 8/24/2023 |  |
| 1005 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Cadmium, Total Recoverable                 | < 0.00025 | mg/L   | L82518-08 | 8/24/2023 |  |
| 1005 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Calcium, Dissolved                         | 59.2      | mg/L   | L82518-08 | 8/25/2023 |  |
| 1005 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Carbonate as CO <sub>3</sub>               | < 20      | mg/L   | L82518-08 | 8/24/2023 |  |
| 1005 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                                       | 24.86     | cfs    |           | 8/17/2023 |  |
| 1005 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Hydroxide as OH                            | < 20      | mg/L   | L82518-08 | 8/24/2023 |  |
| 1005 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Indication Oil and Grease                  | N         | Y/N    |           | 8/17/2023 |  |
| 1005 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Iron, Total Recoverable                    | 0.472     | mg/L   | L82518-08 | 8/30/2023 |  |
| 1005 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Magnesium, Dissolved                       | 34.8      | mg/L   | L82518-08 | 8/25/2023 |  |
| 1005 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Manganese, Total Recoverable               | 0.04      | mg/L   | L82518-08 | 8/30/2023 |  |
| 1005 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Mercury, Total                             | < 0.001   | mg/L   | L82518-08 | 8/22/2023 |  |
| 1005 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Molybdenum, Total Recoverable              | < 0.1     | mg/L   | L82518-08 | 8/30/2023 |  |
| 1005 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | NO <sub>3</sub> -NO <sub>2</sub> Nitrogen  | < 0.1     | mg/L   | L82518-08 | 8/25/2023 |  |
| 1005 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | pH Temperature                             | 23.1      | Deg C  | L82518-08 | 8/24/2023 |  |
| 1005 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                                    | 8.3       | S.U.   | L82518-08 | 8/24/2023 |  |
| 1005 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Phosphorus, Orthophosphorus                | 0.021     | mg/L   | L82518-08 | 8/18/2023 |  |
| 1005 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Selenium, Total Recoverable                | 0.00017   | mg/L   | L82518-08 | 8/24/2023 |  |
| 1005 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Silver, Total Recoverable                  | < 0.0005  | mg/L   | L82518-08 | 8/24/2023 |  |
| 1005 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Sodium, Dissolved                          | 16.4      | mg/L   | L82518-08 | 8/25/2023 |  |
| 1005 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Sodium Adsorption Ratio                    | 0.42      | RATIO  | L82518-08 | 9/19/2023 |  |
| 1005 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended                    | 10        | mg/L   | L82518-08 | 8/23/2023 |  |
| 1005 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Lab                 | 604       | ums/cm | L82518-08 | 8/24/2023 |  |

|      |           |                         |      |                                              |           |       |           |           |  |
|------|-----------|-------------------------|------|----------------------------------------------|-----------|-------|-----------|-----------|--|
| 1005 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Sulfates                                     | 143       | mg/L  | L82518-08 | 8/24/2023 |  |
| 1005 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Total Dissolved Solids, Lab                  | 406       | mg/L  | L82518-08 | 8/23/2023 |  |
| 1005 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Zinc, Total Recoverable                      | < 0.05    | mg/L  | L82518-08 | 8/30/2023 |  |
| 1005 | 9/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Alkalinity as CaCO <sub>3</sub> , @ pH 4.5   | 164       | mg/L  | L82935-09 | 9/9/2023  |  |
| 1005 | 9/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Alkalinity, Bicarbonate as CaCO <sub>3</sub> | 164       | mg/L  | L82935-09 | 9/9/2023  |  |
| 1005 | 9/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Alkalinity, Carbonate as CaCO <sub>3</sub>   | < 20      | mg/L  | L82935-09 | 9/9/2023  |  |
| 1005 | 9/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Alkalinity, Hydroxide as CaCO <sub>3</sub>   | < 20      | mg/L  | L82935-09 | 9/9/2023  |  |
| 1005 | 9/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Ammonia Nitrogen                             | < 0.2     | mg/L  | L82935-09 | 9/15/2023 |  |
| 1005 | 9/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Bicarbonate as HCO <sub>3</sub>              | 201       | mg/L  | L82935-09 | 9/9/2023  |  |
| 1005 | 9/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Cadmium, Total Recoverable                   | < 0.00025 | mg/L  | L82935-09 | 9/13/2023 |  |
| 1005 | 9/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Calcium, Dissolved                           | 56.1      | mg/L  | L82935-09 | 9/20/2023 |  |
| 1005 | 9/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Carbonate as CO <sub>3</sub>                 | < 20      | mg/L  | L82935-09 | 9/9/2023  |  |
| 1005 | 9/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Flow                                         | 24.01     | cfs   |           | 9/7/2023  |  |
| 1005 | 9/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Hydroxide as OH                              | < 20      | mg/L  | L82935-09 | 9/9/2023  |  |
| 1005 | 9/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Indication Oil and Grease                    | N         | Y/N   |           | 9/7/2023  |  |
| 1005 | 9/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Iron, Total Recoverable                      | 0.519     | mg/L  | L82935-09 | 9/19/2023 |  |
| 1005 | 9/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Magnesium, Dissolved                         | 36        | mg/L  | L82935-09 | 9/20/2023 |  |
| 1005 | 9/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Manganese, Total Recoverable                 | 0.035     | mg/L  | L82935-09 | 9/19/2023 |  |
| 1005 | 9/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Mercury, Total                               | < 0.001   | mg/L  | L82935-09 | 9/19/2023 |  |
| 1005 | 9/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Molybdenum, Total Recoverable                | < 0.1     | mg/L  | L82935-09 | 9/20/2023 |  |
| 1005 | 9/7/2023  | TWENTYMILE COAL COMPANY | GRAB | NO <sub>3</sub> -NO <sub>2</sub> Nitrogen    | < 0.1     | mg/L  | L82935-09 | 9/16/2023 |  |
| 1005 | 9/7/2023  | TWENTYMILE COAL COMPANY | GRAB | pH Temperature                               | 22.9      | Deg C | L82935-09 | 9/9/2023  |  |
| 1005 | 9/7/2023  | TWENTYMILE COAL COMPANY | GRAB | pH, Field                                    | 8.2       | S.U.  | L82935-09 | 9/7/2023  |  |
| 1005 | 9/7/2023  | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                                      | 8.2       | S.U.  | L82935-09 | 9/9/2023  |  |
| 1005 | 9/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Phosphorus, Orthophosphorus                  | 0.028     | mg/L  | L82935-09 | 9/7/2023  |  |

|      |           |                         |      |                                              |          |        |           |           |  |
|------|-----------|-------------------------|------|----------------------------------------------|----------|--------|-----------|-----------|--|
| 1005 | 9/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Selenium, Total Recoverable                  | 0.00014  | mg/L   | L82935-09 | 9/13/2023 |  |
| 1005 | 9/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Silver, Total Recoverable                    | < 0.0005 | mg/L   | L82935-09 | 9/13/2023 |  |
| 1005 | 9/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Sodium, Dissolved                            | 18.1     | mg/L   | L82935-09 | 9/20/2023 |  |
| 1005 | 9/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Sodium Adsorption Ratio                      | 0.47     | RATIO  | L82935-09 | 9/27/2023 |  |
| 1005 | 9/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended                      | 12       | mg/L   | L82935-09 | 9/13/2023 |  |
| 1005 | 9/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field                 | 580      | ums/cm | L82935-09 | 9/7/2023  |  |
| 1005 | 9/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Lab                   | 621      | ums/cm | L82935-09 | 9/26/2023 |  |
| 1005 | 9/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Sulfates                                     | 191      | mg/L   | L82935-09 | 9/11/2023 |  |
| 1005 | 9/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field                           | 16.2     | Deg C  | L82935-09 | 9/7/2023  |  |
| 1005 | 9/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Total Dissolved Solids, Lab                  | 414      | mg/L   | L82935-09 | 9/13/2023 |  |
| 1005 | 9/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Zinc, Total Recoverable                      | < 0.05   | mg/L   | L82935-09 | 9/19/2023 |  |
| 14   | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Alkalinity as CaCO <sub>3</sub> , @ pH 4.5   | 82.6     | mg/L   | L79931-01 | 4/28/2023 |  |
| 14   | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Alkalinity, Bicarbonate as CaCO <sub>3</sub> | 82.6     | mg/L   | L79931-01 | 4/28/2023 |  |
| 14   | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Alkalinity, Carbonate as CaCO <sub>3</sub>   | < 20     | mg/L   | L79931-01 | 4/28/2023 |  |
| 14   | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Alkalinity, Hydroxide as CaCO <sub>3</sub>   | < 20     | mg/L   | L79931-01 | 4/28/2023 |  |
| 14   | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Ammonia Nitrogen                             | < 0.2    | mg/L   | L79931-01 | 4/25/2023 |  |
| 14   | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Bicarbonate as HCO <sub>3</sub>              | 101      | mg/L   | L79931-01 | 4/28/2023 |  |
| 14   | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Cadmium, Total Recoverable                   | 0.000057 | mg/L   | L79931-01 | 4/26/2023 |  |
| 14   | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Calcium, Dissolved                           | 32.4     | mg/L   | L79931-01 | 4/28/2023 |  |
| 14   | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Carbonate as CO <sub>3</sub>                 | < 20     | mg/L   | L79931-01 | 4/28/2023 |  |
| 14   | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                                         | 5.45     | cfs    |           | 4/17/2023 |  |
| 14   | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Hydroxide as OH                              | < 20     | mg/L   | L79931-01 | 4/28/2023 |  |
| 14   | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Indication Oil and Grease                    | N        | Y/N    |           | 4/17/2023 |  |
| 14   | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Iron, Total Recoverable                      | 1.45     | mg/L   | L79931-01 | 4/27/2023 |  |
| 14   | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Magnesium, Dissolved                         | 17.2     | mg/L   | L79931-01 | 4/28/2023 |  |

|    |           |                         |      |                               |          |          |           |           |  |
|----|-----------|-------------------------|------|-------------------------------|----------|----------|-----------|-----------|--|
| 14 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Manganese, Total Recoverable  | < 0.05   | mg/L     | L79931-01 | 4/27/2023 |  |
| 14 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Mercury, Total                | < 0.001  | mg/L     | L79931-01 | 4/25/2023 |  |
| 14 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Molybdenum, Total Recoverable | < 0.1    | mg/L     | L79931-01 | 4/27/2023 |  |
| 14 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | NO3-NO2 Nitrogen              | 0.143    | mg/L     | L79931-01 | 4/28/2023 |  |
| 14 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | pH Temperature                | 22       | Deg C    | L79931-01 | 4/28/2023 |  |
| 14 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                     | 7.3      | S.U.     | L79931-01 | 4/17/2023 |  |
| 14 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                       | 7.9      | S.U.     | L79931-01 | 4/28/2023 |  |
| 14 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Phosphorus, Orthophosphorus   | 0.238    | mg/L     | L79931-01 | 4/19/2023 |  |
| 14 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Selenium, Total Recoverable   | 0.00231  | mg/L     | L79931-01 | 4/26/2023 |  |
| 14 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Silver, Total Recoverable     | < 0.0005 | mg/L     | L79931-01 | 4/26/2023 |  |
| 14 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Sodium, Dissolved             | 14.9     | mg/L     | L79931-01 | 4/28/2023 |  |
| 14 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Sodium Adsorption Ratio       | 0.53     | RATIO    | L79931-01 | 5/18/2023 |  |
| 14 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended       | 15       | mg/L     | L79931-01 | 4/24/2023 |  |
| 14 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field  | 440      | ums/cm   | L79931-01 | 4/17/2023 |  |
| 14 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Lab    | 379      | ums/cm   | L79931-01 | 4/28/2023 |  |
| 14 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Sulfates                      | 117      | mg/L     | L79931-01 | 5/15/2023 |  |
| 14 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field            | 8.1      | Deg C    | L79931-01 | 4/17/2023 |  |
| 14 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Total Dissolved Solids, Lab   | 300      | mg/L     | L79931-01 | 4/22/2023 |  |
| 14 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Zinc, Total Recoverable       | < 0.05   | mg/L     | L79931-01 | 4/27/2023 |  |
| 14 | 4/26/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                          | 13.67    | cfs      |           | 4/26/2023 |  |
| 14 | 4/26/2023 | TWENTYMILE COAL COMPANY | GRAB | Indication Oil and Grease     | N        | Y/N      |           | 4/26/2023 |  |
| 14 | 4/26/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                     | 6.7      | S.U.     |           | 4/26/2023 |  |
| 14 | 4/26/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field  | 240      | UMHOS/CM |           | 4/26/2023 |  |
| 14 | 4/26/2023 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field            | 7.5      | Deg C    |           | 4/26/2023 |  |
| 14 | 5/25/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                          | 1        | cfs      |           | 5/25/2023 |  |

|     |           |                         |      |                                              |          |          |           |           |  |
|-----|-----------|-------------------------|------|----------------------------------------------|----------|----------|-----------|-----------|--|
| 14  | 5/25/2023 | TWENTYMILE COAL COMPANY | GRAB | Indication Oil and Grease                    | N        | Y/N      |           | 5/25/2023 |  |
| 14  | 5/25/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                                    | 7.8      | S.U.     |           | 5/25/2023 |  |
| 14  | 5/25/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field                 | 540      | UMHOS/CM |           | 5/25/2023 |  |
| 14  | 5/25/2023 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field                           | 14.9     | Deg C    |           | 5/25/2023 |  |
| 14  | 6/28/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                                         | 0        | cfs      |           | 6/28/2023 |  |
| 14  | 6/28/2023 | TWENTYMILE COAL COMPANY | GRAB | Indication Oil and Grease                    | N        | Y/N      |           | 6/28/2023 |  |
| 14  | 7/27/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                                         | 0        | cfs      |           | 7/27/2023 |  |
| 14  | 7/27/2023 | TWENTYMILE COAL COMPANY | GRAB | Indication Oil and Grease                    | N        | Y/N      |           | 7/27/2023 |  |
| 14  | 8/3/2023  | TWENTYMILE COAL COMPANY | GRAB | Flow                                         | 0        | cfs      |           | 8/3/2023  |  |
| 14  | 8/3/2023  | TWENTYMILE COAL COMPANY | GRAB | Indication Oil and Grease                    | N        | Y/N      |           | 8/3/2023  |  |
| 14  | 8/9/2023  | TWENTYMILE COAL COMPANY | GRAB | Flow                                         | 0        | cfs      |           | 8/9/2023  |  |
| 14  | 8/9/2023  | TWENTYMILE COAL COMPANY | GRAB | Indication Oil and Grease                    | N        | Y/N      |           | 8/9/2023  |  |
| 14  | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                                         | 0        | cfs      |           | 8/16/2023 |  |
| 14  | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Indication Oil and Grease                    | N        | Y/N      |           | 8/16/2023 |  |
| 14  | 8/23/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                                         | 0        | cfs      |           | 8/23/2023 |  |
| 14  | 8/23/2023 | TWENTYMILE COAL COMPANY | GRAB | Indication Oil and Grease                    | N        | Y/N      |           | 8/23/2023 |  |
| 16A | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Alkalinity as CaCO <sub>3</sub> , @ pH 4.5   | 179      | mg/L     | L79931-03 | 4/29/2023 |  |
| 16A | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Alkalinity, Bicarbonate as CaCO <sub>3</sub> | 177      | mg/L     | L79931-03 | 4/29/2023 |  |
| 16A | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Alkalinity, Carbonate as CaCO <sub>3</sub>   | < 20     | mg/L     | L79931-03 | 4/29/2023 |  |
| 16A | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Alkalinity, Hydroxide as CaCO <sub>3</sub>   | < 20     | mg/L     | L79931-03 | 4/29/2023 |  |
| 16A | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Ammonia Nitrogen                             | < 0.2    | mg/L     | L79931-03 | 4/25/2023 |  |
| 16A | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Bicarbonate as HCO <sub>3</sub>              | 216      | mg/L     | L79931-03 | 4/29/2023 |  |
| 16A | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Cadmium, Total Recoverable                   | 0.000084 | mg/L     | L79931-03 | 4/26/2023 |  |
| 16A | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Calcium, Dissolved                           | 53       | mg/L     | L79931-03 | 4/28/2023 |  |
| 16A | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Carbonate as CO <sub>3</sub>                 | < 20     | mg/L     | L79931-03 | 4/29/2023 |  |

|     |           |                         |      |                               |          |        |           |           |  |
|-----|-----------|-------------------------|------|-------------------------------|----------|--------|-----------|-----------|--|
| 16A | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                          | 44.2     | cfs    |           | 4/17/2023 |  |
| 16A | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Hydroxide as OH               | < 20     | mg/L   | L79931-03 | 4/29/2023 |  |
| 16A | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Indication Oil and Grease     | N        | Y/N    |           | 4/17/2023 |  |
| 16A | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Iron, Total Recoverable       | 5.34     | mg/L   | L79931-03 | 4/27/2023 |  |
| 16A | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Magnesium, Dissolved          | 27.8     | mg/L   | L79931-03 | 4/28/2023 |  |
| 16A | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Manganese, Total Recoverable  | 0.128    | mg/L   | L79931-03 | 4/27/2023 |  |
| 16A | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Mercury, Total                | < 0.001  | mg/L   | L79931-03 | 4/25/2023 |  |
| 16A | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Molybdenum, Total Recoverable | < 0.1    | mg/L   | L79931-03 | 4/27/2023 |  |
| 16A | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | NO3-NO2 Nitrogen              | 0.323    | mg/L   | L79931-03 | 4/28/2023 |  |
| 16A | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | pH Temperature                | 21.9     | Deg C  | L79931-03 | 4/29/2023 |  |
| 16A | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                     | 8.1      | S.U.   | L79931-03 | 4/17/2023 |  |
| 16A | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                       | 8.3      | S.U.   | L79931-03 | 4/29/2023 |  |
| 16A | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Phosphorus, Orthophosphorus   | 0.053    | mg/L   | L79931-03 | 4/19/2023 |  |
| 16A | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Selenium, Total Recoverable   | 0.00217  | mg/L   | L79931-03 | 4/26/2023 |  |
| 16A | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Silver, Total Recoverable     | < 0.0005 | mg/L   | L79931-03 | 4/26/2023 |  |
| 16A | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Sodium, Dissolved             | 21.4     | mg/L   | L79931-03 | 4/28/2023 |  |
| 16A | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Sodium Adsorption Ratio       | 0.6      | RATIO  | L79931-03 | 5/18/2023 |  |
| 16A | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended       | 159      | mg/L   | L79931-03 | 4/24/2023 |  |
| 16A | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field  | 480      | ums/cm | L79931-03 | 4/17/2023 |  |
| 16A | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Lab    | 562      | ums/cm | L79931-03 | 4/29/2023 |  |
| 16A | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Sulfates                      | 128      | mg/L   | L79931-03 | 5/15/2023 |  |
| 16A | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field            | 10.1     | Deg C  | L79931-03 | 4/17/2023 |  |
| 16A | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Total Dissolved Solids, Lab   | 390      | mg/L   | L79931-03 | 4/22/2023 |  |
| 16A | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Zinc, Total Recoverable       | < 0.05   | mg/L   | L79931-03 | 4/27/2023 |  |
| 16A | 4/26/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                          | 53.37    | cfs    |           | 4/26/2023 |  |



|     |           |                         |      |                                              |           |          |           |           |  |
|-----|-----------|-------------------------|------|----------------------------------------------|-----------|----------|-----------|-----------|--|
| 16A | 4/26/2023 | TWENTYMILE COAL COMPANY | GRAB | Indication Oil and Grease                    | N         | Y/N      |           | 4/26/2023 |  |
| 16A | 4/26/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                                    | 8         | S.U.     |           | 4/26/2023 |  |
| 16A | 4/26/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field                 | 510       | UMHOS/CM |           | 4/26/2023 |  |
| 16A | 4/26/2023 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field                           | 7.9       | Deg C    |           | 4/26/2023 |  |
| 16A | 5/25/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                                         | 95.87     | cfs      |           | 5/25/2023 |  |
| 16A | 5/25/2023 | TWENTYMILE COAL COMPANY | GRAB | Indication Oil and Grease                    | N         | Y/N      |           | 5/25/2023 |  |
| 16A | 5/25/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                                    | 8.2       | S.U.     |           | 5/25/2023 |  |
| 16A | 5/25/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field                 | 250       | UMHOS/CM |           | 5/25/2023 |  |
| 16A | 5/25/2023 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field                           | 15.5      | Deg C    |           | 5/25/2023 |  |
| 16A | 6/28/2023 | TWENTYMILE COAL COMPANY | GRAB | Alkalinity as CaCO <sub>3</sub> , @ pH 4.5   | 266       | mg/L     | L81472-02 | 7/11/2023 |  |
| 16A | 6/28/2023 | TWENTYMILE COAL COMPANY | GRAB | Alkalinity, Bicarbonate as CaCO <sub>3</sub> | 234       | mg/L     | L81472-02 | 7/11/2023 |  |
| 16A | 6/28/2023 | TWENTYMILE COAL COMPANY | GRAB | Alkalinity, Carbonate as CaCO <sub>3</sub>   | 32.4      | mg/L     | L81472-02 | 7/11/2023 |  |
| 16A | 6/28/2023 | TWENTYMILE COAL COMPANY | GRAB | Alkalinity, Hydroxide as CaCO <sub>3</sub>   | < 20      | mg/L     | L81472-02 | 7/11/2023 |  |
| 16A | 6/28/2023 | TWENTYMILE COAL COMPANY | GRAB | Ammonia Nitrogen                             | < 0.2     | mg/L     | L81472-02 | 7/10/2023 |  |
| 16A | 6/28/2023 | TWENTYMILE COAL COMPANY | GRAB | Bicarbonate as HCO <sub>3</sub>              | 285       | mg/L     | L81472-02 | 7/11/2023 |  |
| 16A | 6/28/2023 | TWENTYMILE COAL COMPANY | GRAB | Cadmium, Total Recoverable                   | < 0.00025 | mg/L     | L81472-02 | 7/10/2023 |  |
| 16A | 6/28/2023 | TWENTYMILE COAL COMPANY | GRAB | Calcium, Dissolved                           | 73.9      | mg/L     | L81472-02 | 7/11/2023 |  |
| 16A | 6/28/2023 | TWENTYMILE COAL COMPANY | GRAB | Carbonate as CO <sub>3</sub>                 | 19.5      | mg/L     | L81472-02 | 7/11/2023 |  |
| 16A | 6/28/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                                         | 12.21     | cfs      |           | 6/28/2023 |  |
| 16A | 6/28/2023 | TWENTYMILE COAL COMPANY | GRAB | Hydroxide as OH                              | < 20      | mg/L     | L81472-02 | 7/11/2023 |  |
| 16A | 6/28/2023 | TWENTYMILE COAL COMPANY | GRAB | Indication Oil and Grease                    | N         | Y/N      |           | 6/28/2023 |  |
| 16A | 6/28/2023 | TWENTYMILE COAL COMPANY | GRAB | Iron, Total Recoverable                      | 0.404     | mg/L     | L81472-02 | 7/8/2023  |  |
| 16A | 6/28/2023 | TWENTYMILE COAL COMPANY | GRAB | Magnesium, Dissolved                         | 39.1      | mg/L     | L81472-02 | 7/11/2023 |  |
| 16A | 6/28/2023 | TWENTYMILE COAL COMPANY | GRAB | Manganese, Total Recoverable                 | 0.036     | mg/L     | L81472-02 | 7/8/2023  |  |
| 16A | 6/28/2023 | TWENTYMILE COAL COMPANY | GRAB | Mercury, Total                               | < 0.001   | mg/L     | L81472-02 | 7/6/2023  |  |

|     |           |                         |      |                               |          |          |           |           |  |
|-----|-----------|-------------------------|------|-------------------------------|----------|----------|-----------|-----------|--|
| 16A | 6/28/2023 | TWENTYMILE COAL COMPANY | GRAB | Molybdenum, Total Recoverable | < 0.1    | mg/L     | L81472-02 | 7/8/2023  |  |
| 16A | 6/28/2023 | TWENTYMILE COAL COMPANY | GRAB | NO3-NO2 Nitrogen              | < 0.1    | mg/L     | L81472-02 | 7/9/2023  |  |
| 16A | 6/28/2023 | TWENTYMILE COAL COMPANY | GRAB | pH Temperature                | 23.3     | Deg C    | L81472-02 | 7/20/2023 |  |
| 16A | 6/28/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                     | 8.5      | S.U.     | L81472-02 | 6/28/2023 |  |
| 16A | 6/28/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                       | 8.5      | S.U.     | L81472-02 | 7/20/2023 |  |
| 16A | 6/28/2023 | TWENTYMILE COAL COMPANY | GRAB | Phosphorus, Orthophosphorus   | 0.015    | mg/L     | L81472-02 | 6/30/2023 |  |
| 16A | 6/28/2023 | TWENTYMILE COAL COMPANY | GRAB | Selenium, Total Recoverable   | 0.00043  | mg/L     | L81472-02 | 7/10/2023 |  |
| 16A | 6/28/2023 | TWENTYMILE COAL COMPANY | GRAB | Silver, Total Recoverable     | < 0.0005 | mg/L     | L81472-02 | 7/12/2023 |  |
| 16A | 6/28/2023 | TWENTYMILE COAL COMPANY | GRAB | Sodium, Dissolved             | 22.9     | mg/L     | L81472-02 | 7/11/2023 |  |
| 16A | 6/28/2023 | TWENTYMILE COAL COMPANY | GRAB | Sodium Adsorption Ratio       | 0.54     | RATIO    | L81472-02 | 7/27/2023 |  |
| 16A | 6/28/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended       | 11       | mg/L     | L81472-02 | 7/13/2023 |  |
| 16A | 6/28/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field  | 660      | ums/cm   | L81472-02 | 6/28/2023 |  |
| 16A | 6/28/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Lab    | 684      | ums/cm   | L81472-02 | 7/11/2023 |  |
| 16A | 6/28/2023 | TWENTYMILE COAL COMPANY | GRAB | Sulfates                      | 129      | mg/L     | L81472-02 | 7/20/2023 |  |
| 16A | 6/28/2023 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field            | 23       | Deg C    | L81472-02 | 6/28/2023 |  |
| 16A | 6/28/2023 | TWENTYMILE COAL COMPANY | GRAB | Total Dissolved Solids, Lab   | 462      | mg/L     | L81472-02 | 7/5/2023  |  |
| 16A | 6/28/2023 | TWENTYMILE COAL COMPANY | GRAB | Zinc, Total Recoverable       | < 0.05   | mg/L     | L81472-02 | 7/8/2023  |  |
| 16A | 7/27/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                          | 3.11     | cfs      |           | 7/27/2023 |  |
| 16A | 7/27/2023 | TWENTYMILE COAL COMPANY | GRAB | Indication Oil and Grease     | N        | Y/N      |           | 7/27/2023 |  |
| 16A | 7/27/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                     | 8.2      | S.U.     |           | 7/27/2023 |  |
| 16A | 7/27/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field  | 790      | UMHOS/CM |           | 7/27/2023 |  |
| 16A | 7/27/2023 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field            | 17.2     | Deg C    |           | 7/27/2023 |  |
| 16A | 8/3/2023  | TWENTYMILE COAL COMPANY | GRAB | Flow                          | 5.37     | cfs      |           | 8/3/2023  |  |
| 16A | 8/3/2023  | TWENTYMILE COAL COMPANY | GRAB | Indication Oil and Grease     | N        | Y/N      |           | 8/3/2023  |  |
| 16A | 8/3/2023  | TWENTYMILE COAL COMPANY | GRAB | pH, Field                     | 8.5      | S.U.     |           | 8/3/2023  |  |

|     |           |                         |      |                                              |           |          |           |           |  |
|-----|-----------|-------------------------|------|----------------------------------------------|-----------|----------|-----------|-----------|--|
| 16A | 8/3/2023  | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field                 | 680       | UMHOS/CM |           | 8/3/2023  |  |
| 16A | 8/3/2023  | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field                           | 23.7      | Deg C    |           | 8/3/2023  |  |
| 16A | 8/9/2023  | TWENTYMILE COAL COMPANY | GRAB | Flow                                         | 3.28      | cfs      |           | 8/9/2023  |  |
| 16A | 8/9/2023  | TWENTYMILE COAL COMPANY | GRAB | Indication Oil and Grease                    | N         | Y/N      |           | 8/9/2023  |  |
| 16A | 8/9/2023  | TWENTYMILE COAL COMPANY | GRAB | pH, Field                                    | 8.5       | S.U.     |           | 8/9/2023  |  |
| 16A | 8/9/2023  | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field                 | 670       | UMHOS/CM |           | 8/9/2023  |  |
| 16A | 8/9/2023  | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field                           | 19.8      | Deg C    |           | 8/9/2023  |  |
| 16A | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Alkalinity as CaCO <sub>3</sub> , @ pH 4.5   | 259       | mg/L     | L82518-10 | 8/24/2023 |  |
| 16A | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Alkalinity, Bicarbonate as CaCO <sub>3</sub> | 241       | mg/L     | L82518-10 | 8/24/2023 |  |
| 16A | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Alkalinity, Carbonate as CaCO <sub>3</sub>   | 18.3      | mg/L     | L82518-10 | 8/24/2023 |  |
| 16A | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Alkalinity, Hydroxide as CaCO <sub>3</sub>   | < 20      | mg/L     | L82518-10 | 8/24/2023 |  |
| 16A | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Ammonia Nitrogen                             | < 0.2     | mg/L     | L82518-10 | 8/29/2023 |  |
| 16A | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Bicarbonate as HCO <sub>3</sub>              | 294       | mg/L     | L82518-10 | 8/24/2023 |  |
| 16A | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Cadmium, Total Recoverable                   | < 0.00025 | mg/L     | L82518-10 | 8/24/2023 |  |
| 16A | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Calcium, Dissolved                           | 63.5      | mg/L     | L82518-10 | 8/25/2023 |  |
| 16A | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Carbonate as CO <sub>3</sub>                 | 11        | mg/L     | L82518-10 | 8/24/2023 |  |
| 16A | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                                         | 3.1       | cfs      |           | 8/16/2023 |  |
| 16A | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Hydroxide as OH                              | < 20      | mg/L     | L82518-10 | 8/24/2023 |  |
| 16A | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Indication Oil and Grease                    | N         | Y/N      |           | 8/16/2023 |  |
| 16A | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Iron, Total Recoverable                      | 0.382     | mg/L     | L82518-10 | 8/30/2023 |  |
| 16A | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Magnesium, Dissolved                         | 37.8      | mg/L     | L82518-10 | 8/25/2023 |  |
| 16A | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Manganese, Total Recoverable                 | 0.033     | mg/L     | L82518-10 | 8/30/2023 |  |
| 16A | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Mercury, Total                               | < 0.001   | mg/L     | L82518-10 | 8/22/2023 |  |
| 16A | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Molybdenum, Total Recoverable                | < 0.1     | mg/L     | L82518-10 | 8/30/2023 |  |
| 16A | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | NO <sub>3</sub> -NO <sub>2</sub> Nitrogen    | < 0.1     | mg/L     | L82518-10 | 8/25/2023 |  |

|     |           |                         |      |                                              |          |          |           |           |  |
|-----|-----------|-------------------------|------|----------------------------------------------|----------|----------|-----------|-----------|--|
| 16A | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | pH Temperature                               | 22.6     | Deg C    | L82518-10 | 8/24/2023 |  |
| 16A | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                                      | 8.4      | S.U.     | L82518-10 | 8/24/2023 |  |
| 16A | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Phosphorus, Orthophosphorus                  | < 0.05   | mg/L     | L82518-10 | 8/18/2023 |  |
| 16A | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Selenium, Total Recoverable                  | 0.00036  | mg/L     | L82518-10 | 8/24/2023 |  |
| 16A | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Silver, Total Recoverable                    | < 0.0005 | mg/L     | L82518-10 | 8/24/2023 |  |
| 16A | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Sodium, Dissolved                            | 20.8     | mg/L     | L82518-10 | 8/25/2023 |  |
| 16A | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Sodium Adsorption Ratio                      | 0.52     | RATIO    | L82518-10 | 9/19/2023 |  |
| 16A | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended                      | 8        | mg/L     | L82518-10 | 8/23/2023 |  |
| 16A | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Lab                   | 653      | ums/cm   | L82518-10 | 8/24/2023 |  |
| 16A | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Sulfates                                     | 147      | mg/L     | L82518-10 | 8/24/2023 |  |
| 16A | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Total Dissolved Solids, Lab                  | 406      | mg/L     | L82518-10 | 8/23/2023 |  |
| 16A | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Zinc, Total Recoverable                      | < 0.05   | mg/L     | L82518-10 | 8/30/2023 |  |
| 16A | 8/23/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                                         | 3.74     | cfs      |           | 8/23/2023 |  |
| 16A | 8/23/2023 | TWENTYMILE COAL COMPANY | GRAB | Indication Oil and Grease                    | N        | Y/N      |           | 8/23/2023 |  |
| 16A | 8/23/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                                    | 8.3      | S.U.     |           | 8/23/2023 |  |
| 16A | 8/23/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field                 | 740      | UMHOS/CM |           | 8/23/2023 |  |
| 16A | 8/23/2023 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field                           | 21.1     | Deg C    |           | 8/23/2023 |  |
| 16A | 8/30/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                                         | 3.02     | cfs      |           | 8/30/2023 |  |
| 16A | 8/30/2023 | TWENTYMILE COAL COMPANY | GRAB | Indication Oil and Grease                    | N        | Y/N      |           | 8/30/2023 |  |
| 16A | 8/30/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                                    | 8.4      | S.U.     |           | 8/30/2023 |  |
| 16A | 8/30/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field                 | 660      | UMHOS/CM |           | 8/30/2023 |  |
| 16A | 8/30/2023 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field                           | 21.5     | Deg C    |           | 8/30/2023 |  |
| 16A | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Alkalinity as CaCO <sub>3</sub> , @ pH 4.5   | 287      | mg/L     | L82935-01 | 9/9/2023  |  |
| 16A | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Alkalinity, Bicarbonate as CaCO <sub>3</sub> | 242      | mg/L     | L82935-01 | 9/9/2023  |  |
| 16A | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Alkalinity, Carbonate as CaCO <sub>3</sub>   | 44.5     | mg/L     | L82935-01 | 9/9/2023  |  |

|     |          |                         |      |                                            |           |        |           |           |  |
|-----|----------|-------------------------|------|--------------------------------------------|-----------|--------|-----------|-----------|--|
| 16A | 9/6/2023 | TWENTYMILE COAL COMPANY | GRAB | Alkalinity, Hydroxide as CaCO <sub>3</sub> | < 20      | mg/L   | L82935-01 | 9/9/2023  |  |
| 16A | 9/6/2023 | TWENTYMILE COAL COMPANY | GRAB | Ammonia Nitrogen                           | < 0.2     | mg/L   | L82935-01 | 9/15/2023 |  |
| 16A | 9/6/2023 | TWENTYMILE COAL COMPANY | GRAB | Bicarbonate as HCO <sub>3</sub>            | 296       | mg/L   | L82935-01 | 9/9/2023  |  |
| 16A | 9/6/2023 | TWENTYMILE COAL COMPANY | GRAB | Cadmium, Total Recoverable                 | < 0.00025 | mg/L   | L82935-01 | 9/13/2023 |  |
| 16A | 9/6/2023 | TWENTYMILE COAL COMPANY | GRAB | Calcium, Dissolved                         | 64.9      | mg/L   | L82935-01 | 9/19/2023 |  |
| 16A | 9/6/2023 | TWENTYMILE COAL COMPANY | GRAB | Carbonate as CO <sub>3</sub>               | 26.7      | mg/L   | L82935-01 | 9/9/2023  |  |
| 16A | 9/6/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                                       | 3.69      | cfs    |           | 9/6/2023  |  |
| 16A | 9/6/2023 | TWENTYMILE COAL COMPANY | GRAB | Hydroxide as OH                            | < 20      | mg/L   | L82935-01 | 9/9/2023  |  |
| 16A | 9/6/2023 | TWENTYMILE COAL COMPANY | GRAB | Indication Oil and Grease                  | N         | Y/N    |           | 9/6/2023  |  |
| 16A | 9/6/2023 | TWENTYMILE COAL COMPANY | GRAB | Iron, Total Recoverable                    | 0.453     | mg/L   | L82935-01 | 9/19/2023 |  |
| 16A | 9/6/2023 | TWENTYMILE COAL COMPANY | GRAB | Magnesium, Dissolved                       | 39.9      | mg/L   | L82935-01 | 9/19/2023 |  |
| 16A | 9/6/2023 | TWENTYMILE COAL COMPANY | GRAB | Manganese, Total Recoverable               | 0.032     | mg/L   | L82935-01 | 9/19/2023 |  |
| 16A | 9/6/2023 | TWENTYMILE COAL COMPANY | GRAB | Mercury, Total                             | < 0.001   | mg/L   | L82935-01 | 9/11/2023 |  |
| 16A | 9/6/2023 | TWENTYMILE COAL COMPANY | GRAB | Molybdenum, Total Recoverable              | < 0.1     | mg/L   | L82935-01 | 9/20/2023 |  |
| 16A | 9/6/2023 | TWENTYMILE COAL COMPANY | GRAB | NO <sub>3</sub> -NO <sub>2</sub> Nitrogen  | 0.049     | mg/L   | L82935-01 | 9/16/2023 |  |
| 16A | 9/6/2023 | TWENTYMILE COAL COMPANY | GRAB | pH Temperature                             | 23        | Deg C  | L82935-01 | 9/9/2023  |  |
| 16A | 9/6/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                                  | 7.8       | S.U.   | L82935-01 | 9/6/2023  |  |
| 16A | 9/6/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                                    | 8.5       | S.U.   | L82935-01 | 9/9/2023  |  |
| 16A | 9/6/2023 | TWENTYMILE COAL COMPANY | GRAB | Phosphorus, Orthophosphorus                | 0.016     | mg/L   | L82935-01 | 9/7/2023  |  |
| 16A | 9/6/2023 | TWENTYMILE COAL COMPANY | GRAB | Selenium, Total Recoverable                | 0.00042   | mg/L   | L82935-01 | 9/13/2023 |  |
| 16A | 9/6/2023 | TWENTYMILE COAL COMPANY | GRAB | Silver, Total Recoverable                  | < 0.0005  | mg/L   | L82935-01 | 9/13/2023 |  |
| 16A | 9/6/2023 | TWENTYMILE COAL COMPANY | GRAB | Sodium, Dissolved                          | 22.7      | mg/L   | L82935-01 | 9/19/2023 |  |
| 16A | 9/6/2023 | TWENTYMILE COAL COMPANY | GRAB | Sodium Adsorption Ratio                    | 0.55      | RATIO  | L82935-01 | 9/27/2023 |  |
| 16A | 9/6/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended                    | 13        | mg/L   | L82935-01 | 9/12/2023 |  |
| 16A | 9/6/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field               | 650       | ums/cm | L82935-01 | 9/6/2023  |  |

|     |           |                         |      |                                              |          |          |           |           |                              |
|-----|-----------|-------------------------|------|----------------------------------------------|----------|----------|-----------|-----------|------------------------------|
| 16A | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Lab                   | 674      | ums/cm   | L82935-01 | 9/26/2023 |                              |
| 16A | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Sulfates                                     | 126      | mg/L     | L82935-01 | 9/11/2023 |                              |
| 16A | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field                           | 22       | Deg C    | L82935-01 | 9/6/2023  |                              |
| 16A | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Total Dissolved Solids, Lab                  | 432      | mg/L     | L82935-01 | 9/13/2023 |                              |
| 16A | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Zinc, Total Recoverable                      | < 0.05   | mg/L     | L82935-01 | 9/19/2023 |                              |
| 16A | 9/12/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                                         | 3.49     | cfs      |           | 9/12/2023 |                              |
| 16A | 9/12/2023 | TWENTYMILE COAL COMPANY | GRAB | Indication Oil and Grease                    | N        | Y/N      |           | 9/12/2023 |                              |
| 16A | 9/12/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                                    | 8.4      | S.U.     |           | 9/12/2023 |                              |
| 16A | 9/12/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field                 | 690      | UMHOS/CM |           | 9/12/2023 |                              |
| 16A | 9/12/2023 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field                           | 18.5     | Deg C    |           | 9/12/2023 |                              |
| 27A | 4/18/2023 | TWENTYMILE COAL COMPANY | GRAB | Alkalinity as CaCO <sub>3</sub> , @ pH 4.5   | 104      | mg/L     | L79931-11 | 4/29/2023 | high water no flow available |
| 27A | 4/18/2023 | TWENTYMILE COAL COMPANY | GRAB | Alkalinity, Bicarbonate as CaCO <sub>3</sub> | 104      | mg/L     | L79931-11 | 4/29/2023 | high water no flow available |
| 27A | 4/18/2023 | TWENTYMILE COAL COMPANY | GRAB | Alkalinity, Carbonate as CaCO <sub>3</sub>   | < 20     | mg/L     | L79931-11 | 4/29/2023 | high water no flow available |
| 27A | 4/18/2023 | TWENTYMILE COAL COMPANY | GRAB | Alkalinity, Hydroxide as CaCO <sub>3</sub>   | < 20     | mg/L     | L79931-11 | 4/29/2023 | high water no flow available |
| 27A | 4/18/2023 | TWENTYMILE COAL COMPANY | GRAB | Ammonia Nitrogen                             | < 0.2    | mg/L     | L79931-11 | 4/20/2023 | high water no flow available |
| 27A | 4/18/2023 | TWENTYMILE COAL COMPANY | GRAB | Bicarbonate as HCO <sub>3</sub>              | 127      | mg/L     | L79931-11 | 4/29/2023 | high water no flow available |
| 27A | 4/18/2023 | TWENTYMILE COAL COMPANY | GRAB | Cadmium, Total Recoverable                   | 0.000365 | mg/L     | L79931-11 | 4/26/2023 | high water no flow available |
| 27A | 4/18/2023 | TWENTYMILE COAL COMPANY | GRAB | Calcium, Dissolved                           | 37.9     | mg/L     | L79931-11 | 4/28/2023 | high water no flow available |
| 27A | 4/18/2023 | TWENTYMILE COAL COMPANY | GRAB | Carbonate as CO <sub>3</sub>                 | < 20     | mg/L     | L79931-11 | 4/29/2023 | high water no flow available |
| 27A | 4/18/2023 | TWENTYMILE COAL COMPANY | GRAB | Hydroxide as OH                              | < 20     | mg/L     | L79931-11 | 4/29/2023 | high water no flow available |
| 27A | 4/18/2023 | TWENTYMILE COAL COMPANY | GRAB | Indication Oil and Grease                    | N        | Y/N      |           | 4/18/2023 | high water no flow available |
| 27A | 4/18/2023 | TWENTYMILE COAL COMPANY | GRAB | Iron, Total Recoverable                      | 25.4     | mg/L     | L79931-11 | 4/26/2023 | high water no flow available |
| 27A | 4/18/2023 | TWENTYMILE COAL COMPANY | GRAB | Magnesium, Dissolved                         | 24.7     | mg/L     | L79931-11 | 4/28/2023 | high water no flow available |
| 27A | 4/18/2023 | TWENTYMILE COAL COMPANY | GRAB | Manganese, Total Recoverable                 | 0.402    | mg/L     | L79931-11 | 4/26/2023 | high water no flow available |
| 27A | 4/18/2023 | TWENTYMILE COAL COMPANY | GRAB | Mercury, Total                               | < 0.001  | mg/L     | L79931-11 | 4/25/2023 | high water no flow available |

|     |           |                         |      |                               |          |          |           |           |                              |
|-----|-----------|-------------------------|------|-------------------------------|----------|----------|-----------|-----------|------------------------------|
| 27A | 4/18/2023 | TWENTYMILE COAL COMPANY | GRAB | Molybdenum, Total Recoverable | < 0.1    | mg/L     | L79931-11 | 4/26/2023 | high water no flow available |
| 27A | 4/18/2023 | TWENTYMILE COAL COMPANY | GRAB | NO3-NO2 Nitrogen              | 0.547    | mg/L     | L79931-11 | 4/28/2023 | high water no flow available |
| 27A | 4/18/2023 | TWENTYMILE COAL COMPANY | GRAB | pH Temperature                | 21.7     | Deg C    | L79931-11 | 4/29/2023 | high water no flow available |
| 27A | 4/18/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                     | 8        | S.U.     | L79931-11 | 4/18/2023 | high water no flow available |
| 27A | 4/18/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                       | 8.3      | S.U.     | L79931-11 | 4/29/2023 | high water no flow available |
| 27A | 4/18/2023 | TWENTYMILE COAL COMPANY | GRAB | Phosphorus, Orthophosphorus   | 0.097    | mg/L     | L79931-11 | 4/19/2023 | high water no flow available |
| 27A | 4/18/2023 | TWENTYMILE COAL COMPANY | GRAB | Selenium, Total Recoverable   | 0.00244  | mg/L     | L79931-11 | 4/26/2023 | high water no flow available |
| 27A | 4/18/2023 | TWENTYMILE COAL COMPANY | GRAB | Silver, Total Recoverable     | < 0.0005 | mg/L     | L79931-11 | 4/26/2023 | high water no flow available |
| 27A | 4/18/2023 | TWENTYMILE COAL COMPANY | GRAB | Sodium, Dissolved             | 38       | mg/L     | L79931-11 | 4/28/2023 | high water no flow available |
| 27A | 4/18/2023 | TWENTYMILE COAL COMPANY | GRAB | Sodium Adsorption Ratio       | 1.2      | RATIO    | L79931-11 | 5/18/2023 | high water no flow available |
| 27A | 4/18/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended       | 636      | mg/L     | L79931-11 | 4/24/2023 | high water no flow available |
| 27A | 4/18/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field  | 630      | ums/cm   | L79931-11 | 4/18/2023 | high water no flow available |
| 27A | 4/18/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Lab    | 602      | ums/cm   | L79931-11 | 4/29/2023 | high water no flow available |
| 27A | 4/18/2023 | TWENTYMILE COAL COMPANY | GRAB | Sulfates                      | 182      | mg/L     | L79931-11 | 5/15/2023 | high water no flow available |
| 27A | 4/18/2023 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field            | 4        | Deg C    | L79931-11 | 4/18/2023 | high water no flow available |
| 27A | 4/18/2023 | TWENTYMILE COAL COMPANY | GRAB | Total Dissolved Solids, Lab   | 452      | mg/L     | L79931-11 | 4/22/2023 | high water no flow available |
| 27A | 4/18/2023 | TWENTYMILE COAL COMPANY | GRAB | Zinc, Total Recoverable       | 0.085    | mg/L     | L79931-11 | 4/26/2023 | high water no flow available |
| 27A | 4/26/2023 | TWENTYMILE COAL COMPANY | GRAB | Indication Oil and Grease     | N        | Y/N      |           | 4/26/2023 | high water no flow available |
| 27A | 4/26/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                     | 8.1      | S.U.     |           | 4/26/2023 | high water no flow available |
| 27A | 4/26/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field  | 440      | UMHOS/CM |           | 4/26/2023 | high water no flow available |
| 27A | 4/26/2023 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field            | 11       | Deg C    |           | 4/26/2023 | high water no flow available |
| 27A | 5/25/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                          | 99.02    | cfs      |           | 5/25/2023 |                              |
| 27A | 5/25/2023 | TWENTYMILE COAL COMPANY | GRAB | Indication Oil and Grease     | N        | Y/N      |           | 5/25/2023 |                              |
| 27A | 5/25/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                     | 8.3      | S.U.     |           | 5/25/2023 |                              |
| 27A | 5/25/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field  | 450      | UMHOS/CM |           | 5/25/2023 |                              |

|     |           |                         |      |                                              |           |       |           |           |  |
|-----|-----------|-------------------------|------|----------------------------------------------|-----------|-------|-----------|-----------|--|
| 27A | 5/25/2023 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field                           | 16.7      | Deg C |           | 5/25/2023 |  |
| 27A | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Alkalinity as CaCO <sub>3</sub> , @ pH 4.5   | 266       | mg/L  | L81472-11 | 7/11/2023 |  |
| 27A | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Alkalinity, Bicarbonate as CaCO <sub>3</sub> | 235       | mg/L  | L81472-11 | 7/11/2023 |  |
| 27A | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Alkalinity, Carbonate as CaCO <sub>3</sub>   | 30.9      | mg/L  | L81472-11 | 7/11/2023 |  |
| 27A | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Alkalinity, Hydroxide as CaCO <sub>3</sub>   | < 20      | mg/L  | L81472-11 | 7/11/2023 |  |
| 27A | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Ammonia Nitrogen                             | < 0.2     | mg/L  | L81472-11 | 7/10/2023 |  |
| 27A | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Bicarbonate as HCO <sub>3</sub>              | 287       | mg/L  | L81472-11 | 7/11/2023 |  |
| 27A | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Cadmium, Total Recoverable                   | < 0.00025 | mg/L  | L81472-11 | 7/10/2023 |  |
| 27A | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Calcium, Dissolved                           | 94.4      | mg/L  | L81472-11 | 7/13/2023 |  |
| 27A | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Carbonate as CO <sub>3</sub>                 | 18.5      | mg/L  | L81472-11 | 7/11/2023 |  |
| 27A | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                                         | 7.53      | cfs   |           | 6/29/2023 |  |
| 27A | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Hydroxide as OH                              | < 20      | mg/L  | L81472-11 | 7/11/2023 |  |
| 27A | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Indication Oil and Grease                    | N         | Y/N   |           | 6/29/2023 |  |
| 27A | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Iron, Total Recoverable                      | 0.524     | mg/L  | L81472-11 | 7/8/2023  |  |
| 27A | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Magnesium, Dissolved                         | 51.5      | mg/L  | L81472-11 | 7/13/2023 |  |
| 27A | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Manganese, Total Recoverable                 | 0.058     | mg/L  | L81472-11 | 7/8/2023  |  |
| 27A | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Mercury, Total                               | < 0.001   | mg/L  | L81472-11 | 7/6/2023  |  |
| 27A | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Molybdenum, Total Recoverable                | < 0.1     | mg/L  | L81472-11 | 7/8/2023  |  |
| 27A | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | NO <sub>3</sub> -NO <sub>2</sub> Nitrogen    | < 0.1     | mg/L  | L81472-11 | 7/9/2023  |  |
| 27A | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | pH Temperature                               | 23.5      | Deg C | L81472-11 | 7/20/2023 |  |
| 27A | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                                    | 8.3       | S.U.  | L81472-11 | 6/29/2023 |  |
| 27A | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                                      | 8.5       | S.U.  | L81472-11 | 7/20/2023 |  |
| 27A | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Phosphorus, Orthophosphorus                  | 0.011     | mg/L  | L81472-11 | 6/30/2023 |  |
| 27A | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Selenium, Total Recoverable                  | 0.00056   | mg/L  | L81472-11 | 7/10/2023 |  |
| 27A | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Silver, Total Recoverable                    | < 0.0005  | mg/L  | L81472-11 | 7/12/2023 |  |



|     |           |                         |      |                                            |        |          |           |           |  |
|-----|-----------|-------------------------|------|--------------------------------------------|--------|----------|-----------|-----------|--|
| 27A | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Sodium, Dissolved                          | 41     | mg/L     | L81472-11 | 7/13/2023 |  |
| 27A | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Sodium Adsorption Ratio                    | 0.85   | RATIO    | L81472-11 | 7/27/2023 |  |
| 27A | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended                    | 16     | mg/L     | L81472-11 | 7/13/2023 |  |
| 27A | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field               | 860    | ums/cm   | L81472-11 | 6/29/2023 |  |
| 27A | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Lab                 | 862    | ums/cm   | L81472-11 | 7/11/2023 |  |
| 27A | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Sulfates                                   | 226    | mg/L     | L81472-11 | 7/20/2023 |  |
| 27A | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field                         | 26.1   | Deg C    | L81472-11 | 6/29/2023 |  |
| 27A | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Total Dissolved Solids, Lab                | 594    | mg/L     | L81472-11 | 7/5/2023  |  |
| 27A | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Zinc, Total Recoverable                    | < 0.05 | mg/L     | L81472-11 | 7/8/2023  |  |
| 27A | 7/27/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                                       | 1.91   | cfs      |           | 7/27/2023 |  |
| 27A | 7/27/2023 | TWENTYMILE COAL COMPANY | GRAB | Indication Oil and Grease                  | N      | Y/N      |           | 7/27/2023 |  |
| 27A | 7/27/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                                  | 8.2    | S.U.     |           | 7/27/2023 |  |
| 27A | 7/27/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field               | 920    | UMHOS/CM |           | 7/27/2023 |  |
| 27A | 7/27/2023 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field                         | 21.6   | Deg C    |           | 7/27/2023 |  |
| 27A | 8/3/2023  | TWENTYMILE COAL COMPANY | GRAB | Flow                                       | 6.37   | cfs      |           | 8/3/2023  |  |
| 27A | 8/3/2023  | TWENTYMILE COAL COMPANY | GRAB | Indication Oil and Grease                  | N      | Y/N      |           | 8/3/2023  |  |
| 27A | 8/3/2023  | TWENTYMILE COAL COMPANY | GRAB | pH, Field                                  | 8.5    | S.U.     |           | 8/3/2023  |  |
| 27A | 8/3/2023  | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field               | 780    | UMHOS/CM |           | 8/3/2023  |  |
| 27A | 8/3/2023  | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field                         | 25     | Deg C    |           | 8/3/2023  |  |
| 27A | 8/9/2023  | TWENTYMILE COAL COMPANY | GRAB | Flow                                       | 7.49   | cfs      |           | 8/9/2023  |  |
| 27A | 8/9/2023  | TWENTYMILE COAL COMPANY | GRAB | Indication Oil and Grease                  | N      | Y/N      |           | 8/9/2023  |  |
| 27A | 8/9/2023  | TWENTYMILE COAL COMPANY | GRAB | pH, Field                                  | 8.6    | S.U.     |           | 8/9/2023  |  |
| 27A | 8/9/2023  | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field               | 770    | UMHOS/CM |           | 8/9/2023  |  |
| 27A | 8/9/2023  | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field                         | 21.2   | Deg C    |           | 8/9/2023  |  |
| 27A | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Alkalinity as CaCO <sub>3</sub> , @ pH 4.5 | 258    | mg/L     | L82518-05 | 8/24/2023 |  |

|     |           |                         |      |                                              |           |       |           |           |  |
|-----|-----------|-------------------------|------|----------------------------------------------|-----------|-------|-----------|-----------|--|
| 27A | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Alkalinity, Bicarbonate as CaCO <sub>3</sub> | 258       | mg/L  | L82518-05 | 8/24/2023 |  |
| 27A | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Alkalinity, Carbonate as CaCO <sub>3</sub>   | < 20      | mg/L  | L82518-05 | 8/24/2023 |  |
| 27A | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Alkalinity, Hydroxide as CaCO <sub>3</sub>   | < 20      | mg/L  | L82518-05 | 8/24/2023 |  |
| 27A | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Ammonia Nitrogen                             | < 0.2     | mg/L  | L82518-05 | 8/24/2023 |  |
| 27A | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Bicarbonate as HCO <sub>3</sub>              | 315       | mg/L  | L82518-05 | 8/24/2023 |  |
| 27A | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Cadmium, Total Recoverable                   | < 0.00025 | mg/L  | L82518-05 | 8/24/2023 |  |
| 27A | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Calcium, Dissolved                           | 72        | mg/L  | L82518-05 | 8/25/2023 |  |
| 27A | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Carbonate as CO <sub>3</sub>                 | < 20      | mg/L  | L82518-05 | 8/24/2023 |  |
| 27A | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                                         | 2.5       | cfs   |           | 8/17/2023 |  |
| 27A | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Hydroxide as OH                              | < 20      | mg/L  | L82518-05 | 8/24/2023 |  |
| 27A | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Indication Oil and Grease                    | N         | Y/N   |           | 8/17/2023 |  |
| 27A | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Iron, Total Recoverable                      | 0.722     | mg/L  | L82518-05 | 8/30/2023 |  |
| 27A | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Magnesium, Dissolved                         | 59.7      | mg/L  | L82518-05 | 8/25/2023 |  |
| 27A | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Manganese, Total Recoverable                 | 0.083     | mg/L  | L82518-05 | 8/30/2023 |  |
| 27A | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Mercury, Total                               | < 0.001   | mg/L  | L82518-05 | 8/22/2023 |  |
| 27A | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Molybdenum, Total Recoverable                | < 0.1     | mg/L  | L82518-05 | 8/30/2023 |  |
| 27A | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | NO <sub>3</sub> -NO <sub>2</sub> Nitrogen    | < 0.1     | mg/L  | L82518-05 | 8/25/2023 |  |
| 27A | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | pH Temperature                               | 23.1      | Deg C | L82518-05 | 8/24/2023 |  |
| 27A | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                                      | 8.3       | S.U.  | L82518-05 | 8/24/2023 |  |
| 27A | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Phosphorus, Orthophosphorus                  | < 0.05    | mg/L  | L82518-05 | 8/18/2023 |  |
| 27A | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Selenium, Total Recoverable                  | 0.00041   | mg/L  | L82518-05 | 8/24/2023 |  |
| 27A | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Silver, Total Recoverable                    | < 0.0005  | mg/L  | L82518-05 | 8/24/2023 |  |
| 27A | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Sodium, Dissolved                            | 45        | mg/L  | L82518-05 | 8/25/2023 |  |
| 27A | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Sodium Adsorption Ratio                      | 0.96      | RATIO | L82518-05 | 9/19/2023 |  |
| 27A | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended                      | 19        | mg/L  | L82518-05 | 8/23/2023 |  |

|     |           |                         |      |                                              |           |          |           |           |  |
|-----|-----------|-------------------------|------|----------------------------------------------|-----------|----------|-----------|-----------|--|
| 27A | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Lab                   | 924       | ums/cm   | L82518-05 | 8/24/2023 |  |
| 27A | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Sulfates                                     | 254       | mg/L     | L82518-05 | 8/24/2023 |  |
| 27A | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Total Dissolved Solids, Lab                  | 606       | mg/L     | L82518-05 | 8/23/2023 |  |
| 27A | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Zinc, Total Recoverable                      | < 0.05    | mg/L     | L82518-05 | 8/30/2023 |  |
| 27A | 8/23/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                                         | 0.95      | cfs      |           | 8/23/2023 |  |
| 27A | 8/23/2023 | TWENTYMILE COAL COMPANY | GRAB | Indication Oil and Grease                    | N         | Y/N      |           | 8/23/2023 |  |
| 27A | 8/23/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                                    | 8.2       | S.U.     |           | 8/23/2023 |  |
| 27A | 8/23/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field                 | 900       | UMHOS/CM |           | 8/23/2023 |  |
| 27A | 8/23/2023 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field                           | 20.8      | Deg C    |           | 8/23/2023 |  |
| 27A | 8/30/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                                         | 3.98      | cfs      |           | 8/30/2023 |  |
| 27A | 8/30/2023 | TWENTYMILE COAL COMPANY | GRAB | Indication Oil and Grease                    | N         | Y/N      |           | 8/30/2023 |  |
| 27A | 8/30/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                                    | 8.3       | S.U.     |           | 8/30/2023 |  |
| 27A | 8/30/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field                 | 730       | UMHOS/CM |           | 8/30/2023 |  |
| 27A | 8/30/2023 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field                           | 21.7      | Deg C    |           | 8/30/2023 |  |
| 27A | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Alkalinity as CaCO <sub>3</sub> , @ pH 4.5   | 248       | mg/L     | L82935-06 | 9/9/2023  |  |
| 27A | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Alkalinity, Bicarbonate as CaCO <sub>3</sub> | 226       | mg/L     | L82935-06 | 9/9/2023  |  |
| 27A | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Alkalinity, Carbonate as CaCO <sub>3</sub>   | 21.8      | mg/L     | L82935-06 | 9/9/2023  |  |
| 27A | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Alkalinity, Hydroxide as CaCO <sub>3</sub>   | < 20      | mg/L     | L82935-06 | 9/9/2023  |  |
| 27A | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Ammonia Nitrogen                             | < 0.2     | mg/L     | L82935-06 | 9/15/2023 |  |
| 27A | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Bicarbonate as HCO <sub>3</sub>              | 276       | mg/L     | L82935-06 | 9/9/2023  |  |
| 27A | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Cadmium, Total Recoverable                   | < 0.00025 | mg/L     | L82935-06 | 9/13/2023 |  |
| 27A | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Calcium, Dissolved                           | 58.9      | mg/L     | L82935-06 | 9/19/2023 |  |
| 27A | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Carbonate as CO <sub>3</sub>                 | 13.1      | mg/L     | L82935-06 | 9/9/2023  |  |
| 27A | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Flow                                         | 3.92      | cfs      |           | 9/6/2023  |  |
| 27A | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Hydroxide as OH                              | < 20      | mg/L     | L82935-06 | 9/9/2023  |  |

|     |           |                         |      |                               |          |        |           |           |  |
|-----|-----------|-------------------------|------|-------------------------------|----------|--------|-----------|-----------|--|
| 27A | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Indication Oil and Grease     | N        | Y/N    |           | 9/6/2023  |  |
| 27A | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Iron, Total Recoverable       | 1.01     | mg/L   | L82935-06 | 9/19/2023 |  |
| 27A | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Magnesium, Dissolved          | 46.9     | mg/L   | L82935-06 | 9/19/2023 |  |
| 27A | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Manganese, Total Recoverable  | 0.061    | mg/L   | L82935-06 | 9/19/2023 |  |
| 27A | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Mercury, Total                | < 0.001  | mg/L   | L82935-06 | 9/19/2023 |  |
| 27A | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Molybdenum, Total Recoverable | < 0.1    | mg/L   | L82935-06 | 9/20/2023 |  |
| 27A | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | NO3-NO2 Nitrogen              | < 0.1    | mg/L   | L82935-06 | 9/16/2023 |  |
| 27A | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | pH Temperature                | 22.9     | Deg C  | L82935-06 | 9/9/2023  |  |
| 27A | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | pH, Field                     | 8.4      | S.U.   | L82935-06 | 9/6/2023  |  |
| 27A | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                       | 8.4      | S.U.   | L82935-06 | 9/9/2023  |  |
| 27A | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Phosphorus, Orthophosphorus   | 0.012    | mg/L   | L82935-06 | 9/7/2023  |  |
| 27A | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Selenium, Total Recoverable   | 0.00036  | mg/L   | L82935-06 | 9/13/2023 |  |
| 27A | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Silver, Total Recoverable     | < 0.0005 | mg/L   | L82935-06 | 9/13/2023 |  |
| 27A | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Sodium, Dissolved             | 42.2     | mg/L   | L82935-06 | 9/19/2023 |  |
| 27A | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Sodium Adsorption Ratio       | 1        | RATIO  | L82935-06 | 9/27/2023 |  |
| 27A | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended       | 24       | mg/L   | L82935-06 | 9/13/2023 |  |
| 27A | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field  | 820      | ums/cm | L82935-06 | 9/6/2023  |  |
| 27A | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Lab    | 804      | ums/cm | L82935-06 | 9/26/2023 |  |
| 27A | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Sulfates                      | 221      | mg/L   | L82935-06 | 9/11/2023 |  |
| 27A | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field            | 22.6     | Deg C  | L82935-06 | 9/6/2023  |  |
| 27A | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Total Dissolved Solids, Lab   | 554      | mg/L   | L82935-06 | 9/13/2023 |  |
| 27A | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Zinc, Total Recoverable       | < 0.05   | mg/L   | L82935-06 | 9/19/2023 |  |
| 27A | 9/12/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                          | 2.21     | cfs    |           | 9/12/2023 |  |
| 27A | 9/12/2023 | TWENTYMILE COAL COMPANY | GRAB | Indication Oil and Grease     | N        | Y/N    |           | 9/12/2023 |  |
| 27A | 9/12/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                     | 8.4      | S.U.   |           | 9/12/2023 |  |

|     |           |                         |      |                                              |         |          |           |           |  |
|-----|-----------|-------------------------|------|----------------------------------------------|---------|----------|-----------|-----------|--|
| 27A | 9/12/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field                 | 910     | UMHOS/CM |           | 9/12/2023 |  |
| 27A | 9/12/2023 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field                           | 18.5    | Deg C    |           | 9/12/2023 |  |
| 29  | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Alkalinity as CaCO <sub>3</sub> , @ pH 4.5   | 219     | mg/L     | L79931-06 | 4/29/2023 |  |
| 29  | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Alkalinity, Bicarbonate as CaCO <sub>3</sub> | 214     | mg/L     | L79931-06 | 4/29/2023 |  |
| 29  | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Alkalinity, Carbonate as CaCO <sub>3</sub>   | 5.1     | mg/L     | L79931-06 | 4/29/2023 |  |
| 29  | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Alkalinity, Hydroxide as CaCO <sub>3</sub>   | < 20    | mg/L     | L79931-06 | 4/29/2023 |  |
| 29  | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Ammonia Nitrogen                             | < 0.2   | mg/L     | L79931-06 | 4/20/2023 |  |
| 29  | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Bicarbonate as HCO <sub>3</sub>              | 261     | mg/L     | L79931-06 | 4/29/2023 |  |
| 29  | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Cadmium, Total Recoverable                   | 0.00023 | mg/L     | L79931-06 | 4/26/2023 |  |
| 29  | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Calcium, Dissolved                           | 95.1    | mg/L     | L79931-06 | 4/28/2023 |  |
| 29  | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Carbonate as CO <sub>3</sub>                 | 3.1     | mg/L     | L79931-06 | 4/29/2023 |  |
| 29  | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                                         | 64.8    | cfs      |           | 4/17/2023 |  |
| 29  | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Hydroxide as OH                              | < 20    | mg/L     | L79931-06 | 4/29/2023 |  |
| 29  | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Indication Oil and Grease                    | N       | Y/N      |           | 4/17/2023 |  |
| 29  | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Iron, Total Recoverable                      | 10.2    | mg/L     | L79931-06 | 4/27/2023 |  |
| 29  | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Magnesium, Dissolved                         | 59.6    | mg/L     | L79931-06 | 4/28/2023 |  |
| 29  | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Manganese, Total Recoverable                 | 0.363   | mg/L     | L79931-06 | 4/27/2023 |  |
| 29  | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Mercury, Total                               | < 0.001 | mg/L     | L79931-06 | 4/25/2023 |  |
| 29  | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Molybdenum, Total Recoverable                | < 0.1   | mg/L     | L79931-06 | 4/27/2023 |  |
| 29  | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | NO <sub>3</sub> -NO <sub>2</sub> Nitrogen    | 0.744   | mg/L     | L79931-06 | 4/28/2023 |  |
| 29  | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | pH Temperature                               | 22.1    | Deg C    | L79931-06 | 4/29/2023 |  |
| 29  | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                                    | 8       | S.U.     | L79931-06 | 4/17/2023 |  |
| 29  | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                                      | 8.4     | S.U.     | L79931-06 | 4/29/2023 |  |
| 29  | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Phosphorus, Orthophosphorus                  | 0.084   | mg/L     | L79931-06 | 4/19/2023 |  |
| 29  | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Selenium, Total Recoverable                  | 0.00238 | mg/L     | L79931-06 | 4/26/2023 |  |

|    |           |                         |      |                                              |          |          |           |           |  |
|----|-----------|-------------------------|------|----------------------------------------------|----------|----------|-----------|-----------|--|
| 29 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Silver, Total Recoverable                    | < 0.0005 | mg/L     | L79931-06 | 4/26/2023 |  |
| 29 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Sodium, Dissolved                            | 129      | mg/L     | L79931-06 | 4/28/2023 |  |
| 29 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Sodium Adsorption Ratio                      | 2.6      | RATIO    | L79931-06 | 5/18/2023 |  |
| 29 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended                      | 357      | mg/L     | L79931-06 | 4/24/2023 |  |
| 29 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field                 | 1110     | ums/cm   | L79931-06 | 4/17/2023 |  |
| 29 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Lab                   | 1400     | ums/cm   | L79931-06 | 4/29/2023 |  |
| 29 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Sulfates                                     | 545      | mg/L     | L79931-06 | 5/15/2023 |  |
| 29 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field                           | 12       | Deg C    | L79931-06 | 4/17/2023 |  |
| 29 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Total Dissolved Solids, Lab                  | 1040     | mg/L     | L79931-06 | 4/22/2023 |  |
| 29 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Zinc, Total Recoverable                      | 0.041    | mg/L     | L79931-06 | 4/27/2023 |  |
| 29 | 4/26/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                                         | 73.55    | cfs      |           | 4/26/2023 |  |
| 29 | 4/26/2023 | TWENTYMILE COAL COMPANY | GRAB | Indication Oil and Grease                    | N        | Y/N      |           | 4/26/2023 |  |
| 29 | 4/26/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                                    | 8.1      | S.U.     |           | 4/26/2023 |  |
| 29 | 4/26/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field                 | 860      | UMHOS/CM |           | 4/26/2023 |  |
| 29 | 4/26/2023 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field                           | 10.8     | Deg C    |           | 4/26/2023 |  |
| 29 | 5/25/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                                         | 28.35    | cfs      |           | 5/25/2023 |  |
| 29 | 5/25/2023 | TWENTYMILE COAL COMPANY | GRAB | Indication Oil and Grease                    | N        | Y/N      |           | 5/25/2023 |  |
| 29 | 5/25/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                                    | 8.3      | S.U.     |           | 5/25/2023 |  |
| 29 | 5/25/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field                 | 1680     | UMHOS/CM |           | 5/25/2023 |  |
| 29 | 5/25/2023 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field                           | 15.4     | Deg C    |           | 5/25/2023 |  |
| 29 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Alkalinity as CaCO <sub>3</sub> , @ pH 4.5   | 252      | mg/L     | L81472-07 | 7/11/2023 |  |
| 29 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Alkalinity, Bicarbonate as CaCO <sub>3</sub> | 225      | mg/L     | L81472-07 | 7/11/2023 |  |
| 29 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Alkalinity, Carbonate as CaCO <sub>3</sub>   | 26.4     | mg/L     | L81472-07 | 7/11/2023 |  |
| 29 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Alkalinity, Hydroxide as CaCO <sub>3</sub>   | < 20     | mg/L     | L81472-07 | 7/11/2023 |  |
| 29 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Ammonia Nitrogen                             | < 0.2    | mg/L     | L81472-07 | 7/10/2023 |  |

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|----|-----------|-------------------------|------|-------------------------------------------|----------|--------|-----------|-----------|--|
| 29 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Bicarbonate as HCO <sub>3</sub>           | 275      | mg/L   | L81472-07 | 7/11/2023 |  |
| 29 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Cadmium, Total Recoverable                | 0.000122 | mg/L   | L81472-07 | 7/10/2023 |  |
| 29 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Calcium, Dissolved                        | 143      | mg/L   | L81472-07 | 7/13/2023 |  |
| 29 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Carbonate as CO <sub>3</sub>              | 15.8     | mg/L   | L81472-07 | 7/11/2023 |  |
| 29 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                                      | 7.33     | cfs    |           | 6/29/2023 |  |
| 29 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Hydroxide as OH                           | < 20     | mg/L   | L81472-07 | 7/11/2023 |  |
| 29 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Indication Oil and Grease                 | N        | Y/N    |           | 6/29/2023 |  |
| 29 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Iron, Total Recoverable                   | 0.774    | mg/L   | L81472-07 | 7/8/2023  |  |
| 29 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Magnesium, Dissolved                      | 129      | mg/L   | L81472-07 | 7/13/2023 |  |
| 29 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Manganese, Total Recoverable              | 0.086    | mg/L   | L81472-07 | 7/8/2023  |  |
| 29 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Mercury, Total                            | < 0.001  | mg/L   | L81472-07 | 7/6/2023  |  |
| 29 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Molybdenum, Total Recoverable             | < 0.1    | mg/L   | L81472-07 | 7/8/2023  |  |
| 29 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | NO <sub>3</sub> -NO <sub>2</sub> Nitrogen | < 0.1    | mg/L   | L81472-07 | 7/9/2023  |  |
| 29 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | pH Temperature                            | 23.3     | Deg C  | L81472-07 | 7/20/2023 |  |
| 29 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                                 | 8.3      | S.U.   | L81472-07 | 6/29/2023 |  |
| 29 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                                   | 8.4      | S.U.   | L81472-07 | 7/20/2023 |  |
| 29 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Phosphorus, Orthophosphorus               | 0.037    | mg/L   | L81472-07 | 6/30/2023 |  |
| 29 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Selenium, Total Recoverable               | 0.00063  | mg/L   | L81472-07 | 7/10/2023 |  |
| 29 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Silver, Total Recoverable                 | < 0.0005 | mg/L   | L81472-07 | 7/12/2023 |  |
| 29 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Sodium, Dissolved                         | 138      | mg/L   | L81472-07 | 7/13/2023 |  |
| 29 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Sodium Adsorption Ratio                   | 2        | RATIO  | L81472-07 | 7/27/2023 |  |
| 29 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended                   | 31       | mg/L   | L81472-07 | 7/13/2023 |  |
| 29 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field              | 1680     | ums/cm | L81472-07 | 6/29/2023 |  |
| 29 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Lab                | 1890     | ums/cm | L81472-07 | 7/11/2023 |  |
| 29 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Sulfates                                  | 889      | mg/L   | L81472-07 | 7/20/2023 |  |

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|----|-----------|-------------------------|------|----------------------------------------------|---------|----------|-----------|-----------|--|
| 29 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field                           | 22.1    | Deg C    | L81472-07 | 6/29/2023 |  |
| 29 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Total Dissolved Solids, Lab                  | 1550    | mg/L     | L81472-07 | 7/5/2023  |  |
| 29 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Zinc, Total Recoverable                      | < 0.05  | mg/L     | L81472-07 | 7/8/2023  |  |
| 29 | 7/27/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                                         | 4.1     | cfs      |           | 7/27/2023 |  |
| 29 | 7/27/2023 | TWENTYMILE COAL COMPANY | GRAB | Indication Oil and Grease                    | N       | Y/N      |           | 7/27/2023 |  |
| 29 | 7/27/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                                    | 8.1     | S.U.     |           | 7/27/2023 |  |
| 29 | 7/27/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field                 | 1600    | UMHOS/CM |           | 7/27/2023 |  |
| 29 | 7/27/2023 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field                           | 18.3    | Deg C    |           | 7/27/2023 |  |
| 29 | 8/3/2023  | TWENTYMILE COAL COMPANY | GRAB | Flow                                         | 5.35    | cfs      |           | 8/3/2023  |  |
| 29 | 8/3/2023  | TWENTYMILE COAL COMPANY | GRAB | Indication Oil and Grease                    | N       | Y/N      |           | 8/3/2023  |  |
| 29 | 8/3/2023  | TWENTYMILE COAL COMPANY | GRAB | pH, Field                                    | 8.3     | S.U.     |           | 8/3/2023  |  |
| 29 | 8/3/2023  | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field                 | 1180    | UMHOS/CM |           | 8/3/2023  |  |
| 29 | 8/3/2023  | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field                           | 22.9    | Deg C    |           | 8/3/2023  |  |
| 29 | 8/9/2023  | TWENTYMILE COAL COMPANY | GRAB | Flow                                         | 5.3     | cfs      |           | 8/9/2023  |  |
| 29 | 8/9/2023  | TWENTYMILE COAL COMPANY | GRAB | Indication Oil and Grease                    | N       | Y/N      |           | 8/9/2023  |  |
| 29 | 8/9/2023  | TWENTYMILE COAL COMPANY | GRAB | pH, Field                                    | 8.3     | S.U.     |           | 8/9/2023  |  |
| 29 | 8/9/2023  | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field                 | 780     | UMHOS/CM |           | 8/9/2023  |  |
| 29 | 8/9/2023  | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field                           | 20.2    | Deg C    |           | 8/9/2023  |  |
| 29 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Alkalinity as CaCO <sub>3</sub> , @ pH 4.5   | 162     | mg/L     | L82518-15 | 8/24/2023 |  |
| 29 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Alkalinity, Bicarbonate as CaCO <sub>3</sub> | 162     | mg/L     | L82518-15 | 8/24/2023 |  |
| 29 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Alkalinity, Carbonate as CaCO <sub>3</sub>   | < 20    | mg/L     | L82518-15 | 8/24/2023 |  |
| 29 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Alkalinity, Hydroxide as CaCO <sub>3</sub>   | < 20    | mg/L     | L82518-15 | 8/24/2023 |  |
| 29 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Ammonia Nitrogen                             | < 0.2   | mg/L     | L82518-15 | 8/29/2023 |  |
| 29 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Bicarbonate as HCO <sub>3</sub>              | 197     | mg/L     | L82518-15 | 8/24/2023 |  |
| 29 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Cadmium, Total Recoverable                   | 0.00007 | mg/L     | L82518-15 | 8/24/2023 |  |



|    |           |                         |      |                                           |          |        |           |           |  |
|----|-----------|-------------------------|------|-------------------------------------------|----------|--------|-----------|-----------|--|
| 29 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Calcium, Dissolved                        | 67.8     | mg/L   | L82518-15 | 8/25/2023 |  |
| 29 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Carbonate as CO <sub>3</sub>              | < 20     | mg/L   | L82518-15 | 8/24/2023 |  |
| 29 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                                      | 4.12     | cfs    |           | 8/16/2023 |  |
| 29 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Hydroxide as OH                           | < 20     | mg/L   | L82518-15 | 8/24/2023 |  |
| 29 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Indication Oil and Grease                 | N        | Y/N    |           | 8/16/2023 |  |
| 29 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Iron, Total Recoverable                   | 2.83     | mg/L   | L82518-15 | 8/30/2023 |  |
| 29 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Magnesium, Dissolved                      | 50.6     | mg/L   | L82518-15 | 8/25/2023 |  |
| 29 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Manganese, Total Recoverable              | 0.115    | mg/L   | L82518-15 | 8/30/2023 |  |
| 29 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Mercury, Total                            | < 0.001  | mg/L   | L82518-15 | 8/22/2023 |  |
| 29 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Molybdenum, Total Recoverable             | < 0.1    | mg/L   | L82518-15 | 8/30/2023 |  |
| 29 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | NO <sub>3</sub> -NO <sub>2</sub> Nitrogen | < 0.1    | mg/L   | L82518-15 | 8/25/2023 |  |
| 29 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | pH Temperature                            | 23.3     | Deg C  | L82518-15 | 8/24/2023 |  |
| 29 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                                   | 8.1      | S.U.   | L82518-15 | 8/24/2023 |  |
| 29 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Phosphorus, Orthophosphorus               | 0.024    | mg/L   | L82518-15 | 8/18/2023 |  |
| 29 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Selenium, Total Recoverable               | 0.00027  | mg/L   | L82518-15 | 8/24/2023 |  |
| 29 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Silver, Total Recoverable                 | < 0.0005 | mg/L   | L82518-15 | 8/24/2023 |  |
| 29 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Sodium, Dissolved                         | 35.9     | mg/L   | L82518-15 | 8/25/2023 |  |
| 29 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Sodium Adsorption Ratio                   | 0.81     | RATIO  | L82518-15 | 9/19/2023 |  |
| 29 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended                   | 77       | mg/L   | L82518-15 | 8/23/2023 |  |
| 29 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Lab                | 850      | ums/cm | L82518-15 | 8/24/2023 |  |
| 29 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Sulfates                                  | 300      | mg/L   | L82518-15 | 8/24/2023 |  |
| 29 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Total Dissolved Solids, Lab               | 574      | mg/L   | L82518-15 | 8/23/2023 |  |
| 29 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Zinc, Total Recoverable                   | < 0.05   | mg/L   | L82518-15 | 8/30/2023 |  |
| 29 | 8/23/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                                      | 5.07     | cfs    |           | 8/23/2023 |  |
| 29 | 8/23/2023 | TWENTYMILE COAL COMPANY | GRAB | Indication Oil and Grease                 | N        | Y/N    |           | 8/23/2023 |  |

|    |           |                         |      |                                              |          |          |           |           |  |
|----|-----------|-------------------------|------|----------------------------------------------|----------|----------|-----------|-----------|--|
| 29 | 8/23/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                                    | 8.2      | S.U.     |           | 8/23/2023 |  |
| 29 | 8/23/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field                 | 1120     | UMHOS/CM |           | 8/23/2023 |  |
| 29 | 8/23/2023 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field                           | 20.2     | Deg C    |           | 8/23/2023 |  |
| 29 | 8/30/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                                         | 5.9      | cfs      |           | 8/30/2023 |  |
| 29 | 8/30/2023 | TWENTYMILE COAL COMPANY | GRAB | Indication Oil and Grease                    | N        | Y/N      |           | 8/30/2023 |  |
| 29 | 8/30/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                                    | 8.2      | S.U.     |           | 8/30/2023 |  |
| 29 | 8/30/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field                 | 1020     | UMHOS/CM |           | 8/30/2023 |  |
| 29 | 8/30/2023 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field                           | 20       | Deg C    |           | 8/30/2023 |  |
| 29 | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Alkalinity as CaCO <sub>3</sub> , @ pH 4.5   | 165      | mg/L     | L82935-04 | 9/9/2023  |  |
| 29 | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Alkalinity, Bicarbonate as CaCO <sub>3</sub> | 165      | mg/L     | L82935-04 | 9/9/2023  |  |
| 29 | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Alkalinity, Carbonate as CaCO <sub>3</sub>   | < 20     | mg/L     | L82935-04 | 9/9/2023  |  |
| 29 | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Alkalinity, Hydroxide as CaCO <sub>3</sub>   | < 20     | mg/L     | L82935-04 | 9/9/2023  |  |
| 29 | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Ammonia Nitrogen                             | < 0.2    | mg/L     | L82935-04 | 9/15/2023 |  |
| 29 | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Bicarbonate as HCO <sub>3</sub>              | 202      | mg/L     | L82935-04 | 9/9/2023  |  |
| 29 | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Cadmium, Total Recoverable                   | 0.000075 | mg/L     | L82935-04 | 9/13/2023 |  |
| 29 | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Calcium, Dissolved                           | 73.6     | mg/L     | L82935-04 | 9/19/2023 |  |
| 29 | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Carbonate as CO <sub>3</sub>                 | < 20     | mg/L     | L82935-04 | 9/9/2023  |  |
| 29 | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Flow                                         | 6.16     | cfs      |           | 9/6/2023  |  |
| 29 | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Hydroxide as OH                              | < 20     | mg/L     | L82935-04 | 9/9/2023  |  |
| 29 | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Indication Oil and Grease                    | N        | Y/N      |           | 9/6/2023  |  |
| 29 | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Iron, Total Recoverable                      | 3.41     | mg/L     | L82935-04 | 9/19/2023 |  |
| 29 | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Magnesium, Dissolved                         | 58.9     | mg/L     | L82935-04 | 9/19/2023 |  |
| 29 | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Manganese, Total Recoverable                 | 0.118    | mg/L     | L82935-04 | 9/19/2023 |  |
| 29 | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Mercury, Total                               | < 0.001  | mg/L     | L82935-04 | 9/19/2023 |  |
| 29 | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Molybdenum, Total Recoverable                | < 0.1    | mg/L     | L82935-04 | 9/20/2023 |  |

|     |           |                         |      |                                  |          |          |           |           |  |
|-----|-----------|-------------------------|------|----------------------------------|----------|----------|-----------|-----------|--|
| 29  | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | NO3-NO2 Nitrogen                 | < 0.1    | mg/L     | L82935-04 | 9/16/2023 |  |
| 29  | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | pH Temperature                   | 23.1     | Deg C    | L82935-04 | 9/9/2023  |  |
| 29  | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | pH, Field                        | 8.3      | S.U.     | L82935-04 | 9/6/2023  |  |
| 29  | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                          | 8.1      | S.U.     | L82935-04 | 9/9/2023  |  |
| 29  | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Phosphorus, Orthophosphorus      | 0.034    | mg/L     | L82935-04 | 9/7/2023  |  |
| 29  | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Selenium, Total Recoverable      | 0.00026  | mg/L     | L82935-04 | 9/13/2023 |  |
| 29  | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Silver, Total Recoverable        | < 0.0005 | mg/L     | L82935-04 | 9/13/2023 |  |
| 29  | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Sodium, Dissolved                | 36.8     | mg/L     | L82935-04 | 9/19/2023 |  |
| 29  | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Sodium Adsorption Ratio          | 0.78     | RATIO    | L82935-04 | 9/27/2023 |  |
| 29  | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended          | 81       | mg/L     | L82935-04 | 9/13/2023 |  |
| 29  | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field     | 860      | ums/cm   | L82935-04 | 9/6/2023  |  |
| 29  | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Lab       | 895      | ums/cm   | L82935-04 | 9/26/2023 |  |
| 29  | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Sulfates                         | 383      | mg/L     | L82935-04 | 9/11/2023 |  |
| 29  | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field               | 19.5     | Deg C    | L82935-04 | 9/6/2023  |  |
| 29  | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Total Dissolved Solids, Lab      | 666      | mg/L     | L82935-04 | 9/13/2023 |  |
| 29  | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Zinc, Total Recoverable          | < 0.05   | mg/L     | L82935-04 | 9/19/2023 |  |
| 29  | 9/12/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                             | 3.18     | cfs      |           | 9/12/2023 |  |
| 29  | 9/12/2023 | TWENTYMILE COAL COMPANY | GRAB | Indication Oil and Grease        | N        | Y/N      |           | 9/12/2023 |  |
| 29  | 9/12/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                        | 8.1      | S.U.     |           | 9/12/2023 |  |
| 29  | 9/12/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field     | 1290     | UMHOS/CM |           | 9/12/2023 |  |
| 29  | 9/12/2023 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field               | 17.1     | Deg C    |           | 9/12/2023 |  |
| 301 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Alkalinity as CaCO3, @ pH 4.5    | 128      | mg/L     | L79931-07 | 4/29/2023 |  |
| 301 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Alkalinity, Bicarbonate as CaCO3 | 127      | mg/L     | L79931-07 | 4/29/2023 |  |
| 301 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Alkalinity, Carbonate as CaCO3   | < 20     | mg/L     | L79931-07 | 4/29/2023 |  |
| 301 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Alkalinity, Hydroxide as CaCO3   | < 20     | mg/L     | L79931-07 | 4/29/2023 |  |

|     |           |                         |      |                                           |           |        |           |           |  |
|-----|-----------|-------------------------|------|-------------------------------------------|-----------|--------|-----------|-----------|--|
| 301 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Ammonia Nitrogen                          | < 0.2     | mg/L   | L79931-07 | 4/20/2023 |  |
| 301 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Bicarbonate as HCO <sub>3</sub>           | 155       | mg/L   | L79931-07 | 4/29/2023 |  |
| 301 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Cadmium, Total Recoverable                | < 0.00025 | mg/L   | L79931-07 | 4/26/2023 |  |
| 301 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Calcium, Dissolved                        | 75        | mg/L   | L79931-07 | 4/28/2023 |  |
| 301 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Carbonate as CO <sub>3</sub>              | < 20      | mg/L   | L79931-07 | 4/29/2023 |  |
| 301 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                                      | 66.6      | cfs    |           | 4/17/2023 |  |
| 301 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Hydroxide as OH                           | < 20      | mg/L   | L79931-07 | 4/29/2023 |  |
| 301 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Indication Oil and Grease                 | N         | Y/N    |           | 4/17/2023 |  |
| 301 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Iron, Total Recoverable                   | 0.974     | mg/L   | L79931-07 | 4/27/2023 |  |
| 301 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Magnesium, Dissolved                      | 46.2      | mg/L   | L79931-07 | 4/28/2023 |  |
| 301 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Manganese, Total Recoverable              | 0.106     | mg/L   | L79931-07 | 4/27/2023 |  |
| 301 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Mercury, Total                            | < 0.001   | mg/L   | L79931-07 | 4/25/2023 |  |
| 301 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Molybdenum, Total Recoverable             | < 0.1     | mg/L   | L79931-07 | 4/27/2023 |  |
| 301 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | NO <sub>3</sub> -NO <sub>2</sub> Nitrogen | 0.564     | mg/L   | L79931-07 | 4/28/2023 |  |
| 301 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | pH Temperature                            | 22        | Deg C  | L79931-07 | 4/29/2023 |  |
| 301 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                                 | 8.1       | S.U.   | L79931-07 | 4/17/2023 |  |
| 301 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                                   | 8.3       | S.U.   | L79931-07 | 4/29/2023 |  |
| 301 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Phosphorus, Orthophosphorus               | 0.035     | mg/L   | L79931-07 | 4/19/2023 |  |
| 301 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Selenium, Total Recoverable               | 0.00106   | mg/L   | L79931-07 | 4/26/2023 |  |
| 301 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Silver, Total Recoverable                 | < 0.0005  | mg/L   | L79931-07 | 4/26/2023 |  |
| 301 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Sodium, Dissolved                         | 13.8      | mg/L   | L79931-07 | 4/28/2023 |  |
| 301 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Sodium Adsorption Ratio                   | 0.31      | RATIO  | L79931-07 | 5/18/2023 |  |
| 301 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended                   | 50        | mg/L   | L79931-07 | 4/24/2023 |  |
| 301 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field              | 610       | ums/cm | L79931-07 | 4/17/2023 |  |
| 301 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Lab                | 763       | ums/cm | L79931-07 | 4/29/2023 |  |

|     |           |                         |      |                                              |           |          |           |           |                              |
|-----|-----------|-------------------------|------|----------------------------------------------|-----------|----------|-----------|-----------|------------------------------|
| 301 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Sulfates                                     | 272       | mg/L     | L79931-07 | 5/15/2023 |                              |
| 301 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field                           | 12        | Deg C    | L79931-07 | 4/17/2023 |                              |
| 301 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Total Dissolved Solids, Lab                  | 558       | mg/L     | L79931-07 | 4/22/2023 |                              |
| 301 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Zinc, Total Recoverable                      | < 0.05    | mg/L     | L79931-07 | 4/27/2023 |                              |
| 301 | 5/25/2023 | TWENTYMILE COAL COMPANY | GRAB | Indication Oil and Grease                    | N         | Y/N      |           | 5/25/2023 | high water no flow available |
| 301 | 5/25/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                                    | 8.3       | S.U.     |           | 5/25/2023 | high water no flow available |
| 301 | 5/25/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field                 | 290       | UMHOS/CM |           | 5/25/2023 | high water no flow available |
| 301 | 5/25/2023 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field                           | 15        | Deg C    |           | 5/25/2023 | high water no flow available |
| 301 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Alkalinity as CaCO <sub>3</sub> , @ pH 4.5   | 91.4      | mg/L     | L81472-08 | 7/11/2023 |                              |
| 301 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Alkalinity, Bicarbonate as CaCO <sub>3</sub> | 85.6      | mg/L     | L81472-08 | 7/11/2023 |                              |
| 301 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Alkalinity, Carbonate as CaCO <sub>3</sub>   | 5.7       | mg/L     | L81472-08 | 7/11/2023 |                              |
| 301 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Alkalinity, Hydroxide as CaCO <sub>3</sub>   | < 20      | mg/L     | L81472-08 | 7/11/2023 |                              |
| 301 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Ammonia Nitrogen                             | < 0.2     | mg/L     | L81472-08 | 7/10/2023 |                              |
| 301 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Bicarbonate as HCO <sub>3</sub>              | 104       | mg/L     | L81472-08 | 7/11/2023 |                              |
| 301 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Cadmium, Total Recoverable                   | < 0.00025 | mg/L     | L81472-08 | 7/10/2023 |                              |
| 301 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Calcium, Dissolved                           | 35.6      | mg/L     | L81472-08 | 7/13/2023 |                              |
| 301 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Carbonate as CO <sub>3</sub>                 | 3.5       | mg/L     | L81472-08 | 7/11/2023 |                              |
| 301 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                                         | 87.15     | cfs      |           | 6/29/2023 |                              |
| 301 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Hydroxide as OH                              | < 20      | mg/L     | L81472-08 | 7/11/2023 |                              |
| 301 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Indication Oil and Grease                    | N         | Y/N      |           | 6/29/2023 |                              |
| 301 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Iron, Total Recoverable                      | 0.892     | mg/L     | L81472-08 | 7/8/2023  |                              |
| 301 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Magnesium, Dissolved                         | 18        | mg/L     | L81472-08 | 7/13/2023 |                              |
| 301 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Manganese, Total Recoverable                 | 0.053     | mg/L     | L81472-08 | 7/8/2023  |                              |
| 301 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Mercury, Total                               | < 0.001   | mg/L     | L81472-08 | 7/6/2023  |                              |
| 301 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Molybdenum, Total Recoverable                | < 0.1     | mg/L     | L81472-08 | 7/8/2023  |                              |

|     |           |                         |      |                                  |           |        |           |           |  |
|-----|-----------|-------------------------|------|----------------------------------|-----------|--------|-----------|-----------|--|
| 301 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | NO3-NO2 Nitrogen                 | < 0.1     | mg/L   | L81472-08 | 7/9/2023  |  |
| 301 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | pH Temperature                   | 23.4      | Deg C  | L81472-08 | 7/20/2023 |  |
| 301 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                        | 8.2       | S.U.   | L81472-08 | 6/29/2023 |  |
| 301 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                          | 8.2       | S.U.   | L81472-08 | 7/20/2023 |  |
| 301 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Phosphorus, Orthophosphorus      | 0.031     | mg/L   | L81472-08 | 6/30/2023 |  |
| 301 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Selenium, Total Recoverable      | 0.00012   | mg/L   | L81472-08 | 7/10/2023 |  |
| 301 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Silver, Total Recoverable        | < 0.0005  | mg/L   | L81472-08 | 7/12/2023 |  |
| 301 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Sodium, Dissolved                | 5.14      | mg/L   | L81472-08 | 7/13/2023 |  |
| 301 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Sodium Adsorption Ratio          | 0.18      | RATIO  | L81472-08 | 7/27/2023 |  |
| 301 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended          | 22        | mg/L   | L81472-08 | 7/13/2023 |  |
| 301 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field     | 280       | ums/cm | L81472-08 | 6/29/2023 |  |
| 301 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Lab       | 328       | ums/cm | L81472-08 | 7/11/2023 |  |
| 301 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Sulfates                         | 79        | mg/L   | L81472-08 | 7/20/2023 |  |
| 301 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field               | 22.7      | Deg C  | L81472-08 | 6/29/2023 |  |
| 301 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Total Dissolved Solids, Lab      | 216       | mg/L   | L81472-08 | 7/5/2023  |  |
| 301 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Zinc, Total Recoverable          | < 0.05    | mg/L   | L81472-08 | 7/8/2023  |  |
| 301 | 7/27/2023 | TWENTYMILE COAL COMPANY | GRAB | Alkalinity as CaCO3, @ pH 4.5    | 167       | mg/L   | L82052-01 | 8/2/2023  |  |
| 301 | 7/27/2023 | TWENTYMILE COAL COMPANY | GRAB | Alkalinity, Bicarbonate as CaCO3 | 167       | mg/L   | L82052-01 | 8/2/2023  |  |
| 301 | 7/27/2023 | TWENTYMILE COAL COMPANY | GRAB | Alkalinity, Carbonate as CaCO3   | < 20      | mg/L   | L82052-01 | 8/2/2023  |  |
| 301 | 7/27/2023 | TWENTYMILE COAL COMPANY | GRAB | Alkalinity, Hydroxide as CaCO3   | < 20      | mg/L   | L82052-01 | 8/2/2023  |  |
| 301 | 7/27/2023 | TWENTYMILE COAL COMPANY | GRAB | Ammonia Nitrogen                 | < 0.2     | mg/L   | L82052-01 | 8/1/2023  |  |
| 301 | 7/27/2023 | TWENTYMILE COAL COMPANY | GRAB | Bicarbonate as HCO3              | 204       | mg/L   | L82052-01 | 8/2/2023  |  |
| 301 | 7/27/2023 | TWENTYMILE COAL COMPANY | GRAB | Cadmium, Total Recoverable       | < 0.00025 | mg/L   | L82052-01 | 8/7/2023  |  |
| 301 | 7/27/2023 | TWENTYMILE COAL COMPANY | GRAB | Calcium, Dissolved               | 58.5      | mg/L   | L82052-01 | 8/7/2023  |  |
| 301 | 7/27/2023 | TWENTYMILE COAL COMPANY | GRAB | Carbonate as CO3                 | < 20      | mg/L   | L82052-01 | 8/2/2023  |  |

|     |           |                         |      |                               |          |        |           |           |  |
|-----|-----------|-------------------------|------|-------------------------------|----------|--------|-----------|-----------|--|
| 301 | 7/27/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                          | 25.46    | cfs    |           | 7/27/2023 |  |
| 301 | 7/27/2023 | TWENTYMILE COAL COMPANY | GRAB | Hydroxide as OH               | < 20     | mg/L   | L82052-01 | 8/2/2023  |  |
| 301 | 7/27/2023 | TWENTYMILE COAL COMPANY | GRAB | Indication Oil and Grease     | N        | Y/N    |           | 7/27/2023 |  |
| 301 | 7/27/2023 | TWENTYMILE COAL COMPANY | GRAB | Iron, Total Recoverable       | 0.567    | mg/L   | L82052-01 | 8/3/2023  |  |
| 301 | 7/27/2023 | TWENTYMILE COAL COMPANY | GRAB | Magnesium, Dissolved          | 29.4     | mg/L   | L82052-01 | 8/7/2023  |  |
| 301 | 7/27/2023 | TWENTYMILE COAL COMPANY | GRAB | Manganese, Total Recoverable  | 0.047    | mg/L   | L82052-01 | 8/3/2023  |  |
| 301 | 7/27/2023 | TWENTYMILE COAL COMPANY | GRAB | Mercury, Total                | < 0.001  | mg/L   | L82052-01 | 7/31/2023 |  |
| 301 | 7/27/2023 | TWENTYMILE COAL COMPANY | GRAB | Molybdenum, Total Recoverable | < 0.1    | mg/L   | L82052-01 | 8/3/2023  |  |
| 301 | 7/27/2023 | TWENTYMILE COAL COMPANY | GRAB | NO3-NO2 Nitrogen              | < 0.1    | mg/L   | L82052-01 | 8/5/2023  |  |
| 301 | 7/27/2023 | TWENTYMILE COAL COMPANY | GRAB | pH Temperature                | 23.3     | Deg C  | L82052-01 | 8/2/2023  |  |
| 301 | 7/27/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                     | 8.2      | S.U.   | L82052-01 | 7/27/2023 |  |
| 301 | 7/27/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                       | 8.2      | S.U.   | L82052-01 | 8/2/2023  |  |
| 301 | 7/27/2023 | TWENTYMILE COAL COMPANY | GRAB | Phosphorus, Orthophosphorus   | 0.03     | mg/L   | L82052-01 | 7/29/2023 |  |
| 301 | 7/27/2023 | TWENTYMILE COAL COMPANY | GRAB | Selenium, Total Recoverable   | 0.00012  | mg/L   | L82052-01 | 8/7/2023  |  |
| 301 | 7/27/2023 | TWENTYMILE COAL COMPANY | GRAB | Silver, Total Recoverable     | < 0.0005 | mg/L   | L82052-01 | 8/9/2023  |  |
| 301 | 7/27/2023 | TWENTYMILE COAL COMPANY | GRAB | Sodium, Dissolved             | 7.04     | mg/L   | L82052-01 | 8/7/2023  |  |
| 301 | 7/27/2023 | TWENTYMILE COAL COMPANY | GRAB | Sodium Adsorption Ratio       | 0.19     | RATIO  | L82052-01 | 8/29/2023 |  |
| 301 | 7/27/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended       | 10       | mg/L   | L82052-01 | 8/1/2023  |  |
| 301 | 7/27/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field  | 510      | ums/cm | L82052-01 | 7/27/2023 |  |
| 301 | 7/27/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Lab    | 521      | ums/cm | L82052-01 | 8/4/2023  |  |
| 301 | 7/27/2023 | TWENTYMILE COAL COMPANY | GRAB | Sulfates                      | 222      | mg/L   | L82052-01 | 8/24/2023 |  |
| 301 | 7/27/2023 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field            | 19.2     | Deg C  | L82052-01 | 7/27/2023 |  |
| 301 | 7/27/2023 | TWENTYMILE COAL COMPANY | GRAB | Total Dissolved Solids, Lab   | 348      | mg/L   | L82052-01 | 8/1/2023  |  |
| 301 | 7/27/2023 | TWENTYMILE COAL COMPANY | GRAB | Zinc, Total Recoverable       | < 0.05   | mg/L   | L82052-01 | 8/3/2023  |  |
| 301 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Alkalinity as CaCO3, @ pH 4.5 | 155      | mg/L   | L82518-02 | 8/24/2023 |  |

|     |           |                         |      |                                              |           |       |           |           |  |
|-----|-----------|-------------------------|------|----------------------------------------------|-----------|-------|-----------|-----------|--|
| 301 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Alkalinity, Bicarbonate as CaCO <sub>3</sub> | 155       | mg/L  | L82518-02 | 8/24/2023 |  |
| 301 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Alkalinity, Carbonate as CaCO <sub>3</sub>   | < 20      | mg/L  | L82518-02 | 8/24/2023 |  |
| 301 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Alkalinity, Hydroxide as CaCO <sub>3</sub>   | < 20      | mg/L  | L82518-02 | 8/24/2023 |  |
| 301 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Ammonia Nitrogen                             | < 0.2     | mg/L  | L82518-02 | 8/24/2023 |  |
| 301 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Bicarbonate as HCO <sub>3</sub>              | 189       | mg/L  | L82518-02 | 8/24/2023 |  |
| 301 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Cadmium, Total Recoverable                   | < 0.00025 | mg/L  | L82518-02 | 8/24/2023 |  |
| 301 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Calcium, Dissolved                           | 51.2      | mg/L  | L82518-02 | 8/25/2023 |  |
| 301 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Carbonate as CO <sub>3</sub>                 | < 20      | mg/L  | L82518-02 | 8/24/2023 |  |
| 301 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                                         | 22.63     | cfs   |           | 8/17/2023 |  |
| 301 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Hydroxide as OH                              | < 20      | mg/L  | L82518-02 | 8/24/2023 |  |
| 301 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Indication Oil and Grease                    | N         | Y/N   |           | 8/17/2023 |  |
| 301 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Iron, Total Recoverable                      | 0.493     | mg/L  | L82518-02 | 8/30/2023 |  |
| 301 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Magnesium, Dissolved                         | 25.1      | mg/L  | L82518-02 | 8/25/2023 |  |
| 301 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Manganese, Total Recoverable                 | 0.041     | mg/L  | L82518-02 | 8/30/2023 |  |
| 301 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Mercury, Total                               | < 0.001   | mg/L  | L82518-02 | 8/22/2023 |  |
| 301 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Molybdenum, Total Recoverable                | < 0.1     | mg/L  | L82518-02 | 8/30/2023 |  |
| 301 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | NO <sub>3</sub> -NO <sub>2</sub> Nitrogen    | < 0.1     | mg/L  | L82518-02 | 8/25/2023 |  |
| 301 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | pH Temperature                               | 23.2      | Deg C | L82518-02 | 8/24/2023 |  |
| 301 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                                      | 8.1       | S.U.  | L82518-02 | 8/24/2023 |  |
| 301 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Phosphorus, Orthophosphorus                  | 0.021     | mg/L  | L82518-02 | 8/18/2023 |  |
| 301 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Selenium, Total Recoverable                  | 0.00011   | mg/L  | L82518-02 | 8/24/2023 |  |
| 301 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Silver, Total Recoverable                    | < 0.0005  | mg/L  | L82518-02 | 8/24/2023 |  |
| 301 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Sodium, Dissolved                            | 6.74      | mg/L  | L82518-02 | 8/25/2023 |  |
| 301 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Sodium Adsorption Ratio                      | 0.2       | RATIO | L82518-02 | 9/19/2023 |  |
| 301 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended                      | 5         | mg/L  | L82518-02 | 8/23/2023 |  |



|     |           |                         |      |                                              |           |        |           |           |  |
|-----|-----------|-------------------------|------|----------------------------------------------|-----------|--------|-----------|-----------|--|
| 301 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Lab                   | 470       | ums/cm | L82518-02 | 8/24/2023 |  |
| 301 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Sulfates                                     | 108       | mg/L   | L82518-02 | 8/24/2023 |  |
| 301 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Total Dissolved Solids, Lab                  | 300       | mg/L   | L82518-02 | 8/23/2023 |  |
| 301 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Zinc, Total Recoverable                      | < 0.05    | mg/L   | L82518-02 | 8/30/2023 |  |
| 301 | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Flow                                         | 21.93     | cfs    |           | 9/6/2023  |  |
| 301 | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Indication Oil and Grease                    | N         | Y/N    |           | 9/6/2023  |  |
| 302 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Alkalinity as CaCO <sub>3</sub> , @ pH 4.5   | 273       | mg/L   | L82518-01 | 8/24/2023 |  |
| 302 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Alkalinity, Bicarbonate as CaCO <sub>3</sub> | 263       | mg/L   | L82518-01 | 8/24/2023 |  |
| 302 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Alkalinity, Carbonate as CaCO <sub>3</sub>   | 9.8       | mg/L   | L82518-01 | 8/24/2023 |  |
| 302 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Alkalinity, Hydroxide as CaCO <sub>3</sub>   | < 20      | mg/L   | L82518-01 | 8/24/2023 |  |
| 302 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Ammonia Nitrogen                             | < 0.2     | mg/L   | L82518-01 | 8/24/2023 |  |
| 302 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Bicarbonate as HCO <sub>3</sub>              | 321       | mg/L   | L82518-01 | 8/24/2023 |  |
| 302 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Cadmium, Total Recoverable                   | < 0.00025 | mg/L   | L82518-01 | 8/24/2023 |  |
| 302 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Calcium, Dissolved                           | 79.6      | mg/L   | L82518-01 | 8/25/2023 |  |
| 302 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Carbonate as CO <sub>3</sub>                 | 5.9       | mg/L   | L82518-01 | 8/24/2023 |  |
| 302 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                                         | 3.43      | cfs    |           | 8/17/2023 |  |
| 302 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Hydroxide as OH                              | < 20      | mg/L   | L82518-01 | 8/24/2023 |  |
| 302 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Indication Oil and Grease                    | N         | Y/N    |           | 8/17/2023 |  |
| 302 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Iron, Total Recoverable                      | 0.149     | mg/L   | L82518-01 | 8/30/2023 |  |
| 302 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Magnesium, Dissolved                         | 51.6      | mg/L   | L82518-01 | 8/25/2023 |  |
| 302 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Manganese, Total Recoverable                 | 0.05      | mg/L   | L82518-01 | 8/30/2023 |  |
| 302 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Mercury, Total                               | < 0.001   | mg/L   | L82518-01 | 8/22/2023 |  |
| 302 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Molybdenum, Total Recoverable                | < 0.1     | mg/L   | L82518-01 | 8/30/2023 |  |
| 302 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | NO <sub>3</sub> -NO <sub>2</sub> Nitrogen    | < 0.1     | mg/L   | L82518-01 | 8/25/2023 |  |
| 302 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | pH Temperature                               | 23.2      | Deg C  | L82518-01 | 8/24/2023 |  |

|     |           |                         |      |                                              |           |        |           |           |  |
|-----|-----------|-------------------------|------|----------------------------------------------|-----------|--------|-----------|-----------|--|
| 302 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                                      | 8.3       | S.U.   | L82518-01 | 8/24/2023 |  |
| 302 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Phosphorus, Orthophosphorus                  | < 0.05    | mg/L   | L82518-01 | 8/18/2023 |  |
| 302 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Selenium, Total Recoverable                  | 0.00032   | mg/L   | L82518-01 | 8/24/2023 |  |
| 302 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Silver, Total Recoverable                    | < 0.0005  | mg/L   | L82518-01 | 8/24/2023 |  |
| 302 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Sodium, Dissolved                            | 39.3      | mg/L   | L82518-01 | 8/25/2023 |  |
| 302 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Sodium Adsorption Ratio                      | 0.85      | RATIO  | L82518-01 | 9/19/2023 |  |
| 302 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended                      | 10        | mg/L   | L82518-01 | 8/23/2023 |  |
| 302 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Lab                   | 889       | ums/cm | L82518-01 | 8/24/2023 |  |
| 302 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Sulfates                                     | 212       | mg/L   | L82518-01 | 8/24/2023 |  |
| 302 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Total Dissolved Solids, Lab                  | 598       | mg/L   | L82518-01 | 8/23/2023 |  |
| 302 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Zinc, Total Recoverable                      | < 0.05    | mg/L   | L82518-01 | 8/30/2023 |  |
| 305 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Alkalinity as CaCO <sub>3</sub> , @ pH 4.5   | 259       | mg/L   | L81472-10 | 7/11/2023 |  |
| 305 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Alkalinity, Bicarbonate as CaCO <sub>3</sub> | 228       | mg/L   | L81472-10 | 7/11/2023 |  |
| 305 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Alkalinity, Carbonate as CaCO <sub>3</sub>   | 31        | mg/L   | L81472-10 | 7/11/2023 |  |
| 305 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Alkalinity, Hydroxide as CaCO <sub>3</sub>   | < 20      | mg/L   | L81472-10 | 7/11/2023 |  |
| 305 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Ammonia Nitrogen                             | < 0.2     | mg/L   | L81472-10 | 7/10/2023 |  |
| 305 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Bicarbonate as HCO <sub>3</sub>              | 278       | mg/L   | L81472-10 | 7/11/2023 |  |
| 305 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Cadmium, Total Recoverable                   | < 0.00025 | mg/L   | L81472-10 | 7/10/2023 |  |
| 305 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Calcium, Dissolved                           | 87.6      | mg/L   | L81472-10 | 7/13/2023 |  |
| 305 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Carbonate as CO <sub>3</sub>                 | 18.6      | mg/L   | L81472-10 | 7/11/2023 |  |
| 305 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                                         | 10.72     | cfs    |           | 6/29/2023 |  |
| 305 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Hydroxide as OH                              | < 20      | mg/L   | L81472-10 | 7/11/2023 |  |
| 305 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Indication Oil and Grease                    | N         | Y/N    |           | 6/29/2023 |  |
| 305 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Iron, Total Recoverable                      | 0.489     | mg/L   | L81472-10 | 7/8/2023  |  |
| 305 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Magnesium, Dissolved                         | 46.9      | mg/L   | L81472-10 | 7/13/2023 |  |

|     |           |                         |      |                                  |          |        |           |           |  |
|-----|-----------|-------------------------|------|----------------------------------|----------|--------|-----------|-----------|--|
| 305 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Manganese, Total Recoverable     | 0.041    | mg/L   | L81472-10 | 7/8/2023  |  |
| 305 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Mercury, Total                   | < 0.001  | mg/L   | L81472-10 | 7/6/2023  |  |
| 305 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Molybdenum, Total Recoverable    | < 0.1    | mg/L   | L81472-10 | 7/8/2023  |  |
| 305 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | NO3-NO2 Nitrogen                 | < 0.1    | mg/L   | L81472-10 | 7/9/2023  |  |
| 305 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | pH Temperature                   | 23.6     | Deg C  | L81472-10 | 7/20/2023 |  |
| 305 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                        | 8.4      | S.U.   | L81472-10 | 6/29/2023 |  |
| 305 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                          | 8.5      | S.U.   | L81472-10 | 7/20/2023 |  |
| 305 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Phosphorus, Orthophosphorus      | 0.012    | mg/L   | L81472-10 | 6/30/2023 |  |
| 305 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Selenium, Total Recoverable      | 0.00058  | mg/L   | L81472-10 | 7/10/2023 |  |
| 305 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Silver, Total Recoverable        | < 0.0005 | mg/L   | L81472-10 | 7/12/2023 |  |
| 305 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Sodium, Dissolved                | 39.3     | mg/L   | L81472-10 | 7/13/2023 |  |
| 305 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Sodium Adsorption Ratio          | 0.85     | RATIO  | L81472-10 | 7/27/2023 |  |
| 305 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended          | 17       | mg/L   | L81472-10 | 7/13/2023 |  |
| 305 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field     | 750      | ums/cm | L81472-10 | 6/29/2023 |  |
| 305 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Lab       | 819      | ums/cm | L81472-10 | 7/11/2023 |  |
| 305 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Sulfates                         | 189      | mg/L   | L81472-10 | 7/20/2023 |  |
| 305 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field               | 26       | Deg C  | L81472-10 | 6/29/2023 |  |
| 305 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Total Dissolved Solids, Lab      | 562      | mg/L   | L81472-10 | 7/5/2023  |  |
| 305 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Zinc, Total Recoverable          | < 0.05   | mg/L   | L81472-10 | 7/8/2023  |  |
| 305 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Alkalinity as CaCO3, @ pH 4.5    | 246      | mg/L   | L82518-04 | 8/24/2023 |  |
| 305 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Alkalinity, Bicarbonate as CaCO3 | 230      | mg/L   | L82518-04 | 8/24/2023 |  |
| 305 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Alkalinity, Carbonate as CaCO3   | 15.4     | mg/L   | L82518-04 | 8/24/2023 |  |
| 305 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Alkalinity, Hydroxide as CaCO3   | < 20     | mg/L   | L82518-04 | 8/24/2023 |  |
| 305 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Ammonia Nitrogen                 | < 0.2    | mg/L   | L82518-04 | 8/24/2023 |  |
| 305 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Bicarbonate as HCO3              | 281      | mg/L   | L82518-04 | 8/24/2023 |  |

|     |           |                         |      |                                            |           |        |           |           |  |
|-----|-----------|-------------------------|------|--------------------------------------------|-----------|--------|-----------|-----------|--|
| 305 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Cadmium, Total Recoverable                 | < 0.00025 | mg/L   | L82518-04 | 8/24/2023 |  |
| 305 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Calcium, Dissolved                         | 64.5      | mg/L   | L82518-04 | 8/25/2023 |  |
| 305 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Carbonate as CO <sub>3</sub>               | 9.2       | mg/L   | L82518-04 | 8/24/2023 |  |
| 305 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                                       | 1.07      | cfs    |           | 8/17/2023 |  |
| 305 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Hydroxide as OH                            | < 20      | mg/L   | L82518-04 | 8/24/2023 |  |
| 305 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Indication Oil and Grease                  | N         | Y/N    |           | 8/17/2023 |  |
| 305 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Iron, Total Recoverable                    | 0.625     | mg/L   | L82518-04 | 8/30/2023 |  |
| 305 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Magnesium, Dissolved                       | 53.7      | mg/L   | L82518-04 | 8/25/2023 |  |
| 305 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Manganese, Total Recoverable               | 0.044     | mg/L   | L82518-04 | 8/30/2023 |  |
| 305 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Mercury, Total                             | < 0.001   | mg/L   | L82518-04 | 8/22/2023 |  |
| 305 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Molybdenum, Total Recoverable              | < 0.1     | mg/L   | L82518-04 | 8/30/2023 |  |
| 305 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | NO <sub>3</sub> -NO <sub>2</sub> Nitrogen  | 0.036     | mg/L   | L82518-04 | 8/25/2023 |  |
| 305 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | pH Temperature                             | 22.9      | Deg C  | L82518-04 | 8/24/2023 |  |
| 305 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                                    | 8.4       | S.U.   | L82518-04 | 8/24/2023 |  |
| 305 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Phosphorus, Orthophosphorus                | < 0.05    | mg/L   | L82518-04 | 8/18/2023 |  |
| 305 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Selenium, Total Recoverable                | 0.0004    | mg/L   | L82518-04 | 8/24/2023 |  |
| 305 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Silver, Total Recoverable                  | < 0.0005  | mg/L   | L82518-04 | 8/24/2023 |  |
| 305 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Sodium, Dissolved                          | 41.4      | mg/L   | L82518-04 | 8/25/2023 |  |
| 305 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Sodium Adsorption Ratio                    | 0.93      | RATIO  | L82518-04 | 9/19/2023 |  |
| 305 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended                    | 17        | mg/L   | L82518-04 | 8/23/2023 |  |
| 305 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Lab                 | 859       | ums/cm | L82518-04 | 8/24/2023 |  |
| 305 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Sulfates                                   | 235       | mg/L   | L82518-04 | 8/24/2023 |  |
| 305 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Total Dissolved Solids, Lab                | 576       | mg/L   | L82518-04 | 8/23/2023 |  |
| 305 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Zinc, Total Recoverable                    | < 0.05    | mg/L   | L82518-04 | 8/30/2023 |  |
| 69  | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Alkalinity as CaCO <sub>3</sub> , @ pH 4.5 | 173       | mg/L   | L79931-09 | 4/29/2023 |  |

|    |           |                         |      |                                              |          |       |           |           |  |
|----|-----------|-------------------------|------|----------------------------------------------|----------|-------|-----------|-----------|--|
| 69 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Alkalinity, Bicarbonate as CaCO <sub>3</sub> | 171      | mg/L  | L79931-09 | 4/29/2023 |  |
| 69 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Alkalinity, Carbonate as CaCO <sub>3</sub>   | 2        | mg/L  | L79931-09 | 4/29/2023 |  |
| 69 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Alkalinity, Hydroxide as CaCO <sub>3</sub>   | < 20     | mg/L  | L79931-09 | 4/29/2023 |  |
| 69 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Ammonia Nitrogen                             | < 0.2    | mg/L  | L79931-09 | 4/20/2023 |  |
| 69 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Bicarbonate as HCO <sub>3</sub>              | 209      | mg/L  | L79931-09 | 4/29/2023 |  |
| 69 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Cadmium, Total Recoverable                   | 0.000084 | mg/L  | L79931-09 | 4/26/2023 |  |
| 69 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Calcium, Dissolved                           | 86.7     | mg/L  | L79931-09 | 4/28/2023 |  |
| 69 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Carbonate as CO <sub>3</sub>                 | < 20     | mg/L  | L79931-09 | 4/29/2023 |  |
| 69 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                                         | 205.4    | cfs   |           | 4/17/2023 |  |
| 69 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Hydroxide as OH                              | < 20     | mg/L  | L79931-09 | 4/29/2023 |  |
| 69 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Indication Oil and Grease                    | N        | Y/N   |           | 4/17/2023 |  |
| 69 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Iron, Total Recoverable                      | 3.6      | mg/L  | L79931-09 | 4/27/2023 |  |
| 69 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Magnesium, Dissolved                         | 53.5     | mg/L  | L79931-09 | 4/28/2023 |  |
| 69 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Manganese, Total Recoverable                 | 0.198    | mg/L  | L79931-09 | 4/27/2023 |  |
| 69 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Mercury, Total                               | < 0.001  | mg/L  | L79931-09 | 4/25/2023 |  |
| 69 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Molybdenum, Total Recoverable                | < 0.1    | mg/L  | L79931-09 | 4/27/2023 |  |
| 69 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | NO <sub>3</sub> -NO <sub>2</sub> Nitrogen    | 0.611    | mg/L  | L79931-09 | 4/28/2023 |  |
| 69 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | pH Temperature                               | 21.8     | Deg C | L79931-09 | 4/29/2023 |  |
| 69 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                                    | 8.2      | S.U.  | L79931-09 | 4/17/2023 |  |
| 69 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                                      | 8.3      | S.U.  | L79931-09 | 4/29/2023 |  |
| 69 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Phosphorus, Orthophosphorus                  | 0.068    | mg/L  | L79931-09 | 4/19/2023 |  |
| 69 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Selenium, Total Recoverable                  | 0.00148  | mg/L  | L79931-09 | 4/26/2023 |  |
| 69 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Silver, Total Recoverable                    | < 0.0005 | mg/L  | L79931-09 | 4/26/2023 |  |
| 69 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Sodium, Dissolved                            | 71.7     | mg/L  | L79931-09 | 4/28/2023 |  |
| 69 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Sodium Adsorption Ratio                      | 1.5      | RATIO | L79931-09 | 5/18/2023 |  |

|    |           |                         |      |                                              |           |          |           |           |  |
|----|-----------|-------------------------|------|----------------------------------------------|-----------|----------|-----------|-----------|--|
| 69 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended                      | 150       | mg/L     | L79931-09 | 4/24/2023 |  |
| 69 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field                 | 930       | ums/cm   | L79931-09 | 4/17/2023 |  |
| 69 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Lab                   | 1090      | ums/cm   | L79931-09 | 4/29/2023 |  |
| 69 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Sulfates                                     | 394       | mg/L     | L79931-09 | 5/15/2023 |  |
| 69 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field                           | 12.5      | Deg C    | L79931-09 | 4/17/2023 |  |
| 69 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Total Dissolved Solids, Lab                  | 816       | mg/L     | L79931-09 | 4/22/2023 |  |
| 69 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Zinc, Total Recoverable                      | < 0.05    | mg/L     | L79931-09 | 4/27/2023 |  |
| 69 | 5/25/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                                         | 233.45    | cfs      |           | 5/25/2023 |  |
| 69 | 5/25/2023 | TWENTYMILE COAL COMPANY | GRAB | Indication Oil and Grease                    | N         | Y/N      |           | 5/25/2023 |  |
| 69 | 5/25/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                                    | 8         | S.U.     |           | 5/25/2023 |  |
| 69 | 5/25/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field                 | 590       | UMHOS/CM |           | 5/25/2023 |  |
| 69 | 5/25/2023 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field                           | 12.9      | Deg C    |           | 5/25/2023 |  |
| 69 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Alkalinity as CaCO <sub>3</sub> , @ pH 4.5   | 106       | mg/L     | L81472-13 | 7/11/2023 |  |
| 69 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Alkalinity, Bicarbonate as CaCO <sub>3</sub> | 99        | mg/L     | L81472-13 | 7/11/2023 |  |
| 69 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Alkalinity, Carbonate as CaCO <sub>3</sub>   | 7         | mg/L     | L81472-13 | 7/11/2023 |  |
| 69 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Alkalinity, Hydroxide as CaCO <sub>3</sub>   | < 20      | mg/L     | L81472-13 | 7/11/2023 |  |
| 69 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Ammonia Nitrogen                             | < 0.2     | mg/L     | L81472-13 | 7/10/2023 |  |
| 69 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Bicarbonate as HCO <sub>3</sub>              | 121       | mg/L     | L81472-13 | 7/11/2023 |  |
| 69 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Cadmium, Total Recoverable                   | < 0.00025 | mg/L     | L81472-13 | 7/10/2023 |  |
| 69 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Calcium, Dissolved                           | 47.3      | mg/L     | L81472-13 | 7/13/2023 |  |
| 69 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Carbonate as CO <sub>3</sub>                 | 4.2       | mg/L     | L81472-13 | 7/11/2023 |  |
| 69 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                                         | 74.06     | cfs      |           | 6/29/2023 |  |
| 69 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Hydroxide as OH                              | < 20      | mg/L     | L81472-13 | 7/11/2023 |  |
| 69 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Indication Oil and Grease                    | N         | Y/N      |           | 6/29/2023 |  |
| 69 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Iron, Total Recoverable                      | 0.735     | mg/L     | L81472-13 | 7/8/2023  |  |

|    |           |                         |      |                                  |          |        |           |           |  |
|----|-----------|-------------------------|------|----------------------------------|----------|--------|-----------|-----------|--|
| 69 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Magnesium, Dissolved             | 28.8     | mg/L   | L81472-13 | 7/13/2023 |  |
| 69 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Manganese, Total Recoverable     | 0.049    | mg/L   | L81472-13 | 7/8/2023  |  |
| 69 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Mercury, Total                   | < 0.001  | mg/L   | L81472-13 | 7/6/2023  |  |
| 69 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Molybdenum, Total Recoverable    | < 0.1    | mg/L   | L81472-13 | 7/8/2023  |  |
| 69 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | NO3-NO2 Nitrogen                 | < 0.1    | mg/L   | L81472-13 | 7/9/2023  |  |
| 69 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | pH Temperature                   | 23.6     | Deg C  | L81472-13 | 7/20/2023 |  |
| 69 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                        | 8.2      | S.U.   | L81472-13 | 6/29/2023 |  |
| 69 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                          | 8.3      | S.U.   | L81472-13 | 7/20/2023 |  |
| 69 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Phosphorus, Orthophosphorus      | 0.03     | mg/L   | L81472-13 | 6/30/2023 |  |
| 69 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Selenium, Total Recoverable      | 0.00017  | mg/L   | L81472-13 | 7/10/2023 |  |
| 69 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Silver, Total Recoverable        | < 0.0005 | mg/L   | L81472-13 | 7/12/2023 |  |
| 69 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Sodium, Dissolved                | 17.7     | mg/L   | L81472-13 | 7/13/2023 |  |
| 69 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Sodium Adsorption Ratio          | 0.51     | RATIO  | L81472-13 | 7/27/2023 |  |
| 69 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended          | 23       | mg/L   | L81472-13 | 7/13/2023 |  |
| 69 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field     | 440      | ums/cm | L81472-13 | 6/29/2023 |  |
| 69 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Lab       | 496      | ums/cm | L81472-13 | 7/11/2023 |  |
| 69 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Sulfates                         | 153      | mg/L   | L81472-13 | 7/20/2023 |  |
| 69 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field               | 23       | Deg C  | L81472-13 | 6/29/2023 |  |
| 69 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Total Dissolved Solids, Lab      | 340      | mg/L   | L81472-13 | 7/5/2023  |  |
| 69 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Zinc, Total Recoverable          | < 0.05   | mg/L   | L81472-13 | 7/8/2023  |  |
| 69 | 7/27/2023 | TWENTYMILE COAL COMPANY | GRAB | Alkalinity as CaCO3, @ pH 4.5    | 186      | mg/L   | L82052-02 | 8/2/2023  |  |
| 69 | 7/27/2023 | TWENTYMILE COAL COMPANY | GRAB | Alkalinity, Bicarbonate as CaCO3 | 176      | mg/L   | L82052-02 | 8/2/2023  |  |
| 69 | 7/27/2023 | TWENTYMILE COAL COMPANY | GRAB | Alkalinity, Carbonate as CaCO3   | 9.7      | mg/L   | L82052-02 | 8/2/2023  |  |
| 69 | 7/27/2023 | TWENTYMILE COAL COMPANY | GRAB | Alkalinity, Hydroxide as CaCO3   | < 20     | mg/L   | L82052-02 | 8/2/2023  |  |
| 69 | 7/27/2023 | TWENTYMILE COAL COMPANY | GRAB | Ammonia Nitrogen                 | < 0.2    | mg/L   | L82052-02 | 8/1/2023  |  |

|    |           |                         |      |                                           |           |        |           |           |  |
|----|-----------|-------------------------|------|-------------------------------------------|-----------|--------|-----------|-----------|--|
| 69 | 7/27/2023 | TWENTYMILE COAL COMPANY | GRAB | Bicarbonate as HCO <sub>3</sub>           | 215       | mg/L   | L82052-02 | 8/2/2023  |  |
| 69 | 7/27/2023 | TWENTYMILE COAL COMPANY | GRAB | Cadmium, Total Recoverable                | < 0.00025 | mg/L   | L82052-02 | 8/7/2023  |  |
| 69 | 7/27/2023 | TWENTYMILE COAL COMPANY | GRAB | Calcium, Dissolved                        | 70.3      | mg/L   | L82052-02 | 8/7/2023  |  |
| 69 | 7/27/2023 | TWENTYMILE COAL COMPANY | GRAB | Carbonate as CO <sub>3</sub>              | 5.8       | mg/L   | L82052-02 | 8/2/2023  |  |
| 69 | 7/27/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                                      | 23.03     | cfs    |           | 7/27/2023 |  |
| 69 | 7/27/2023 | TWENTYMILE COAL COMPANY | GRAB | Hydroxide as OH                           | < 20      | mg/L   | L82052-02 | 8/2/2023  |  |
| 69 | 7/27/2023 | TWENTYMILE COAL COMPANY | GRAB | Indication Oil and Grease                 | N         | Y/N    |           | 7/27/2023 |  |
| 69 | 7/27/2023 | TWENTYMILE COAL COMPANY | GRAB | Iron, Total Recoverable                   | 0.375     | mg/L   | L82052-02 | 8/3/2023  |  |
| 69 | 7/27/2023 | TWENTYMILE COAL COMPANY | GRAB | Magnesium, Dissolved                      | 42.2      | mg/L   | L82052-02 | 8/7/2023  |  |
| 69 | 7/27/2023 | TWENTYMILE COAL COMPANY | GRAB | Manganese, Total Recoverable              | 0.065     | mg/L   | L82052-02 | 8/3/2023  |  |
| 69 | 7/27/2023 | TWENTYMILE COAL COMPANY | GRAB | Mercury, Total                            | < 0.001   | mg/L   | L82052-02 | 7/31/2023 |  |
| 69 | 7/27/2023 | TWENTYMILE COAL COMPANY | GRAB | Molybdenum, Total Recoverable             | < 0.1     | mg/L   | L82052-02 | 8/3/2023  |  |
| 69 | 7/27/2023 | TWENTYMILE COAL COMPANY | GRAB | NO <sub>3</sub> -NO <sub>2</sub> Nitrogen | < 0.1     | mg/L   | L82052-02 | 8/5/2023  |  |
| 69 | 7/27/2023 | TWENTYMILE COAL COMPANY | GRAB | pH Temperature                            | 22.8      | Deg C  | L82052-02 | 8/2/2023  |  |
| 69 | 7/27/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                                 | 8.2       | S.U.   | L82052-02 | 7/27/2023 |  |
| 69 | 7/27/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                                   | 8.4       | S.U.   | L82052-02 | 8/2/2023  |  |
| 69 | 7/27/2023 | TWENTYMILE COAL COMPANY | GRAB | Phosphorus, Orthophosphorus               | 0.021     | mg/L   | L82052-02 | 7/29/2023 |  |
| 69 | 7/27/2023 | TWENTYMILE COAL COMPANY | GRAB | Selenium, Total Recoverable               | 0.00015   | mg/L   | L82052-02 | 8/7/2023  |  |
| 69 | 7/27/2023 | TWENTYMILE COAL COMPANY | GRAB | Silver, Total Recoverable                 | < 0.0005  | mg/L   | L82052-02 | 8/9/2023  |  |
| 69 | 7/27/2023 | TWENTYMILE COAL COMPANY | GRAB | Sodium, Dissolved                         | 28.9      | mg/L   | L82052-02 | 8/7/2023  |  |
| 69 | 7/27/2023 | TWENTYMILE COAL COMPANY | GRAB | Sodium Adsorption Ratio                   | 0.68      | RATIO  | L82052-02 | 8/29/2023 |  |
| 69 | 7/27/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended                   | 8         | mg/L   | L82052-02 | 8/1/2023  |  |
| 69 | 7/27/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field              | 690       | ums/cm | L82052-02 | 7/27/2023 |  |
| 69 | 7/27/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Lab                | 747       | ums/cm | L82052-02 | 8/4/2023  |  |
| 69 | 7/27/2023 | TWENTYMILE COAL COMPANY | GRAB | Sulfates                                  | 240       | mg/L   | L82052-02 | 8/24/2023 |  |



|    |           |                         |      |                                              |           |       |           |           |  |
|----|-----------|-------------------------|------|----------------------------------------------|-----------|-------|-----------|-----------|--|
| 69 | 7/27/2023 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field                           | 22.1      | Deg C | L82052-02 | 7/27/2023 |  |
| 69 | 7/27/2023 | TWENTYMILE COAL COMPANY | GRAB | Total Dissolved Solids, Lab                  | 520       | mg/L  | L82052-02 | 8/1/2023  |  |
| 69 | 7/27/2023 | TWENTYMILE COAL COMPANY | GRAB | Zinc, Total Recoverable                      | < 0.05    | mg/L  | L82052-02 | 8/3/2023  |  |
| 69 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Alkalinity as CaCO <sub>3</sub> , @ pH 4.5   | 156       | mg/L  | L82518-07 | 8/24/2023 |  |
| 69 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Alkalinity, Bicarbonate as CaCO <sub>3</sub> | 144       | mg/L  | L82518-07 | 8/24/2023 |  |
| 69 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Alkalinity, Carbonate as CaCO <sub>3</sub>   | 11.4      | mg/L  | L82518-07 | 8/24/2023 |  |
| 69 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Alkalinity, Hydroxide as CaCO <sub>3</sub>   | < 20      | mg/L  | L82518-07 | 8/24/2023 |  |
| 69 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Ammonia Nitrogen                             | < 0.2     | mg/L  | L82518-07 | 8/24/2023 |  |
| 69 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Bicarbonate as HCO <sub>3</sub>              | 176       | mg/L  | L82518-07 | 8/24/2023 |  |
| 69 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Cadmium, Total Recoverable                   | < 0.00025 | mg/L  | L82518-07 | 8/24/2023 |  |
| 69 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Calcium, Dissolved                           | 56.2      | mg/L  | L82518-07 | 8/25/2023 |  |
| 69 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Carbonate as CO <sub>3</sub>                 | 6.9       | mg/L  | L82518-07 | 8/24/2023 |  |
| 69 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                                         | 30.5      | cfs   |           | 8/17/2023 |  |
| 69 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Hydroxide as OH                              | < 20      | mg/L  | L82518-07 | 8/24/2023 |  |
| 69 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Indication Oil and Grease                    | N         | Y/N   |           | 8/17/2023 |  |
| 69 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Iron, Total Recoverable                      | 0.574     | mg/L  | L82518-07 | 8/30/2023 |  |
| 69 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Magnesium, Dissolved                         | 30.8      | mg/L  | L82518-07 | 8/25/2023 |  |
| 69 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Manganese, Total Recoverable                 | 0.041     | mg/L  | L82518-07 | 8/30/2023 |  |
| 69 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Mercury, Total                               | < 0.001   | mg/L  | L82518-07 | 8/22/2023 |  |
| 69 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Molybdenum, Total Recoverable                | < 0.1     | mg/L  | L82518-07 | 8/30/2023 |  |
| 69 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | NO <sub>3</sub> -NO <sub>2</sub> Nitrogen    | < 0.1     | mg/L  | L82518-07 | 8/25/2023 |  |
| 69 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | pH Temperature                               | 22.7      | Deg C | L82518-07 | 8/24/2023 |  |
| 69 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                                      | 8.4       | S.U.  | L82518-07 | 8/24/2023 |  |
| 69 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Phosphorus, Orthophosphorus                  | 0.017     | mg/L  | L82518-07 | 8/18/2023 |  |
| 69 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Selenium, Total Recoverable                  | 0.00014   | mg/L  | L82518-07 | 8/24/2023 |  |

|    |           |                         |      |                                              |           |        |           |           |  |
|----|-----------|-------------------------|------|----------------------------------------------|-----------|--------|-----------|-----------|--|
| 69 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Silver, Total Recoverable                    | < 0.0005  | mg/L   | L82518-07 | 8/24/2023 |  |
| 69 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Sodium, Dissolved                            | 12.5      | mg/L   | L82518-07 | 8/25/2023 |  |
| 69 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Sodium Adsorption Ratio                      | 0.34      | RATIO  | L82518-07 | 9/19/2023 |  |
| 69 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended                      | 9         | mg/L   | L82518-07 | 8/23/2023 |  |
| 69 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Lab                   | 553       | ums/cm | L82518-07 | 8/24/2023 |  |
| 69 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Sulfates                                     | 141       | mg/L   | L82518-07 | 8/24/2023 |  |
| 69 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Total Dissolved Solids, Lab                  | 362       | mg/L   | L82518-07 | 8/23/2023 |  |
| 69 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Zinc, Total Recoverable                      | < 0.05    | mg/L   | L82518-07 | 8/30/2023 |  |
| 69 | 9/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Alkalinity as CaCO <sub>3</sub> , @ pH 4.5   | 153       | mg/L   | L82935-08 | 9/9/2023  |  |
| 69 | 9/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Alkalinity, Bicarbonate as CaCO <sub>3</sub> | 153       | mg/L   | L82935-08 | 9/9/2023  |  |
| 69 | 9/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Alkalinity, Carbonate as CaCO <sub>3</sub>   | < 20      | mg/L   | L82935-08 | 9/9/2023  |  |
| 69 | 9/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Alkalinity, Hydroxide as CaCO <sub>3</sub>   | < 20      | mg/L   | L82935-08 | 9/9/2023  |  |
| 69 | 9/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Ammonia Nitrogen                             | < 0.2     | mg/L   | L82935-08 | 9/15/2023 |  |
| 69 | 9/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Bicarbonate as HCO <sub>3</sub>              | 186       | mg/L   | L82935-08 | 9/9/2023  |  |
| 69 | 9/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Cadmium, Total Recoverable                   | < 0.00025 | mg/L   | L82935-08 | 9/13/2023 |  |
| 69 | 9/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Calcium, Dissolved                           | 54.9      | mg/L   | L82935-08 | 9/20/2023 |  |
| 69 | 9/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Carbonate as CO <sub>3</sub>                 | < 20      | mg/L   | L82935-08 | 9/9/2023  |  |
| 69 | 9/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Flow                                         | 26.72     | cfs    |           | 9/7/2023  |  |
| 69 | 9/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Hydroxide as OH                              | < 20      | mg/L   | L82935-08 | 9/9/2023  |  |
| 69 | 9/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Indication Oil and Grease                    | N         | Y/N    |           | 9/7/2023  |  |
| 69 | 9/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Iron, Total Recoverable                      | 0.771     | mg/L   | L82935-08 | 9/19/2023 |  |
| 69 | 9/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Magnesium, Dissolved                         | 34.3      | mg/L   | L82935-08 | 9/20/2023 |  |
| 69 | 9/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Manganese, Total Recoverable                 | 0.041     | mg/L   | L82935-08 | 9/19/2023 |  |
| 69 | 9/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Mercury, Total                               | < 0.001   | mg/L   | L82935-08 | 9/19/2023 |  |
| 69 | 9/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Molybdenum, Total Recoverable                | < 0.1     | mg/L   | L82935-08 | 9/20/2023 |  |

|    |           |                         |      |                                  |          |        |           |           |  |
|----|-----------|-------------------------|------|----------------------------------|----------|--------|-----------|-----------|--|
| 69 | 9/7/2023  | TWENTYMILE COAL COMPANY | GRAB | NO3-NO2 Nitrogen                 | < 0.1    | mg/L   | L82935-08 | 9/16/2023 |  |
| 69 | 9/7/2023  | TWENTYMILE COAL COMPANY | GRAB | pH Temperature                   | 22.9     | Deg C  | L82935-08 | 9/9/2023  |  |
| 69 | 9/7/2023  | TWENTYMILE COAL COMPANY | GRAB | pH, Field                        | 8.2      | S.U.   | L82935-08 | 9/7/2023  |  |
| 69 | 9/7/2023  | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                          | 8.1      | S.U.   | L82935-08 | 9/9/2023  |  |
| 69 | 9/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Phosphorus, Orthophosphorus      | 0.03     | mg/L   | L82935-08 | 9/7/2023  |  |
| 69 | 9/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Selenium, Total Recoverable      | 0.00012  | mg/L   | L82935-08 | 9/13/2023 |  |
| 69 | 9/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Silver, Total Recoverable        | < 0.0005 | mg/L   | L82935-08 | 9/13/2023 |  |
| 69 | 9/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Sodium, Dissolved                | 14.8     | mg/L   | L82935-08 | 9/20/2023 |  |
| 69 | 9/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Sodium Adsorption Ratio          | 0.39     | RATIO  | L82935-08 | 9/27/2023 |  |
| 69 | 9/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended          | 16       | mg/L   | L82935-08 | 9/13/2023 |  |
| 69 | 9/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field     | 530      | ums/cm | L82935-08 | 9/7/2023  |  |
| 69 | 9/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Lab       | 582      | ums/cm | L82935-08 | 9/26/2023 |  |
| 69 | 9/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Sulfates                         | 182      | mg/L   | L82935-08 | 9/11/2023 |  |
| 69 | 9/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field               | 17.1     | Deg C  | L82935-08 | 9/7/2023  |  |
| 69 | 9/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Total Dissolved Solids, Lab      | 386      | mg/L   | L82935-08 | 9/13/2023 |  |
| 69 | 9/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Zinc, Total Recoverable          | < 0.05   | mg/L   | L82935-08 | 9/19/2023 |  |
| 8  | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Alkalinity as CaCO3, @ pH 4.5    | 285      | mg/L   | L79931-04 | 4/29/2023 |  |
| 8  | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Alkalinity, Bicarbonate as CaCO3 | 280      | mg/L   | L79931-04 | 4/29/2023 |  |
| 8  | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Alkalinity, Carbonate as CaCO3   | 5.5      | mg/L   | L79931-04 | 4/29/2023 |  |
| 8  | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Alkalinity, Hydroxide as CaCO3   | < 20     | mg/L   | L79931-04 | 4/29/2023 |  |
| 8  | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Ammonia Nitrogen                 | < 0.2    | mg/L   | L79931-04 | 4/20/2023 |  |
| 8  | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Bicarbonate as HCO3              | 341      | mg/L   | L79931-04 | 4/29/2023 |  |
| 8  | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Cadmium, Total Recoverable       | 0.000057 | mg/L   | L79931-04 | 4/26/2023 |  |
| 8  | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Calcium, Dissolved               | 124      | mg/L   | L79931-04 | 4/28/2023 |  |
| 8  | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Carbonate as CO3                 | 3.3      | mg/L   | L79931-04 | 4/29/2023 |  |

|   |           |                         |      |                               |          |        |           |           |  |
|---|-----------|-------------------------|------|-------------------------------|----------|--------|-----------|-----------|--|
| 8 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                          | 27.8     | cfs    |           | 4/17/2023 |  |
| 8 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Hydroxide as OH               | < 20     | mg/L   | L79931-04 | 4/29/2023 |  |
| 8 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Indication Oil and Grease     | N        | Y/N    |           | 4/17/2023 |  |
| 8 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Iron, Total Recoverable       | 1.18     | mg/L   | L79931-04 | 4/27/2023 |  |
| 8 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Magnesium, Dissolved          | 87.4     | mg/L   | L79931-04 | 4/28/2023 |  |
| 8 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Manganese, Total Recoverable  | 0.123    | mg/L   | L79931-04 | 4/27/2023 |  |
| 8 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Mercury, Total                | < 0.001  | mg/L   | L79931-04 | 4/25/2023 |  |
| 8 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Molybdenum, Total Recoverable | < 0.1    | mg/L   | L79931-04 | 4/27/2023 |  |
| 8 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | NO3-NO2 Nitrogen              | 0.67     | mg/L   | L79931-04 | 4/28/2023 |  |
| 8 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | pH Temperature                | 22       | Deg C  | L79931-04 | 4/29/2023 |  |
| 8 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                     | 7.9      | S.U.   | L79931-04 | 4/17/2023 |  |
| 8 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                       | 8.3      | S.U.   | L79931-04 | 4/29/2023 |  |
| 8 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Phosphorus, Orthophosphorus   | 0.109    | mg/L   | L79931-04 | 4/19/2023 |  |
| 8 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Selenium, Total Recoverable   | 0.00199  | mg/L   | L79931-04 | 4/26/2023 |  |
| 8 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Silver, Total Recoverable     | < 0.0005 | mg/L   | L79931-04 | 4/26/2023 |  |
| 8 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Sodium, Dissolved             | 219      | mg/L   | L79931-04 | 4/28/2023 |  |
| 8 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Sodium Adsorption Ratio       | 3.7      | RATIO  | L79931-04 | 5/18/2023 |  |
| 8 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended       | 34       | mg/L   | L79931-04 | 4/24/2023 |  |
| 8 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field  | 1760     | ums/cm | L79931-04 | 4/17/2023 |  |
| 8 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Lab    | 2010     | ums/cm | L79931-04 | 4/29/2023 |  |
| 8 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Sulfates                      | 833      | mg/L   | L79931-04 | 5/15/2023 |  |
| 8 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field            | 10.5     | Deg C  | L79931-04 | 4/17/2023 |  |
| 8 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Total Dissolved Solids, Lab   | 1580     | mg/L   | L79931-04 | 4/22/2023 |  |
| 8 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Zinc, Total Recoverable       | < 0.05   | mg/L   | L79931-04 | 4/27/2023 |  |
| 8 | 4/26/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                          | 25.8125  | cfs    |           | 4/26/2023 |  |

|   |           |                         |      |                                              |          |          |           |           |  |
|---|-----------|-------------------------|------|----------------------------------------------|----------|----------|-----------|-----------|--|
| 8 | 4/26/2023 | TWENTYMILE COAL COMPANY | GRAB | Indication Oil and Grease                    | N        | Y/N      |           | 4/26/2023 |  |
| 8 | 4/26/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                                    | 8.1      | S.U.     |           | 4/26/2023 |  |
| 8 | 4/26/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field                 | 1120     | UMHOS/CM |           | 4/26/2023 |  |
| 8 | 4/26/2023 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field                           | 9.3      | Deg C    |           | 4/26/2023 |  |
| 8 | 5/25/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                                         | 13.58    | cfs      |           | 5/25/2023 |  |
| 8 | 5/25/2023 | TWENTYMILE COAL COMPANY | GRAB | Indication Oil and Grease                    | N        | Y/N      |           | 5/25/2023 |  |
| 8 | 5/25/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                                    | 8.1      | S.U.     |           | 5/25/2023 |  |
| 8 | 5/25/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field                 | 3160     | UMHOS/CM |           | 5/25/2023 |  |
| 8 | 5/25/2023 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field                           | 16.5     | Deg C    |           | 5/25/2023 |  |
| 8 | 6/28/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                                         | 5.09     | cfs      |           | 6/28/2023 |  |
| 8 | 6/28/2023 | TWENTYMILE COAL COMPANY | GRAB | Indication Oil and Grease                    | N        | Y/N      |           | 6/28/2023 |  |
| 8 | 6/29/2023 |                         | GRAB | Alkalinity as CaCO <sub>3</sub> , @ pH 4.5   | 362      | mg/L     | L81472-05 | 7/11/2023 |  |
| 8 | 6/29/2023 |                         | GRAB | Alkalinity, Bicarbonate as CaCO <sub>3</sub> | 329      | mg/L     | L81472-05 | 7/11/2023 |  |
| 8 | 6/29/2023 |                         | GRAB | Alkalinity, Carbonate as CaCO <sub>3</sub>   | 32.2     | mg/L     | L81472-05 | 7/11/2023 |  |
| 8 | 6/29/2023 |                         | GRAB | Alkalinity, Hydroxide as CaCO <sub>3</sub>   | < 20     | mg/L     | L81472-05 | 7/11/2023 |  |
| 8 | 6/29/2023 |                         | GRAB | Ammonia Nitrogen                             | < 0.2    | mg/L     | L81472-05 | 7/13/2023 |  |
| 8 | 6/29/2023 |                         | GRAB | Bicarbonate as HCO <sub>3</sub>              | 402      | mg/L     | L81472-05 | 7/11/2023 |  |
| 8 | 6/29/2023 |                         | GRAB | Cadmium, Total Recoverable                   | < 0.0005 | mg/L     | L81472-05 | 7/10/2023 |  |
| 8 | 6/29/2023 |                         | GRAB | Calcium, Dissolved                           | 266      | mg/L     | L81472-05 | 7/11/2023 |  |
| 8 | 6/29/2023 |                         | GRAB | Carbonate as CO <sub>3</sub>                 | 19.3     | mg/L     | L81472-05 | 7/11/2023 |  |
| 8 | 6/29/2023 |                         | GRAB | Hydroxide as OH                              | < 20     | mg/L     | L81472-05 | 7/11/2023 |  |
| 8 | 6/29/2023 |                         | GRAB | Iron, Total Recoverable                      | 0.194    | mg/L     | L81472-05 | 7/8/2023  |  |
| 8 | 6/29/2023 |                         | GRAB | Magnesium, Dissolved                         | 285      | mg/L     | L81472-05 | 7/11/2023 |  |
| 8 | 6/29/2023 |                         | GRAB | Manganese, Total Recoverable                 | 0.047    | mg/L     | L81472-05 | 7/8/2023  |  |
| 8 | 6/29/2023 |                         | GRAB | Mercury, Total                               | < 0.001  | mg/L     | L81472-05 | 7/6/2023  |  |
| 8 | 6/29/2023 |                         | GRAB | Molybdenum, Total Recoverable                | < 0.2    | mg/L     | L81472-05 | 7/8/2023  |  |
| 8 | 6/29/2023 |                         | GRAB | NO <sub>3</sub> -NO <sub>2</sub> Nitrogen    | < 0.1    | mg/L     | L81472-05 | 7/9/2023  |  |
| 8 | 6/29/2023 |                         | GRAB | pH Temperature                               | 23.3     | Deg C    | L81472-05 | 7/20/2023 |  |
| 8 | 6/29/2023 |                         | GRAB | pH, Field                                    | 8.1      | S.U.     | L81472-05 | 6/29/2023 |  |
| 8 | 6/29/2023 |                         | GRAB | pH, Lab                                      | 8.4      | S.U.     | L81472-05 | 7/20/2023 |  |
| 8 | 6/29/2023 |                         | GRAB | Phosphorus, Orthophosphorus                  | 0.016    | mg/L     | L81472-05 | 6/30/2023 |  |
| 8 | 6/29/2023 |                         | GRAB | Selenium, Total Recoverable                  | 0.00134  | mg/L     | L81472-05 | 7/10/2023 |  |

|   |           |                         |      |                                              |         |          |           |           |  |
|---|-----------|-------------------------|------|----------------------------------------------|---------|----------|-----------|-----------|--|
| 8 | 6/29/2023 |                         | GRAB | Silver, Total Recoverable                    | < 0.001 | mg/L     | L81472-05 | 7/12/2023 |  |
| 8 | 6/29/2023 |                         | GRAB | Sodium, Dissolved                            | 313     | mg/L     | L81472-05 | 7/11/2023 |  |
| 8 | 6/29/2023 |                         | GRAB | Sodium Adsorption Ratio                      | 3.2     | RATIO    | L81472-05 | 7/27/2023 |  |
| 8 | 6/29/2023 |                         | GRAB | Solids, Total Suspended                      | < 20    | mg/L     | L81472-05 | 7/5/2023  |  |
| 8 | 6/29/2023 |                         | GRAB | Specific Conductivity, Field                 | 3220    | ums/cm   | L81472-05 | 6/29/2023 |  |
| 8 | 6/29/2023 |                         | GRAB | Specific Conductivity, Lab                   | 3710    | ums/cm   | L81472-05 | 7/11/2023 |  |
| 8 | 6/29/2023 |                         | GRAB | Sulfates                                     | 1960    | mg/L     | L81472-05 | 7/20/2023 |  |
| 8 | 6/29/2023 |                         | GRAB | Temperature, Field                           | 22.1    | Deg C    | L81472-05 | 6/29/2023 |  |
| 8 | 6/29/2023 |                         | GRAB | Total Dissolved Solids, Lab                  | 3580    | mg/L     | L81472-05 | 7/5/2023  |  |
| 8 | 6/29/2023 |                         | GRAB | Zinc, Total Recoverable                      | < 0.1   | mg/L     | L81472-05 | 7/8/2023  |  |
| 8 | 7/27/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                                         | 0.93    | cfs      |           | 7/27/2023 |  |
| 8 | 7/27/2023 | TWENTYMILE COAL COMPANY | GRAB | Indication Oil and Grease                    | N       | Y/N      |           | 7/27/2023 |  |
| 8 | 7/27/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                                    | 8       | S.U.     |           | 7/27/2023 |  |
| 8 | 7/27/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field                 | 3670    | UMHOS/CM |           | 7/27/2023 |  |
| 8 | 7/27/2023 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field                           | 17.9    | Deg C    |           | 7/27/2023 |  |
| 8 | 8/3/2023  | TWENTYMILE COAL COMPANY | GRAB | Flow                                         | 1.2     | cfs      |           | 8/3/2023  |  |
| 8 | 8/3/2023  | TWENTYMILE COAL COMPANY | GRAB | Indication Oil and Grease                    | N       | Y/N      |           | 8/3/2023  |  |
| 8 | 8/3/2023  | TWENTYMILE COAL COMPANY | GRAB | pH, Field                                    | 8.2     | S.U.     |           | 8/3/2023  |  |
| 8 | 8/3/2023  | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field                 | 3570    | UMHOS/CM |           | 8/3/2023  |  |
| 8 | 8/3/2023  | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field                           | 24.9    | Deg C    |           | 8/3/2023  |  |
| 8 | 8/9/2023  | TWENTYMILE COAL COMPANY | GRAB | Flow                                         | 0.69    | cfs      |           | 8/9/2023  |  |
| 8 | 8/9/2023  | TWENTYMILE COAL COMPANY | GRAB | Indication Oil and Grease                    | N       | Y/N      |           | 8/9/2023  |  |
| 8 | 8/9/2023  | TWENTYMILE COAL COMPANY | GRAB | pH, Field                                    | 8.4     | S.U.     |           | 8/9/2023  |  |
| 8 | 8/9/2023  | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field                 | 3400    | UMHOS/CM |           | 8/9/2023  |  |
| 8 | 8/9/2023  | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field                           | 21.3    | Deg C    |           | 8/9/2023  |  |
| 8 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Alkalinity as CaCO <sub>3</sub> , @ pH 4.5   | 249     | mg/L     | L82518-13 | 8/24/2023 |  |
| 8 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Alkalinity, Bicarbonate as CaCO <sub>3</sub> | 245     | mg/L     | L82518-13 | 8/24/2023 |  |
| 8 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Alkalinity, Carbonate as CaCO <sub>3</sub>   | 4.3     | mg/L     | L82518-13 | 8/24/2023 |  |

|   |           |                         |      |                                            |           |        |           |           |  |
|---|-----------|-------------------------|------|--------------------------------------------|-----------|--------|-----------|-----------|--|
| 8 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Alkalinity, Hydroxide as CaCO <sub>3</sub> | < 20      | mg/L   | L82518-13 | 8/24/2023 |  |
| 8 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Ammonia Nitrogen                           | < 0.2     | mg/L   | L82518-13 | 8/29/2023 |  |
| 8 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Bicarbonate as HCO <sub>3</sub>            | 298       | mg/L   | L82518-13 | 8/24/2023 |  |
| 8 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Cadmium, Total Recoverable                 | < 0.00025 | mg/L   | L82518-13 | 8/24/2023 |  |
| 8 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Calcium, Dissolved                         | 349       | mg/L   | L82518-13 | 8/25/2023 |  |
| 8 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Carbonate as CO <sub>3</sub>               | 2.6       | mg/L   | L82518-13 | 8/24/2023 |  |
| 8 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                                       | 0.64      | cfs    |           | 8/16/2023 |  |
| 8 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Hydroxide as OH                            | < 20      | mg/L   | L82518-13 | 8/24/2023 |  |
| 8 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Indication Oil and Grease                  | N         | Y/N    |           | 8/16/2023 |  |
| 8 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Iron, Total Recoverable                    | 0.457     | mg/L   | L82518-13 | 8/30/2023 |  |
| 8 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Magnesium, Dissolved                       | 430       | mg/L   | L82518-13 | 8/25/2023 |  |
| 8 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Manganese, Total Recoverable               | 0.193     | mg/L   | L82518-13 | 8/30/2023 |  |
| 8 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Mercury, Total                             | < 0.001   | mg/L   | L82518-13 | 8/22/2023 |  |
| 8 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Molybdenum, Total Recoverable              | < 0.2     | mg/L   | L82518-13 | 8/30/2023 |  |
| 8 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | NO <sub>3</sub> -NO <sub>2</sub> Nitrogen  | < 0.1     | mg/L   | L82518-13 | 8/25/2023 |  |
| 8 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | pH Temperature                             | 22.9      | Deg C  | L82518-13 | 8/24/2023 |  |
| 8 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                                    | 8.3       | S.U.   | L82518-13 | 8/24/2023 |  |
| 8 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Phosphorus, Orthophosphorus                | 0.024     | mg/L   | L82518-13 | 8/18/2023 |  |
| 8 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Selenium, Total Recoverable                | 0.00047   | mg/L   | L82518-13 | 8/24/2023 |  |
| 8 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Silver, Total Recoverable                  | < 0.0005  | mg/L   | L82518-13 | 8/24/2023 |  |
| 8 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Sodium, Dissolved                          | 145       | mg/L   | L82518-13 | 8/25/2023 |  |
| 8 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Sodium Adsorption Ratio                    | 1.2       | RATIO  | L82518-13 | 9/19/2023 |  |
| 8 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended                    | 21        | mg/L   | L82518-13 | 8/23/2023 |  |
| 8 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Lab                 | 3860      | ums/cm | L82518-13 | 8/24/2023 |  |
| 8 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Sulfates                                   | 2630      | mg/L   | L82518-13 | 8/24/2023 |  |

|   |           |                         |      |                                              |          |          |           |           |  |
|---|-----------|-------------------------|------|----------------------------------------------|----------|----------|-----------|-----------|--|
| 8 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Total Dissolved Solids, Lab                  | 3850     | mg/L     | L82518-13 | 8/23/2023 |  |
| 8 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Zinc, Total Recoverable                      | < 0.1    | mg/L     | L82518-13 | 8/30/2023 |  |
| 8 | 8/23/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                                         | 0.95     | cfs      |           | 8/23/2023 |  |
| 8 | 8/23/2023 | TWENTYMILE COAL COMPANY | GRAB | Indication Oil and Grease                    | N        | Y/N      |           | 8/23/2023 |  |
| 8 | 8/23/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                                    | 8.3      | S.U.     |           | 8/23/2023 |  |
| 8 | 8/23/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field                 | 3650     | UMHOS/CM |           | 8/23/2023 |  |
| 8 | 8/23/2023 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field                           | 21.3     | Deg C    |           | 8/23/2023 |  |
| 8 | 8/30/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                                         | 0.97     | cfs      |           | 8/30/2023 |  |
| 8 | 8/30/2023 | TWENTYMILE COAL COMPANY | GRAB | Indication Oil and Grease                    | N        | Y/N      |           | 8/30/2023 |  |
| 8 | 8/30/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                                    | 8.2      | S.U.     |           | 8/30/2023 |  |
| 8 | 8/30/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field                 | 3360     | UMHOS/CM |           | 8/30/2023 |  |
| 8 | 8/30/2023 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field                           | 22.5     | Deg C    |           | 8/30/2023 |  |
| 8 | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Alkalinity as CaCO <sub>3</sub> , @ pH 4.5   | 296      | mg/L     | L82935-02 | 9/9/2023  |  |
| 8 | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Alkalinity, Bicarbonate as CaCO <sub>3</sub> | 296      | mg/L     | L82935-02 | 9/9/2023  |  |
| 8 | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Alkalinity, Carbonate as CaCO <sub>3</sub>   | < 20     | mg/L     | L82935-02 | 9/9/2023  |  |
| 8 | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Alkalinity, Hydroxide as CaCO <sub>3</sub>   | < 20     | mg/L     | L82935-02 | 9/9/2023  |  |
| 8 | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Ammonia Nitrogen                             | < 0.2    | mg/L     | L82935-02 | 9/15/2023 |  |
| 8 | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Bicarbonate as HCO <sub>3</sub>              | 361      | mg/L     | L82935-02 | 9/9/2023  |  |
| 8 | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Cadmium, Total Recoverable                   | < 0.0005 | mg/L     | L82935-02 | 9/13/2023 |  |
| 8 | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Calcium, Dissolved                           | 346      | mg/L     | L82935-02 | 9/19/2023 |  |
| 8 | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Carbonate as CO <sub>3</sub>                 | < 20     | mg/L     | L82935-02 | 9/9/2023  |  |
| 8 | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Flow                                         | 0.94     | cfs      |           | 9/6/2023  |  |
| 8 | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Hydroxide as OH                              | < 20     | mg/L     | L82935-02 | 9/9/2023  |  |
| 8 | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Indication Oil and Grease                    | N        | Y/N      |           | 9/6/2023  |  |
| 8 | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Iron, Total Recoverable                      | 0.299    | mg/L     | L82935-02 | 9/19/2023 |  |



|   |           |                         |      |                               |         |          |           |           |  |
|---|-----------|-------------------------|------|-------------------------------|---------|----------|-----------|-----------|--|
| 8 | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Magnesium, Dissolved          | 400     | mg/L     | L82935-02 | 9/19/2023 |  |
| 8 | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Manganese, Total Recoverable  | 0.283   | mg/L     | L82935-02 | 9/19/2023 |  |
| 8 | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Mercury, Total                | < 0.001 | mg/L     | L82935-02 | 9/19/2023 |  |
| 8 | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Molybdenum, Total Recoverable | < 0.2   | mg/L     | L82935-02 | 9/20/2023 |  |
| 8 | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | NO3-NO2 Nitrogen              | < 0.1   | mg/L     | L82935-02 | 9/16/2023 |  |
| 8 | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | pH Temperature                | 23.3    | Deg C    | L82935-02 | 9/9/2023  |  |
| 8 | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | pH, Field                     | 8       | S.U.     | L82935-02 | 9/6/2023  |  |
| 8 | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                       | 8.3     | S.U.     | L82935-02 | 9/9/2023  |  |
| 8 | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Phosphorus, Orthophosphorus   | 0.035   | mg/L     | L82935-02 | 9/7/2023  |  |
| 8 | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Selenium, Total Recoverable   | 0.00027 | mg/L     | L82935-02 | 9/13/2023 |  |
| 8 | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Silver, Total Recoverable     | < 0.001 | mg/L     | L82935-02 | 9/13/2023 |  |
| 8 | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Sodium, Dissolved             | 111     | mg/L     | L82935-02 | 9/19/2023 |  |
| 8 | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Sodium Adsorption Ratio       | 0.98    | RATIO    | L82935-02 | 9/27/2023 |  |
| 8 | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended       | 11      | mg/L     | L82935-02 | 9/12/2023 |  |
| 8 | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field  | 3060    | ums/cm   | L82935-02 | 9/6/2023  |  |
| 8 | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Lab    | 3640    | ums/cm   | L82935-02 | 9/26/2023 |  |
| 8 | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Sulfates                      | 2530    | mg/L     | L82935-02 | 9/11/2023 |  |
| 8 | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field            | 23      | Deg C    | L82935-02 | 9/6/2023  |  |
| 8 | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Total Dissolved Solids, Lab   | 3690    | mg/L     | L82935-02 | 9/13/2023 |  |
| 8 | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Zinc, Total Recoverable       | < 0.1   | mg/L     | L82935-02 | 9/19/2023 |  |
| 8 | 9/12/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                          | 0.47    | cfs      |           | 9/12/2023 |  |
| 8 | 9/12/2023 | TWENTYMILE COAL COMPANY | GRAB | Indication Oil and Grease     | N       | Y/N      |           | 9/12/2023 |  |
| 8 | 9/12/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                     | 8.2     | S.U.     |           | 9/12/2023 |  |
| 8 | 9/12/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field  | 3460    | UMHOS/CM |           | 9/12/2023 |  |
| 8 | 9/12/2023 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field            | 18      | Deg C    |           | 9/12/2023 |  |

|     |           |                         |      |                                              |           |       |           |           |  |
|-----|-----------|-------------------------|------|----------------------------------------------|-----------|-------|-----------|-----------|--|
| 800 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Alkalinity as CaCO <sub>3</sub> , @ pH 4.5   | 172       | mg/L  | L79931-02 | 4/29/2023 |  |
| 800 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Alkalinity, Bicarbonate as CaCO <sub>3</sub> | 172       | mg/L  | L79931-02 | 4/29/2023 |  |
| 800 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Alkalinity, Carbonate as CaCO <sub>3</sub>   | < 20      | mg/L  | L79931-02 | 4/29/2023 |  |
| 800 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Alkalinity, Hydroxide as CaCO <sub>3</sub>   | < 20      | mg/L  | L79931-02 | 4/29/2023 |  |
| 800 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Ammonia Nitrogen                             | < 0.2     | mg/L  | L79931-02 | 4/25/2023 |  |
| 800 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Bicarbonate as HCO <sub>3</sub>              | 210       | mg/L  | L79931-02 | 4/29/2023 |  |
| 800 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Cadmium, Total Recoverable                   | < 0.00025 | mg/L  | L79931-02 | 4/26/2023 |  |
| 800 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Calcium, Dissolved                           | 136       | mg/L  | L79931-02 | 4/28/2023 |  |
| 800 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Carbonate as CO <sub>3</sub>                 | < 20      | mg/L  | L79931-02 | 4/29/2023 |  |
| 800 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                                         | 10.43     | cfs   |           | 4/17/2023 |  |
| 800 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Hydroxide as OH                              | < 20      | mg/L  | L79931-02 | 4/29/2023 |  |
| 800 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Indication Oil and Grease                    | N         | Y/N   |           | 4/17/2023 |  |
| 800 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Iron, Total Recoverable                      | 0.878     | mg/L  | L79931-02 | 4/27/2023 |  |
| 800 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Magnesium, Dissolved                         | 94.9      | mg/L  | L79931-02 | 4/28/2023 |  |
| 800 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Manganese, Total Recoverable                 | 0.113     | mg/L  | L79931-02 | 4/27/2023 |  |
| 800 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Mercury, Total                               | < 0.001   | mg/L  | L79931-02 | 4/25/2023 |  |
| 800 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Molybdenum, Total Recoverable                | < 0.1     | mg/L  | L79931-02 | 4/27/2023 |  |
| 800 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | NO <sub>3</sub> -NO <sub>2</sub> Nitrogen    | 0.503     | mg/L  | L79931-02 | 4/28/2023 |  |
| 800 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | pH Temperature                               | 22        | Deg C | L79931-02 | 4/29/2023 |  |
| 800 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                                    | 7.6       | S.U.  | L79931-02 | 4/17/2023 |  |
| 800 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                                      | 8.1       | S.U.  | L79931-02 | 4/29/2023 |  |
| 800 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Phosphorus, Orthophosphorus                  | 0.165     | mg/L  | L79931-02 | 4/19/2023 |  |
| 800 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Selenium, Total Recoverable                  | 0.00191   | mg/L  | L79931-02 | 4/26/2023 |  |
| 800 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Silver, Total Recoverable                    | < 0.0005  | mg/L  | L79931-02 | 4/26/2023 |  |
| 800 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Sodium, Dissolved                            | 23.8      | mg/L  | L79931-02 | 4/28/2023 |  |

|     |           |                         |      |                                              |          |          |           |           |  |
|-----|-----------|-------------------------|------|----------------------------------------------|----------|----------|-----------|-----------|--|
| 800 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Sodium Adsorption Ratio                      | 0.39     | RATIO    | L79931-02 | 5/18/2023 |  |
| 800 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended                      | 16       | mg/L     | L79931-02 | 4/24/2023 |  |
| 800 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field                 | 1210     | ums/cm   | L79931-02 | 4/17/2023 |  |
| 800 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Lab                   | 1330     | ums/cm   | L79931-02 | 4/29/2023 |  |
| 800 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Sulfates                                     | 586      | mg/L     | L79931-02 | 5/15/2023 |  |
| 800 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field                           | 6.5      | Deg C    | L79931-02 | 4/17/2023 |  |
| 800 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Total Dissolved Solids, Lab                  | 1080     | mg/L     | L79931-02 | 4/22/2023 |  |
| 800 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Zinc, Total Recoverable                      | < 0.05   | mg/L     | L79931-02 | 4/27/2023 |  |
| 800 | 4/26/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                                         | 19.054   | cfs      |           | 4/26/2023 |  |
| 800 | 4/26/2023 | TWENTYMILE COAL COMPANY | GRAB | Indication Oil and Grease                    | N        | Y/N      |           | 4/26/2023 |  |
| 800 | 4/26/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                                    | 7.5      | S.U.     |           | 4/26/2023 |  |
| 800 | 4/26/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field                 | 1100     | UMHOS/CM |           | 4/26/2023 |  |
| 800 | 4/26/2023 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field                           | 7        | Deg C    |           | 4/26/2023 |  |
| 800 | 5/25/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                                         | 17.77    | cfs      |           | 5/25/2023 |  |
| 800 | 5/25/2023 | TWENTYMILE COAL COMPANY | GRAB | Indication Oil and Grease                    | N        | Y/N      |           | 5/25/2023 |  |
| 800 | 5/25/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                                    | 7.9      | S.U.     |           | 5/25/2023 |  |
| 800 | 5/25/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field                 | 2990     | UMHOS/CM |           | 5/25/2023 |  |
| 800 | 5/25/2023 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field                           | 16.2     | Deg C    |           | 5/25/2023 |  |
| 800 | 6/28/2023 | TWENTYMILE COAL COMPANY | GRAB | Alkalinity as CaCO <sub>3</sub> , @ pH 4.5   | 302      | mg/L     | L81472-01 | 7/11/2023 |  |
| 800 | 6/28/2023 | TWENTYMILE COAL COMPANY | GRAB | Alkalinity, Bicarbonate as CaCO <sub>3</sub> | 289      | mg/L     | L81472-01 | 7/11/2023 |  |
| 800 | 6/28/2023 | TWENTYMILE COAL COMPANY | GRAB | Alkalinity, Carbonate as CaCO <sub>3</sub>   | 12.5     | mg/L     | L81472-01 | 7/11/2023 |  |
| 800 | 6/28/2023 | TWENTYMILE COAL COMPANY | GRAB | Alkalinity, Hydroxide as CaCO <sub>3</sub>   | < 20     | mg/L     | L81472-01 | 7/11/2023 |  |
| 800 | 6/28/2023 | TWENTYMILE COAL COMPANY | GRAB | Ammonia Nitrogen                             | < 0.2    | mg/L     | L81472-01 | 7/10/2023 |  |
| 800 | 6/28/2023 | TWENTYMILE COAL COMPANY | GRAB | Bicarbonate as HCO <sub>3</sub>              | 353      | mg/L     | L81472-01 | 7/11/2023 |  |
| 800 | 6/28/2023 | TWENTYMILE COAL COMPANY | GRAB | Cadmium, Total Recoverable                   | < 0.0005 | mg/L     | L81472-01 | 7/10/2023 |  |

|     |           |                         |      |                                           |          |        |           |           |  |
|-----|-----------|-------------------------|------|-------------------------------------------|----------|--------|-----------|-----------|--|
| 800 | 6/28/2023 | TWENTYMILE COAL COMPANY | GRAB | Calcium, Dissolved                        | 381      | mg/L   | L81472-01 | 7/11/2023 |  |
| 800 | 6/28/2023 | TWENTYMILE COAL COMPANY | GRAB | Carbonate as CO <sub>3</sub>              | 7.5      | mg/L   | L81472-01 | 7/11/2023 |  |
| 800 | 6/28/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                                      | 4.05     | cfs    |           | 6/28/2023 |  |
| 800 | 6/28/2023 | TWENTYMILE COAL COMPANY | GRAB | Hydroxide as OH                           | < 20     | mg/L   | L81472-01 | 7/11/2023 |  |
| 800 | 6/28/2023 | TWENTYMILE COAL COMPANY | GRAB | Indication Oil and Grease                 | N        | Y/N    |           | 6/28/2023 |  |
| 800 | 6/28/2023 | TWENTYMILE COAL COMPANY | GRAB | Iron, Total Recoverable                   | < 0.3    | mg/L   | L81472-01 | 7/8/2023  |  |
| 800 | 6/28/2023 | TWENTYMILE COAL COMPANY | GRAB | Magnesium, Dissolved                      | 383      | mg/L   | L81472-01 | 7/11/2023 |  |
| 800 | 6/28/2023 | TWENTYMILE COAL COMPANY | GRAB | Manganese, Total Recoverable              | 0.023    | mg/L   | L81472-01 | 7/8/2023  |  |
| 800 | 6/28/2023 | TWENTYMILE COAL COMPANY | GRAB | Mercury, Total                            | < 0.001  | mg/L   | L81472-01 | 7/6/2023  |  |
| 800 | 6/28/2023 | TWENTYMILE COAL COMPANY | GRAB | Molybdenum, Total Recoverable             | < 0.2    | mg/L   | L81472-01 | 7/8/2023  |  |
| 800 | 6/28/2023 | TWENTYMILE COAL COMPANY | GRAB | NO <sub>3</sub> -NO <sub>2</sub> Nitrogen | < 0.1    | mg/L   | L81472-01 | 7/9/2023  |  |
| 800 | 6/28/2023 | TWENTYMILE COAL COMPANY | GRAB | pH Temperature                            | 23.3     | Deg C  | L81472-01 | 7/20/2023 |  |
| 800 | 6/28/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                                 | 8.2      | S.U.   | L81472-01 | 6/28/2023 |  |
| 800 | 6/28/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                                   | 8.3      | S.U.   | L81472-01 | 7/20/2023 |  |
| 800 | 6/28/2023 | TWENTYMILE COAL COMPANY | GRAB | Phosphorus, Orthophosphorus               | < 0.05   | mg/L   | L81472-01 | 6/30/2023 |  |
| 800 | 6/28/2023 | TWENTYMILE COAL COMPANY | GRAB | Selenium, Total Recoverable               | < 0.0005 | mg/L   | L81472-01 | 7/10/2023 |  |
| 800 | 6/28/2023 | TWENTYMILE COAL COMPANY | GRAB | Silver, Total Recoverable                 | < 0.001  | mg/L   | L81472-01 | 7/12/2023 |  |
| 800 | 6/28/2023 | TWENTYMILE COAL COMPANY | GRAB | Sodium, Dissolved                         | 43.7     | mg/L   | L81472-01 | 7/11/2023 |  |
| 800 | 6/28/2023 | TWENTYMILE COAL COMPANY | GRAB | Sodium Adsorption Ratio                   | 0.38     | RATIO  | L81472-01 | 7/27/2023 |  |
| 800 | 6/28/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended                   | 8        | mg/L   | L81472-01 | 7/3/2023  |  |
| 800 | 6/28/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field              | 3510     | ums/cm | L81472-01 | 6/28/2023 |  |
| 800 | 6/28/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Lab                | 3420     | ums/cm | L81472-01 | 7/11/2023 |  |
| 800 | 6/28/2023 | TWENTYMILE COAL COMPANY | GRAB | Sulfates                                  | 2280     | mg/L   | L81472-01 | 7/20/2023 |  |
| 800 | 6/28/2023 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field                        | 22       | Deg C  | L81472-01 | 6/28/2023 |  |
| 800 | 6/28/2023 | TWENTYMILE COAL COMPANY | GRAB | Total Dissolved Solids, Lab               | 3540     | mg/L   | L81472-01 | 7/5/2023  |  |

|     |           |                         |      |                                              |           |          |           |           |  |
|-----|-----------|-------------------------|------|----------------------------------------------|-----------|----------|-----------|-----------|--|
| 800 | 6/28/2023 | TWENTYMILE COAL COMPANY | GRAB | Zinc, Total Recoverable                      | < 0.1     | mg/L     | L81472-01 | 7/8/2023  |  |
| 800 | 7/27/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                                         | 1.2       | cfs      |           | 7/27/2023 |  |
| 800 | 7/27/2023 | TWENTYMILE COAL COMPANY | GRAB | Indication Oil and Grease                    | N         | Y/N      |           | 7/27/2023 |  |
| 800 | 7/27/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                                    | 7.7       | S.U.     |           | 7/27/2023 |  |
| 800 | 7/27/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field                 | 3750      | UMHOS/CM |           | 7/27/2023 |  |
| 800 | 7/27/2023 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field                           | 19.6      | Deg C    |           | 7/27/2023 |  |
| 800 | 8/3/2023  | TWENTYMILE COAL COMPANY | GRAB | Flow                                         | 1.37      | cfs      |           | 8/3/2023  |  |
| 800 | 8/3/2023  | TWENTYMILE COAL COMPANY | GRAB | Indication Oil and Grease                    | N         | Y/N      |           | 8/3/2023  |  |
| 800 | 8/3/2023  | TWENTYMILE COAL COMPANY | GRAB | pH, Field                                    | 7.1       | S.U.     |           | 8/3/2023  |  |
| 800 | 8/3/2023  | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field                 | 3400      | UMHOS/CM |           | 8/3/2023  |  |
| 800 | 8/3/2023  | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field                           | 22.7      | Deg C    |           | 8/3/2023  |  |
| 800 | 8/9/2023  | TWENTYMILE COAL COMPANY | GRAB | Flow                                         | 1.37      | cfs      |           | 8/9/2023  |  |
| 800 | 8/9/2023  | TWENTYMILE COAL COMPANY | GRAB | Indication Oil and Grease                    | N         | Y/N      |           | 8/9/2023  |  |
| 800 | 8/9/2023  | TWENTYMILE COAL COMPANY | GRAB | pH, Field                                    | 7.8       | S.U.     |           | 8/9/2023  |  |
| 800 | 8/9/2023  | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field                 | 3480      | UMHOS/CM |           | 8/9/2023  |  |
| 800 | 8/9/2023  | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field                           | 19        | Deg C    |           | 8/9/2023  |  |
| 800 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Alkalinity as CaCO <sub>3</sub> , @ pH 4.5   | 252       | mg/L     | L82518-09 | 8/24/2023 |  |
| 800 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Alkalinity, Bicarbonate as CaCO <sub>3</sub> | 252       | mg/L     | L82518-09 | 8/24/2023 |  |
| 800 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Alkalinity, Carbonate as CaCO <sub>3</sub>   | < 20      | mg/L     | L82518-09 | 8/24/2023 |  |
| 800 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Alkalinity, Hydroxide as CaCO <sub>3</sub>   | < 20      | mg/L     | L82518-09 | 8/24/2023 |  |
| 800 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Ammonia Nitrogen                             | < 0.2     | mg/L     | L82518-09 | 8/24/2023 |  |
| 800 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Bicarbonate as HCO <sub>3</sub>              | 308       | mg/L     | L82518-09 | 8/24/2023 |  |
| 800 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Cadmium, Total Recoverable                   | < 0.00025 | mg/L     | L82518-09 | 8/24/2023 |  |
| 800 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Calcium, Dissolved                           | 374       | mg/L     | L82518-09 | 8/25/2023 |  |
| 800 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Carbonate as CO <sub>3</sub>                 | < 20      | mg/L     | L82518-09 | 8/24/2023 |  |

|     |           |                         |      |                               |          |          |           |           |  |
|-----|-----------|-------------------------|------|-------------------------------|----------|----------|-----------|-----------|--|
| 800 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                          | 1.82     | cfs      |           | 8/16/2023 |  |
| 800 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Hydroxide as OH               | < 20     | mg/L     | L82518-09 | 8/24/2023 |  |
| 800 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Indication Oil and Grease     | N        | Y/N      |           | 8/16/2023 |  |
| 800 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Iron, Total Recoverable       | 0.157    | mg/L     | L82518-09 | 8/30/2023 |  |
| 800 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Magnesium, Dissolved          | 443      | mg/L     | L82518-09 | 8/25/2023 |  |
| 800 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Manganese, Total Recoverable  | 0.325    | mg/L     | L82518-09 | 8/30/2023 |  |
| 800 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Mercury, Total                | < 0.001  | mg/L     | L82518-09 | 8/22/2023 |  |
| 800 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Molybdenum, Total Recoverable | < 0.2    | mg/L     | L82518-09 | 8/30/2023 |  |
| 800 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | NO3-NO2 Nitrogen              | < 0.1    | mg/L     | L82518-09 | 8/25/2023 |  |
| 800 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | pH Temperature                | 23.1     | Deg C    | L82518-09 | 8/24/2023 |  |
| 800 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                       | 8        | S.U.     | L82518-09 | 8/24/2023 |  |
| 800 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Phosphorus, Orthophosphorus   | < 0.05   | mg/L     | L82518-09 | 8/18/2023 |  |
| 800 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Selenium, Total Recoverable   | 0.00011  | mg/L     | L82518-09 | 8/24/2023 |  |
| 800 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Silver, Total Recoverable     | < 0.0005 | mg/L     | L82518-09 | 8/24/2023 |  |
| 800 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Sodium, Dissolved             | 48.8     | mg/L     | L82518-09 | 8/25/2023 |  |
| 800 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Sodium Adsorption Ratio       | 0.41     | RATIO    | L82518-09 | 9/19/2023 |  |
| 800 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended       | 8        | mg/L     | L82518-09 | 8/23/2023 |  |
| 800 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Lab    | 3680     | ums/cm   | L82518-09 | 8/24/2023 |  |
| 800 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Sulfates                      | 2360     | mg/L     | L82518-09 | 9/11/2023 |  |
| 800 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Total Dissolved Solids, Lab   | 3800     | mg/L     | L82518-09 | 8/23/2023 |  |
| 800 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Zinc, Total Recoverable       | < 0.1    | mg/L     | L82518-09 | 8/30/2023 |  |
| 800 | 8/23/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                          | 1.04     | cfs      |           | 8/23/2023 |  |
| 800 | 8/23/2023 | TWENTYMILE COAL COMPANY | GRAB | Indication Oil and Grease     | N        | Y/N      |           | 8/23/2023 |  |
| 800 | 8/23/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                     | 7.1      | S.U.     |           | 8/23/2023 |  |
| 800 | 8/23/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field  | 3590     | UMHOS/CM |           | 8/23/2023 |  |

|     |           |                         |      |                                  |           |          |           |           |  |
|-----|-----------|-------------------------|------|----------------------------------|-----------|----------|-----------|-----------|--|
| 800 | 8/23/2023 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field               | 21.8      | Deg C    |           | 8/23/2023 |  |
| 800 | 8/30/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                             | 1.82      | cfs      |           | 8/30/2023 |  |
| 800 | 8/30/2023 | TWENTYMILE COAL COMPANY | GRAB | Indication Oil and Grease        | N         | Y/N      |           | 8/30/2023 |  |
| 800 | 8/30/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                        | 7.9       | S.U.     |           | 8/30/2023 |  |
| 800 | 8/30/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field     | 3590      | UMHOS/CM |           | 8/30/2023 |  |
| 800 | 8/30/2023 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field               | 21.7      | Deg C    |           | 8/30/2023 |  |
| 800 | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Alkalinity as CaCO3, @ pH 4.5    | 265       | mg/L     | L82935-10 | 9/9/2023  |  |
| 800 | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Alkalinity, Bicarbonate as CaCO3 | 265       | mg/L     | L82935-10 | 9/9/2023  |  |
| 800 | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Alkalinity, Carbonate as CaCO3   | < 20      | mg/L     | L82935-10 | 9/9/2023  |  |
| 800 | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Alkalinity, Hydroxide as CaCO3   | < 20      | mg/L     | L82935-10 | 9/9/2023  |  |
| 800 | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Ammonia Nitrogen                 | < 0.2     | mg/L     | L82935-10 | 9/18/2023 |  |
| 800 | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Bicarbonate as HCO3              | 323       | mg/L     | L82935-10 | 9/9/2023  |  |
| 800 | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Cadmium, Total Recoverable       | < 0.00025 | mg/L     | L82935-10 | 9/13/2023 |  |
| 800 | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Calcium, Dissolved               | 363       | mg/L     | L82935-10 | 9/20/2023 |  |
| 800 | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Carbonate as CO3                 | < 20      | mg/L     | L82935-10 | 9/9/2023  |  |
| 800 | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Flow                             | 1.37      | cfs      |           | 9/6/2023  |  |
| 800 | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Hydroxide as OH                  | < 20      | mg/L     | L82935-10 | 9/9/2023  |  |
| 800 | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Indication Oil and Grease        | N         | Y/N      |           | 9/6/2023  |  |
| 800 | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Iron, Total Recoverable          | 0.245     | mg/L     | L82935-10 | 9/19/2023 |  |
| 800 | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Magnesium, Dissolved             | 416       | mg/L     | L82935-10 | 9/20/2023 |  |
| 800 | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Manganese, Total Recoverable     | 0.792     | mg/L     | L82935-10 | 9/19/2023 |  |
| 800 | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Mercury, Total                   | < 0.001   | mg/L     | L82935-10 | 9/19/2023 |  |
| 800 | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Molybdenum, Total Recoverable    | < 0.2     | mg/L     | L82935-10 | 9/20/2023 |  |
| 800 | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | NO3-NO2 Nitrogen                 | < 0.1     | mg/L     | L82935-10 | 9/16/2023 |  |
| 800 | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | pH Temperature                   | 23.2      | Deg C    | L82935-10 | 9/9/2023  |  |

|     |           |                         |      |                                   |           |                         |           |           |  |
|-----|-----------|-------------------------|------|-----------------------------------|-----------|-------------------------|-----------|-----------|--|
| 800 | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                           | 8         | S.U.                    | L82935-10 | 9/9/2023  |  |
| 800 | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Phosphorus, Orthophosphorus       | 0.012     | mg/L                    | L82935-10 | 9/7/2023  |  |
| 800 | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Selenium, Total Recoverable       | < 0.00025 | mg/L                    | L82935-10 | 9/13/2023 |  |
| 800 | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Silver, Total Recoverable         | < 0.0005  | mg/L                    | L82935-10 | 9/13/2023 |  |
| 800 | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Sodium, Dissolved                 | 45.8      | mg/L                    | L82935-10 | 9/20/2023 |  |
| 800 | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Sodium Adsorption Ratio           | 0.39      | RATIO                   | L82935-10 | 9/27/2023 |  |
| 800 | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended           | 8         | mg/L                    | L82935-10 | 9/13/2023 |  |
| 800 | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Lab        | 3580      | ums/cm                  | L82935-10 | 9/26/2023 |  |
| 800 | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Sulfates                          | 2520      | mg/L                    | L82935-10 | 9/11/2023 |  |
| 800 | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Total Dissolved Solids, Lab       | 3610      | mg/L                    | L82935-10 | 9/13/2023 |  |
| 800 | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Zinc, Total Recoverable           | < 0.1     | mg/L                    | L82935-10 | 9/19/2023 |  |
| 800 | 9/12/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                              | 1.37      | cfs                     |           | 9/12/2023 |  |
| 800 | 9/12/2023 | TWENTYMILE COAL COMPANY | GRAB | Indication Oil and Grease         | N         | Y/N                     |           | 9/12/2023 |  |
| 800 | 9/12/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                         | 7.7       | S.U.                    |           | 9/12/2023 |  |
| 800 | 9/12/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field      | 3420      | UMHOS/CM                |           | 9/12/2023 |  |
| 800 | 9/12/2023 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field                | 18.5      | Deg C                   |           | 9/12/2023 |  |
| 87  | 4/18/2023 | TWENTYMILE COAL COMPANY | GRAB | Arsenic, Total                    | < 0.002   | mg/L                    | L79932-05 | 5/3/2023  |  |
| 87  | 4/18/2023 | TWENTYMILE COAL COMPANY | GRAB | Chromium, Potentially Dissolvable | < 0.002   | mg/L                    | L79932-05 | 4/25/2023 |  |
| 87  | 4/18/2023 | TWENTYMILE COAL COMPANY | GRAB | Chromium-6, Dissolved             | < 0.02    | mg/L                    | L79932-05 | 4/18/2023 |  |
| 87  | 4/18/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                              | 0.027     | MILLION GALLONS PER DAY |           | 4/18/2023 |  |
| 87  | 4/18/2023 | TWENTYMILE COAL COMPANY | GRAB | Indication Oil and Grease         | N         | Y/N                     |           | 4/18/2023 |  |
| 87  | 4/18/2023 | TWENTYMILE COAL COMPANY | GRAB | Iron, Total Recoverable           | 1.11      | mg/L                    | L79932-05 | 5/2/2023  |  |
| 87  | 4/18/2023 | TWENTYMILE COAL COMPANY | GRAB | Lead, Potentially Dissolvable     | 0.00044   | mg/L                    | L79932-05 | 4/25/2023 |  |
| 87  | 4/18/2023 | TWENTYMILE COAL COMPANY | GRAB | Nickel, Potentially Dissolvable   | < 0.04    | mg/L                    | L79932-05 | 4/27/2023 |  |
| 87  | 4/18/2023 | TWENTYMILE COAL COMPANY | GRAB | pH Temperature                    | 21.4      | Deg C                   | L79932-05 | 5/15/2023 |  |



|    |           |                         |      |                                   |         |                         |           |           |  |
|----|-----------|-------------------------|------|-----------------------------------|---------|-------------------------|-----------|-----------|--|
| 87 | 4/18/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                         | 7.8     | S.U.                    | L79932-05 | 4/18/2023 |  |
| 87 | 4/18/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                           | 8.2     | S.U.                    | L79932-05 | 5/15/2023 |  |
| 87 | 4/18/2023 | TWENTYMILE COAL COMPANY | GRAB | Selenium, Potentially Dissolvable | 0.00127 | mg/L                    | L79932-05 | 4/25/2023 |  |
| 87 | 4/18/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable                | < 0.51  | mL/L                    | L79932-05 | 4/18/2023 |  |
| 87 | 4/18/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended           | 12      | mg/L                    | L79932-05 | 4/24/2023 |  |
| 87 | 4/18/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field      | 740     | ums/cm                  | L79932-05 | 4/18/2023 |  |
| 87 | 4/18/2023 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field                | 9.3     | Deg C                   | L79932-05 | 4/18/2023 |  |
| 87 | 4/18/2023 | TWENTYMILE COAL COMPANY | GRAB | Zinc, Potentially Dissolvable     | < 0.05  | mg/L                    | L79932-05 | 4/27/2023 |  |
| 87 | 4/27/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                              | 0.027   | MILLION GALLONS PER DAY |           | 4/27/2023 |  |
| 87 | 4/27/2023 | TWENTYMILE COAL COMPANY | GRAB | Indication Oil and Grease         | N       | Y/N                     |           | 4/27/2023 |  |
| 87 | 4/27/2023 | TWENTYMILE COAL COMPANY | GRAB | Iron, Total Recoverable           | 0.222   | mg/L                    | L80132-05 | 5/11/2023 |  |
| 87 | 4/27/2023 | TWENTYMILE COAL COMPANY | GRAB | pH Temperature                    | 22      | Deg C                   | L80132-05 | 5/19/2023 |  |
| 87 | 4/27/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                         | 7.4     | S.U.                    | L80132-05 | 4/27/2023 |  |
| 87 | 4/27/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                           | 8.4     | S.U.                    | L80132-05 | 5/19/2023 |  |
| 87 | 4/27/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable                | < 0.51  | mL/L                    | L80132-05 | 4/28/2023 |  |
| 87 | 4/27/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended           | 10      | mg/L                    | L80132-05 | 5/3/2023  |  |
| 87 | 4/27/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field      | 1600    | ums/cm                  | L80132-05 | 4/27/2023 |  |
| 87 | 4/27/2023 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field                | 12.8    | Deg C                   | L80132-05 | 4/27/2023 |  |
| 87 | 5/4/2023  | TWENTYMILE COAL COMPANY | GRAB | Arsenic, Total                    | 0.00062 | mg/L                    | L80247-04 | 5/18/2023 |  |
| 87 | 5/4/2023  | TWENTYMILE COAL COMPANY | GRAB | Chromium, Potentially Dissolvable | < 0.002 | mg/L                    | L80247-04 | 5/11/2023 |  |
| 87 | 5/4/2023  | TWENTYMILE COAL COMPANY | GRAB | Chromium-6, Dissolved             | < 0.02  | mg/L                    | L80247-04 | 5/4/2023  |  |
| 87 | 5/4/2023  | TWENTYMILE COAL COMPANY | GRAB | Flow                              | 0.682   | MILLION GALLONS PER DAY |           | 5/4/2023  |  |
| 87 | 5/4/2023  | TWENTYMILE COAL COMPANY | GRAB | Indication Oil and Grease         | N       | Y/N                     |           | 5/4/2023  |  |
| 87 | 5/4/2023  | TWENTYMILE COAL COMPANY | GRAB | Iron, Total Recoverable           | 0.165   | mg/L                    | L80247-04 | 5/16/2023 |  |

|    |           |                         |      |                                   |          |                         |           |           |  |
|----|-----------|-------------------------|------|-----------------------------------|----------|-------------------------|-----------|-----------|--|
| 87 | 5/4/2023  | TWENTYMILE COAL COMPANY | GRAB | Lead, Potentially Dissolvable     | < 0.0005 | mg/L                    | L80247-04 | 5/11/2023 |  |
| 87 | 5/4/2023  | TWENTYMILE COAL COMPANY | GRAB | Nickel, Potentially Dissolvable   | < 0.04   | mg/L                    | L80247-04 | 5/11/2023 |  |
| 87 | 5/4/2023  | TWENTYMILE COAL COMPANY | GRAB | pH Temperature                    | 22.1     | Deg C                   | L80247-04 | 5/19/2023 |  |
| 87 | 5/4/2023  | TWENTYMILE COAL COMPANY | GRAB | pH, Field                         | 8        | S.U.                    | L80247-04 | 5/4/2023  |  |
| 87 | 5/4/2023  | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                           | 8.3      | S.U.                    | L80247-04 | 5/19/2023 |  |
| 87 | 5/4/2023  | TWENTYMILE COAL COMPANY | GRAB | Selenium, Potentially Dissolvable | 0.0026   | mg/L                    | L80247-04 | 5/11/2023 |  |
| 87 | 5/4/2023  | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable                | < 0.52   | mL/L                    | L80247-04 | 5/4/2023  |  |
| 87 | 5/4/2023  | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended           | 8        | mg/L                    | L80247-04 | 5/10/2023 |  |
| 87 | 5/4/2023  | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field      | 2070     | ums/cm                  | L80247-04 | 5/4/2023  |  |
| 87 | 5/4/2023  | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field                | 14.5     | Deg C                   | L80247-04 | 5/4/2023  |  |
| 87 | 5/4/2023  | TWENTYMILE COAL COMPANY | GRAB | Zinc, Potentially Dissolvable     | < 0.05   | mg/L                    | L80247-04 | 5/11/2023 |  |
| 87 | 5/10/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                              | 1.746    | MILLION GALLONS PER DAY |           | 5/10/2023 |  |
| 87 | 5/10/2023 | TWENTYMILE COAL COMPANY | GRAB | Indication Oil and Grease         | N        | Y/N                     |           | 5/10/2023 |  |
| 87 | 5/10/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                         | 7.8      | S.U.                    | L80395-04 | 5/10/2023 |  |
| 87 | 5/10/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable                | < 0.49   | mL/L                    | L80395-04 | 5/10/2023 |  |
| 87 | 5/10/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended           | 6        | mg/L                    | L80395-04 | 5/16/2023 |  |
| 87 | 5/10/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field      | 3660     | ums/cm                  | L80395-04 | 5/10/2023 |  |
| 87 | 5/10/2023 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field                | 15.4     | Deg C                   | L80395-04 | 5/10/2023 |  |
| 87 | 5/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                              | 1.746    | MILLION GALLONS PER DAY |           | 5/17/2023 |  |
| 87 | 5/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Indication Oil and Grease         | N        | Y/N                     |           | 5/17/2023 |  |
| 87 | 5/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Iron, Total Recoverable           | < 0.3    | mg/L                    | L80529-04 | 5/23/2023 |  |
| 87 | 5/17/2023 | TWENTYMILE COAL COMPANY | GRAB | pH Temperature                    | 21.4     | Deg C                   | L80529-04 | 5/24/2023 |  |
| 87 | 5/17/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                         | 8        | S.U.                    | 80529-04  | 5/17/2023 |  |
| 87 | 5/17/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                           | 8.3      | S.U.                    | L80529-04 | 5/24/2023 |  |

|    |           |                         |      |                                   |         |                         |           |           |  |
|----|-----------|-------------------------|------|-----------------------------------|---------|-------------------------|-----------|-----------|--|
| 87 | 5/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable                | < 0.5   | mL/L                    | L80529-04 | 5/17/2023 |  |
| 87 | 5/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended           | 10      | mg/L                    | L80529-04 | 5/23/2023 |  |
| 87 | 5/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field      | 3870    | ums/cm                  | 80529-04  | 5/17/2023 |  |
| 87 | 5/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field                | 18      | Deg C                   | 80529-04  | 5/17/2023 |  |
| 87 | 5/24/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                              | 0.394   | MILLION GALLONS PER DAY |           | 5/24/2023 |  |
| 87 | 5/24/2023 | TWENTYMILE COAL COMPANY | GRAB | Indication Oil and Grease         | N       | Y/N                     |           | 5/24/2023 |  |
| 87 | 5/24/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                         | 7.8     | S.U.                    | L80639-04 | 5/24/2023 |  |
| 87 | 5/24/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable                | < 0.51  | mL/L                    | L80639-04 | 5/24/2023 |  |
| 87 | 5/24/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended           | < 20    | mg/L                    | L80639-04 | 5/30/2023 |  |
| 87 | 5/24/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field      | 3990    | ums/cm                  | L80639-04 | 5/24/2023 |  |
| 87 | 5/24/2023 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field                | 16.7    | Deg C                   | L80639-04 | 5/24/2023 |  |
| 87 | 5/31/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                              | 0.088   | MILLION GALLONS PER DAY |           | 5/31/2023 |  |
| 87 | 5/31/2023 | TWENTYMILE COAL COMPANY | GRAB | Indication Oil and Grease         | N       | Y/N                     |           | 5/31/2023 |  |
| 87 | 5/31/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                         | 8       | S.U.                    | L80770-04 | 5/31/2023 |  |
| 87 | 5/31/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable                | < 0.5   | mL/L                    | L80770-04 | 5/31/2023 |  |
| 87 | 5/31/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended           | 7       | mg/L                    | L80770-04 | 6/2/2023  |  |
| 87 | 5/31/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field      | 4020    | ums/cm                  | L80770-04 | 5/31/2023 |  |
| 87 | 5/31/2023 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field                | 18.1    | Deg C                   | L80770-04 | 5/31/2023 |  |
| 87 | 6/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Arsenic, Total                    | < 0.002 | mg/L                    | L80911-04 | 8/1/2023  |  |
| 87 | 6/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Chromium, Potentially Dissolvable | < 0.004 | mg/L                    | L80911-04 | 8/7/2023  |  |
| 87 | 6/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Flow                              | 0.007   | MILLION GALLONS PER DAY |           | 6/7/2023  |  |
| 87 | 6/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Indication Oil and Grease         | N       | Y/N                     |           | 6/7/2023  |  |
| 87 | 6/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Iron, Total Recoverable           | 0.282   | mg/L                    | L80911-04 | 6/13/2023 |  |
| 87 | 6/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Iron, Total                       | < 0.3   | mg/L                    | L80911-04 | 7/31/2023 |  |

|     |           |                         |      |                                              |          |                         |           |           |  |
|-----|-----------|-------------------------|------|----------------------------------------------|----------|-------------------------|-----------|-----------|--|
| 87  | 6/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Lead, Potentially Dissolvable                | < 0.001  | mg/L                    | L80911-04 | 8/7/2023  |  |
| 87  | 6/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Mercury, Total                               | < 0.001  | mg/L                    | L80911-04 | 7/28/2023 |  |
| 87  | 6/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Nickel, Potentially Dissolvable              | 0.00287  | mg/L                    | L80911-04 | 8/7/2023  |  |
| 87  | 6/7/2023  | TWENTYMILE COAL COMPANY | GRAB | pH Temperature                               | 22       | Deg C                   | L80911-04 | 6/16/2023 |  |
| 87  | 6/7/2023  | TWENTYMILE COAL COMPANY | GRAB | pH, Field                                    | 8.1      | S.U.                    | L80911-04 | 6/7/2023  |  |
| 87  | 6/7/2023  | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                                      | 8.4      | S.U.                    | L80911-04 | 6/16/2023 |  |
| 87  | 6/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Selenium, Potentially Dissolvable            | 0.0143   | mg/L                    | L80911-04 | 8/7/2023  |  |
| 87  | 6/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable                           | < 0.5    | mL/L                    | L80911-04 | 6/7/2023  |  |
| 87  | 6/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended                      | 7        | mg/L                    | L80911-04 | 6/14/2023 |  |
| 87  | 6/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field                 | 4060     | ums/cm                  | L80911-04 | 6/7/2023  |  |
| 87  | 6/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field                           | 21.9     | Deg C                   | L80911-04 | 6/7/2023  |  |
| 87  | 6/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Zinc, Potentially Dissolvable                | < 0.03   | mg/L                    | L80911-04 | 8/7/2023  |  |
| 87  | 6/14/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                                         | 0        | MILLION GALLONS PER DAY |           | 6/14/2023 |  |
| 87  | 6/14/2023 | TWENTYMILE COAL COMPANY | GRAB | Indication Oil and Grease                    | N        | Y/N                     |           | 6/14/2023 |  |
| 900 | 3/29/2023 |                         | GRAB | Alkalinity as CaCO <sub>3</sub> , @ pH 4.5   | 663      | mg/L                    | L79510-04 | 3/30/2023 |  |
| 900 | 3/29/2023 |                         | GRAB | Alkalinity, Bicarbonate as CaCO <sub>3</sub> | 663      | mg/L                    | L79510-04 | 3/30/2023 |  |
| 900 | 3/29/2023 |                         | GRAB | Alkalinity, Carbonate as CaCO <sub>3</sub>   | < 20     | mg/L                    | L79510-04 | 3/30/2023 |  |
| 900 | 3/29/2023 |                         | GRAB | Alkalinity, Hydroxide as CaCO <sub>3</sub>   | < 20     | mg/L                    | L79510-04 | 3/30/2023 |  |
| 900 | 3/29/2023 |                         | GRAB | Ammonia Nitrogen                             | 0.061    | mg/L                    | L79510-04 | 3/30/2023 |  |
| 900 | 3/29/2023 |                         | GRAB | Bicarbonate as HCO <sub>3</sub>              | 808      | mg/L                    | L79510-04 | 3/30/2023 |  |
| 900 | 3/29/2023 |                         | GRAB | Cadmium, Total Recoverable                   | < 0.0005 | mg/L                    | L79510-04 | 4/7/2023  |  |
| 900 | 3/29/2023 |                         | GRAB | Calcium, Dissolved                           | 146      | mg/L                    | L79510-04 | 4/7/2023  |  |
| 900 | 3/29/2023 |                         | GRAB | Carbonate as CO <sub>3</sub>                 | < 20     | mg/L                    | L79510-04 | 3/30/2023 |  |
| 900 | 3/29/2023 |                         | GRAB | Hydroxide as OH                              | < 20     | mg/L                    | L79510-04 | 3/30/2023 |  |
| 900 | 3/29/2023 |                         | GRAB | Iron, Total Recoverable                      | 1.75     | mg/L                    | L79510-04 | 4/6/2023  |  |
| 900 | 3/29/2023 |                         | GRAB | Magnesium, Dissolved                         | 120      | mg/L                    | L79510-04 | 4/7/2023  |  |
| 900 | 3/29/2023 |                         | GRAB | Manganese, Total Recoverable                 | 0.236    | mg/L                    | L79510-04 | 4/6/2023  |  |
| 900 | 3/29/2023 |                         | GRAB | Mercury, Total                               | < 0.001  | mg/L                    | L79510-04 | 4/5/2023  |  |
| 900 | 3/29/2023 |                         | GRAB | Molybdenum, Total Recoverable                | < 0.2    | mg/L                    | L79510-04 | 4/6/2023  |  |
| 900 | 3/29/2023 |                         | GRAB | NO <sub>3</sub> -NO <sub>2</sub> Nitrogen    | 0.999    | mg/L                    | L79510-04 | 4/2/2023  |  |

|     |           |                         |      |                                              |          |        |           |           |  |
|-----|-----------|-------------------------|------|----------------------------------------------|----------|--------|-----------|-----------|--|
| 900 | 3/29/2023 |                         | GRAB | pH Temperature                               | 23       | Deg C  | L79510-04 | 3/30/2023 |  |
| 900 | 3/29/2023 |                         | GRAB | pH, Field                                    | 8.2      | S.U.   | L79510-04 | 3/29/2023 |  |
| 900 | 3/29/2023 |                         | GRAB | pH, Lab                                      | 8.2      | S.U.   | L79510-04 | 3/30/2023 |  |
| 900 | 3/29/2023 |                         | GRAB | Phosphorus, Orthophosphorus                  | 0.022    | mg/L   | L79510-04 | 3/30/2023 |  |
| 900 | 3/29/2023 |                         | GRAB | Selenium, Total Recoverable                  | 0.00058  | mg/L   | L79510-04 | 4/7/2023  |  |
| 900 | 3/29/2023 |                         | GRAB | Silver, Total Recoverable                    | < 0.001  | mg/L   | L79510-04 | 4/21/2023 |  |
| 900 | 3/29/2023 |                         | GRAB | Sodium, Dissolved                            | 726      | mg/L   | L79510-04 | 4/7/2023  |  |
| 900 | 3/29/2023 |                         | GRAB | Sodium Adsorption Ratio                      | 11       | RATIO  | L79510-04 | 4/24/2023 |  |
| 900 | 3/29/2023 |                         | GRAB | Solids, Total Suspended                      | 77       | mg/L   | L79510-04 | 4/5/2023  |  |
| 900 | 3/29/2023 |                         | GRAB | Specific Conductivity, Field                 | 4020     | ums/cm | L79510-04 | 3/29/2023 |  |
| 900 | 3/29/2023 |                         | GRAB | Specific Conductivity, Lab                   | 4120     | ums/cm | L79510-04 | 3/30/2023 |  |
| 900 | 3/29/2023 |                         | GRAB | Sulfates                                     | 1690     | mg/L   | L79510-04 | 3/31/2023 |  |
| 900 | 3/29/2023 |                         | GRAB | Temperature, Field                           | 5        | Deg C  | L79510-04 | 3/29/2023 |  |
| 900 | 3/29/2023 |                         | GRAB | Total Dissolved Solids, Lab                  | 3200     | mg/L   | L79510-04 | 4/5/2023  |  |
| 900 | 3/29/2023 |                         | GRAB | Zinc, Total Recoverable                      | < 0.1    | mg/L   | L79510-04 | 4/6/2023  |  |
| 900 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Alkalinity as CaCO <sub>3</sub> , @ pH 4.5   | 280      | mg/L   | L79931-05 | 4/29/2023 |  |
| 900 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Alkalinity, Bicarbonate as CaCO <sub>3</sub> | 271      | mg/L   | L79931-05 | 4/29/2023 |  |
| 900 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Alkalinity, Carbonate as CaCO <sub>3</sub>   | 9.4      | mg/L   | L79931-05 | 4/29/2023 |  |
| 900 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Alkalinity, Hydroxide as CaCO <sub>3</sub>   | < 20     | mg/L   | L79931-05 | 4/29/2023 |  |
| 900 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Ammonia Nitrogen                             | < 0.2    | mg/L   | L79931-05 | 4/20/2023 |  |
| 900 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Bicarbonate as HCO <sub>3</sub>              | 330      | mg/L   | L79931-05 | 4/29/2023 |  |
| 900 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Cadmium, Total Recoverable                   | 0.000071 | mg/L   | L79931-05 | 4/26/2023 |  |
| 900 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Calcium, Dissolved                           | 116      | mg/L   | L79931-05 | 4/28/2023 |  |
| 900 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Carbonate as CO <sub>3</sub>                 | 5.6      | mg/L   | L79931-05 | 4/29/2023 |  |
| 900 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                                         | 40.5     | cfs    |           | 4/17/2023 |  |
| 900 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Hydroxide as OH                              | < 20     | mg/L   | L79931-05 | 4/29/2023 |  |
| 900 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Indication Oil and Grease                    | N        | Y/N    |           | 4/17/2023 |  |
| 900 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Iron, Total Recoverable                      | 1.82     | mg/L   | L79931-05 | 4/27/2023 |  |
| 900 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Magnesium, Dissolved                         | 81.9     | mg/L   | L79931-05 | 4/28/2023 |  |
| 900 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Manganese, Total Recoverable                 | 0.135    | mg/L   | L79931-05 | 4/27/2023 |  |

|     |           |                         |      |                               |          |          |           |           |  |
|-----|-----------|-------------------------|------|-------------------------------|----------|----------|-----------|-----------|--|
| 900 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Mercury, Total                | < 0.001  | mg/L     | L79931-05 | 4/25/2023 |  |
| 900 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Molybdenum, Total Recoverable | < 0.1    | mg/L     | L79931-05 | 4/27/2023 |  |
| 900 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | NO3-NO2 Nitrogen              | 0.735    | mg/L     | L79931-05 | 4/28/2023 |  |
| 900 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | pH Temperature                | 22.1     | Deg C    | L79931-05 | 4/29/2023 |  |
| 900 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                     | 8        | S.U.     | L79931-05 | 4/17/2023 |  |
| 900 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                       | 8.4      | S.U.     | L79931-05 | 4/29/2023 |  |
| 900 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Phosphorus, Orthophosphorus   | 0.126    | mg/L     | L79931-05 | 4/19/2023 |  |
| 900 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Selenium, Total Recoverable   | 0.00173  | mg/L     | L79931-05 | 4/26/2023 |  |
| 900 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Silver, Total Recoverable     | < 0.0005 | mg/L     | L79931-05 | 4/26/2023 |  |
| 900 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Sodium, Dissolved             | 217      | mg/L     | L79931-05 | 4/28/2023 |  |
| 900 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Sodium Adsorption Ratio       | 3.8      | RATIO    | L79931-05 | 5/18/2023 |  |
| 900 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended       | 50       | mg/L     | L79931-05 | 4/24/2023 |  |
| 900 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field  | 1570     | ums/cm   | L79931-05 | 4/17/2023 |  |
| 900 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Lab    | 1940     | ums/cm   | L79931-05 | 4/29/2023 |  |
| 900 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Sulfates                      | 784      | mg/L     | L79931-05 | 5/15/2023 |  |
| 900 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field            | 13       | Deg C    | L79931-05 | 4/17/2023 |  |
| 900 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Total Dissolved Solids, Lab   | 1490     | mg/L     | L79931-05 | 4/22/2023 |  |
| 900 | 4/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Zinc, Total Recoverable       | < 0.05   | mg/L     | L79931-05 | 4/27/2023 |  |
| 900 | 4/26/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                          | 47.89    | cfs      |           | 4/26/2023 |  |
| 900 | 4/26/2023 | TWENTYMILE COAL COMPANY | GRAB | Indication Oil and Grease     | N        | Y/N      |           | 4/26/2023 |  |
| 900 | 4/26/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                     | 8.1      | S.U.     |           | 4/26/2023 |  |
| 900 | 4/26/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field  | 1010     | UMHOS/CM |           | 4/26/2023 |  |
| 900 | 4/26/2023 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field            | 10.5     | Deg C    |           | 4/26/2023 |  |
| 900 | 5/25/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                          | 19.97    | cfs      |           | 5/25/2023 |  |
| 900 | 5/25/2023 | TWENTYMILE COAL COMPANY | GRAB | Indication Oil and Grease     | N        | Y/N      |           | 5/25/2023 |  |

|     |           |                         |      |                                              |           |          |           |           |  |
|-----|-----------|-------------------------|------|----------------------------------------------|-----------|----------|-----------|-----------|--|
| 900 | 5/25/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                                    | 8.2       | S.U.     |           | 5/25/2023 |  |
| 900 | 5/25/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field                 | 2920      | UMHOS/CM |           | 5/25/2023 |  |
| 900 | 5/25/2023 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field                           | 17.3      | Deg C    |           | 5/25/2023 |  |
| 900 | 6/28/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                                         | 5.9       | cfs      |           | 6/28/2023 |  |
| 900 | 6/28/2023 | TWENTYMILE COAL COMPANY | GRAB | Indication Oil and Grease                    | N         | Y/N      |           | 6/28/2023 |  |
| 900 | 6/29/2023 |                         | GRAB | Alkalinity as CaCO <sub>3</sub> , @ pH 4.5   | 325       | mg/L     | L81472-06 | 7/11/2023 |  |
| 900 | 6/29/2023 |                         | GRAB | Alkalinity, Bicarbonate as CaCO <sub>3</sub> | 286       | mg/L     | L81472-06 | 7/11/2023 |  |
| 900 | 6/29/2023 |                         | GRAB | Alkalinity, Carbonate as CaCO <sub>3</sub>   | 38.9      | mg/L     | L81472-06 | 7/11/2023 |  |
| 900 | 6/29/2023 |                         | GRAB | Alkalinity, Hydroxide as CaCO <sub>3</sub>   | < 20      | mg/L     | L81472-06 | 7/11/2023 |  |
| 900 | 6/29/2023 |                         | GRAB | Ammonia Nitrogen                             | < 0.2     | mg/L     | L81472-06 | 7/13/2023 |  |
| 900 | 6/29/2023 |                         | GRAB | Bicarbonate as HCO <sub>3</sub>              | 349       | mg/L     | L81472-06 | 7/11/2023 |  |
| 900 | 6/29/2023 |                         | GRAB | Cadmium, Total Recoverable                   | < 0.00025 | mg/L     | L81472-06 | 7/10/2023 |  |
| 900 | 6/29/2023 |                         | GRAB | Calcium, Dissolved                           | 224       | mg/L     | L81472-06 | 7/11/2023 |  |
| 900 | 6/29/2023 |                         | GRAB | Carbonate as CO <sub>3</sub>                 | 23.4      | mg/L     | L81472-06 | 7/11/2023 |  |
| 900 | 6/29/2023 |                         | GRAB | Hydroxide as OH                              | < 20      | mg/L     | L81472-06 | 7/11/2023 |  |
| 900 | 6/29/2023 |                         | GRAB | Iron, Total Recoverable                      | < 0.15    | mg/L     | L81472-06 | 7/8/2023  |  |
| 900 | 6/29/2023 |                         | GRAB | Magnesium, Dissolved                         | 236       | mg/L     | L81472-06 | 7/11/2023 |  |
| 900 | 6/29/2023 |                         | GRAB | Manganese, Total Recoverable                 | 0.012     | mg/L     | L81472-06 | 7/8/2023  |  |
| 900 | 6/29/2023 |                         | GRAB | Mercury, Total                               | < 0.001   | mg/L     | L81472-06 | 7/6/2023  |  |
| 900 | 6/29/2023 |                         | GRAB | Molybdenum, Total Recoverable                | < 0.1     | mg/L     | L81472-06 | 7/8/2023  |  |
| 900 | 6/29/2023 |                         | GRAB | NO <sub>3</sub> -NO <sub>2</sub> Nitrogen    | < 0.1     | mg/L     | L81472-06 | 7/9/2023  |  |
| 900 | 6/29/2023 |                         | GRAB | pH Temperature                               | 23.2      | Deg C    | L81472-06 | 7/20/2023 |  |
| 900 | 6/29/2023 |                         | GRAB | pH, Field                                    | 8.3       | S.U.     | L81472-06 | 6/29/2023 |  |
| 900 | 6/29/2023 |                         | GRAB | pH, Lab                                      | 8.4       | S.U.     | L81472-06 | 7/20/2023 |  |
| 900 | 6/29/2023 |                         | GRAB | Phosphorus, Orthophosphorus                  | 0.029     | mg/L     | L81472-06 | 6/30/2023 |  |
| 900 | 6/29/2023 |                         | GRAB | Selenium, Total Recoverable                  | 0.00071   | mg/L     | L81472-06 | 7/10/2023 |  |
| 900 | 6/29/2023 |                         | GRAB | Silver, Total Recoverable                    | < 0.001   | mg/L     | L81472-06 | 7/12/2023 |  |
| 900 | 6/29/2023 |                         | GRAB | Sodium, Dissolved                            | 276       | mg/L     | L81472-06 | 7/11/2023 |  |
| 900 | 6/29/2023 |                         | GRAB | Sodium Adsorption Ratio                      | 3.1       | RATIO    | L81472-06 | 7/27/2023 |  |
| 900 | 6/29/2023 |                         | GRAB | Solids, Total Suspended                      | 9         | mg/L     | L81472-06 | 7/17/2023 |  |
| 900 | 6/29/2023 |                         | GRAB | Specific Conductivity, Field                 | 2940      | ums/cm   | L81472-06 | 6/29/2023 |  |
| 900 | 6/29/2023 |                         | GRAB | Specific Conductivity, Lab                   | 3220      | ums/cm   | L81472-06 | 7/11/2023 |  |
| 900 | 6/29/2023 |                         | GRAB | Sulfates                                     | 1760      | mg/L     | L81472-06 | 7/20/2023 |  |
| 900 | 6/29/2023 |                         | GRAB | Temperature, Field                           | 21.7      | Deg C    | L81472-06 | 6/29/2023 |  |
| 900 | 6/29/2023 |                         | GRAB | Total Dissolved Solids, Lab                  | 3020      | mg/L     | L81472-06 | 7/5/2023  |  |

|     |           |                         |      |                                              |           |          |           |           |  |
|-----|-----------|-------------------------|------|----------------------------------------------|-----------|----------|-----------|-----------|--|
| 900 | 6/29/2023 |                         | GRAB | Zinc, Total Recoverable                      | < 0.05    | mg/L     | L81472-06 | 7/8/2023  |  |
| 900 | 7/27/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                                         | 1.6       | cfs      |           | 7/27/2023 |  |
| 900 | 7/27/2023 | TWENTYMILE COAL COMPANY | GRAB | Indication Oil and Grease                    | N         | Y/N      |           | 7/27/2023 |  |
| 900 | 7/27/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                                    | 8.4       | S.U.     |           | 7/27/2023 |  |
| 900 | 7/27/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field                 | 3060      | UMHOS/CM |           | 7/27/2023 |  |
| 900 | 7/27/2023 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field                           | 18.7      | Deg C    |           | 7/27/2023 |  |
| 900 | 8/3/2023  | TWENTYMILE COAL COMPANY | GRAB | Flow                                         | 1.04      | cfs      |           | 8/3/2023  |  |
| 900 | 8/3/2023  | TWENTYMILE COAL COMPANY | GRAB | Indication Oil and Grease                    | N         | Y/N      |           | 8/3/2023  |  |
| 900 | 8/3/2023  | TWENTYMILE COAL COMPANY | GRAB | pH, Field                                    | 8.3       | S.U.     |           | 8/3/2023  |  |
| 900 | 8/3/2023  | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field                 | 2940      | UMHOS/CM |           | 8/3/2023  |  |
| 900 | 8/3/2023  | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field                           | 24.3      | Deg C    |           | 8/3/2023  |  |
| 900 | 8/9/2023  | TWENTYMILE COAL COMPANY | GRAB | Flow                                         | 1.04      | cfs      |           | 8/9/2023  |  |
| 900 | 8/9/2023  | TWENTYMILE COAL COMPANY | GRAB | Indication Oil and Grease                    | N         | Y/N      |           | 8/9/2023  |  |
| 900 | 8/9/2023  | TWENTYMILE COAL COMPANY | GRAB | pH, Field                                    | 8.3       | S.U.     |           | 8/9/2023  |  |
| 900 | 8/9/2023  | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field                 | 2680      | UMHOS/CM |           | 8/9/2023  |  |
| 900 | 8/9/2023  | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field                           | 21.8      | Deg C    |           | 8/9/2023  |  |
| 900 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Alkalinity as CaCO <sub>3</sub> , @ pH 4.5   | 282       | mg/L     | L82518-14 | 8/24/2023 |  |
| 900 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Alkalinity, Bicarbonate as CaCO <sub>3</sub> | 262       | mg/L     | L82518-14 | 8/24/2023 |  |
| 900 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Alkalinity, Carbonate as CaCO <sub>3</sub>   | 19.8      | mg/L     | L82518-14 | 8/24/2023 |  |
| 900 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Alkalinity, Hydroxide as CaCO <sub>3</sub>   | < 20      | mg/L     | L82518-14 | 8/24/2023 |  |
| 900 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Ammonia Nitrogen                             | < 0.2     | mg/L     | L82518-14 | 8/29/2023 |  |
| 900 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Bicarbonate as HCO <sub>3</sub>              | 319       | mg/L     | L82518-14 | 8/24/2023 |  |
| 900 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Cadmium, Total Recoverable                   | < 0.00025 | mg/L     | L82518-14 | 8/24/2023 |  |
| 900 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Calcium, Dissolved                           | 232       | mg/L     | L82518-14 | 8/25/2023 |  |
| 900 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Carbonate as CO <sub>3</sub>                 | 11.9      | mg/L     | L82518-14 | 8/24/2023 |  |
| 900 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                                         | 0.71      | cfs      |           | 8/16/2023 |  |



|     |           |                         |      |                               |          |          |           |           |  |
|-----|-----------|-------------------------|------|-------------------------------|----------|----------|-----------|-----------|--|
| 900 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Hydroxide as OH               | < 20     | mg/L     | L82518-14 | 8/24/2023 |  |
| 900 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Indication Oil and Grease     | N        | Y/N      |           | 8/16/2023 |  |
| 900 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Iron, Total Recoverable       | 0.262    | mg/L     | L82518-14 | 8/30/2023 |  |
| 900 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Magnesium, Dissolved          | 273      | mg/L     | L82518-14 | 8/25/2023 |  |
| 900 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Manganese, Total Recoverable  | 0.127    | mg/L     | L82518-14 | 8/30/2023 |  |
| 900 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Mercury, Total                | < 0.001  | mg/L     | L82518-14 | 8/22/2023 |  |
| 900 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Molybdenum, Total Recoverable | < 0.2    | mg/L     | L82518-14 | 8/30/2023 |  |
| 900 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | NO3-NO2 Nitrogen              | < 0.1    | mg/L     | L82518-14 | 8/25/2023 |  |
| 900 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | pH Temperature                | 23       | Deg C    | L82518-14 | 8/24/2023 |  |
| 900 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                       | 8.4      | S.U.     | L82518-14 | 8/24/2023 |  |
| 900 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Phosphorus, Orthophosphorus   | 0.019    | mg/L     | L82518-14 | 8/18/2023 |  |
| 900 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Selenium, Total Recoverable   | 0.00036  | mg/L     | L82518-14 | 8/24/2023 |  |
| 900 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Silver, Total Recoverable     | < 0.0005 | mg/L     | L82518-14 | 8/24/2023 |  |
| 900 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Sodium, Dissolved             | 208      | mg/L     | L82518-14 | 8/25/2023 |  |
| 900 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Sodium Adsorption Ratio       | 2.2      | RATIO    | L82518-14 | 9/19/2023 |  |
| 900 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended       | 11       | mg/L     | L82518-14 | 8/23/2023 |  |
| 900 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Lab    | 3150     | ums/cm   | L82518-14 | 8/24/2023 |  |
| 900 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Sulfates                      | 1770     | mg/L     | L82518-14 | 8/24/2023 |  |
| 900 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Total Dissolved Solids, Lab   | 2860     | mg/L     | L82518-14 | 8/23/2023 |  |
| 900 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Zinc, Total Recoverable       | < 0.1    | mg/L     | L82518-14 | 8/30/2023 |  |
| 900 | 8/23/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                          | 1.14     | cfs      |           | 8/23/2023 |  |
| 900 | 8/23/2023 | TWENTYMILE COAL COMPANY | GRAB | Indication Oil and Grease     | N        | Y/N      |           | 8/23/2023 |  |
| 900 | 8/23/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                     | 8.4      | S.U.     |           | 8/23/2023 |  |
| 900 | 8/23/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field  | 3220     | UMHOS/CM |           | 8/23/2023 |  |
| 900 | 8/23/2023 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field            | 21.8     | Deg C    |           | 8/23/2023 |  |

|     |           |                         |      |                                              |           |          |           |           |  |
|-----|-----------|-------------------------|------|----------------------------------------------|-----------|----------|-----------|-----------|--|
| 900 | 8/30/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                                         | 1.29      | cfs      |           | 8/30/2023 |  |
| 900 | 8/30/2023 | TWENTYMILE COAL COMPANY | GRAB | Indication Oil and Grease                    | N         | Y/N      |           | 8/30/2023 |  |
| 900 | 8/30/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                                    | 8.3       | S.U.     |           | 8/30/2023 |  |
| 900 | 8/30/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field                 | 2890      | UMHOS/CM |           | 8/30/2023 |  |
| 900 | 8/30/2023 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field                           | 21.3      | Deg C    |           | 8/30/2023 |  |
| 900 | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Alkalinity as CaCO <sub>3</sub> , @ pH 4.5   | 306       | mg/L     | L82935-03 | 9/9/2023  |  |
| 900 | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Alkalinity, Bicarbonate as CaCO <sub>3</sub> | 278       | mg/L     | L82935-03 | 9/9/2023  |  |
| 900 | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Alkalinity, Carbonate as CaCO <sub>3</sub>   | 28.3      | mg/L     | L82935-03 | 9/9/2023  |  |
| 900 | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Alkalinity, Hydroxide as CaCO <sub>3</sub>   | < 20      | mg/L     | L82935-03 | 9/9/2023  |  |
| 900 | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Ammonia Nitrogen                             | < 0.2     | mg/L     | L82935-03 | 9/15/2023 |  |
| 900 | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Bicarbonate as HCO <sub>3</sub>              | 339       | mg/L     | L82935-03 | 9/9/2023  |  |
| 900 | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Cadmium, Total Recoverable                   | < 0.00025 | mg/L     | L82935-03 | 9/13/2023 |  |
| 900 | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Calcium, Dissolved                           | 253       | mg/L     | L82935-03 | 9/19/2023 |  |
| 900 | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Carbonate as CO <sub>3</sub>                 | 17        | mg/L     | L82935-03 | 9/9/2023  |  |
| 900 | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Flow                                         | 1.68      | cfs      |           | 9/6/2023  |  |
| 900 | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Hydroxide as OH                              | < 20      | mg/L     | L82935-03 | 9/9/2023  |  |
| 900 | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Indication Oil and Grease                    | N         | Y/N      |           | 9/6/2023  |  |
| 900 | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Iron, Total Recoverable                      | 0.192     | mg/L     | L82935-03 | 9/19/2023 |  |
| 900 | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Magnesium, Dissolved                         | 284       | mg/L     | L82935-03 | 9/19/2023 |  |
| 900 | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Manganese, Total Recoverable                 | 0.074     | mg/L     | L82935-03 | 9/19/2023 |  |
| 900 | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Mercury, Total                               | < 0.001   | mg/L     | L82935-03 | 9/19/2023 |  |
| 900 | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Molybdenum, Total Recoverable                | < 0.2     | mg/L     | L82935-03 | 9/20/2023 |  |
| 900 | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | NO <sub>3</sub> -NO <sub>2</sub> Nitrogen    | < 0.1     | mg/L     | L82935-03 | 9/16/2023 |  |
| 900 | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | pH Temperature                               | 23        | Deg C    | L82935-03 | 9/9/2023  |  |
| 900 | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | pH, Field                                    | 8.3       | S.U.     | L82935-03 | 9/6/2023  |  |

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|------|-----------|-------------------------|------|----------------------------------------------|----------|----------|-----------|-----------|--|
| 900  | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                                      | 8.4      | S.U.     | L82935-03 | 9/9/2023  |  |
| 900  | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Phosphorus, Orthophosphorus                  | 0.034    | mg/L     | L82935-03 | 9/7/2023  |  |
| 900  | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Selenium, Total Recoverable                  | 0.00026  | mg/L     | L82935-03 | 9/13/2023 |  |
| 900  | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Silver, Total Recoverable                    | < 0.0005 | mg/L     | L82935-03 | 9/13/2023 |  |
| 900  | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Sodium, Dissolved                            | 169      | mg/L     | L82935-03 | 9/19/2023 |  |
| 900  | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Sodium Adsorption Ratio                      | 1.8      | RATIO    | L82935-03 | 9/27/2023 |  |
| 900  | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended                      | 9        | mg/L     | L82935-03 | 9/13/2023 |  |
| 900  | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field                 | 2890     | ums/cm   | L82935-03 | 9/6/2023  |  |
| 900  | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Lab                   | 3090     | ums/cm   | L82935-03 | 9/26/2023 |  |
| 900  | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Sulfates                                     | 1880     | mg/L     | L82935-03 | 9/11/2023 |  |
| 900  | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field                           | 21.4     | Deg C    | L82935-03 | 9/6/2023  |  |
| 900  | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Total Dissolved Solids, Lab                  | 2960     | mg/L     | L82935-03 | 9/13/2023 |  |
| 900  | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Zinc, Total Recoverable                      | < 0.1    | mg/L     | L82935-03 | 9/19/2023 |  |
| 900  | 9/12/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                                         | 1.19     | cfs      |           | 9/12/2023 |  |
| 900  | 9/12/2023 | TWENTYMILE COAL COMPANY | GRAB | Indication Oil and Grease                    | N        | Y/N      |           | 9/12/2023 |  |
| 900  | 9/12/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                                    | 8.6      | S.U.     |           | 9/12/2023 |  |
| 900  | 9/12/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field                 | 2990     | UMHOS/CM |           | 9/12/2023 |  |
| 900  | 9/12/2023 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field                           | 17.7     | Deg C    |           | 9/12/2023 |  |
| SW13 | 6/28/2023 | TWENTYMILE COAL COMPANY | GRAB | Alkalinity as CaCO <sub>3</sub> , @ pH 4.5   | 261      | mg/L     | L81472-03 | 7/11/2023 |  |
| SW13 | 6/28/2023 | TWENTYMILE COAL COMPANY | GRAB | Alkalinity, Bicarbonate as CaCO <sub>3</sub> | 234      | mg/L     | L81472-03 | 7/11/2023 |  |
| SW13 | 6/28/2023 | TWENTYMILE COAL COMPANY | GRAB | Alkalinity, Carbonate as CaCO <sub>3</sub>   | 27.6     | mg/L     | L81472-03 | 7/11/2023 |  |
| SW13 | 6/28/2023 | TWENTYMILE COAL COMPANY | GRAB | Alkalinity, Hydroxide as CaCO <sub>3</sub>   | < 20     | mg/L     | L81472-03 | 7/11/2023 |  |
| SW13 | 6/28/2023 | TWENTYMILE COAL COMPANY | GRAB | Ammonia Nitrogen                             | < 0.2    | mg/L     | L81472-03 | 7/13/2023 |  |
| SW13 | 6/28/2023 | TWENTYMILE COAL COMPANY | GRAB | Bicarbonate as HCO <sub>3</sub>              | 285      | mg/L     | L81472-03 | 7/11/2023 |  |
| SW13 | 6/28/2023 | TWENTYMILE COAL COMPANY | GRAB | Cadmium, Total Recoverable                   | 0.000059 | mg/L     | L81472-03 | 7/10/2023 |  |

|      |           |                         |      |                                           |          |        |           |           |  |
|------|-----------|-------------------------|------|-------------------------------------------|----------|--------|-----------|-----------|--|
| SW13 | 6/28/2023 | TWENTYMILE COAL COMPANY | GRAB | Calcium, Dissolved                        | 86.4     | mg/L   | L81472-03 | 7/11/2023 |  |
| SW13 | 6/28/2023 | TWENTYMILE COAL COMPANY | GRAB | Carbonate as CO <sub>3</sub>              | 16.5     | mg/L   | L81472-03 | 7/11/2023 |  |
| SW13 | 6/28/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                                      | 18.78    | cfs    |           | 6/28/2023 |  |
| SW13 | 6/28/2023 | TWENTYMILE COAL COMPANY | GRAB | Hydroxide as OH                           | < 20     | mg/L   | L81472-03 | 7/11/2023 |  |
| SW13 | 6/28/2023 | TWENTYMILE COAL COMPANY | GRAB | Indication Oil and Grease                 | N        | Y/N    |           | 6/28/2023 |  |
| SW13 | 6/28/2023 | TWENTYMILE COAL COMPANY | GRAB | Iron, Total Recoverable                   | 0.92     | mg/L   | L81472-03 | 7/8/2023  |  |
| SW13 | 6/28/2023 | TWENTYMILE COAL COMPANY | GRAB | Magnesium, Dissolved                      | 44.8     | mg/L   | L81472-03 | 7/11/2023 |  |
| SW13 | 6/28/2023 | TWENTYMILE COAL COMPANY | GRAB | Manganese, Total Recoverable              | 0.051    | mg/L   | L81472-03 | 7/8/2023  |  |
| SW13 | 6/28/2023 | TWENTYMILE COAL COMPANY | GRAB | Mercury, Total                            | < 0.001  | mg/L   | L81472-03 | 7/6/2023  |  |
| SW13 | 6/28/2023 | TWENTYMILE COAL COMPANY | GRAB | Molybdenum, Total Recoverable             | < 0.1    | mg/L   | L81472-03 | 7/8/2023  |  |
| SW13 | 6/28/2023 | TWENTYMILE COAL COMPANY | GRAB | NO <sub>3</sub> -NO <sub>2</sub> Nitrogen | < 0.1    | mg/L   | L81472-03 | 7/9/2023  |  |
| SW13 | 6/28/2023 | TWENTYMILE COAL COMPANY | GRAB | pH Temperature                            | 23.2     | Deg C  | L81472-03 | 7/20/2023 |  |
| SW13 | 6/28/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                                 | 8.4      | S.U.   | L81472-03 | 6/28/2023 |  |
| SW13 | 6/28/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                                   | 8.5      | S.U.   | L81472-03 | 7/20/2023 |  |
| SW13 | 6/28/2023 | TWENTYMILE COAL COMPANY | GRAB | Phosphorus, Orthophosphorus               | < 0.05   | mg/L   | L81472-03 | 6/30/2023 |  |
| SW13 | 6/28/2023 | TWENTYMILE COAL COMPANY | GRAB | Selenium, Total Recoverable               | 0.00051  | mg/L   | L81472-03 | 7/10/2023 |  |
| SW13 | 6/28/2023 | TWENTYMILE COAL COMPANY | GRAB | Silver, Total Recoverable                 | < 0.0005 | mg/L   | L81472-03 | 7/12/2023 |  |
| SW13 | 6/28/2023 | TWENTYMILE COAL COMPANY | GRAB | Sodium, Dissolved                         | 33       | mg/L   | L81472-03 | 7/11/2023 |  |
| SW13 | 6/28/2023 | TWENTYMILE COAL COMPANY | GRAB | Sodium Adsorption Ratio                   | 0.73     | RATIO  | L81472-03 | 7/27/2023 |  |
| SW13 | 6/28/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended                   | 25       | mg/L   | L81472-03 | 7/13/2023 |  |
| SW13 | 6/28/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field              | 770      | ums/cm | L81472-03 | 6/28/2023 |  |
| SW13 | 6/28/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Lab                | 815      | ums/cm | L81472-03 | 7/11/2023 |  |
| SW13 | 6/28/2023 | TWENTYMILE COAL COMPANY | GRAB | Sulfates                                  | 193      | mg/L   | L81472-03 | 7/20/2023 |  |
| SW13 | 6/28/2023 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field                        | 23       | Deg C  | L81472-03 | 6/28/2023 |  |
| SW13 | 6/28/2023 | TWENTYMILE COAL COMPANY | GRAB | Total Dissolved Solids, Lab               | 564      | mg/L   | L81472-03 | 7/5/2023  |  |

|      |           |                         |      |                                              |           |       |           |           |  |
|------|-----------|-------------------------|------|----------------------------------------------|-----------|-------|-----------|-----------|--|
| SW13 | 6/28/2023 | TWENTYMILE COAL COMPANY | GRAB | Zinc, Total Recoverable                      | < 0.05    | mg/L  | L81472-03 | 7/8/2023  |  |
| SW13 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Alkalinity as CaCO <sub>3</sub> , @ pH 4.5   | 270       | mg/L  | L82518-11 | 8/24/2023 |  |
| SW13 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Alkalinity, Bicarbonate as CaCO <sub>3</sub> | 257       | mg/L  | L82518-11 | 8/24/2023 |  |
| SW13 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Alkalinity, Carbonate as CaCO <sub>3</sub>   | 12.7      | mg/L  | L82518-11 | 8/24/2023 |  |
| SW13 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Alkalinity, Hydroxide as CaCO <sub>3</sub>   | < 20      | mg/L  | L82518-11 | 8/24/2023 |  |
| SW13 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Ammonia Nitrogen                             | < 0.2     | mg/L  | L82518-11 | 8/29/2023 |  |
| SW13 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Bicarbonate as HCO <sub>3</sub>              | 314       | mg/L  | L82518-11 | 8/24/2023 |  |
| SW13 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Cadmium, Total Recoverable                   | < 0.00025 | mg/L  | L82518-11 | 8/24/2023 |  |
| SW13 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Calcium, Dissolved                           | 71        | mg/L  | L82518-11 | 8/25/2023 |  |
| SW13 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Carbonate as CO <sub>3</sub>                 | 7.6       | mg/L  | L82518-11 | 8/24/2023 |  |
| SW13 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                                         | 1.31      | cfs   |           | 8/16/2023 |  |
| SW13 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Hydroxide as OH                              | < 20      | mg/L  | L82518-11 | 8/24/2023 |  |
| SW13 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Indication Oil and Grease                    | N         | Y/N   |           | 8/16/2023 |  |
| SW13 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Iron, Total Recoverable                      | 0.194     | mg/L  | L82518-11 | 8/30/2023 |  |
| SW13 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Magnesium, Dissolved                         | 51.6      | mg/L  | L82518-11 | 8/25/2023 |  |
| SW13 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Manganese, Total Recoverable                 | 0.021     | mg/L  | L82518-11 | 8/30/2023 |  |
| SW13 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Mercury, Total                               | < 0.001   | mg/L  | L82518-11 | 8/22/2023 |  |
| SW13 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Molybdenum, Total Recoverable                | < 0.1     | mg/L  | L82518-11 | 8/30/2023 |  |
| SW13 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | NO <sub>3</sub> -NO <sub>2</sub> Nitrogen    | < 0.1     | mg/L  | L82518-11 | 8/25/2023 |  |
| SW13 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | pH Temperature                               | 23.1      | Deg C | L82518-11 | 8/24/2023 |  |
| SW13 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                                      | 8.4       | S.U.  | L82518-11 | 8/24/2023 |  |
| SW13 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Phosphorus, Orthophosphorus                  | < 0.05    | mg/L  | L82518-11 | 8/18/2023 |  |
| SW13 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Selenium, Total Recoverable                  | 0.00035   | mg/L  | L82518-11 | 8/24/2023 |  |
| SW13 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Silver, Total Recoverable                    | < 0.0005  | mg/L  | L82518-11 | 8/24/2023 |  |
| SW13 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Sodium, Dissolved                            | 33.3      | mg/L  | L82518-11 | 8/25/2023 |  |

|      |           |                         |      |                                              |           |        |           |           |  |
|------|-----------|-------------------------|------|----------------------------------------------|-----------|--------|-----------|-----------|--|
| SW13 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Sodium Adsorption Ratio                      | 0.74      | RATIO  | L82518-11 | 9/19/2023 |  |
| SW13 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended                      | 5         | mg/L   | L82518-11 | 8/23/2023 |  |
| SW13 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Lab                   | 830       | ums/cm | L82518-11 | 8/24/2023 |  |
| SW13 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Sulfates                                     | 186       | mg/L   | L82518-11 | 8/24/2023 |  |
| SW13 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Total Dissolved Solids, Lab                  | 536       | mg/L   | L82518-11 | 8/23/2023 |  |
| SW13 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Zinc, Total Recoverable                      | < 0.05    | mg/L   | L82518-11 | 8/30/2023 |  |
| SW14 | 6/28/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                                         | 8.37      | cfs    |           | 6/28/2023 |  |
| SW14 | 6/28/2023 | TWENTYMILE COAL COMPANY | GRAB | Indication Oil and Grease                    | N         | Y/N    |           | 6/28/2023 |  |
| SW14 | 6/29/2023 |                         | GRAB | Alkalinity as CaCO <sub>3</sub> , @ pH 4.5   | 268       | mg/L   | L81472-04 | 7/11/2023 |  |
| SW14 | 6/29/2023 |                         | GRAB | Alkalinity, Bicarbonate as CaCO <sub>3</sub> | 237       | mg/L   | L81472-04 | 7/11/2023 |  |
| SW14 | 6/29/2023 |                         | GRAB | Alkalinity, Carbonate as CaCO <sub>3</sub>   | 31.3      | mg/L   | L81472-04 | 7/11/2023 |  |
| SW14 | 6/29/2023 |                         | GRAB | Alkalinity, Hydroxide as CaCO <sub>3</sub>   | < 20      | mg/L   | L81472-04 | 7/11/2023 |  |
| SW14 | 6/29/2023 |                         | GRAB | Ammonia Nitrogen                             | < 0.2     | mg/L   | L81472-04 | 7/13/2023 |  |
| SW14 | 6/29/2023 |                         | GRAB | Bicarbonate as HCO <sub>3</sub>              | 289       | mg/L   | L81472-04 | 7/11/2023 |  |
| SW14 | 6/29/2023 |                         | GRAB | Cadmium, Total Recoverable                   | < 0.00025 | mg/L   | L81472-04 | 7/10/2023 |  |
| SW14 | 6/29/2023 |                         | GRAB | Calcium, Dissolved                           | 93.2      | mg/L   | L81472-04 | 7/11/2023 |  |
| SW14 | 6/29/2023 |                         | GRAB | Carbonate as CO <sub>3</sub>                 | 18.8      | mg/L   | L81472-04 | 7/11/2023 |  |
| SW14 | 6/29/2023 |                         | GRAB | Hydroxide as OH                              | < 20      | mg/L   | L81472-04 | 7/11/2023 |  |
| SW14 | 6/29/2023 |                         | GRAB | Iron, Total Recoverable                      | 0.488     | mg/L   | L81472-04 | 7/8/2023  |  |
| SW14 | 6/29/2023 |                         | GRAB | Magnesium, Dissolved                         | 48.6      | mg/L   | L81472-04 | 7/11/2023 |  |
| SW14 | 6/29/2023 |                         | GRAB | Manganese, Total Recoverable                 | 0.025     | mg/L   | L81472-04 | 7/8/2023  |  |
| SW14 | 6/29/2023 |                         | GRAB | Mercury, Total                               | < 0.001   | mg/L   | L81472-04 | 7/6/2023  |  |
| SW14 | 6/29/2023 |                         | GRAB | Molybdenum, Total Recoverable                | < 0.1     | mg/L   | L81472-04 | 7/8/2023  |  |
| SW14 | 6/29/2023 |                         | GRAB | NO <sub>3</sub> -NO <sub>2</sub> Nitrogen    | < 0.1     | mg/L   | L81472-04 | 7/9/2023  |  |
| SW14 | 6/29/2023 |                         | GRAB | pH Temperature                               | 23.3      | Deg C  | L81472-04 | 7/20/2023 |  |
| SW14 | 6/29/2023 |                         | GRAB | pH, Field                                    | 8.1       | S.U.   | L81472-04 | 6/29/2023 |  |
| SW14 | 6/29/2023 |                         | GRAB | pH, Lab                                      | 8.5       | S.U.   | L81472-04 | 7/20/2023 |  |
| SW14 | 6/29/2023 |                         | GRAB | Phosphorus, Orthophosphorus                  | < 0.05    | mg/L   | L81472-04 | 6/30/2023 |  |
| SW14 | 6/29/2023 |                         | GRAB | Selenium, Total Recoverable                  | 0.00052   | mg/L   | L81472-04 | 7/10/2023 |  |
| SW14 | 6/29/2023 |                         | GRAB | Silver, Total Recoverable                    | < 0.0005  | mg/L   | L81472-04 | 7/12/2023 |  |
| SW14 | 6/29/2023 |                         | GRAB | Sodium, Dissolved                            | 38        | mg/L   | L81472-04 | 7/11/2023 |  |
| SW14 | 6/29/2023 |                         | GRAB | Sodium Adsorption Ratio                      | 0.8       | RATIO  | L81472-04 | 7/27/2023 |  |
| SW14 | 6/29/2023 |                         | GRAB | Solids, Total Suspended                      | 15        | mg/L   | L81472-04 | 7/13/2023 |  |
| SW14 | 6/29/2023 |                         | GRAB | Specific Conductivity, Field                 | 840       | ums/cm | L81472-04 | 6/29/2023 |  |

|      |           |                         |      |                                              |           |        |           |           |  |
|------|-----------|-------------------------|------|----------------------------------------------|-----------|--------|-----------|-----------|--|
| SW14 | 6/29/2023 |                         | GRAB | Specific Conductivity, Lab                   | 870       | ums/cm | L81472-04 | 7/11/2023 |  |
| SW14 | 6/29/2023 |                         | GRAB | Sulfates                                     | 226       | mg/L   | L81472-04 | 7/20/2023 |  |
| SW14 | 6/29/2023 |                         | GRAB | Temperature, Field                           | 21.2      | Deg C  | L81472-04 | 6/29/2023 |  |
| SW14 | 6/29/2023 |                         | GRAB | Total Dissolved Solids, Lab                  | 606       | mg/L   | L81472-04 | 7/5/2023  |  |
| SW14 | 6/29/2023 |                         | GRAB | Zinc, Total Recoverable                      | < 0.05    | mg/L   | L81472-04 | 7/8/2023  |  |
| SW14 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Alkalinity as CaCO <sub>3</sub> , @ pH 4.5   | 262       | mg/L   | L82518-12 | 8/24/2023 |  |
| SW14 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Alkalinity, Bicarbonate as CaCO <sub>3</sub> | 242       | mg/L   | L82518-12 | 8/24/2023 |  |
| SW14 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Alkalinity, Carbonate as CaCO <sub>3</sub>   | 19.4      | mg/L   | L82518-12 | 8/24/2023 |  |
| SW14 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Alkalinity, Hydroxide as CaCO <sub>3</sub>   | < 20      | mg/L   | L82518-12 | 8/24/2023 |  |
| SW14 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Ammonia Nitrogen                             | < 0.2     | mg/L   | L82518-12 | 8/29/2023 |  |
| SW14 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Bicarbonate as HCO <sub>3</sub>              | 295       | mg/L   | L82518-12 | 8/24/2023 |  |
| SW14 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Cadmium, Total Recoverable                   | < 0.00025 | mg/L   | L82518-12 | 8/24/2023 |  |
| SW14 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Calcium, Dissolved                           | 66        | mg/L   | L82518-12 | 8/25/2023 |  |
| SW14 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Carbonate as CO <sub>3</sub>                 | 11.6      | mg/L   | L82518-12 | 8/24/2023 |  |
| SW14 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                                         | 3.27      | cfs    |           | 8/16/2023 |  |
| SW14 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Hydroxide as OH                              | < 20      | mg/L   | L82518-12 | 8/24/2023 |  |
| SW14 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Indication Oil and Grease                    | N         | Y/N    |           | 8/16/2023 |  |
| SW14 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Iron, Total Recoverable                      | 0.187     | mg/L   | L82518-12 | 8/30/2023 |  |
| SW14 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Magnesium, Dissolved                         | 49.8      | mg/L   | L82518-12 | 8/25/2023 |  |
| SW14 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Manganese, Total Recoverable                 | 0.022     | mg/L   | L82518-12 | 8/30/2023 |  |
| SW14 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Mercury, Total                               | < 0.001   | mg/L   | L82518-12 | 8/22/2023 |  |
| SW14 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Molybdenum, Total Recoverable                | < 0.1     | mg/L   | L82518-12 | 8/30/2023 |  |
| SW14 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | NO <sub>3</sub> -NO <sub>2</sub> Nitrogen    | < 0.1     | mg/L   | L82518-12 | 8/25/2023 |  |
| SW14 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | pH Temperature                               | 23        | Deg C  | L82518-12 | 8/24/2023 |  |
| SW14 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                                      | 8.4       | S.U.   | L82518-12 | 8/24/2023 |  |
| SW14 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Phosphorus, Orthophosphorus                  | < 0.05    | mg/L   | L82518-12 | 8/18/2023 |  |
| SW14 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Selenium, Total Recoverable                  | 0.00039   | mg/L   | L82518-12 | 8/24/2023 |  |

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|------|-----------|-------------------------|------|----------------------------------------------|-----------|--------|-----------|-----------|--|
| SW14 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Silver, Total Recoverable                    | < 0.0005  | mg/L   | L82518-12 | 8/24/2023 |  |
| SW14 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Sodium, Dissolved                            | 33.3      | mg/L   | L82518-12 | 8/25/2023 |  |
| SW14 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Sodium Adsorption Ratio                      | 0.76      | RATIO  | L82518-12 | 9/19/2023 |  |
| SW14 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended                      | 5         | mg/L   | L82518-12 | 8/23/2023 |  |
| SW14 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Lab                   | 800       | ums/cm | L82518-12 | 8/24/2023 |  |
| SW14 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Sulfates                                     | 188       | mg/L   | L82518-12 | 8/24/2023 |  |
| SW14 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Total Dissolved Solids, Lab                  | 510       | mg/L   | L82518-12 | 8/23/2023 |  |
| SW14 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Zinc, Total Recoverable                      | < 0.05    | mg/L   | L82518-12 | 8/30/2023 |  |
| SW15 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Alkalinity as CaCO <sub>3</sub> , @ pH 4.5   | 272       | mg/L   | L81472-09 | 7/11/2023 |  |
| SW15 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Alkalinity, Bicarbonate as CaCO <sub>3</sub> | 244       | mg/L   | L81472-09 | 7/11/2023 |  |
| SW15 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Alkalinity, Carbonate as CaCO <sub>3</sub>   | 28.8      | mg/L   | L81472-09 | 7/11/2023 |  |
| SW15 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Alkalinity, Hydroxide as CaCO <sub>3</sub>   | < 20      | mg/L   | L81472-09 | 7/11/2023 |  |
| SW15 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Ammonia Nitrogen                             | < 0.2     | mg/L   | L81472-09 | 7/10/2023 |  |
| SW15 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Bicarbonate as HCO <sub>3</sub>              | 297       | mg/L   | L81472-09 | 7/11/2023 |  |
| SW15 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Cadmium, Total Recoverable                   | < 0.00025 | mg/L   | L81472-09 | 7/10/2023 |  |
| SW15 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Calcium, Dissolved                           | 84.5      | mg/L   | L81472-09 | 7/13/2023 |  |
| SW15 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Carbonate as CO <sub>3</sub>                 | 17.3      | mg/L   | L81472-09 | 7/11/2023 |  |
| SW15 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                                         | 11.52     | cfs    |           | 6/29/2023 |  |
| SW15 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Hydroxide as OH                              | < 20      | mg/L   | L81472-09 | 7/11/2023 |  |
| SW15 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Indication Oil and Grease                    | N         | Y/N    |           | 6/29/2023 |  |
| SW15 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Iron, Total Recoverable                      | 1.06      | mg/L   | L81472-09 | 7/8/2023  |  |
| SW15 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Magnesium, Dissolved                         | 45.1      | mg/L   | L81472-09 | 7/13/2023 |  |
| SW15 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Manganese, Total Recoverable                 | 0.056     | mg/L   | L81472-09 | 7/8/2023  |  |
| SW15 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Mercury, Total                               | < 0.001   | mg/L   | L81472-09 | 7/6/2023  |  |
| SW15 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Molybdenum, Total Recoverable                | < 0.1     | mg/L   | L81472-09 | 7/8/2023  |  |



|      |           |                         |      |                                  |           |        |           |           |  |
|------|-----------|-------------------------|------|----------------------------------|-----------|--------|-----------|-----------|--|
| SW15 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | NO3-NO2 Nitrogen                 | < 0.1     | mg/L   | L81472-09 | 7/9/2023  |  |
| SW15 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | pH Temperature                   | 23.4      | Deg C  | L81472-09 | 7/20/2023 |  |
| SW15 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                        | 8.4       | S.U.   | L81472-09 | 6/29/2023 |  |
| SW15 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                          | 8.5       | S.U.   | L81472-09 | 7/20/2023 |  |
| SW15 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Phosphorus, Orthophosphorus      | 0.013     | mg/L   | L81472-09 | 6/30/2023 |  |
| SW15 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Selenium, Total Recoverable      | 0.00051   | mg/L   | L81472-09 | 7/10/2023 |  |
| SW15 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Silver, Total Recoverable        | < 0.0005  | mg/L   | L81472-09 | 7/12/2023 |  |
| SW15 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Sodium, Dissolved                | 37.5      | mg/L   | L81472-09 | 7/13/2023 |  |
| SW15 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Sodium Adsorption Ratio          | 0.83      | RATIO  | L81472-09 | 7/27/2023 |  |
| SW15 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended          | 54        | mg/L   | L81472-09 | 7/13/2023 |  |
| SW15 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field     | 700       | ums/cm | L81472-09 | 6/29/2023 |  |
| SW15 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Lab       | 814       | ums/cm | L81472-09 | 7/11/2023 |  |
| SW15 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Sulfates                         | 185       | mg/L   | L81472-09 | 7/20/2023 |  |
| SW15 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field               | 25        | Deg C  | L81472-09 | 6/29/2023 |  |
| SW15 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Total Dissolved Solids, Lab      | 554       | mg/L   | L81472-09 | 7/5/2023  |  |
| SW15 | 6/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Zinc, Total Recoverable          | < 0.05    | mg/L   | L81472-09 | 7/8/2023  |  |
| SW15 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Alkalinity as CaCO3, @ pH 4.5    | 223       | mg/L   | L82518-03 | 8/24/2023 |  |
| SW15 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Alkalinity, Bicarbonate as CaCO3 | 223       | mg/L   | L82518-03 | 8/24/2023 |  |
| SW15 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Alkalinity, Carbonate as CaCO3   | < 20      | mg/L   | L82518-03 | 8/24/2023 |  |
| SW15 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Alkalinity, Hydroxide as CaCO3   | < 20      | mg/L   | L82518-03 | 8/24/2023 |  |
| SW15 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Ammonia Nitrogen                 | < 0.2     | mg/L   | L82518-03 | 8/24/2023 |  |
| SW15 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Bicarbonate as HCO3              | 272       | mg/L   | L82518-03 | 8/24/2023 |  |
| SW15 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Cadmium, Total Recoverable       | < 0.00025 | mg/L   | L82518-03 | 8/24/2023 |  |
| SW15 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Calcium, Dissolved               | 64        | mg/L   | L82518-03 | 8/25/2023 |  |
| SW15 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Carbonate as CO3                 | < 20      | mg/L   | L82518-03 | 8/24/2023 |  |

|      |           |                         |      |                               |          |        |           |           |  |
|------|-----------|-------------------------|------|-------------------------------|----------|--------|-----------|-----------|--|
| SW15 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                          | 1.72     | cfs    |           | 8/17/2023 |  |
| SW15 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Hydroxide as OH               | < 20     | mg/L   | L82518-03 | 8/24/2023 |  |
| SW15 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Indication Oil and Grease     | N        | Y/N    |           | 8/17/2023 |  |
| SW15 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Iron, Total Recoverable       | 0.679    | mg/L   | L82518-03 | 8/30/2023 |  |
| SW15 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Magnesium, Dissolved          | 51.4     | mg/L   | L82518-03 | 8/25/2023 |  |
| SW15 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Manganese, Total Recoverable  | 0.039    | mg/L   | L82518-03 | 8/30/2023 |  |
| SW15 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Mercury, Total                | < 0.001  | mg/L   | L82518-03 | 8/22/2023 |  |
| SW15 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Molybdenum, Total Recoverable | < 0.1    | mg/L   | L82518-03 | 8/30/2023 |  |
| SW15 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | NO3-NO2 Nitrogen              | 1.21     | mg/L   | L82518-03 | 8/25/2023 |  |
| SW15 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | pH Temperature                | 22.8     | Deg C  | L82518-03 | 8/24/2023 |  |
| SW15 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                       | 7.8      | S.U.   | L82518-03 | 8/24/2023 |  |
| SW15 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Phosphorus, Orthophosphorus   | < 0.05   | mg/L   | L82518-03 | 8/18/2023 |  |
| SW15 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Selenium, Total Recoverable   | 0.00044  | mg/L   | L82518-03 | 8/24/2023 |  |
| SW15 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Silver, Total Recoverable     | < 0.0005 | mg/L   | L82518-03 | 8/24/2023 |  |
| SW15 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Sodium, Dissolved             | 38.8     | mg/L   | L82518-03 | 8/25/2023 |  |
| SW15 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Sodium Adsorption Ratio       | 0.89     | RATIO  | L82518-03 | 9/19/2023 |  |
| SW15 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended       | 20       | mg/L   | L82518-03 | 8/23/2023 |  |
| SW15 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Lab    | 841      | ums/cm | L82518-03 | 8/24/2023 |  |
| SW15 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Sulfates                      | 200      | mg/L   | L82518-03 | 8/24/2023 |  |
| SW15 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Total Dissolved Solids, Lab   | 546      | mg/L   | L82518-03 | 8/23/2023 |  |
| SW15 | 8/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Zinc, Total Recoverable       | < 0.05   | mg/L   | L82518-03 | 8/30/2023 |  |

Foidel Creek Mine  
2023 Annual Report

Attachment 3

Section 3

Life of Site Water Quality Statistics, and Graphs of TDS and Field Conductivity for Surface  
Water Sites

## Ground and Surface Water Quality Statistics Report

**Sample Point** 1003  
**Mine:** FOIDEL CREEK MINE  
**State:** CO  
**Drainage/Geologic Unit:**  
**Date Range** 10/01/1978 to 9/30/2023

**Township** 005N  
**Northing** 61036  
**Easting** 41457  
**Elevation** 6572

**Range:** 086W

**Section** 1NWNWNE

| <u>Parm Description</u>                      | <u>Units</u> | <u>Uncensored Data</u> |            |            |             |                 | <u>Censored Data</u> |            |            |
|----------------------------------------------|--------------|------------------------|------------|------------|-------------|-----------------|----------------------|------------|------------|
|                                              |              | <u>Count</u>           | <u>Min</u> | <u>Max</u> | <u>Mean</u> | <u>Std.Dev.</u> | <u>Count</u>         | <u>Min</u> | <u>Max</u> |
| Alkalinity as CaCO <sub>3</sub> , @ pH 4.5   | mg/L         | 122                    | 102        | 360        | 233.4672    | 60.01394        | 0                    |            |            |
| Alkalinity, Bicarbonate as CaCO <sub>3</sub> | mg/L         | 242                    | 34.16      | 430        | 240.12      | 70.48           | 0                    |            |            |
| Alkalinity, Carbonate as CaCO <sub>3</sub>   | mg/L         | 102                    | 0          | 38         | 13.83627    | 8.678296        | 33                   | < 1        | < 20       |
| Alkalinity, Hydroxide as CaCO <sub>3</sub>   | mg/L         | 0                      |            |            |             |                 | 17                   | < 2        | < 10       |
| Aluminum, Total                              | ug/L         | 46                     | 140        | 23650      | 5329.783    | 5603.095        | 4                    | < 200      | < 400      |
| Ammonia Nitrogen                             | mg/L         | 34                     | 0.001      | 0.64       | 0.060       | 0.118           | 92                   | < 0.001    | < 5        |
| Ammonium                                     | mg/L         | 34                     | 0.02       | 2.33       | 0.16        | 0.39            | 26                   | < 0.01     | < 0.2      |
| Arsenic, Total                               | ug/L         | 27                     | 1          | 6          | 2.888889    | 1.450022        | 23                   | < 1        | < 5        |
| Bicarbonate as HCO <sub>3</sub>              | mg/L         | 17                     | 139        | 361        | 266.8824    | 68.10642        | 0                    |            |            |
| BOD                                          | mg/L         | 32                     | 2          | 6          | 2.78125     | 0.9413229       | 34                   | < 2        | < 2        |
| Boron, Total                                 | ug/L         | 2                      | 20         | 100        | 60          | 56.56854        | 1                    | < 100      | < 100      |
| Cadmium, Total                               | ug/L         | 5                      | 5          | 22         | 10.2        | 6.760178        | 45                   | < 5        | < 20       |
| Cadmium, Total Recoverable                   | ug/L         | 27                     | 7.8E-05    | 2.1        | 0.14824     | 0.40224         | 106                  | < 0.00005  | < 5        |
| Calcium, Dissolved                           | mg/L         | 246                    | 20         | 161        | 75.19146    | 23.7009         | 0                    |            |            |
| Calcium, Total Recoverable                   | mg/L         | 7                      | 56         | 98         | 78.71429    | 14.739          | 0                    |            |            |
| Carbon, Dissolved Organic                    | mg/L         | 65                     | 3.8        | 24.3       | 6.4         | 2.7             | 0                    |            |            |
| Carbon, Total Organic                        | mg/L         | 60                     | 4          | 41.3       | 8.2         | 5.4             | 5                    | < 50       | < 50       |
| Carbonate as CO <sub>3</sub>                 | mg/L         | 12                     | 6.2        | 22.1       | 13.9        | 5.2             | 4                    | < 2        | < 10       |
| Chloride                                     | mg/L         | 73                     | 1          | 19         | 7.589041    | 4.585108        | 8                    | < 1        | < 3        |
| Copper, Total                                | ug/L         | 12                     | 5          | 50         | 27.08333    | 15.44173        | 39                   | < 10       | < 30       |
| Flow                                         | cfs          | 203                    | 0          | 272        | 37.33593    | 52.8822         | 0                    |            |            |
| Fluoride                                     | mg/L         | 1                      | 0.11       | 0.11       | 0.11        |                 | 2                    | < 0.5      | < 0.5      |
| Hardness, Calcium                            | mg/L         | 166                    | 110        | 865        | 388.0301    | 142.0463        | 1                    | < 2        | < 2        |
| Hydroxide as OH                              | mg/L         | 0                      |            |            |             |                 | 82                   | < 2        | < 20       |
| Iron, Total                                  | ug/L         | 116                    | 340        | 65500      | 8481.034    | 10643.66        | 0                    |            |            |
| Iron, Total Recoverable                      | ug/L         | 133                    | 0.24       | 21400      | 1237.77     | 2811.54         | 0                    |            |            |
| Lead, Total                                  | ug/L         | 20                     | 20         | 110        | 32          | 23.53049        | 30                   | < 20       | < 200      |
| Magnesium, Dissolved                         | mg/L         | 246                    | 11         | 147        | 51.14553    | 21.63964        | 0                    |            |            |
| Magnesium, Total Recoverable                 | mg/L         | 7                      | 30         | 70         | 55.42857    | 15.47963        | 0                    |            |            |
| Manganese, Dissolved                         | ug/L         | 13                     | 10         | 110        | 32.30769    | 28.32956        | 1                    | < 10       | < 10       |

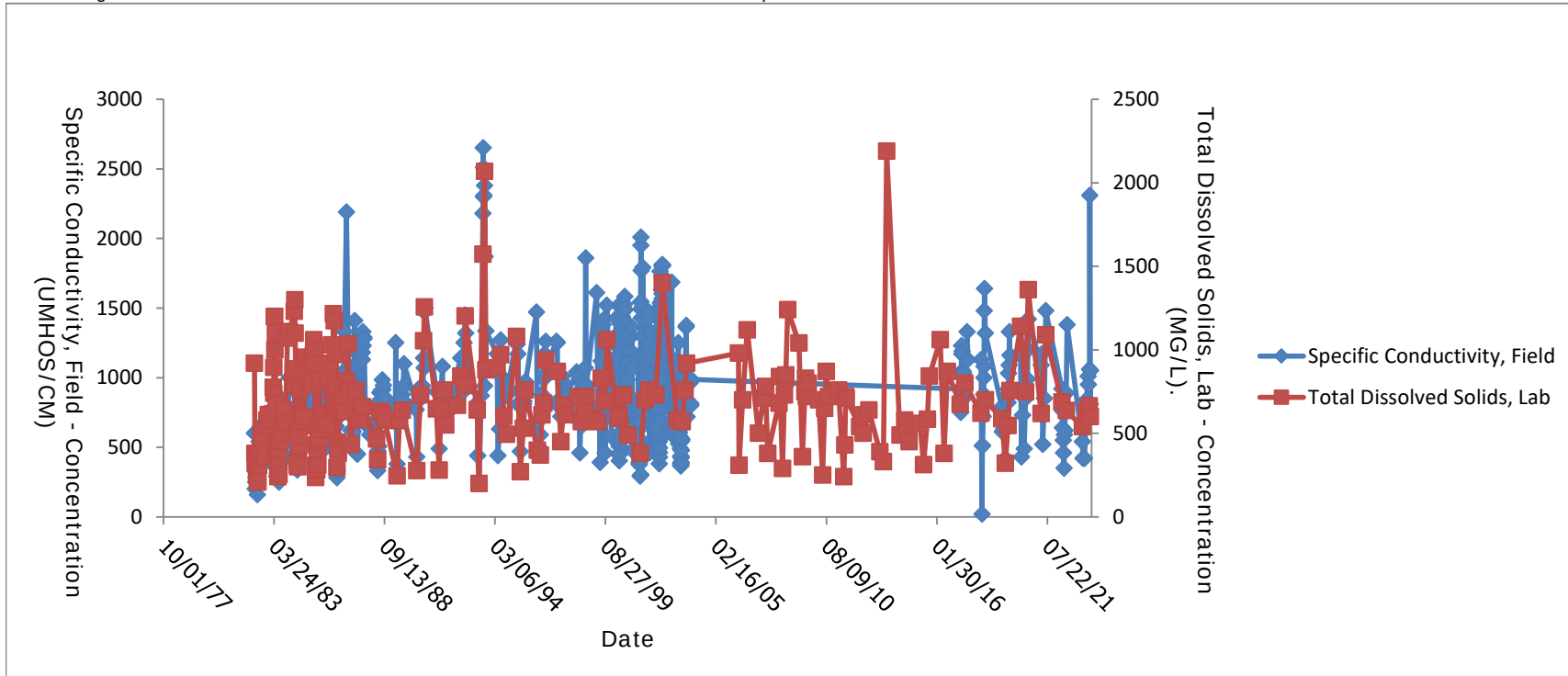
|                               |          |     |        |      |          |           |     |   |         |   |      |
|-------------------------------|----------|-----|--------|------|----------|-----------|-----|---|---------|---|------|
| Manganese, Total              | ug/L     | 114 | 32     | 900  | 208.0263 | 163.1077  | 0   |   |         |   |      |
| Manganese, Total Recoverable  | ug/L     | 145 | 0.033  | 510  | 68.498   | 83.449    | 1   | < | 73      | < | 73   |
| Mercury, Total                | ug/L     | 2   | 0.0004 | 4    | 2.0002   | 2.8281    | 110 | < | 0.0002  | < | 1    |
| Mercury, Total Recoverable    | ug/L     | 0   |        |      |          |           | 72  | < | 0.0002  | < | 0.2  |
| Molybdenum, Total             | ug/L     | 1   | 20     | 20   | 20       |           | 49  | < | 50      | < | 300  |
| Molybdenum, Total Recoverable | ug/L     | 5   | 0.01   | 20   | 8.01     | 8.36      | 128 | < | 0.02    | < | 50   |
| Nitrate Nitrogen              | mg/L     | 42  | 0.02   | 1.77 | 0.34     | 0.42      | 36  | < | 0.02    | < | 0.02 |
| Nitrite Nitrogen              | mg/L     | 6   | 0.01   | 0.1  | 0.04     | 0.04      | 36  | < | 0.01    | < | 0.2  |
| Nitrogen, TKN                 | mg/L     | 66  | 0.3    | 2.7  | 0.9      | 0.5       | 0   |   |         |   |      |
| NO3-NO2 Nitrogen              | mg/L     | 175 | 0.01   | 3.21 | 0.72     | 0.78      | 69  | < | 0.005   | < | 0.1  |
| pH Temperature                | Deg C    | 86  | 18.6   | 26   | 21.4     | 1.4       | 0   |   |         |   |      |
| pH, Field                     | S.U.     | 670 | 6.8    | 9.1  | 8.1      | 0.4       | 0   |   |         |   |      |
| pH, Lab                       | S.U.     | 121 | 7.43   | 8.9  | 8.38     | 0.24      | 0   |   |         |   |      |
| Phosphorus, Dissolved         | mg/L     | 6   | 0.02   | 0.06 | 0.04     | 0.02      | 0   |   |         |   |      |
| Phosphorus, Orthophosphorus   | mg/L     | 96  | 0.005  | 0.26 | 0.036    | 0.035     | 81  | < | 0.005   | < | 0.05 |
| Phosphorus, Phosphate         | mg/L     | 2   | 0.04   | 0.05 | 0.05     | 0.01      | 2   | < | 0.03    | < | 0.03 |
| Phosphorus, Total             | mg/L     | 66  | 0.02   | 1.08 | 0.16     | 0.20      | 0   |   |         |   |      |
| Potassium, Dissolved          | mg/L     | 39  | 1      | 5    | 2.507692 | 0.8630986 | 0   |   |         |   |      |
| Selenium, Total               | ug/L     | 25  | 1      | 6    | 3.36     | 1.380821  | 25  | < | 1       | < | 5    |
| Selenium, Total Recoverable   | ug/L     | 78  | 0.0001 | 17   | 0.6033   | 2.1217    | 55  | < | 1       | < | 10   |
| Silver, Total Recoverable     | ug/L     | 7   | 5E-05  | 0.9  | 0.2      | 0.3       | 126 | < | 0.00005 | < | 5    |
| Sodium Adsorption Ratio       | RATIO    | 250 | 0.29   | 7.14 | 1.29     | 0.91      | 0   |   |         |   |      |
| Sodium, Dissolved             | mg/L     | 246 | 9      | 286  | 58.82317 | 40.8973   | 0   |   |         |   |      |
| Sodium, Total Recoverable     | mg/L     | 7   | 20     | 44   | 33.42857 | 7.721337  | 0   |   |         |   |      |
| Solids, Settleable            | mL/L     | 0   |        |      |          |           | 1   | < | 0.2     | < | 0.2  |
| Solids, Total Suspended       | mg/L     | 305 | 4      | 2190 | 186.7069 | 310.5638  | 7   | < | 2       | < | 20   |
| Specific Conductivity, Field  | UMHOS/CM | 700 | 20     | 2650 | 889.9548 | 381.3189  | 0   |   |         |   |      |
| Specific Conductivity, Lab    | UMHOS/CM | 215 | 293    | 2810 | 933.9023 | 359.0852  | 0   |   |         |   |      |
| Sulfates                      | mg/L     | 336 | 37     | 2045 | 298.1101 | 190.2439  | 0   |   |         |   |      |
| Temperature, Field            | Deg C    | 631 | 0      | 29   | 12.54802 | 7.267424  | 0   |   |         |   |      |
| Total Dissolved Solids, Lab   | mg/L     | 248 | 200    | 2190 | 664.6573 | 294.5409  | 0   |   |         |   |      |
| Zinc, Total                   | ug/L     | 42  | 5      | 190  | 56.19048 | 51.60083  | 10  | < | 5       | < | 10   |
| Zinc, Total Recoverable       | ug/L     | 68  | 0.01   | 90   | 18.11    | 19.55     | 65  | < | 0.01    | < | 10   |

&lt; - denotes value is below detectable limits

&gt; - denotes value is above detectable limits

# FOIDEL CREEK MINE - 1003

|                         |                       |              |       |        |      |          |         |
|-------------------------|-----------------------|--------------|-------|--------|------|----------|---------|
| Sample Point:           | 1003                  | Township:    | 005N  | Range: | 086W | Section: | 1NWNWNE |
| Mine:                   | FOIDEL CREEK MINE     | Northing:    | 61036 |        |      |          |         |
| State:                  | CO                    | Easting:     | 41457 |        |      |          |         |
| Drainage/Geologic Unit: |                       | Elevation:   | 6572  |        |      |          |         |
| Date Range:             | 10/1/1977 - 9/30/2023 | Total Depth: | 0     |        |      |          |         |



## Ground and Surface Water Quality Statistics Report

**Sample Point** 1005  
**Mine:** FOIDEL CREEK MINE  
**State:** CO  
**Drainage/Geologic Unit:**  
**Date Range** 10/01/1978 to 9/30/2023

**Township** 006N  
**Range:** 086W  
**Section** 36  
**Northing** 62182  
**Easting** 41704  
**Elevation** 6569

| <u>Parm Description</u>                      | <u>Units</u> | <u>Uncensored Data</u> |            |            |             |                 | <u>Censored Data</u> |            |            |
|----------------------------------------------|--------------|------------------------|------------|------------|-------------|-----------------|----------------------|------------|------------|
|                                              |              | <u>Count</u>           | <u>Min</u> | <u>Max</u> | <u>Mean</u> | <u>Std.Dev.</u> | <u>Count</u>         | <u>Min</u> | <u>Max</u> |
| Alkalinity as CaCO <sub>3</sub> , @ pH 4.5   | mg/L         | 109                    | 36         | 309        | 160.1073    | 41.69572        | 0                    |            |            |
| Alkalinity, Bicarbonate as CaCO <sub>3</sub> | mg/L         | 130                    | 44         | 280        | 171.9577    | 40.08622        | 0                    |            |            |
| Alkalinity, Carbonate as CaCO <sub>3</sub>   | mg/L         | 87                     | 0          | 58.9       | 11.1        | 8.6             | 43                   | < 1        | < 20       |
| Alkalinity, Hydroxide as CaCO <sub>3</sub>   | mg/L         | 0                      |            |            |             |                 | 30                   | < 2        | < 10       |
| Ammonia Nitrogen                             | mg/L         | 14                     | 0.002      | 0.14       | 0.065       | 0.043           | 113                  | < 0.001    | < 3        |
| Ammonium                                     | mg/L         | 7                      | 0.06       | 0.18       | 0.09        | 0.04            | 21                   | < 0.01     | < 0.05     |
| Bicarbonate as HCO <sub>3</sub>              | mg/L         | 31                     | 108        | 306        | 203.3871    | 46.52431        | 0                    |            |            |
| Cadmium, Total Recoverable                   | ug/L         | 9                      | 5.9E-05    | 3          | 0.33347     | 0.99995         | 121                  | < 0.00005  | < 5        |
| Calcium, Dissolved                           | mg/L         | 130                    | 10.9       | 140        | 62.4        | 19.0            | 0                    |            |            |
| Carbonate as CO <sub>3</sub>                 | mg/L         | 20                     | 3.5        | 35.3       | 11.5        | 7.9             | 8                    | < 2        | < 10       |
| Flow                                         | cfs          | 39                     | 1.88       | 404.15     | 67.70       | 92.06           | 0                    |            |            |
| Hardness, Calcium                            | mg/L         | 25                     | 13.9       | 623        | 292.8       | 127.4           | 1                    | < 2        | < 2        |
| Hydroxide as OH                              | mg/L         | 0                      |            |            |             |                 | 105                  | < 2        | < 20       |
| Iron, Total Recoverable                      | ug/L         | 130                    | 0.13       | 4920       | 402.88      | 980.02          | 0                    |            |            |
| Magnesium, Dissolved                         | mg/L         | 130                    | 0.7        | 83.3       | 38.0        | 13.7            | 0                    |            |            |
| Manganese, Total Recoverable                 | ug/L         | 129                    | 0.009      | 1100       | 32.427      | 104.782         | 1                    | < 38       | < 38       |
| Mercury, Total                               | mg/L         | 1                      | 0.0005     | 0.0005     | 0.0005      |                 | 84                   | < 0.0002   | < 0.001    |
| Mercury, Total Recoverable                   | ug/L         | 2                      | 0.2        | 1.2        | 0.7         | 0.7             | 43                   | < 0.0002   | < 0.2      |
| Molybdenum, Total Recoverable                | ug/L         | 2                      | 0.02       | 0.02       | 0.02        | 0               | 128                  | < 0.02     | < 50       |
| Nitrate Nitrogen                             | mg/L         | 28                     | 0.02       | 0.41       | 0.08        | 0.09            | 16                   | < 0.02     | < 0.02     |
| Nitrite Nitrogen                             | mg/L         | 3                      | 0.02       | 0.06       | 0.04        | 0.02            | 38                   | < 0.01     | < 0.02     |
| NO <sub>3</sub> -NO <sub>2</sub> Nitrogen    | mg/L         | 67                     | 0.02       | 14.4       | 0.36        | 1.77            | 63                   | < 0.02     | < 0.1      |
| pH Temperature                               | Deg C        | 110                    | 18.6       | 26         | 21.3        | 1.4             | 0                    |            |            |
| pH, Field                                    | S.U.         | 594                    | 6.6        | 8.94       | 8.28        | 0.27            | 0                    |            |            |
| pH, Lab                                      | S.U.         | 141                    | 7          | 9.2        | 8.4         | 0.3             | 0                    |            |            |
| Phosphorus, Dissolved                        | mg/L         | 6                      | 0.01       | 0.07       | 0.03        | 0.02            | 1                    | < 0.05     | < 0.05     |
| Phosphorus, Orthophosphorus                  | mg/L         | 85                     | 0.005      | 0.12       | 0.029       | 0.020           | 38                   | < 0.005    | < 0.05     |
| Phosphorus, Phosphate                        | mg/L         | 1                      | 0.04       | 0.04       | 0.04        |                 | 3                    | < 0.03     | < 0.03     |
| Selenium, Total Recoverable                  | ug/L         | 82                     | 0.0001     | 6          | 0.1711      | 0.8285          | 48                   | < 0.0001   | < 10       |
| Silver, Total Recoverable                    | ug/L         | 3                      | 7E-05      | 0.4        | 0.1         | 0.2             | 127                  | < 0.00005  | < 5        |

|                              |          |     |      |      |          |          |    |   |      |   |    |
|------------------------------|----------|-----|------|------|----------|----------|----|---|------|---|----|
| Sodium Adsorption Ratio      | RATIO    | 130 | 0    | 84.1 | 1.4      | 7.4      | 0  |   |      |   |    |
| Sodium, Dissolved            | mg/L     | 130 | 7    | 1060 | 40.49961 | 97.74263 | 0  |   |      |   |    |
| Solids, Total Suspended      | mg/L     | 98  | 4    | 480  | 57.34694 | 96.88117 | 32 | < | 2    | < | 20 |
| Specific Conductivity, Field | UMHOS/CM | 675 | 31   | 1930 | 680.5877 | 193.331  | 0  |   |      |   |    |
| Specific Conductivity, Lab   | UMHOS/CM | 204 | 242  | 1970 | 698.853  | 233.4656 | 0  |   |      |   |    |
| Sulfates                     | mg/L     | 218 | 31   | 2200 | 232.2156 | 169.9016 | 1  | < | 20   | < | 20 |
| Temperature, Field           | Deg C    | 532 | 0    | 29   | 11.65513 | 6.59054  | 0  |   |      |   |    |
| Total Dissolved Solids, Lab  | mg/L     | 130 | 110  | 1420 | 490.8615 | 195.7171 | 0  |   |      |   |    |
| Zinc, Total Recoverable      | ug/L     | 41  | 0.01 | 1400 | 45.49    | 217.28   | 89 | < | 0.01 | < | 10 |

< - denotes value is below detectable limit:

> - denotes value is above detectable limit:

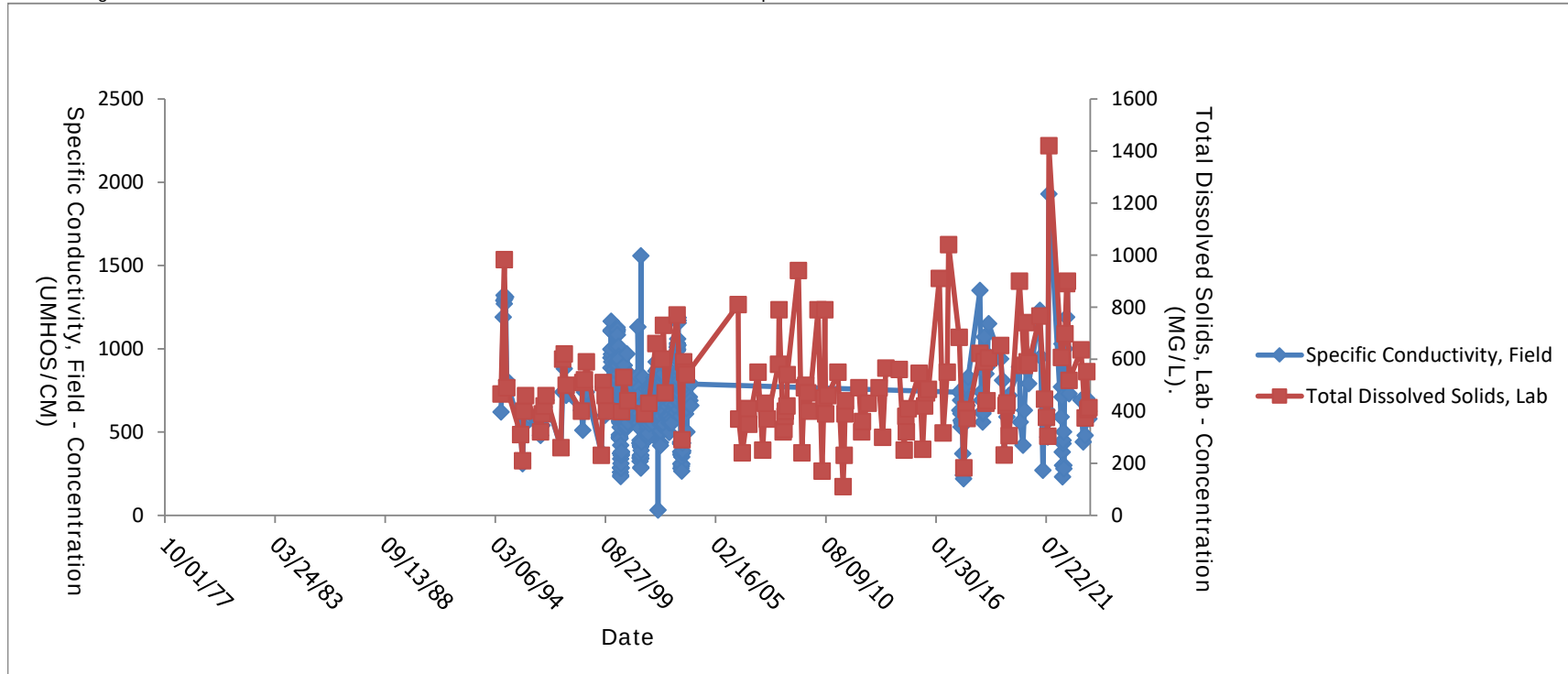
< - denotes value is below detectable limits

> - denotes value is above detectable limits



# FOIDEL CREEK MINE - 1005

|                         |                       |              |       |        |      |          |    |
|-------------------------|-----------------------|--------------|-------|--------|------|----------|----|
| Sample Point:           | 1005                  | Township:    | 006N  | Range: | 086W | Section: | 36 |
| Mine:                   | FOIDEL CREEK MINE     | Northing:    | 62182 |        |      |          |    |
| State:                  | CO                    | Easting:     | 41704 |        |      |          |    |
| Drainage/Geologic Unit: |                       | Elevation:   | 6569  |        |      |          |    |
| Date Range:             | 10/1/1977 - 9/30/2023 | Total Depth: | 0     |        |      |          |    |



## Ground and Surface Water Quality Statistics Report

**Sample Point** 14  
**Mine:** FOIDEL CREEK MINE  
**State:** CO  
**Drainage/Geologic Unit:**  
**Date Range** 10/01/1978 to 9/30/2023

**Township** 004N  
**Northing** 27882  
**Easting** 12447  
**Elevation** 6915  
**Range:** 086W  
**Section** 7SWNE

| <u>Parm Description</u>                      | <u>Units</u> | <u>Uncensored Data</u> |            |            |             |                 | <u>Censored Data</u> |            |            |
|----------------------------------------------|--------------|------------------------|------------|------------|-------------|-----------------|----------------------|------------|------------|
|                                              |              | <u>Count</u>           | <u>Min</u> | <u>Max</u> | <u>Mean</u> | <u>Std.Dev.</u> | <u>Count</u>         | <u>Min</u> | <u>Max</u> |
| Alkalinity as CaCO <sub>3</sub> , @ pH 4.5   | mg/L         | 76                     | 82         | 358        | 201.3592    | 77.05602        | 0                    |            |            |
| Alkalinity, Bicarbonate as CaCO <sub>3</sub> | mg/L         | 190                    | 15         | 437        | 244.2672    | 85.23236        | 0                    |            |            |
| Alkalinity, Carbonate as CaCO <sub>3</sub>   | mg/L         | 43                     | 0          | 48         | 14.07674    | 12.45353        | 41                   | < 1        | < 20       |
| Alkalinity, Hydroxide as CaCO <sub>3</sub>   | mg/L         | 0                      |            |            |             |                 | 8                    | < 2        | < 10       |
| Aluminum, Total                              | ug/L         | 39                     | 60         | 6570       | 1141.538    | 1484.9          | 5                    | < 20       | < 400      |
| Aluminum, Total Recoverable                  | ug/L         | 1                      | 70         | 70         | 70          |                 | 0                    |            |            |
| Ammonia Nitrogen                             | mg/L         | 14                     | 0.001      | 0.15       | 0.030       | 0.049           | 57                   | < 0.001    | < 3        |
| Ammonium                                     | mg/L         | 26                     | 0.02       | 0.19       | 0.08        | 0.04            | 28                   | < 0.01     | < 0.2      |
| Arsenic, Total                               | ug/L         | 11                     | 1          | 3          | 1.636364    | 0.6741999       | 33                   | < 1        | < 5        |
| Arsenic, Total Recoverable                   | ug/L         | 1                      | 1          | 1          | 1           |                 | 0                    |            |            |
| Barium, Total                                | ug/L         | 2                      | 170        | 260        | 215         | 63.63961        | 0                    |            |            |
| Barium, Total Recoverable                    | ug/L         | 1                      | 60         | 60         | 60          |                 | 0                    |            |            |
| Bicarbonate as HCO <sub>3</sub>              | mg/L         | 8                      | 101        | 355        | 237.625     | 112.1248        | 0                    |            |            |
| Boron, Dissolved                             | ug/L         | 1                      | 70         | 70         | 70          |                 | 0                    |            |            |
| Boron, Total                                 | ug/L         | 1                      | 100        | 100        | 100         |                 | 1                    | < 100      | < 100      |
| Cadmium, Dissolved                           | mg/L         | 1                      | 6E-05      | 6E-05      | 6E-05       |                 | 0                    |            |            |
| Cadmium, Total                               | ug/L         | 5                      | 3          | 37         | 11          | 14.56022        | 39                   | < 5        | < 20       |
| Cadmium, Total Recoverable                   | ug/L         | 12                     | 5.7E-05    | 8          | 0.99169     | 2.34072         | 68                   | < 0.00005  | < 5        |
| Calcium, Dissolved                           | mg/L         | 193                    | 30         | 342        | 93.54715    | 41.13948        | 0                    |            |            |
| Calcium, Total Recoverable                   | mg/L         | 6                      | 42         | 162        | 115.1667    | 43.7329         | 0                    |            |            |
| Carbon, Dissolved Organic                    | mg/L         | 1                      | 8.5        | 8.5        | 8.5         |                 | 0                    |            |            |
| Carbonate as CO <sub>3</sub>                 | mg/L         | 4                      | 2.2        | 15.8       | 9.0         | 6.4             | 3                    | < 2        | < 10       |
| Chloride                                     | mg/L         | 70                     | 2          | 12         | 4.971428    | 2.133049        | 7                    | < 1        | < 3        |
| Chromium, Total Recoverable                  | ug/L         | 1                      | 10         | 10         | 10          |                 | 0                    |            |            |
| Copper, Potentially Dissolvable              | ug/L         | 2                      | 3          | 5          | 4           | 1.414214        | 3                    | < 1        | < 1        |
| Copper, Total                                | ug/L         | 7                      | 5          | 30         | 16.42857    | 8.521681        | 39                   | < 10       | < 30       |
| Copper, Total Recoverable                    | ug/L         | 0                      |            |            |             |                 | 1                    | < 10       | < 10       |
| Flow                                         | cfs          | 229                    | 0          | 60         | 1.238572    | 4.326589        | 0                    |            |            |
| Fluoride                                     | mg/L         | 3                      | 0.25       | 0.4        | 0.32        | 0.08            | 2                    | < 0.5      | < 0.5      |
| Hardness, Calcium                            | mg/L         | 159                    | 137        | 970        | 426.9749    | 170.0768        | 1                    | < 2        | < 2        |

|                                 |       |     |        |       |          |          |    |   |         |   |        |
|---------------------------------|-------|-----|--------|-------|----------|----------|----|---|---------|---|--------|
| Hydroxide as OH                 | mg/L  | 0   |        |       |          |          | 44 | < | 2       | < | 20     |
| Iron, Dissolved                 | mg/L  | 1   | 0.21   | 0.21  | 0.21     |          | 1  | < | 0.05    | < | 0.05   |
| Iron, Potentially Dissolvable   | mg/L  | 1   | 0.38   | 0.38  | 0.38     |          | 0  |   |         |   |        |
| Iron, Total                     | ug/L  | 135 | 10     | 13800 | 1402.296 | 1803.859 | 1  | < | 10      | < | 10     |
| Iron, Total Recoverable         | ug/L  | 86  | 0.34   | 6100  | 927.56   | 1211.27  | 0  |   |         |   |        |
| Lead, Dissolved                 | mg/L  | 1   | 0.03   | 0.03  | 0.03     |          | 0  |   |         |   |        |
| Lead, Total                     | ug/L  | 11  | 20     | 370   | 81.81818 | 105.2443 | 32 | < | 20      | < | 200    |
| Lead, Total Recoverable         | ug/L  | 0   |        |       |          |          | 1  | < | 20      | < | 20     |
| Magnesium, Dissolved            | mg/L  | 194 | 10     | 175   | 47.46856 | 20.5816  | 0  |   |         |   |        |
| Magnesium, Total Recoverable    | mg/L  | 6   | 21     | 80    | 59.83333 | 22.13971 | 0  |   |         |   |        |
| Manganese, Dissolved            | ug/L  | 12  | 0.02   | 410   | 142.50   | 155.10   | 3  | < | 10      | < | 10     |
| Manganese, Total                | ug/L  | 129 | 10     | 1920  | 213.124  | 294.8359 | 7  | < | 10      | < | 20     |
| Manganese, Total Recoverable    | ug/L  | 95  | 0.012  | 1910  | 110.734  | 221.424  | 4  | < | 0.01    | < | 10     |
| Mercury, Dissolved              | mg/L  | 0   |        |       |          |          | 1  | < | 0.0002  | < | 0.0002 |
| Mercury, Total                  | ug/L  | 3   | 0.0002 | 2     | 0.6668   | 1.1546   | 64 | < | 0.0002  | < | 1      |
| Mercury, Total Recoverable      | ug/L  | 1   | 0.5    | 0.5   | 0.5      |          | 56 | < | 0.0002  | < | 0.2    |
| Molybdenum, Dissolved           | mg/L  | 0   |        |       |          |          | 1  | < | 0.02    | < | 0.02   |
| Molybdenum, Total               | ug/L  | 0   |        |       |          |          | 43 | < | 50      | < | 300    |
| Molybdenum, Total Recoverable   | ug/L  | 1   | 30     | 30    | 30       |          | 78 | < | 0.02    | < | 50     |
| Nickel, Total Recoverable       | ug/L  | 0   |        |       |          |          | 1  | < | 20      | < | 20     |
| Nitrate Nitrogen                | mg/L  | 43  | 0.02   | 22.4  | 0.72     | 3.40     | 19 | < | 0.01    | < | 0.02   |
| Nitrite Nitrogen                | mg/L  | 8   | 0.01   | 0.08  | 0.03     | 0.03     | 24 | < | 0.01    | < | 0.02   |
| NO3-NO2 Nitrogen                | mg/L  | 142 | 0.006  | 22.4  | 0.415    | 1.921    | 47 | < | 0.005   | < | 0.1    |
| pH Temperature                  | Deg C | 27  | 17.1   | 23.6  | 21.2     | 1.6      | 0  |   |         |   |        |
| pH, Field                       | S.U.  | 271 | 6.3    | 9.6   | 7.8      | 0.5      | 0  |   |         |   |        |
| pH, Lab                         | S.U.  | 57  | 6.9    | 8.6   | 8.1      | 0.3      | 0  |   |         |   |        |
| Phosphorus, Dissolved           | mg/L  | 1   | 0.04   | 0.04  | 0.04     |          | 0  |   |         |   |        |
| Phosphorus, Orthophosphorus     | mg/L  | 82  | 0.007  | 0.5   | 0.061    | 0.066    | 42 | < | 0.005   | < | 0.02   |
| Phosphorus, Phosphate           | mg/L  | 3   | 0.043  | 0.07  | 0.054    | 0.014    | 2  | < | 0.03    | < | 0.03   |
| Potassium, Dissolved            | mg/L  | 37  | 1.4    | 7.3   | 3.5      | 1.2      | 0  |   |         |   |        |
| Selenium, Dissolved             | mg/L  | 0   |        |       |          |          | 1  | < | 0.0001  | < | 0.0001 |
| Selenium, Total                 | ug/L  | 5   | 1      | 10    | 2.8      | 4.024922 | 39 | < | 1       | < | 5      |
| Selenium, Total Recoverable     | ug/L  | 30  | 0.0002 | 10    | 0.9675   | 2.4977   | 50 | < | 1       | < | 5      |
| Silver, Potentially Dissolvable | ug/L  | 0   |        |       |          |          | 4  | < | 0.5     | < | 0.5    |
| Silver, Total                   | ug/L  | 1   | 0.1    | 0.1   | 0.1      |          | 1  | < | 0.1     | < | 0.1    |
| Silver, Total Recoverable       | ug/L  | 3   | 6E-05  | 0.1   | 0.1      | 0.1      | 77 | < | 0.00005 | < | 10     |
| Sodium Adsorption Ratio         | RATIO | 178 | 0.336  | 2.25  | 0.737    | 0.250    | 0  |   |         |   |        |
| Sodium, Dissolved               | mg/L  | 189 | 10     | 140   | 35.91217 | 17.55326 | 0  |   |         |   |        |
| Sodium, Total Recoverable       | mg/L  | 6   | 12     | 58    | 42.5     | 17.29451 | 0  |   |         |   |        |
| Solids, Settleable              | mL/L  | 0   |        |       |          |          | 5  | < | 0.1     | < | 0.1    |

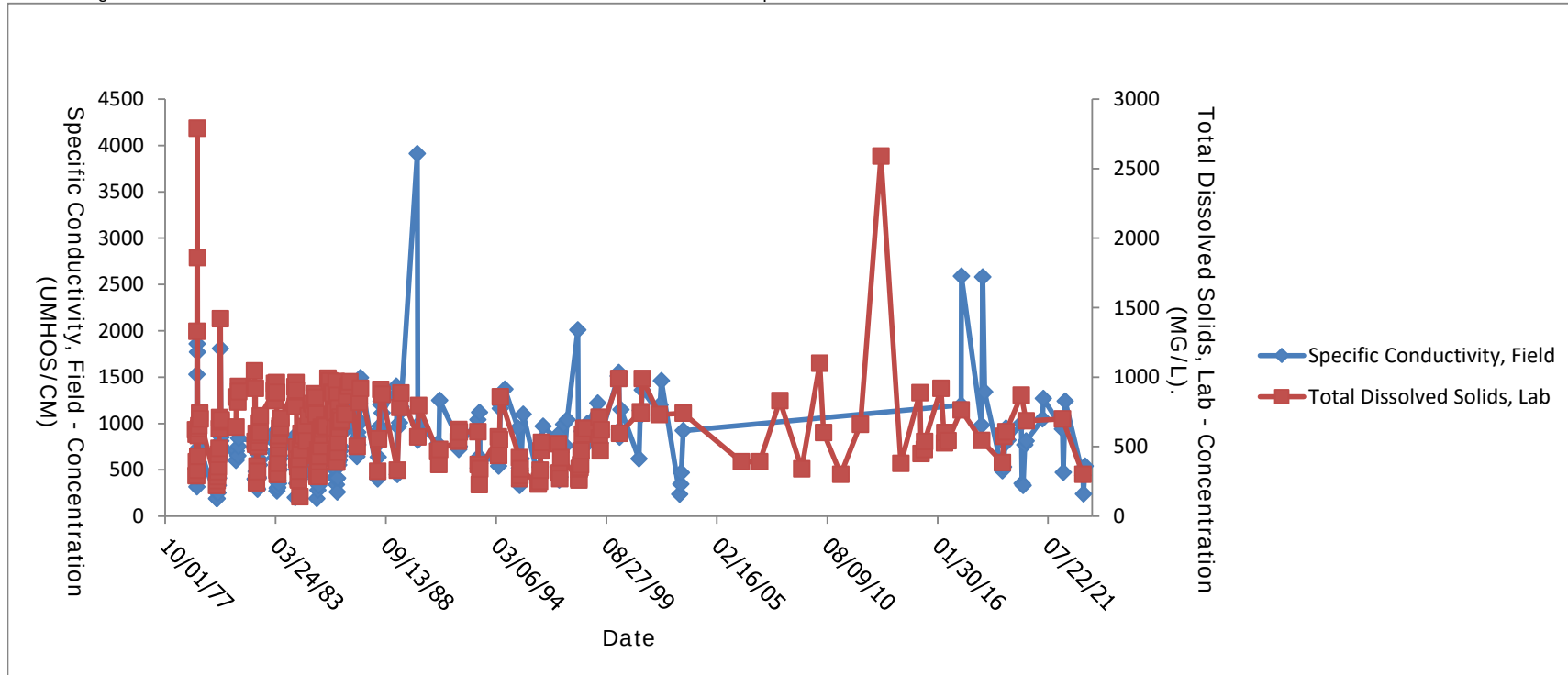
|                              |          |     |      |      |          |          |    |   |      |   |      |
|------------------------------|----------|-----|------|------|----------|----------|----|---|------|---|------|
| Solids, Total Suspended      | mg/L     | 214 | 2    | 1390 | 50.29906 | 112.4109 | 15 | < | 2    | < | 20   |
| Specific Conductivity, Field | UMHOS/CM | 269 | 190  | 3910 | 759.1673 | 409.1458 | 0  |   |      |   |      |
| Specific Conductivity, Lab   | UMHOS/CM | 90  | 294  | 2770 | 822.8666 | 345.2307 | 0  |   |      |   |      |
| Sulfates                     | mg/L     | 191 | 33   | 1470 | 273.5733 | 153.5719 | 0  |   |      |   |      |
| Sulfide                      | mg/L     | 0   |      |      |          |          | 1  | < | 0.01 | < | 0.01 |
| Temperature, Field           | Deg C    | 274 | 0.4  | 28.4 | 9.3      | 5.2      | 0  |   |      |   |      |
| Total Dissolved Solids, Lab  | mg/L     | 230 | 140  | 2790 | 613.4521 | 308.5639 | 0  |   |      |   |      |
| Zinc, Total                  | ug/L     | 29  | 5    | 170  | 26.58621 | 30.4109  | 18 | < | 5    | < | 10   |
| Zinc, Total Recoverable      | ug/L     | 51  | 0.01 | 80   | 19.15    | 16.19    | 29 | < | 0.01 | < | 20   |

< - denotes value is below detectable limits

> - denotes value is above detectable limits

## FOIDEL CREEK MINE - 14

|                         |                       |              |       |        |      |          |       |
|-------------------------|-----------------------|--------------|-------|--------|------|----------|-------|
| Sample Point:           | 14                    | Township:    | 004N  | Range: | 086W | Section: | 7SWNE |
| Mine:                   | FOIDEL CREEK MINE     | Northing:    | 27882 |        |      |          |       |
| State:                  | CO                    | Easting:     | 12447 |        |      |          |       |
| Drainage/Geologic Unit: |                       | Elevation:   | 6915  |        |      |          |       |
| Date Range:             | 10/1/1977 - 9/30/2023 | Total Depth: | 0     |        |      |          |       |



## Ground and Surface Water Quality Statistics Report

**Sample Point** 16A  
**Mine:** FOIDEL CREEK MINE  
**State:** CO  
**Drainage/Geologic Unit:**  
**Date Range** 10/01/1978 to 9/30/2023

**Township** 005N  
**Northing** 39083  
**Easting** 9211  
**Elevation** 6915  
**Range:** 087W **Section** 25

| <u>Parm Description</u>                      | <u>Units</u> | <u>Uncensored Data</u> |            |            |             |                 | <u>Censored Data</u> |            |            |
|----------------------------------------------|--------------|------------------------|------------|------------|-------------|-----------------|----------------------|------------|------------|
|                                              |              | <u>Count</u>           | <u>Min</u> | <u>Max</u> | <u>Mean</u> | <u>Std.Dev.</u> | <u>Count</u>         | <u>Min</u> | <u>Max</u> |
| Alkalinity as CaCO <sub>3</sub> , @ pH 4.5   | mg/L         | 64                     | 134        | 310        | 232.2031    | 56.11388        | 0                    |            |            |
| Alkalinity, Bicarbonate as CaCO <sub>3</sub> | mg/L         | 79                     | 100        | 360        | 242.7342    | 54.86457        | 0                    |            |            |
| Alkalinity, Carbonate as CaCO <sub>3</sub>   | mg/L         | 60                     | 2          | 44.5       | 17.2        | 10.6            | 19                   | < 1        | < 20       |
| Alkalinity, Hydroxide as CaCO <sub>3</sub>   | mg/L         | 0                      |            |            |             |                 | 24                   | < 2        | < 10       |
| Aluminum, Dissolved                          | mg/L         | 0                      |            |            |             |                 | 1                    | < 0.02     | < 0.02     |
| Ammonia Nitrogen                             | mg/L         | 11                     | 0.004      | 0.17       | 0.062       | 0.053           | 69                   | < 0.001    | < 0.5      |
| Ammonium                                     | mg/L         | 1                      | 0.3        | 0.3        | 0.3         |                 | 1                    | < 0.05     | < 0.05     |
| Arsenic, Total                               | mg/L         | 0                      |            |            |             |                 | 1                    | < 0.01     | < 0.01     |
| Bicarbonate as HCO <sub>3</sub>              | mg/L         | 25                     | 157        | 345        | 279.28      | 51.19124        | 0                    |            |            |
| Boron, Total                                 | mg/L         | 1                      | 0.13       | 0.13       | 0.13        |                 | 0                    |            |            |
| Cadmium, Total Recoverable                   | ug/L         | 13                     | 6E-05      | 0.0002     | 0.0001      | 0.0001          | 67                   | < 0.00005  | < 5        |
| Calcium, Dissolved                           | mg/L         | 79                     | 27.4       | 200        | 60.2        | 20.0            | 0                    |            |            |
| Carbonate as CO <sub>3</sub>                 | mg/L         | 20                     | 3.8        | 26.7       | 15.5        | 6.6             | 3                    | < 2        | < 10       |
| Chloride                                     | mg/L         | 1                      | 3          | 3          | 3           |                 | 0                    |            |            |
| Chromium-6                                   | mg/L         | 0                      |            |            |             |                 | 1                    | < 0.005    | < 0.005    |
| Cobalt, Total                                | mg/L         | 0                      |            |            |             |                 | 1                    | < 0.006    | < 0.006    |
| COD                                          | mg/L         | 1                      | 10         | 10         | 10          |                 | 0                    |            |            |
| Copper, Potentially Dissolvable              | mg/L         | 0                      |            |            |             |                 | 1                    | < 0.005    | < 0.005    |
| Copper, Total Recoverable                    | mg/L         | 0                      |            |            |             |                 | 1                    | < 0.005    | < 0.005    |
| Cyanide                                      | mg/L         | 0                      |            |            |             |                 | 2                    | < 0.005    | < 0.005    |
| Fecal Coliform                               | #/100ML      | 1                      | 20         | 20         | 20          |                 | 0                    |            |            |
| Flow                                         | cfs          | 79                     | 0.13       | 95.87      | 15.91       | 24.94           | 0                    |            |            |
| Fluoride                                     | mg/L         | 1                      | 0.22       | 0.22       | 0.22        |                 | 0                    |            |            |
| Hardness                                     | mg/L         | 1                      | 320        | 320        | 320         |                 | 0                    |            |            |
| Hardness, Calcium                            | mg/L         | 2                      | 8.9        | 25.9       | 17.4        | 12.0            | 0                    |            |            |
| Hydroxide as OH                              | mg/L         | 0                      |            |            |             |                 | 63                   | < 2        | < 20       |
| Iron, Dissolved                              | mg/L         | 1                      | 0.02       | 0.02       | 0.02        |                 | 0                    |            |            |
| Iron, Total                                  | ug/L         | 22                     | 0.09       | 7000       | 321.99      | 1491.59         | 0                    |            |            |
| Iron, Total Recoverable                      | ug/L         | 80                     | 0.118      | 5910       | 340.055     | 1050.129        | 0                    |            |            |
| Lead, Potentially Dissolvable                | mg/L         | 0                      |            |            |             |                 | 1                    | < 0.005    | < 0.005    |

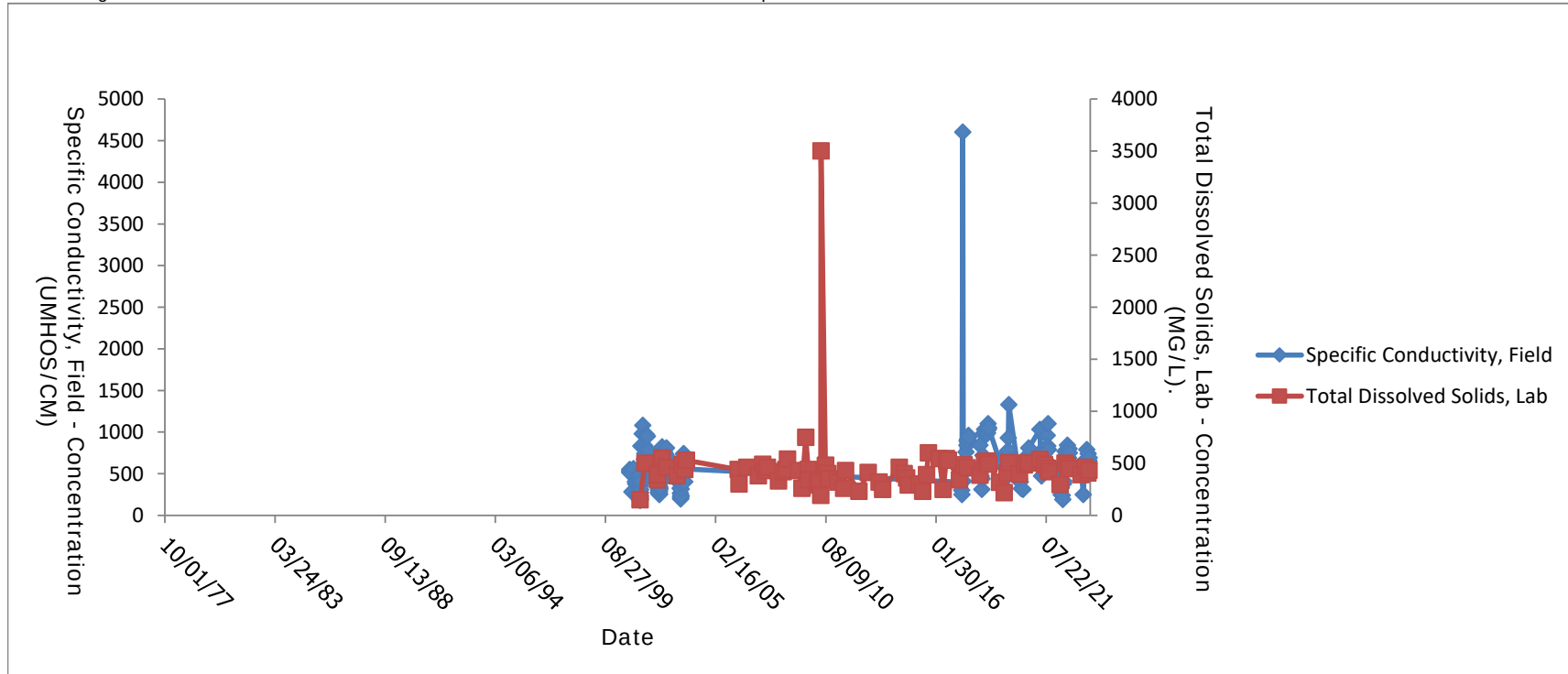
|                                 |          |     |        |       |          |          |      |           |        |
|---------------------------------|----------|-----|--------|-------|----------|----------|------|-----------|--------|
| Lead, Total Recoverable         | mg/L     | 0   |        |       |          |          | 1 <  | 0.005 <   | 0.005  |
| Lithium, Total Recoverable      | mg/L     | 1   | 3.5    | 3.5   | 3.5      |          | 0    |           |        |
| Magnesium, Dissolved            | mg/L     | 79  | 12.3   | 59    | 36.8     | 11.6     | 0    |           |        |
| Manganese, Dissolved            | mg/L     | 0   |        |       |          |          | 1 <  | 0.005 <   | 0.005  |
| Manganese, Total Recoverable    | mg/L     | 79  | 0.009  | 440   | 16.941   | 55.815   | 1 <  | 0.01 <    | 0.01   |
| Mercury, Total                  | mg/L     | 0   |        |       |          |          | 64 < | 0.0002 <  | 0.2    |
| Mercury, Total Recoverable      | ug/L     | 0   |        |       |          |          | 16 < | 0.0002 <  | 0.2    |
| Molybdenum, Total Recoverable   | ug/L     | 4   | 0.01   | 50    | 12.51    | 24.99    | 75 < | 0.02 <    | 50     |
| Nickel, Potentially Dissolvable | mg/L     | 0   |        |       |          |          | 1 <  | 0.01 <    | 0.01   |
| Nickel, Total Recoverable       | mg/L     | 0   |        |       |          |          | 1 <  | 0.01 <    | 0.01   |
| Nitrate Nitrogen                | mg/L     | 14  | 0.02   | 0.33  | 0.13     | 0.10     | 4 <  | 0.02 <    | 0.02   |
| Nitrite Nitrogen                | mg/L     | 0   |        |       |          |          | 17 < | 0.02 <    | 0.02   |
| Nitrogen, TKN                   | mg/L     | 1   | 0.54   | 0.54  | 0.54     |          | 0    |           |        |
| NO3-NO2 Nitrogen                | mg/L     | 42  | 0.02   | 0.44  | 0.12     | 0.10     | 38 < | 0.02 <    | 0.1    |
| Oil & Grease                    | mg/L     | 0   |        |       |          |          | 1 <  | 5 <       | 5      |
| pH Temperature                  | Deg C    | 96  | 12.6   | 24    | 21.1     | 1.7      | 0    |           |        |
| pH, Field                       | S.U.     | 284 | 7.25   | 8.74  | 8.26     | 0.22     | 0    |           |        |
| pH, Lab                         | S.U.     | 108 | 7.62   | 8.8   | 8.45     | 0.23     | 0    |           |        |
| Phenol                          | mg/L     | 0   |        |       |          |          | 1 <  | 0.005 <   | 0.005  |
| Phosphorus, Dissolved           | mg/L     | 5   | 0.01   | 0.04  | 0.03     | 0.01     | 0    |           |        |
| Phosphorus, Orthophosphorus     | mg/L     | 52  | 0.01   | 0.12  | 0.03     | 0.02     | 24 < | 0.01 <    | 0.05   |
| Selenium, Total Recoverable     | ug/L     | 66  | 0.0002 | 4     | 0.1521   | 0.7068   | 14 < | 0.002 <   | 2      |
| Silver, Potentially Dissolvable | mg/L     | 0   |        |       |          |          | 1 <  | 0.0002 <  | 0.0002 |
| Silver, Total Recoverable       | ug/L     | 1   | 9E-05  | 9E-05 | 9E-05    |          | 79 < | 0.00005 < | 5      |
| Sodium Adsorption Ratio         | RATIO    | 79  | 0.31   | 2.8   | 0.67     | 0.31     | 0    |           |        |
| Sodium, Dissolved               | mg/L     | 79  | 8.8    | 85    | 26.4     | 11.3     | 0    |           |        |
| Solids, Settleable              | mL/L     | 8   | 0.1    | 1.1   | 0.3      | 0.3      | 16 < | 0.1 <     | 0.6    |
| Solids, Total Suspended         | mg/L     | 93  | 5      | 678   | 79.46236 | 122.2887 | 9 <  | 5 <       | 20     |
| Specific Conductivity, Field    | UMHOS/CM | 293 | 179.2  | 4600  | 594.0    | 319.4    | 0    |           |        |
| Specific Conductivity, Lab      | UMHOS/CM | 103 | 205    | 1900  | 623.4563 | 198.6817 | 0    |           |        |
| Sulfates                        | mg/L     | 94  | 26     | 290   | 123.8543 | 45.35993 | 0    |           |        |
| Sulfide                         | mg/L     | 0   |        |       |          |          | 1 <  | 0.1 <     | 0.1    |
| Temperature, Field              | Deg C    | 275 | 0.1    | 28.8  | 12.7     | 6.6      | 0    |           |        |
| Total Dissolved Solids, Lab     | mg/L     | 82  | 150    | 3500  | 448.2683 | 356.4462 | 0    |           |        |
| Zinc, Potentially Dissolvable   | mg/L     | 0   |        |       |          |          | 1 <  | 0.005 <   | 0.005  |
| Zinc, Total Recoverable         | ug/L     | 29  | 0.01   | 56    | 7.36     | 13.50    | 51 < | 0.005 <   | 5      |

&lt; - denotes value is below detectable limits

&gt; - denotes value is above detectable limits

# FOIDEL CREEK MINE - 16A

|                         |                       |              |       |        |      |          |    |
|-------------------------|-----------------------|--------------|-------|--------|------|----------|----|
| Sample Point:           | 16A                   | Township:    | 005N  | Range: | 087W | Section: | 25 |
| Mine:                   | FOIDEL CREEK MINE     | Northing:    | 39083 |        |      |          |    |
| State:                  | CO                    | Easting:     | 9211  |        |      |          |    |
| Drainage/Geologic Unit: |                       | Elevation:   | 6915  |        |      |          |    |
| Date Range:             | 10/1/1977 - 9/30/2023 | Total Depth: | 0     |        |      |          |    |





## Ground and Surface Water Quality Statistics Report

**Sample Point** 27A  
**Mine:** FOIDEL CREEK MINE  
**State:** CO  
**Drainage/Geologic Unit:**  
**Date Range** 10/01/1978 to 9/30/2023

**Township** 005N  
**Northing** 58928  
**Easting** 35748  
**Elevation** 6589  
**Range:** 086W  
**Section** 02NWNWSW

| <u>Parm Description</u>                      | <u>Units</u> | <u>Uncensored Data</u> |            |            |             |                 | <u>Censored Data</u> |            |            |
|----------------------------------------------|--------------|------------------------|------------|------------|-------------|-----------------|----------------------|------------|------------|
|                                              |              | <u>Count</u>           | <u>Min</u> | <u>Max</u> | <u>Mean</u> | <u>Std.Dev.</u> | <u>Count</u>         | <u>Min</u> | <u>Max</u> |
| Acidity                                      | mg/L         | 0                      |            |            |             |                 | 2 <                  | 4 <        | 4          |
| Alkalinity as CaCO <sub>3</sub> , @ pH 4.5   | mg/L         | 116                    | 84         | 1190       | 241.6724    | 109.7558        | 0                    |            |            |
| Alkalinity, Bicarbonate as CaCO <sub>3</sub> | mg/L         | 226                    | 78         | 1428       | 250.524     | 104.1455        | 0                    |            |            |
| Alkalinity, Carbonate as CaCO <sub>3</sub>   | mg/L         | 102                    | 0          | 84         | 15.13529    | 11.86242        | 32 <                 | 1 <        | 20         |
| Alkalinity, Hydroxide as CaCO <sub>3</sub>   | mg/L         | 0                      |            |            |             |                 | 19 <                 | 2 <        | 10         |
| Aluminum, Total                              | ug/L         | 37                     | 110        | 26800      | 3682.432    | 5162.446        | 3 <                  | 200 <      | 400        |
| Aluminum, Total Recoverable                  | ug/L         | 1                      | 810        | 810        | 810         |                 | 0                    |            |            |
| Ammonia Nitrogen                             | mg/L         | 28                     | 0.001      | 0.12       | 0.023       | 0.035           | 91 <                 | 0.001 <    | 3          |
| Ammonium                                     | mg/L         | 34                     | 0.02       | 1.2        | 0.15        | 0.22            | 25 <                 | 0.01 <     | 0.2        |
| Arsenic, Total                               | ug/L         | 18                     | 1          | 4          | 2.166667    | 1.150447        | 23 <                 | 1 <        | 5          |
| Arsenic, Total Recoverable                   | ug/L         | 1                      | 1          | 1          | 1           |                 | 0                    |            |            |
| Barium, Total                                | ug/L         | 0                      |            |            |             |                 | 2 <                  | 300 <      | 300        |
| Bicarbonate as HCO <sub>3</sub>              | mg/L         | 20                     | 127        | 613        | 297.8       | 118.6506        | 0                    |            |            |
| Boron, Total                                 | ug/L         | 1                      | 100        | 100        | 100         |                 | 2 <                  | 100 <      | 100        |
| Cadmium, Total                               | ug/L         | 4                      | 5          | 8          | 6.75        | 1.258306        | 37 <                 | 5 <        | 20         |
| Cadmium, Total Recoverable                   | ug/L         | 27                     | 6.9E-05    | 0.7        | 0.13344     | 0.19208         | 99 <                 | 0.00005 <  | 5          |
| Calcium, Dissolved                           | mg/L         | 226                    | 27         | 307        | 73.39956    | 27.81686        | 0                    |            |            |
| Calcium, Total Recoverable                   | mg/L         | 6                      | 62         | 84         | 74.83334    | 8.658329        | 0                    |            |            |
| Carbonate as CO <sub>3</sub>                 | mg/L         | 12                     | 3.9        | 22.3       | 12.9        | 6.1             | 6 <                  | 2 <        | 20         |
| Chloride                                     | mg/L         | 61                     | 1          | 18         | 7.442623    | 4.645875        | 5 <                  | 1 <        | 3          |
| Copper, Total                                | ug/L         | 7                      | 20         | 60         | 30          | 15.27525        | 33 <                 | 10 <       | 30         |
| Copper, Total Recoverable                    | ug/L         | 0                      |            |            |             |                 | 1 <                  | 10 <       | 10         |
| Flow                                         | cfs          | 155                    | 0          | 291.87     | 17.08       | 33.81           | 0                    |            |            |
| Fluoride                                     | mg/L         | 1                      | 0.2        | 0.2        | 0.2         |                 | 2 <                  | 0.5 <      | 0.5        |
| Hardness, Calcium                            | mg/L         | 117                    | 4.9        | 713        | 391.2       | 132.7           | 1 <                  | 2 <        | 2          |
| Hydroxide as OH                              | mg/L         | 1                      | 0          | 0          | 0           |                 | 78 <                 | 2 <        | 20         |
| Iron, Total                                  | ug/L         | 100                    | 320        | 36750      | 5545.5      | 7004.997        | 0                    |            |            |
| Iron, Total Recoverable                      | ug/L         | 126                    | 0.4        | 16100      | 1151.1      | 2538.6          | 0                    |            |            |
| Lead, Total                                  | ug/L         | 9                      | 20         | 60         | 32.22222    | 13.94433        | 31 <                 | 20 <       | 200        |
| Lead, Total Recoverable                      | ug/L         | 0                      |            |            |             |                 | 1 <                  | 20 <       | 20         |

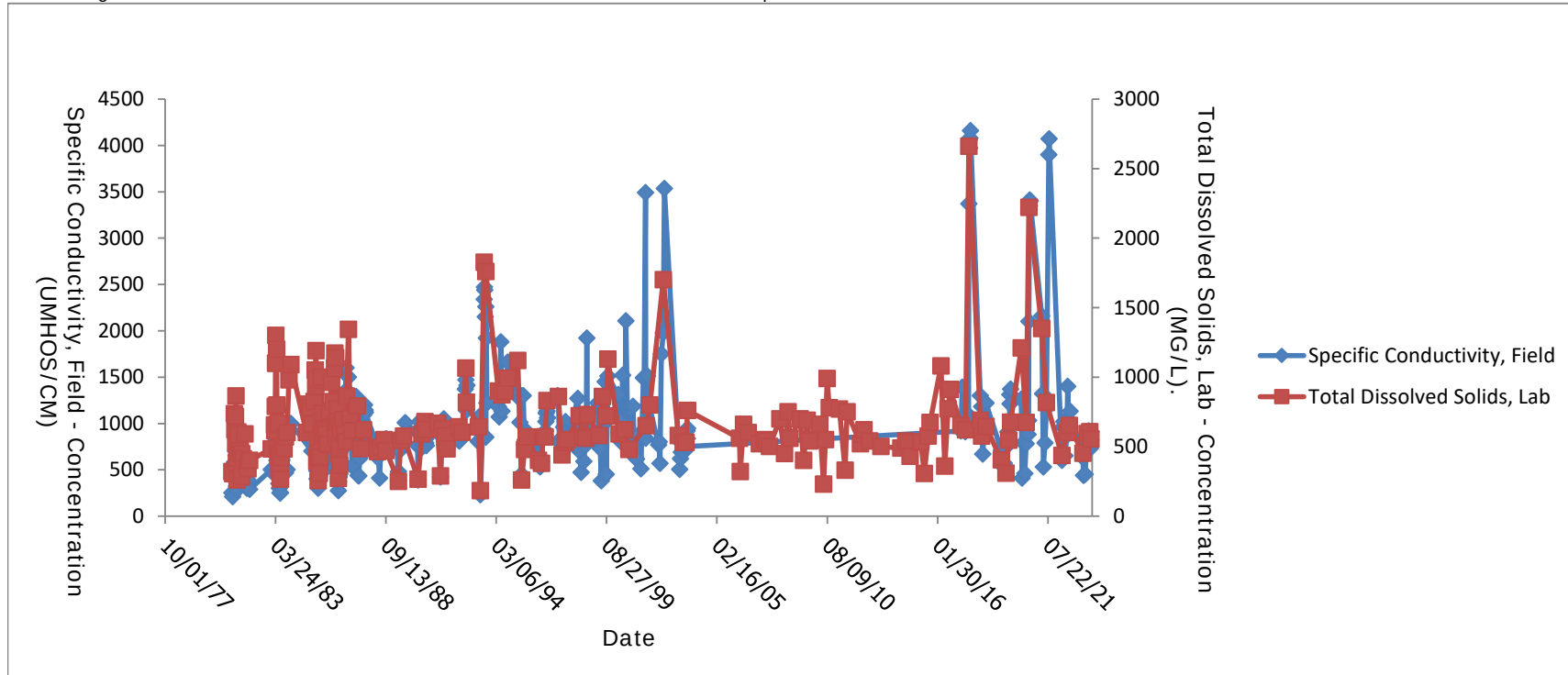
|                               |          |     |        |      |          |          |     |   |         |   |      |
|-------------------------------|----------|-----|--------|------|----------|----------|-----|---|---------|---|------|
| Magnesium, Dissolved          | mg/L     | 226 | 13     | 232  | 51.3677  | 23.21204 | 0   |   |         |   |      |
| Magnesium, Total Recoverable  | mg/L     | 6   | 36     | 76   | 54.16667 | 14.09137 | 0   |   |         |   |      |
| Manganese, Dissolved          | ug/L     | 1   | 10     | 10   | 10       |          | 0   |   |         |   |      |
| Manganese, Total              | ug/L     | 100 | 30     | 810  | 174.02   | 150.174  | 0   |   |         |   |      |
| Manganese, Total Recoverable  | ug/L     | 125 | 0.027  | 323  | 52.520   | 66.225   | 1   | < | 50      | < | 50   |
| Mercury, Total                | ug/L     | 1   | 2      | 2    | 2        |          | 97  | < | 0.0002  | < | 1    |
| Mercury, Total Recoverable    | ug/L     | 1   | 0.5    | 0.5  | 0.5      |          | 68  | < | 0.0002  | < | 0.2  |
| Molybdenum, Total             | ug/L     | 0   |        |      |          |          | 40  | < | 50      | < | 200  |
| Molybdenum, Total Recoverable | ug/L     | 5   | 0.01   | 20   | 8.01     | 10.95    | 121 | < | 0.02    | < | 50   |
| Nitrate Nitrogen              | mg/L     | 45  | 0.02   | 1.81 | 0.34     | 0.46     | 29  | < | 0.02    | < | 0.02 |
| Nitrite Nitrogen              | mg/L     | 8   | 0.01   | 0.07 | 0.04     | 0.02     | 32  | < | 0.01    | < | 0.02 |
| NO3-NO2 Nitrogen              | mg/L     | 162 | 0.005  | 3.32 | 0.691    | 0.754    | 64  | < | 0.005   | < | 0.1  |
| pH Temperature                | Deg C    | 65  | 18.1   | 24   | 21.4     | 1.4      | 0   |   |         |   |      |
| pH, Field                     | S.U.     | 357 | 6.3    | 8.91 | 8.07     | 0.43     | 0   |   |         |   |      |
| pH, Lab                       | S.U.     | 97  | 7.6    | 8.8  | 8.4      | 0.2      | 0   |   |         |   |      |
| Phosphorus, Dissolved         | mg/L     | 5   | 0.01   | 0.07 | 0.04     | 0.03     | 0   |   |         |   |      |
| Phosphorus, Orthophosphorus   | mg/L     | 93  | 0.006  | 0.17 | 0.037    | 0.029    | 68  | < | 0.005   | < | 0.05 |
| Phosphorus, Phosphate         | mg/L     | 2   | 0.04   | 0.07 | 0.06     | 0.02     | 2   | < | 0.03    | < | 0.03 |
| Potassium, Dissolved          | mg/L     | 41  | 1.3    | 7.2  | 2.6      | 1.0      | 0   |   |         |   |      |
| Selenium, Total               | ug/L     | 24  | 1      | 7    | 3.708333 | 1.731528 | 17  | < | 1       | < | 5    |
| Selenium, Total Recoverable   | ug/L     | 75  | 0.0002 | 9    | 0.7340   | 1.7652   | 51  | < | 1       | < | 5    |
| Silver, Total Recoverable     | ug/L     | 7   | 5E-05  | 0.1  | 0.0      | 0.1      | 120 | < | 0.00005 | < | 50   |
| Sodium Adsorption Ratio       | RATIO    | 209 | 0.31   | 7.7  | 1.27     | 0.92     | 0   |   |         |   |      |
| Sodium, Dissolved             | mg/L     | 226 | 8      | 390  | 60.10265 | 49.69196 | 0   |   |         |   |      |
| Sodium, Total Recoverable     | mg/L     | 6   | 24     | 42   | 31.83333 | 7.574079 | 0   |   |         |   |      |
| Solids, Settleable            | mL/L     | 0   |        |      |          |          | 1   | < | 0.2     | < | 0.2  |
| Solids, Total Suspended       | mg/L     | 221 | 4      | 1692 | 141.1041 | 232.0515 | 4   | < | 2       | < | 20   |
| Specific Conductivity, Field  | UMHOS/CM | 358 | 210    | 4160 | 968.2011 | 641.9452 | 0   |   |         |   |      |
| Specific Conductivity, Lab    | UMHOS/CM | 137 | 297    | 2950 | 952      | 415.2169 | 0   |   |         |   |      |
| Sulfates                      | mg/L     | 230 | 10     | 1470 | 303.4304 | 206.7091 | 0   |   |         |   |      |
| Temperature, Field            | Deg C    | 358 | 0      | 29.3 | 14.6     | 7.7      | 0   |   |         |   |      |
| Total Dissolved Solids, Lab   | mg/L     | 226 | 182    | 2660 | 653.5    | 311.3483 | 0   |   |         |   |      |
| Zinc, Total                   | ug/L     | 30  | 9      | 160  | 39.76667 | 35.17413 | 11  | < | 5       | < | 10   |
| Zinc, Total Recoverable       | ug/L     | 63  | 0.01   | 140  | 20.00    | 23.38    | 63  | < | 0.01    | < | 10   |

&lt; - denotes value is below detectable limits

&gt; - denotes value is above detectable limits

# FOIDEL CREEK MINE - 27A

|                         |                       |              |       |        |      |          |          |
|-------------------------|-----------------------|--------------|-------|--------|------|----------|----------|
| Sample Point:           | 27A                   | Township:    | 005N  | Range: | 086W | Section: | 02NWNWSW |
| Mine:                   | FOIDEL CREEK MINE     | Northing:    | 58928 |        |      |          |          |
| State:                  | CO                    | Easting:     | 35748 |        |      |          |          |
| Drainage/Geologic Unit: |                       | Elevation:   | 6589  |        |      |          |          |
| Date Range:             | 10/1/1977 - 9/30/2023 | Total Depth: | 0     |        |      |          |          |



## Ground and Surface Water Quality Statistics Report

**Sample Point** 29  
**Mine:** FOIDEL CREEK MINE  
**State:** CO  
**Drainage/Geologic Unit:**  
**Date Range** 10/01/1978 to 9/30/2023

**Township** 005N  
**Northing** 53296  
**Easting** 42969  
**Elevation** 6667  
**Range:** 086W  
**Section** 12NESE

| <u>Parm Description</u>                      | <u>Units</u> | <u>Uncensored Data</u> |            |            |             |                 | <u>Censored Data</u> |            |            |
|----------------------------------------------|--------------|------------------------|------------|------------|-------------|-----------------|----------------------|------------|------------|
|                                              |              | <u>Count</u>           | <u>Min</u> | <u>Max</u> | <u>Mean</u> | <u>Std.Dev.</u> | <u>Count</u>         | <u>Min</u> | <u>Max</u> |
| Acidity                                      | mg/L         | 0                      |            |            |             |                 | 2 <                  | 4 <        | 4          |
| Alkalinity as CaCO <sub>3</sub> , @ pH 4.5   | mg/L         | 137                    | 140        | 751        | 258.927     | 69.6685         | 0                    |            |            |
| Alkalinity, Bicarbonate as CaCO <sub>3</sub> | mg/L         | 303                    | 91         | 660        | 271.3863    | 84.43654        | 0                    |            |            |
| Alkalinity, Carbonate as CaCO <sub>3</sub>   | mg/L         | 130                    | 0          | 117        | 14.04154    | 14.94679        | 44 <                 | 1 <        | 20         |
| Alkalinity, Hydroxide as CaCO <sub>3</sub>   | mg/L         | 0                      |            |            |             |                 | 24 <                 | 2 <        | 10         |
| Aluminum, Total                              | ug/L         | 6                      | 200        | 1300       | 583.3333    | 487.5107        | 6 <                  | 50 <       | 400        |
| Aluminum, Total Recoverable                  | ug/L         | 20                     | 90         | 6650       | 1202.5      | 1575.533        | 0                    |            |            |
| Ammonia Nitrogen                             | mg/L         | 39                     | 0          | 0.54       | 0.07        | 0.11            | 104 <                | 0.001 <    | 5          |
| Ammonium                                     | mg/L         | 37                     | 0.02       | 1          | 0.14        | 0.19            | 26 <                 | 0.01 <     | 0.2        |
| Arsenic, Total                               | ug/L         | 0                      |            |            |             |                 | 14 <                 | 1 <        | 5          |
| Arsenic, Total Recoverable                   | ug/L         | 6                      | 1          | 2          | 1.166667    | 0.4082483       | 14 <                 | 1 <        | 1          |
| Barium, Total                                | ug/L         | 0                      |            |            |             |                 | 3 <                  | 200 <      | 300        |
| Bicarbonate as HCO <sub>3</sub>              | mg/L         | 25                     | 197        | 774        | 322.32      | 134.8539        | 0                    |            |            |
| BOD                                          | mg/L         | 31                     | 2          | 6          | 2.967742    | 1.224306        | 40 <                 | 2 <        | 2          |
| Boron, Total                                 | ug/L         | 5                      | 60         | 800        | 252         | 310.6767        | 2 <                  | 100 <      | 100        |
| Cadmium, Dissolved                           | ug/L         | 0                      |            |            |             |                 | 2 <                  | 0.005 <    | 0.1        |
| Cadmium, Total                               | ug/L         | 2                      | 6          | 10         | 8           | 2.828427        | 12 <                 | 0.1 <      | 20         |
| Cadmium, Total Recoverable                   | ug/L         | 35                     | 5.6E-05    | 121        | 3.64579     | 20.42238        | 128 <                | 0.00005 <  | 5          |
| Calcium, Dissolved                           | mg/L         | 303                    | 21         | 402        | 130.6459    | 62.09607        | 0                    |            |            |
| Calcium, Total Recoverable                   | mg/L         | 7                      | 125        | 287        | 199         | 63.78349        | 0                    |            |            |
| Carbon, Dissolved Organic                    | mg/L         | 70                     | 3.6        | 12.7       | 5.8         | 1.4             | 0                    |            |            |
| Carbon, Total Organic                        | mg/L         | 66                     | 4.3        | 15.6       | 6.6         | 2.1             | 4 <                  | 50 <       | 50         |
| Carbonate as CO <sub>3</sub>                 | mg/L         | 22                     | 3.1        | 70         | 12.9        | 15.2            | 2 <                  | 2 <        | 2          |
| Chloride                                     | mg/L         | 146                    | 2          | 37         | 9.505616    | 5.742105        | 6 <                  | 3 <        | 3          |
| Copper, Total                                | ug/L         | 4                      | 20         | 20         | 20          | 0               | 8 <                  | 20 <       | 30         |
| Copper, Total Recoverable                    | ug/L         | 2                      | 10         | 10         | 10          | 0               | 18 <                 | 10 <       | 10         |
| Flow                                         | cfs          | 181                    | 0.07       | 73.55      | 9.59        | 11.58           | 0                    |            |            |
| Fluoride                                     | mg/L         | 3                      | 0.1        | 0.2        | 0.1         | 0.1             | 4 <                  | 0.5 <      | 0.5        |
| Hardness, Calcium                            | mg/L         | 205                    | 4.7        | 1782       | 680.8       | 352.0           | 0                    |            |            |
| Hydroxide as OH                              | mg/L         | 0                      |            |            |             |                 | 92 <                 | 2 <        | 20         |

|                               |          |     |        |       |          |          |     |   |         |   |       |
|-------------------------------|----------|-----|--------|-------|----------|----------|-----|---|---------|---|-------|
| Iron, Dissolved               | mg/L     | 1   | 330    | 330   | 330      |          | 1   | < | 0.01    | < | 0.01  |
| Iron, Total                   | ug/L     | 177 | 30     | 96000 | 5667.74  | 12176.14 | 8   | < | 10      | < | 20    |
| Iron, Total Recoverable       | ug/L     | 164 | 0.22   | 11300 | 833.22   | 1633.22  | 2   | < | 20      | < | 20    |
| Lead, Dissolved               | mg/L     | 1   | 40     | 40    | 40       |          | 1   | < | 0.05    | < | 0.05  |
| Lead, Total                   | ug/L     | 4   | 20     | 70    | 40       | 24.4949  | 10  | < | 20      | < | 200   |
| Lead, Total Recoverable       | ug/L     | 3   | 20     | 20    | 20       | 0        | 17  | < | 20      | < | 20    |
| Magnesium, Dissolved          | mg/L     | 303 | 18     | 242   | 79.96535 | 44.61871 | 0   |   |         |   |       |
| Magnesium, Total Recoverable  | mg/L     | 7   | 71     | 202   | 130.7143 | 45.54015 | 0   |   |         |   |       |
| Manganese, Dissolved          | ug/L     | 3   | 0.006  | 570   | 226.669  | 302.377  | 0   |   |         |   |       |
| Manganese, Total              | ug/L     | 172 | 10     | 22500 | 518.9767 | 1898.239 | 13  | < | 10      | < | 20    |
| Manganese, Total Recoverable  | ug/L     | 166 | 0.05   | 1100  | 187.46   | 212.83   | 0   |   |         |   |       |
| Mercury, Dissolved            | ug/L     | 0   |        |       |          |          | 2   | < | 0.0002  | < | 0.1   |
| Mercury, Total                | ug/L     | 6   | 0.0002 | 3     | 1.0002   | 1.5490   | 79  | < | 0.0002  | < | 5     |
| Mercury, Total Recoverable    | ug/L     | 3   | 0.2    | 0.4   | 0.3      | 0.1      | 89  | < | 0.0002  | < | 0.4   |
| Molybdenum, Dissolved         | ug/L     | 0   |        |       |          |          | 2   | < | 0.05    | < | 50    |
| Molybdenum, Total             | ug/L     | 1   | 100    | 100   | 100      |          | 11  | < | 50      | < | 300   |
| Molybdenum, Total Recoverable | ug/L     | 4   | 0.02   | 20    | 5.02     | 9.99     | 159 | < | 0.02    | < | 50    |
| Nitrate Nitrogen              | mg/L     | 59  | 0.02   | 1.16  | 0.31     | 0.32     | 29  | < | 0.02    | < | 0.02  |
| Nitrite Nitrogen              | mg/L     | 7   | 0.01   | 0.85  | 0.14     | 0.31     | 46  | < | 0.005   | < | 0.02  |
| Nitrogen, TKN                 | mg/L     | 71  | 0.2    | 2.5   | 0.7      | 0.4      | 0   |   |         |   |       |
| NO3-NO2 Nitrogen              | mg/L     | 215 | 0.013  | 6.5   | 1.012    | 1.072    | 73  | < | 0.005   | < | 0.5   |
| pH Temperature                | Deg C    | 95  | 17.9   | 27    | 21.4     | 1.5      | 0   |   |         |   |       |
| pH, Field                     | S.U.     | 620 | 6.2    | 18.8  | 7.9      | 0.6      | 0   |   |         |   |       |
| pH, Lab                       | S.U.     | 121 | 7.82   | 8.9   | 8.36     | 0.21     | 0   |   |         |   |       |
| Phosphorus, Dissolved         | mg/L     | 6   | 0.03   | 0.07  | 0.05     | 0.02     | 0   |   |         |   |       |
| Phosphorus, Orthophosphorus   | mg/L     | 133 | 0.006  | 0.6   | 0.048    | 0.075    | 38  | < | 0.005   | < | 0.022 |
| Phosphorus, Phosphate         | mg/L     | 3   | 0.03   | 0.15  | 0.08     | 0.06     | 1   | < | 0.03    | < | 0.03  |
| Phosphorus, Total             | mg/L     | 71  | 0.01   | 0.9   | 0.13     | 0.16     | 0   |   |         |   |       |
| Potassium, Dissolved          | mg/L     | 82  | 1.3    | 6.5   | 3.5      | 1.2      | 0   |   |         |   |       |
| Selenium, Dissolved           | ug/L     | 2   | 0.0004 | 1.4   | 0.7002   | 0.9897   | 1   | < | 1       | < | 1     |
| Selenium, Total               | ug/L     | 1   | 2      | 2     | 2        |          | 13  | < | 1       | < | 5     |
| Selenium, Total Recoverable   | ug/L     | 87  | 0.0001 | 8     | 0.5062   | 1.3369   | 77  | < | 0.0005  | < | 10    |
| Silver, Total                 | ug/L     | 0   |        |       |          |          | 3   | < | 30      | < | 40    |
| Silver, Total Recoverable     | ug/L     | 10  | 6E-05  | 1.3   | 0.3      | 0.5      | 132 | < | 0.00005 | < | 5     |
| Sodium Adsorption Ratio       | RATIO    | 302 | 0.3463 | 17    | 1.3400   | 1.5180   | 0   |   |         |   |       |
| Sodium, Dissolved             | mg/L     | 303 | 13     | 913   | 77.62277 | 84.08605 | 0   |   |         |   |       |
| Sodium, Total Recoverable     | mg/L     | 7   | 34     | 148   | 86.28571 | 41.05977 | 0   |   |         |   |       |
| Solids, Settleable            | mL/L     | 0   |        |       |          |          | 2   | < | 0.1     | < | 0.2   |
| Solids, Total Suspended       | mg/L     | 408 | 2      | 4560  | 146.4294 | 336.251  | 16  | < | 2       | < | 20    |
| Specific Conductivity, Field  | UMHOS/CM | 621 | 250    | 5820  | 1357.354 | 708.6459 | 0   |   |         |   |       |

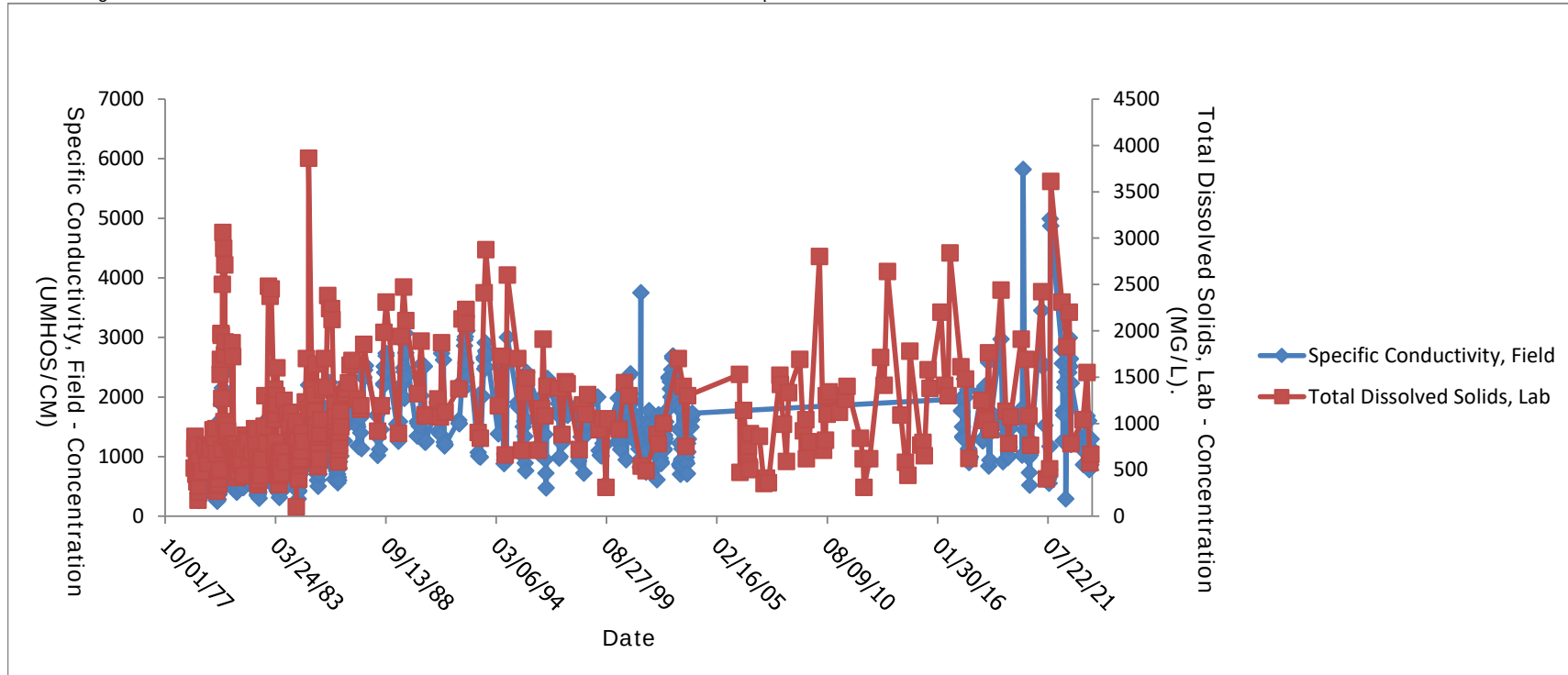
|                             |          |     |      |      |          |          |      |        |    |  |
|-----------------------------|----------|-----|------|------|----------|----------|------|--------|----|--|
| Specific Conductivity, Lab  | UMHOS/CM | 208 | 450  | 4740 | 1608.817 | 650.3757 | 0    |        |    |  |
| Sulfates                    | mg/L     | 380 | 42   | 3700 | 590.0289 | 388.1324 | 1 <  | 5 <    | 5  |  |
| Temperature, Field          | Deg C    | 610 | 0    | 27   | 12.34675 | 6.830555 | 0    |        |    |  |
| Total Dissolved Solids, Lab | mg/L     | 356 | 101  | 3860 | 1060.239 | 613.931  | 0    |        |    |  |
| Zinc, Total                 | ug/L     | 12  | 10   | 1400 | 144      | 395.6764 | 1 <  | 5 <    | 5  |  |
| Zinc, Total Recoverable     | ug/L     | 78  | 0.01 | 150  | 21.31    | 24.51    | 85 < | 0.01 < | 50 |  |

< - denotes value is below detectable limits

> - denotes value is above detectable limits

## FOIDEL CREEK MINE - 29

|                         |                       |              |       |        |      |          |        |
|-------------------------|-----------------------|--------------|-------|--------|------|----------|--------|
| Sample Point:           | 29                    | Township:    | 005N  | Range: | 086W | Section: | 12NESE |
| Mine:                   | FOIDEL CREEK MINE     | Northing:    | 53296 |        |      |          |        |
| State:                  | CO                    | Easting:     | 42969 |        |      |          |        |
| Drainage/Geologic Unit: |                       | Elevation:   | 6667  |        |      |          |        |
| Date Range:             | 10/1/1977 - 9/30/2023 | Total Depth: | 0     |        |      |          |        |



## Ground and Surface Water Quality Statistics Report

**Sample Point** 301  
**Mine:** FOIDEL CREEK MINE  
**State:** CO  
**Drainage/Geologic Unit:**  
**Date Range** 10/01/1978 to 9/30/2023

**Township** 005N  
**Northing** 52952  
**Easting** 45463  
**Elevation** 6667  
**Range:** 085W  
**Section** 7NWNESW

| <u>Parm Description</u>                      | <u>Units</u> | <u>Uncensored Data</u> |            |            |             |                 | <u>Censored Data</u> |            |            |
|----------------------------------------------|--------------|------------------------|------------|------------|-------------|-----------------|----------------------|------------|------------|
|                                              |              | <u>Count</u>           | <u>Min</u> | <u>Max</u> | <u>Mean</u> | <u>Std.Dev.</u> | <u>Count</u>         | <u>Min</u> | <u>Max</u> |
| Alkalinity as CaCO <sub>3</sub> , @ pH 4.5   | mg/L         | 121                    | 0          | 217        | 130.2025    | 38.89145        | 0                    |            |            |
| Alkalinity, Bicarbonate as CaCO <sub>3</sub> | mg/L         | 139                    | 0          | 430        | 147.5122    | 45.56462        | 0                    |            |            |
| Alkalinity, Carbonate as CaCO <sub>3</sub>   | mg/L         | 84                     | 0          | 29.5       | 7.4         | 5.5             | 48                   | < 1        | < 20       |
| Alkalinity, Hydroxide as CaCO <sub>3</sub>   | mg/L         | 0                      |            |            |             |                 | 29                   | < 2        | < 10       |
| Ammonia Nitrogen                             | mg/L         | 16                     | 0.002      | 0.07       | 0.025       | 0.024           | 116                  | < 0.001    | < 3        |
| Ammonium                                     | mg/L         | 21                     | 0.03       | 0.29       | 0.09        | 0.05            | 29                   | < 0.01     | < 0.05     |
| Bicarbonate as HCO <sub>3</sub>              | mg/L         | 30                     | 74.9       | 234        | 171.8       | 36.1            | 0                    |            |            |
| BOD                                          | mg/L         | 27                     | 2          | 76         | 6.111111    | 14.12399        | 40                   | < 2        | < 2        |
| Cadmium, Potentially Dissolvable             | mg/L         | 0                      |            |            |             |                 | 1                    | < 0.0005   | < 0.0005   |
| Cadmium, Total Recoverable                   | ug/L         | 6                      | 0.1        | 0.8        | 0.4         | 0.3             | 133                  | < 0.00005  | < 5        |
| Calcium, Dissolved                           | mg/L         | 141                    | 20.4       | 220        | 56.6        | 23.6            | 0                    |            |            |
| Calcium, Total Recoverable                   | mg/L         | 3                      | 51         | 84         | 65.66666    | 16.80278        | 0                    |            |            |
| Carbon, Dissolved Organic                    | mg/L         | 66                     | 1.4        | 16         | 4.3         | 2.1             | 0                    |            |            |
| Carbon, Total Organic                        | mg/L         | 66                     | 1.4        | 22         | 5.0         | 2.7             | 0                    |            |            |
| Carbonate as CO <sub>3</sub>                 | mg/L         | 19                     | 3          | 17.7       | 7.1         | 4.4             | 8                    | < 2        | < 10       |
| Chloride                                     | mg/L         | 1                      | 2          | 2          | 2           |                 | 1                    | < 1        | < 1        |
| Copper, Potentially Dissolvable              | mg/L         | 1                      | 0.001      | 0.001      | 0.001       |                 | 0                    |            |            |
| Flow                                         | cfs          | 81                     | 1          | 181.24     | 38.68       | 38.77           | 0                    |            |            |
| Hardness, Calcium                            | mg/L         | 48                     | 12         | 780        | 248.2229    | 119.3257        | 1                    | < 2        | < 2        |
| Hydroxide as OH                              | mg/L         | 0                      |            |            |             |                 | 94                   | < 2        | < 20       |
| Iron, Total                                  | ug/L         | 1                      | 430        | 430        | 430         |                 | 0                    |            |            |
| Iron, Total Recoverable                      | ug/L         | 140                    | 0.18       | 3080       | 292.48      | 500.85          | 0                    |            |            |
| Magnesium, Dissolved                         | mg/L         | 141                    | 8.7        | 100        | 30.2        | 13.1            | 0                    |            |            |
| Magnesium, Total Recoverable                 | mg/L         | 3                      | 22         | 41         | 32.66667    | 9.712535        | 0                    |            |            |
| Manganese, Dissolved                         | ug/L         | 17                     | 10         | 120        | 27.05882    | 26.63754        | 5                    | < 10       | < 10       |
| Manganese, Total                             | ug/L         | 1                      | 20         | 20         | 20          |                 | 0                    |            |            |
| Manganese, Total Recoverable                 | mg/L         | 160                    | 0.016      | 161        | 26.412      | 33.808          | 1                    | < 0.01     | < 0.01     |
| Mercury, Total                               | mg/L         | 0                      |            |            |             |                 | 74                   | < 0.0002   | < 0.001    |
| Mercury, Total Recoverable                   | ug/L         | 2                      | 0.2        | 1.1        | 0.7         | 0.6             | 63                   | < 0.0002   | < 0.2      |
| Molybdenum, Total Recoverable                | ug/L         | 3                      | 0.01       | 0.02       | 0.01        | 0.01            | 136                  | < 0.02     | < 50       |



|                                 |          |     |        |      |           |            |     |   |         |   |        |
|---------------------------------|----------|-----|--------|------|-----------|------------|-----|---|---------|---|--------|
| Nitrate Nitrogen                | mg/L     | 35  | 0.02   | 2.63 | 0.16      | 0.44       | 30  | < | 0.02    | < | 0.02   |
| Nitrite Nitrogen                | mg/L     | 2   | 0.02   | 0.04 | 0.03      | 0.01       | 38  | < | 0.01    | < | 0.02   |
| Nitrogen, TKN                   | mg/L     | 65  | 0.1    | 1    | 0.5       | 0.2        | 2   | < | 0.5     | < | 0.5    |
| NO3-NO2 Nitrogen                | mg/L     | 49  | 0.02   | 2.63 | 0.14      | 0.38       | 91  | < | 0.02    | < | 0.2    |
| pH Temperature                  | Deg C    | 94  | 16.6   | 26   | 21.3      | 1.6        | 0   |   |         |   |        |
| pH, Field                       | S.U.     | 369 | 6.7    | 9.2  | 8.3       | 0.3        | 0   |   |         |   |        |
| pH, Lab                         | S.U.     | 127 | 6.8    | 9    | 8.3       | 0.3        | 0   |   |         |   |        |
| Phosphorus, Dissolved           | mg/L     | 4   | 0.01   | 0.03 | 0.02      | 0.01       | 1   | < | 0.05    | < | 0.05   |
| Phosphorus, Orthophosphorus     | mg/L     | 93  | 0.005  | 0.11 | 0.023     | 0.018      | 42  | < | 0.005   | < | 0.05   |
| Phosphorus, Phosphate           | mg/L     | 2   | 0.03   | 0.04 | 0.04      | 0.01       | 2   | < | 0.03    | < | 0.03   |
| Phosphorus, Total               | mg/L     | 67  | 0.02   | 0.19 | 0.06      | 0.04       | 0   |   |         |   |        |
| Potassium, Dissolved            | mg/L     | 2   | 3      | 3    | 3         | 0          | 0   |   |         |   |        |
| Selenium, Total Recoverable     | ug/L     | 56  | 0.0001 | 6    | 0.4466    | 1.2780     | 83  | < | 0.0001  | < | 10     |
| Silver, Potentially Dissolvable | mg/L     | 0   |        |      |           |            | 1   | < | 0.0003  | < | 0.0003 |
| Silver, Total Recoverable       | ug/L     | 1   | 0.2    | 0.2  | 0.2       |            | 138 | < | 0.00005 | < | 20     |
| Sodium Adsorption Ratio         | RATIO    | 141 | 0      | 1    | 0.2444199 | 0.09535303 | 0   |   |         |   |        |
| Sodium, Dissolved               | mg/L     | 141 | 3      | 40   | 9.39461   | 4.966447   | 0   |   |         |   |        |
| Sodium, Total Recoverable       | mg/L     | 3   | 7      | 22   | 14        | 7.549834   | 0   |   |         |   |        |
| Solids, Settleable              | mL/L     | 0   |        |      |           |            | 1   | < | 0.2     | < | 0.2    |
| Solids, Total Suspended         | mg/L     | 154 | 2      | 154  | 19.43117  | 23.00261   | 53  | < | 2       | < | 20     |
| Specific Conductivity, Field    | UMHOS/CM | 374 | 150    | 1370 | 581.6833  | 202.3107   | 0   |   |         |   |        |
| Specific Conductivity, Lab      | UMHOS/CM | 212 | 189    | 1270 | 537.1274  | 192.653    | 0   |   |         |   |        |
| Sulfates                        | mg/L     | 227 | 21     | 702  | 168.444   | 94.41947   | 1   | < | 5       | < | 5      |
| Temperature, Field              | Deg C    | 330 | 0.1    | 27.2 | 12.6      | 7.1        | 0   |   |         |   |        |
| Titanium, Total Recoverable     | ug/L     | 1   | 24     | 24   | 24        |            | 0   |   |         |   |        |
| Total Dissolved Solids, Lab     | mg/L     | 142 | 128    | 1064 | 359.7253  | 137.736    | 0   |   |         |   |        |
| Zinc, Total Recoverable         | ug/L     | 41  | 0.01   | 220  | 29.60     | 42.89      | 97  | < | 0.01    | < | 10     |

&lt; - denotes value is below detectable limit:

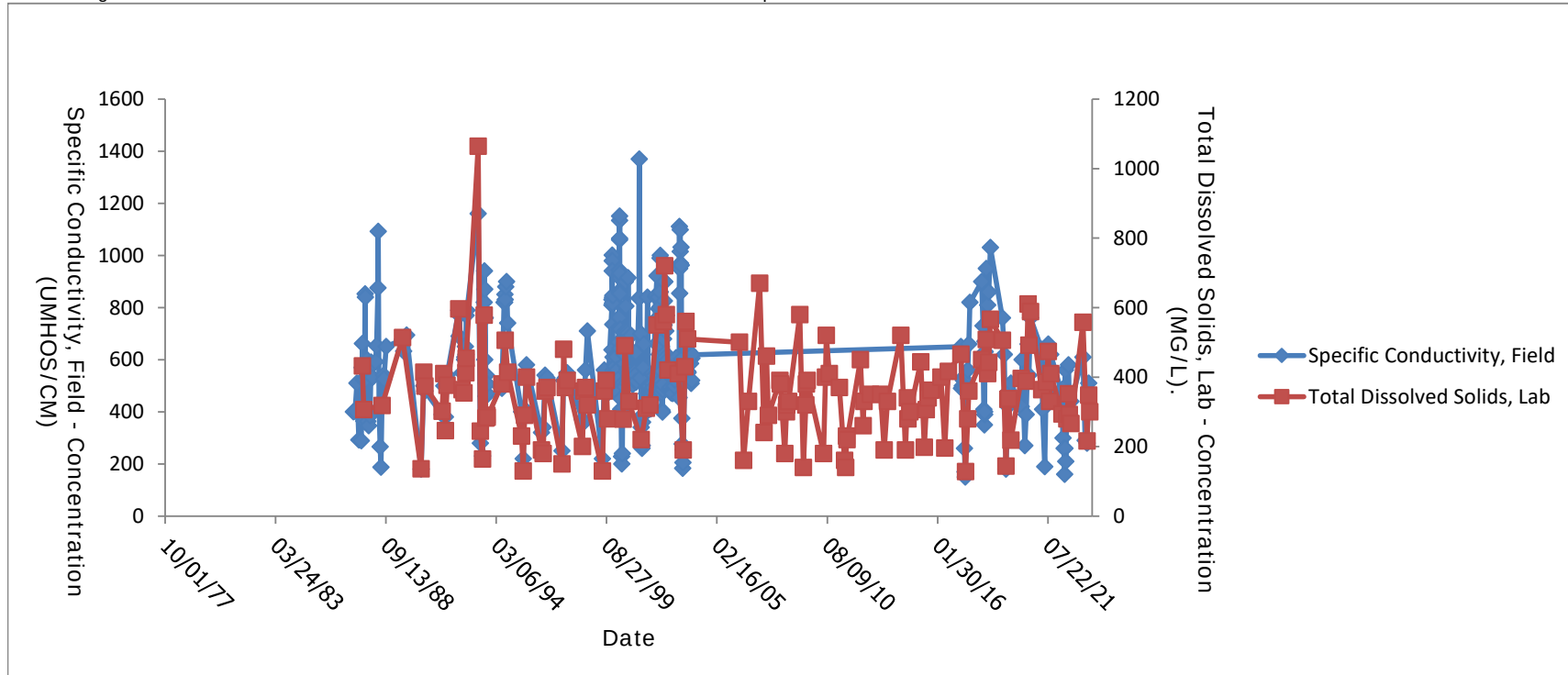
&gt; - denotes value is above detectable limit:

&lt; - denotes value is below detectable limits

&gt; - denotes value is above detectable limits

# FOIDEL CREEK MINE - 301

|                         |                       |              |       |        |      |          |        |
|-------------------------|-----------------------|--------------|-------|--------|------|----------|--------|
| Sample Point:           | 301                   | Township:    | 005N  | Range: | 085W | Section: | 05NENE |
| Mine:                   | FOIDEL CREEK MINE     | Northing:    | 52952 |        |      |          |        |
| State:                  | CO                    | Easting:     | 45463 |        |      |          |        |
| Drainage/Geologic Unit: |                       | Elevation:   | 6667  |        |      |          |        |
| Date Range:             | 10/1/1977 - 9/30/2023 | Total Depth: | 0     |        |      |          |        |



## Ground and Surface Water Quality Statistics Report

**Sample Point** 302  
**Mine:** FOIDEL CREEK MINE  
**State:** CO  
**Drainage/Geologic Unit:**  
**Date Range** 10/01/1978 to 9/30/2023

**Township** 005N  
**Northing** 43867  
**Easting** 17122  
**Elevation** 6706  
**Range:** 086W  
**Section** 20SWSWNE

| <u>Parm Description</u>                      | <u>Units</u> | <u>Uncensored Data</u> |            |            |             |                 | <u>Censored Data</u> |            |            |
|----------------------------------------------|--------------|------------------------|------------|------------|-------------|-----------------|----------------------|------------|------------|
|                                              |              | <u>Count</u>           | <u>Min</u> | <u>Max</u> | <u>Mean</u> | <u>Std.Dev.</u> | <u>Count</u>         | <u>Min</u> | <u>Max</u> |
| Alkalinity as CaCO <sub>3</sub> , @ pH 4.5   | mg/L         | 56                     | 96         | 428        | 274.6429    | 59.92736        | 0                    |            |            |
| Alkalinity, Bicarbonate as CaCO <sub>3</sub> | mg/L         | 67                     | 5          | 508        | 312.4388    | 81.23181        | 0                    |            |            |
| Alkalinity, Carbonate as CaCO <sub>3</sub>   | mg/L         | 51                     | 0          | 46.4       | 13.5        | 9.7             | 13                   | < 1        | < 2        |
| Alkalinity, Hydroxide as CaCO <sub>3</sub>   | mg/L         | 0                      |            |            |             |                 | 4                    | < 2        | < 2        |
| Ammonia Nitrogen                             | mg/L         | 10                     | 0.003      | 0.25       | 0.073       | 0.086           | 48                   | < 0.003    | < 0.5      |
| Ammonium                                     | mg/L         | 19                     | 0.01       | 0.52       | 0.11        | 0.11            | 29                   | < 0.01     | < 0.05     |
| Bicarbonate as HCO <sub>3</sub>              | mg/L         | 4                      | 247        | 321        | 293.25      | 32.35609        | 0                    |            |            |
| Cadmium, Total Recoverable                   | ug/L         | 9                      | 0.0001     | 3.6        | 0.5445      | 1.1523          | 59                   | < 0.00005  | < 5        |
| Calcium, Dissolved                           | mg/L         | 68                     | 24         | 219        | 76.18089    | 24.80329        | 0                    |            |            |
| Carbonate as CO <sub>3</sub>                 | mg/L         | 4                      | 5.9        | 27.8       | 17.9        | 9.3             | 0                    |            |            |
| Flow                                         | cfs          | 20                     | 0.03       | 30.5       | 3.20        | 6.69            | 0                    |            |            |
| Hardness, Calcium                            | mg/L         | 41                     | 101        | 1130       | 404.3171    | 160.8907        | 0                    |            |            |
| Hydroxide as OH                              | mg/L         | 0                      |            |            |             |                 | 37                   | < 2        | < 20       |
| Iron, Total Recoverable                      | ug/L         | 79                     | 0.149      | 11900      | 806.865     | 1861.439        | 0                    |            |            |
| Magnesium, Dissolved                         | mg/L         | 68                     | 10         | 141        | 50.175      | 17.02895        | 0                    |            |            |
| Manganese, Total Recoverable                 | ug/L         | 68                     | 0.015      | 1500       | 78.246      | 190.926         | 0                    |            |            |
| Mercury, Total                               | mg/L         | 1                      | 0.0002     | 0.0002     | 0.0002      |                 | 15                   | < 0.0002   | < 0.001    |
| Mercury, Total Recoverable                   | ug/L         | 1                      | 0.2        | 0.2        | 0.2         |                 | 51                   | < 0.1      | < 0.2      |
| Molybdenum, Total Recoverable                | ug/L         | 1                      | 10         | 10         | 10          |                 | 67                   | < 0.02     | < 50       |
| Nitrate Nitrogen                             | mg/L         | 29                     | 0.02       | 0.27       | 0.07        | 0.06            | 23                   | < 0.02     | < 0.02     |
| Nitrite Nitrogen                             | mg/L         | 4                      | 0.02       | 0.05       | 0.03        | 0.01            | 28                   | < 0.01     | < 0.02     |
| NO <sub>3</sub> -NO <sub>2</sub> Nitrogen    | mg/L         | 34                     | 0.02       | 0.65       | 0.10        | 0.12            | 34                   | < 0.02     | < 0.1      |
| pH Temperature                               | Deg C        | 17                     | 19.5       | 23.2       | 21.4        | 1.2             | 0                    |            |            |
| pH, Field                                    | S.U.         | 96                     | 7.19       | 8.8        | 8.27        | 0.29            | 0                    |            |            |
| pH, Lab                                      | S.U.         | 41                     | 8          | 8.7        | 8.4         | 0.2             | 0                    |            |            |
| Phosphorus, Dissolved                        | mg/L         | 0                      |            |            |             |                 | 1                    | < 0.05     | < 0.05     |
| Phosphorus, Orthophosphorus                  | mg/L         | 26                     | 0.005      | 0.093      | 0.024       | 0.019           | 41                   | < 0.005    | < 0.05     |
| Phosphorus, Phosphate                        | mg/L         | 2                      | 0.04       | 0.08       | 0.06        | 0.03            | 2                    | < 0.03     | < 0.03     |
| Selenium, Total Recoverable                  | ug/L         | 22                     | 0.0003     | 4          | 0.5912      | 1.2210          | 46                   | < 1        | < 2        |
| Silver, Total Recoverable                    | ug/L         | 0                      |            |            |             |                 | 68                   | < 0.0001   | < 5        |

|                              |          |    |        |         |          |          |    |   |      |   |     |
|------------------------------|----------|----|--------|---------|----------|----------|----|---|------|---|-----|
| Sodium Adsorption Ratio      | RATIO    | 69 | 0.2569 | 12.1154 | 1.4408   | 1.9073   | 0  |   |      |   |     |
| Sodium, Dissolved            | mg/L     | 68 | 6      | 728     | 69.55147 | 106.4932 | 0  |   |      |   |     |
| Solids, Settleable           | mL/L     | 0  |        |         |          |          | 1  | < | 0.2  | < | 0.2 |
| Solids, Total Suspended      | mg/L     | 53 | 2      | 378     | 40.54717 | 73.01622 | 15 | < | 2    | < | 20  |
| Specific Conductivity, Field | UMHOS/CM | 96 | 200    | 3750    | 1144.469 | 751.8703 | 0  |   |      |   |     |
| Specific Conductivity, Lab   | UMHOS/CM | 69 | 246    | 4010    | 949.1449 | 518.9637 | 0  |   |      |   |     |
| Sulfates                     | mg/L     | 68 | 40     | 1852    | 271.5588 | 287.3421 | 0  |   |      |   |     |
| Temperature, Field           | Deg C    | 96 | 0.1    | 27      | 16.8     | 5.6      | 0  |   |      |   |     |
| Total Dissolved Solids, Lab  | mg/L     | 68 | 156    | 5960    | 733.2647 | 748.0748 | 0  |   |      |   |     |
| Zinc, Total Recoverable      | ug/L     | 34 | 0.01   | 210     | 29.59    | 39.80    | 34 | < | 0.01 | < | 50  |

< - denotes value is below detectable limits

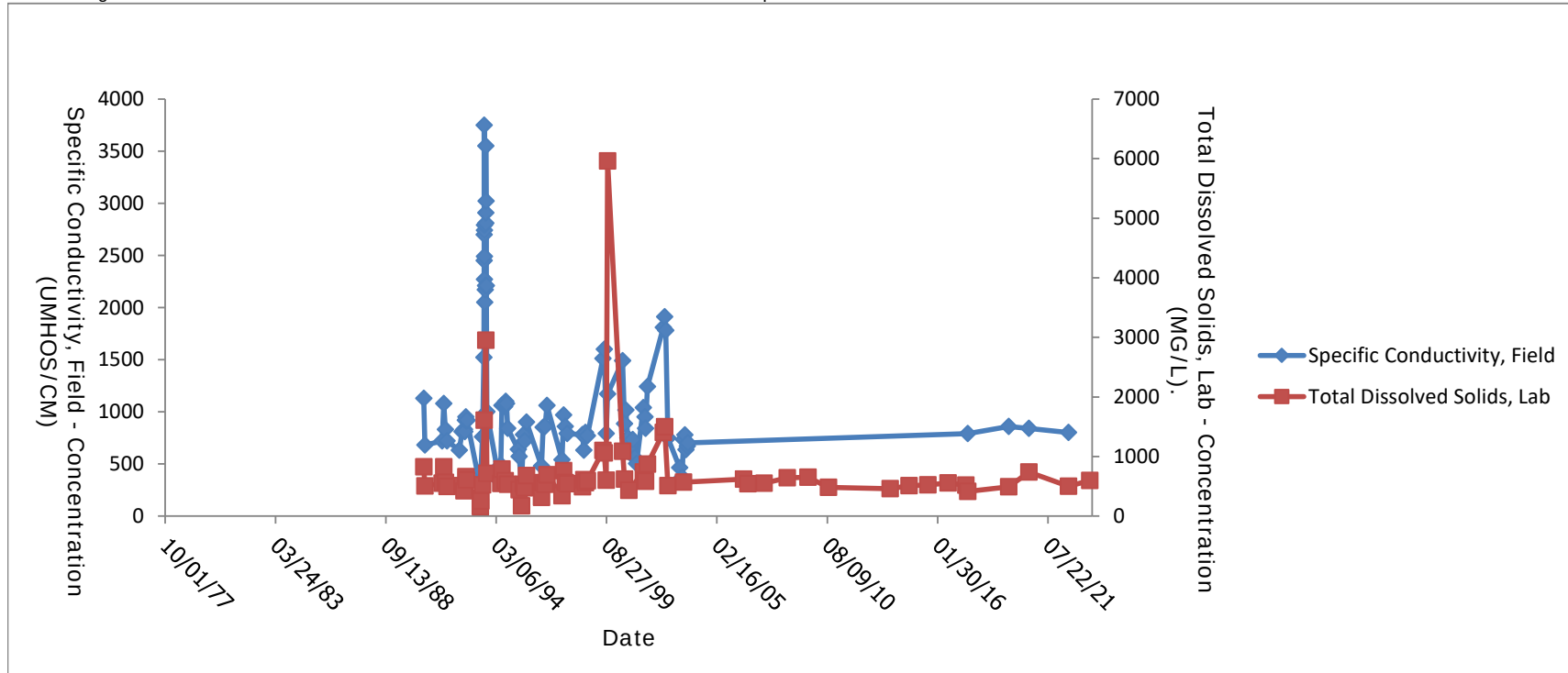
> - denotes value is above detectable limit

< - denotes value is below detectable limits

> - denotes value is above detectable limits

# FOIDEL CREEK MINE - 302

|                         |                       |              |       |        |      |          |        |
|-------------------------|-----------------------|--------------|-------|--------|------|----------|--------|
| Sample Point:           | 302                   | Township:    | 005N  | Range: | 086W | Section: | 05NENE |
| Mine:                   | FOIDEL CREEK MINE     | Northing:    | 43867 |        |      |          |        |
| State:                  | CO                    | Easting:     | 17122 |        |      |          |        |
| Drainage/Geologic Unit: |                       | Elevation:   | 6706  |        |      |          |        |
| Date Range:             | 10/1/1977 - 9/30/2023 | Total Depth: | 0     |        |      |          |        |



## Ground and Surface Water Quality Statistics Report

**Sample Point** 305  
**Mine:** FOIDEL CREEK MINE  
**State:** CO  
**Drainage/Geologic Unit:**  
**Date Range** 10/01/1978 to 9/30/2023

**Township** 005N  
**Northing** 58411  
**Easting** 33591  
**Elevation** 6598  
**Range:** 086W  
**Section** 02NENWSW

| <u>Parm Description</u>                      | <u>Units</u> | <u>Uncensored Data</u> |            |            |             |                 | <u>Censored Data</u> |            |            |
|----------------------------------------------|--------------|------------------------|------------|------------|-------------|-----------------|----------------------|------------|------------|
|                                              |              | <u>Count</u>           | <u>Min</u> | <u>Max</u> | <u>Mean</u> | <u>Std.Dev.</u> | <u>Count</u>         | <u>Min</u> | <u>Max</u> |
| Alkalinity as CaCO <sub>3</sub> , @ pH 4.5   | mg/L         | 46                     | 100        | 551        | 246.913     | 69.22646        | 0                    |            |            |
| Alkalinity, Bicarbonate as CaCO <sub>3</sub> | mg/L         | 54                     | 122        | 672        | 262.963     | 82.202          | 0                    |            |            |
| Alkalinity, Carbonate as CaCO <sub>3</sub>   | mg/L         | 45                     | 3          | 53         | 18.06667    | 11.45896        | 9                    | < 1        | < 20       |
| Alkalinity, Hydroxide as CaCO <sub>3</sub>   | mg/L         | 0                      |            |            |             |                 | 11                   | < 2        | < 10       |
| Ammonia Nitrogen                             | mg/L         | 5                      | 0.005      | 0.12       | 0.065       | 0.054           | 47                   | < 0.001    | < 0.5      |
| Ammonium                                     | mg/L         | 2                      | 0.08       | 0.15       | 0.12        | 0.05            | 0                    |            |            |
| Bicarbonate as HCO <sub>3</sub>              | mg/L         | 11                     | 195        | 329        | 280.3636    | 37.8742         | 0                    |            |            |
| Cadmium, Total Recoverable                   | ug/L         | 8                      | 5E-05      | 0.0005     | 0.0002      | 0.0001          | 46                   | < 0.00005  | < 2        |
| Calcium, Dissolved                           | mg/L         | 54                     | 37         | 386        | 72.05185    | 46.07318        | 0                    |            |            |
| Carbonate as CO <sub>3</sub>                 | mg/L         | 10                     | 9.2        | 31.8       | 20.1        | 7.4             | 1                    | < 10       | < 10       |
| Flow                                         | cfs          | 18                     | 0          | 96.6       | 14.8        | 26.8            | 0                    |            |            |
| Hardness, Calcium                            | mg/L         | 2                      | 330        | 342        | 336         | 8.485281        | 0                    |            |            |
| Hydroxide as OH                              | mg/L         | 1                      | 0          | 0          | 0           |                 | 44                   | < 2        | < 20       |
| Iron, Total Recoverable                      | ug/L         | 54                     | 0.39       | 11000      | 424.47      | 1715.38         | 0                    |            |            |
| Magnesium, Dissolved                         | mg/L         | 54                     | 17         | 279        | 52.54445    | 34.19811        | 0                    |            |            |
| Manganese, Total Recoverable                 | ug/L         | 54                     | 0.03       | 190        | 15.59       | 38.24           | 0                    |            |            |
| Mercury, Total                               | mg/L         | 0                      |            |            |             |                 | 44                   | < 0.0002   | < 0.001    |
| Mercury, Total Recoverable                   | ug/L         | 0                      |            |            |             |                 | 10                   | < 0.0002   | < 0.2      |
| Molybdenum, Total Recoverable                | ug/L         | 0                      |            |            |             |                 | 54                   | < 0.02     | < 50       |
| Nitrate Nitrogen                             | mg/L         | 7                      | 0.02       | 0.16       | 0.06        | 0.05            | 2                    | < 0.02     | < 0.02     |
| Nitrite Nitrogen                             | mg/L         | 0                      |            |            |             |                 | 7                    | < 0.02     | < 0.02     |
| NO <sub>3</sub> -NO <sub>2</sub> Nitrogen    | mg/L         | 28                     | 0.02       | 0.52       | 0.13        | 0.15            | 26                   | < 0.02     | < 0.1      |
| pH Temperature                               | Deg C        | 51                     | 18         | 25.1       | 21.2        | 1.5             | 0                    |            |            |
| pH, Field                                    | S.U.         | 43                     | 7          | 8.6        | 8.2         | 0.3             | 0                    |            |            |
| pH, Lab                                      | S.U.         | 56                     | 7.9        | 8.9        | 8.5         | 0.2             | 0                    |            |            |
| Phosphorus, Dissolved                        | mg/L         | 2                      | 0.02       | 0.03       | 0.03        | 0.01            | 1                    | < 0.05     | < 0.05     |
| Phosphorus, Orthophosphorus                  | mg/L         | 37                     | 0.01       | 0.32       | 0.04        | 0.05            | 14                   | < 0.005    | < 0.05     |
| Selenium, Total Recoverable                  | ug/L         | 46                     | 0.0002     | 7          | 0.1964      | 1.0669          | 8                    | < 1        | < 10       |
| Silver, Total Recoverable                    | ug/L         | 3                      | 6E-05      | 9E-05      | .333334E-05 | .527525E-05     | 51                   | < 0.00005  | < 0.5      |
| Sodium Adsorption Ratio                      | RATIO        | 54                     | 0.39       | 4.0472     | 1.2328      | 0.6960          | 0                    |            |            |

|                              |          |    |      |      |          |          |    |   |      |   |    |  |  |
|------------------------------|----------|----|------|------|----------|----------|----|---|------|---|----|--|--|
| Sodium, Dissolved            | mg/L     | 54 | 12   | 172  | 55.54074 | 33.13955 | 0  |   |      |   |    |  |  |
| Solids, Total Suspended      | mg/L     | 54 | 6    | 880  | 80.24074 | 161.1899 | 0  |   |      |   |    |  |  |
| Specific Conductivity, Field | UMHOS/CM | 44 | 297  | 1840 | 907.8636 | 317.5538 | 0  |   |      |   |    |  |  |
| Specific Conductivity, Lab   | UMHOS/CM | 58 | 310  | 3390 | 901.9828 | 403.8618 | 0  |   |      |   |    |  |  |
| Sulfates                     | mg/L     | 55 | 62   | 1790 | 268.0364 | 228.3716 | 0  |   |      |   |    |  |  |
| Temperature, Field           | Deg C    | 44 | 0    | 30.8 | 16.6     | 9.2      | 0  |   |      |   |    |  |  |
| Total Dissolved Solids, Lab  | mg/L     | 54 | 130  | 3140 | 632.037  | 386.1921 | 0  |   |      |   |    |  |  |
| Zinc, Total Recoverable      | ug/L     | 14 | 0.01 | 34   | 5.09     | 10.57    | 40 | < | 0.01 | < | 10 |  |  |

< - denotes value is below detectable limit:

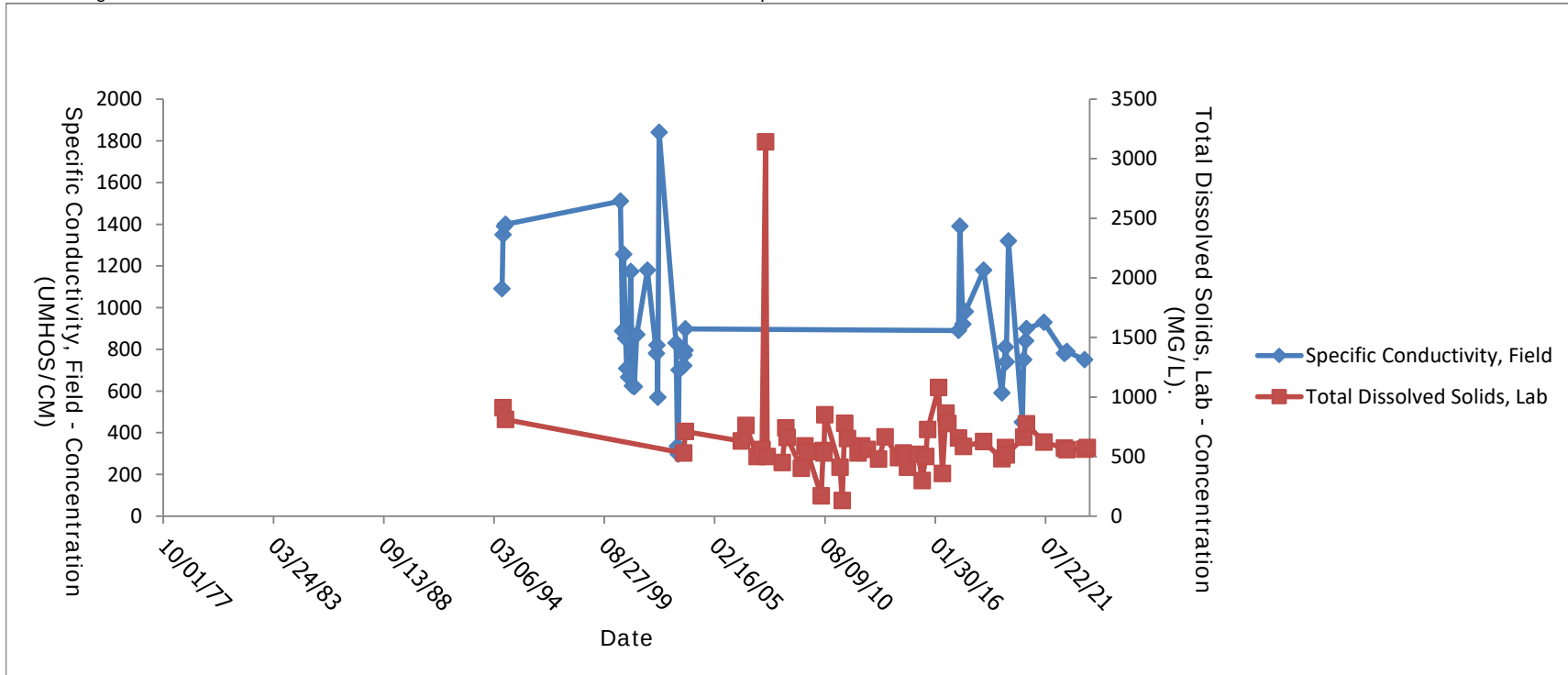
> - denotes value is above detectable limit:

< - denotes value is below detectable limits

> - denotes value is above detectable limits

# FOIDEL CREEK MINE - 305

|                         |                       |              |       |        |      |          |          |
|-------------------------|-----------------------|--------------|-------|--------|------|----------|----------|
| Sample Point:           | 305                   | Township:    | 005N  | Range: | 086W | Section: | 02NENWSW |
| Mine:                   | FOIDEL CREEK MINE     | Northing:    | 58411 |        |      |          |          |
| State:                  | CO                    | Easting:     | 33591 |        |      |          |          |
| Drainage/Geologic Unit: |                       | Elevation:   | 6598  |        |      |          |          |
| Date Range:             | 10/1/1977 - 9/30/2023 | Total Depth: | 0     |        |      |          |          |





## Ground and Surface Water Quality Statistics Report

**Sample Point** 307  
**Mine:** FOIDEL CREEK MINE  
**State:** CO  
**Drainage/Geologic Unit:**  
**Date Range** 10/01/1978 to 9/30/2023

**Township** 005N  
**Northing** 42878  
**Easting** 10599  
**Elevation** 6750  
**Range:** 086W **Section** 13

| <u>Parm Description</u>                      | <u>Units</u> | <u>Uncensored Data</u> |            |            |             |                 | <u>Censored Data</u> |            |            |
|----------------------------------------------|--------------|------------------------|------------|------------|-------------|-----------------|----------------------|------------|------------|
|                                              |              | <u>Count</u>           | <u>Min</u> | <u>Max</u> | <u>Mean</u> | <u>Std.Dev.</u> | <u>Count</u>         | <u>Min</u> | <u>Max</u> |
| Alkalinity as CaCO <sub>3</sub> , @ pH 4.5   | mg/L         | 2                      | 260        | 283        | 271.5       | 16.26346        | 0                    |            |            |
| Alkalinity, Bicarbonate as CaCO <sub>3</sub> | mg/L         | 2                      | 278        | 317        | 297.5       | 27.57716        | 0                    |            |            |
| Alkalinity, Carbonate as CaCO <sub>3</sub>   | mg/L         | 2                      | 0          | 33         | 16.5        | 23.33452        | 0                    |            |            |
| Aluminum, Dissolved                          | ug/L         | 4                      | 80         | 570        | 227.5       | 233.1487        | 4                    | < 30       | < 30       |
| Ammonia Nitrogen                             | mg/L         | 6                      | 0.05       | 0.3        | 0.15        | 0.11            | 3                    | < 0.05     | < 0.5      |
| Ammonium                                     | mg/L         | 0                      |            |            |             |                 | 1                    | < 0.05     | < 0.05     |
| Cadmium, Total Recoverable                   | ug/L         | 0                      |            |            |             |                 | 2                    | < 0.0005   | < 0.1      |
| Calcium, Dissolved                           | mg/L         | 2                      | 65.8       | 70         | 67.9        | 3.0             | 0                    |            |            |
| Flow                                         | cfs          | 1                      | 3.31       | 3.31       | 3.31        |                 | 0                    |            |            |
| Hardness, Calcium                            | mg/L         | 1                      | 355        | 355        | 355         |                 | 0                    |            |            |
| Hydroxide as OH                              | mg/L         | 0                      |            |            |             |                 | 1                    | < 20       | < 20       |
| Iron, Total Recoverable                      | ug/L         | 27                     | 0.23       | 11600      | 1016.68     | 2308.02         | 0                    |            |            |
| Magnesium, Dissolved                         | mg/L         | 2                      | 44         | 47.7       | 45.9        | 2.6             | 0                    |            |            |
| Manganese, Total Recoverable                 | ug/L         | 2                      | 0.014      | 60         | 30.007      | 42.417          | 0                    |            |            |
| Mercury, Total                               | mg/L         | 0                      |            |            |             |                 | 1                    | < 0.001    | < 0.001    |
| Mercury, Total Recoverable                   | ug/L         | 0                      |            |            |             |                 | 1                    | < 0.2      | < 0.2      |
| Molybdenum, Total Recoverable                | ug/L         | 0                      |            |            |             |                 | 2                    | < 0.05     | < 10       |
| Nitrate Nitrogen                             | mg/L         | 0                      |            |            |             |                 | 1                    | < 0.02     | < 0.02     |
| NO <sub>3</sub> -NO <sub>2</sub> Nitrogen    | mg/L         | 0                      |            |            |             |                 | 2                    | < 0.02     | < 0.1      |
| pH Temperature                               | Deg C        | 4                      | 20         | 22         | 21.25       | 0.9574271       | 0                    |            |            |
| pH, Field                                    | S.U.         | 83                     | 7.05       | 8.74       | 8.19        | 0.34            | 0                    |            |            |
| pH, Lab                                      | S.U.         | 12                     | 7.8        | 8.8        | 8.4         | 0.3             | 0                    |            |            |
| Phosphorus, Orthophosphorus                  | mg/L         | 0                      |            |            |             |                 | 2                    | < 0.005    | < 0.05     |
| Selenium, Total Recoverable                  | ug/L         | 1                      | 0.0005     | 0.0005     | 0.0005      |                 | 1                    | < 1        | < 1        |
| Silver, Total Recoverable                    | ug/L         | 0                      |            |            |             |                 | 2                    | < 0.0003   | < 0.5      |
| Sodium Adsorption Ratio                      | RATIO        | 2                      | 0.71       | 0.7512     | 0.7306      | 0.0291          | 0                    |            |            |
| Sodium, Dissolved                            | mg/L         | 2                      | 30.9       | 33         | 32.0        | 1.5             | 0                    |            |            |
| Solids, Total Suspended                      | mg/L         | 8                      | 8          | 396        | 100.25      | 136.2338        | 2                    | < 5        | < 20       |
| Specific Conductivity, Field                 | UMHOS/CM     | 83                     | 340        | 3820       | 1271.521    | 904.882         | 0                    |            |            |
| Specific Conductivity, Lab                   | UMHOS/CM     | 13                     | 315        | 2220       | 937.2308    | 475.2286        | 0                    |            |            |

|                             |       |    |     |      |       |          |   |   |      |   |    |  |  |  |  |  |  |  |  |
|-----------------------------|-------|----|-----|------|-------|----------|---|---|------|---|----|--|--|--|--|--|--|--|--|
| Sulfates                    | mg/L  | 2  | 128 | 140  | 134   | 8.485281 | 0 |   |      |   |    |  |  |  |  |  |  |  |  |
| Temperature, Field          | Deg C | 83 | 0.1 | 25   | 12.3  | 7.1      | 0 |   |      |   |    |  |  |  |  |  |  |  |  |
| Total Dissolved Solids, Lab | mg/L  | 10 | 180 | 1640 | 666.6 | 415.4142 | 0 |   |      |   |    |  |  |  |  |  |  |  |  |
| Zinc, Total Recoverable     | ug/L  | 0  |     |      |       |          | 2 | < | 0.05 | < | 10 |  |  |  |  |  |  |  |  |

< - denotes value is below detectable limit:

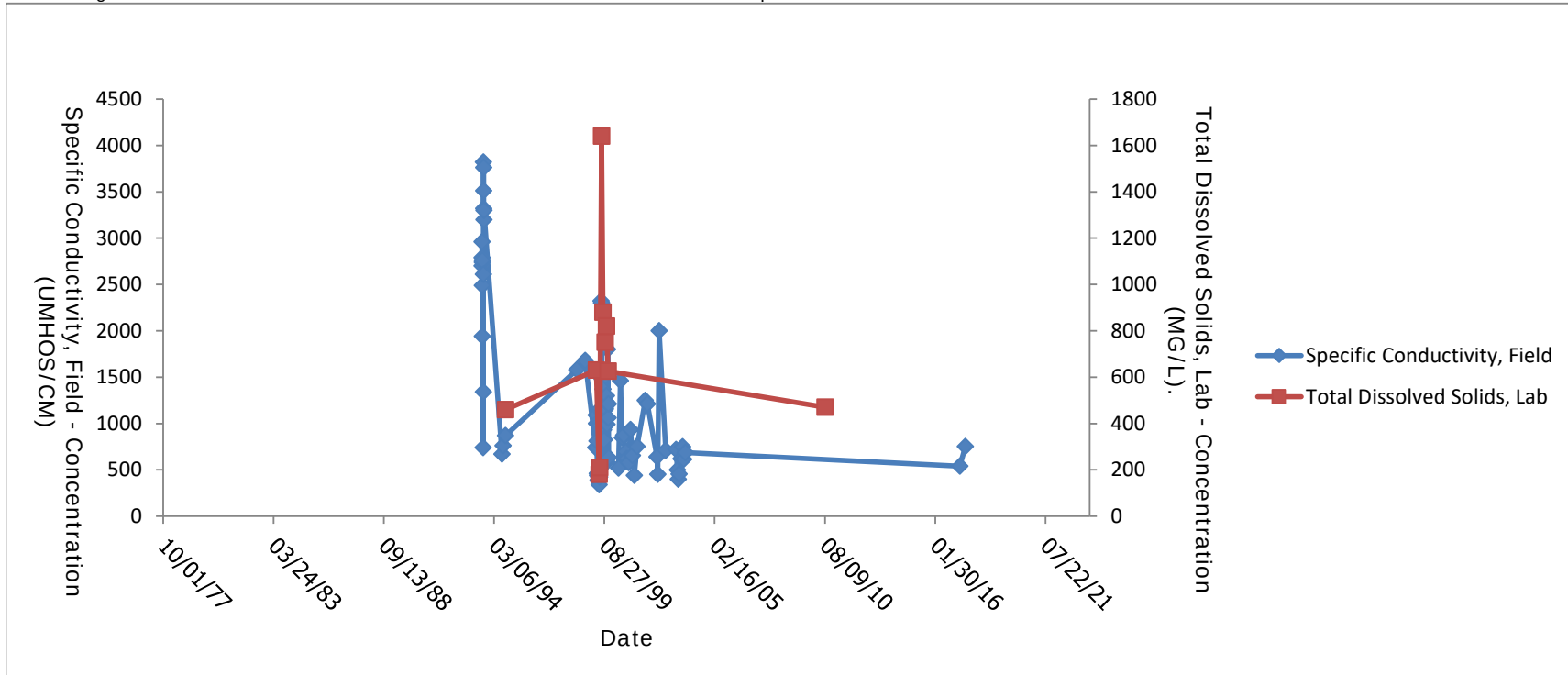
> - denotes value is above detectable limit:

< - denotes value is below detectable limits

> - denotes value is above detectable limits

### FOIDEL CREEK MINE - 307

|                         |                       |              |       |        |      |          |    |
|-------------------------|-----------------------|--------------|-------|--------|------|----------|----|
| Sample Point:           | 307                   | Township:    | 005N  | Range: | 086W | Section: | 13 |
| Mine:                   | FOIDEL CREEK MINE     | Northing:    | 42878 |        |      |          |    |
| State:                  | CO                    | Easting:     | 10599 |        |      |          |    |
| Drainage/Geologic Unit: |                       | Elevation:   | 6750  |        |      |          |    |
| Date Range:             | 10/1/1977 - 9/30/2023 | Total Depth: | 0     |        |      |          |    |



## Ground and Surface Water Quality Statistics Report

**Sample Point** 69  
**Mine:** FOIDEL CREEK MINE  
**State:** CO  
**Drainage/Geologic Unit:**  
**Date Range** 10/01/1978 to 9/30/2023

**Township** 005N  
**Northing** 61160  
**Easting** 43577  
**Elevation** 6586  
**Range:** 085W  
**Section** 06NWNWNW

|                                  |              | Uncensored Data |            |            |             |                 | Censored Data |   |            |   |            |
|----------------------------------|--------------|-----------------|------------|------------|-------------|-----------------|---------------|---|------------|---|------------|
| <u>Parm Description</u>          | <u>Units</u> | <u>Count</u>    | <u>Min</u> | <u>Max</u> | <u>Mean</u> | <u>Std.Dev.</u> | <u>Count</u>  |   | <u>Min</u> |   | <u>Max</u> |
| Acidity                          | mg/L         | 1               | 4          | 4          | 4           |                 | 2             | < | 4          | < | 4          |
| Alkalinity as CaCO3, @ pH 4.5    | mg/L         | 138             | 72         | 378        | 150.0971    | 42.12163        | 0             |   |            |   |            |
| Alkalinity, Bicarbonate as CaCO3 | mg/L         | 278             | 14.64      | 363.56     | 166.03      | 46.01           | 0             |   |            |   |            |
| Alkalinity, Carbonate as CaCO3   | mg/L         | 131             | 0          | 86.4       | 13.9        | 13.5            | 42            | < | 1          | < | 20         |
| Alkalinity, Hydroxide as CaCO3   | mg/L         | 0               |            |            |             |                 | 30            | < | 2          | < | 10         |
| Aluminum, Dissolved              | ug/L         | 0               |            |            |             |                 | 1             | < | 300        | < | 300        |
| Aluminum, Total                  | ug/L         | 4               | 300        | 21800      | 6575        | 10268.84        | 5             | < | 200        | < | 400        |
| Ammonia Nitrogen                 | mg/L         | 27              | 0.001      | 0.17       | 0.048       | 0.052           | 117           | < | 0.001      | < | 3          |
| Ammonium                         | mg/L         | 23              | 0.02       | 1.2        | 0.15        | 0.24            | 30            | < | 0.01       | < | 0.2        |
| Arsenic, Total                   | ug/L         | 1               | 7          | 7          | 7           |                 | 9             | < | 1          | < | 5          |
| Barium, Total                    | ug/L         | 0               |            |            |             |                 | 3             | < | 200        | < | 300        |
| Bicarbonate as HCO3              | mg/L         | 31              | 88.6       | 362        | 192.9       | 52.6            | 0             |   |            |   |            |
| BOD                              | mg/L         | 30              | 2          | 6          | 2.7         | 1.055364        | 41            | < | 2          | < | 2          |
| Boron, Total                     | ug/L         | 4               | 10         | 300        | 150         | 124.0967        | 3             | < | 100        | < | 100        |
| Cadmium, Total                   | ug/L         | 2               | 20         | 21         | 20.5        | 0.7071068       | 8             | < | 5          | < | 20         |
| Cadmium, Total Recoverable       | ug/L         | 12              | 8E-05      | 0.6        | 0.1         | 0.2             | 135           | < | 0.00005    | < | 5          |
| Calcium, Dissolved               | mg/L         | 283             | 15         | 1100       | 70.1954     | 67.29336        | 0             |   |            |   |            |
| Calcium, Total Recoverable       | mg/L         | 3               | 41         | 69         | 54.66667    | 14.0119         | 0             |   |            |   |            |
| Carbon, Dissolved Organic        | mg/L         | 69              | 1.1        | 9.8        | 4.4         | 1.5             | 1             | < | 5          | < | 5          |
| Carbon, Total Organic            | mg/L         | 65              | 2          | 20.1       | 5.3         | 2.5             | 5             | < | 50         | < | 50         |
| Carbonate as CO3                 | mg/L         | 23              | 2.5        | 48.4       | 13.2        | 10.5            | 5             | < | 2          | < | 10         |
| Chloride                         | mg/L         | 97              | 1          | 12         | 3.865979    | 2.271329        | 32            | < | 1          | < | 3          |
| Copper, Total                    | ug/L         | 3               | 1          | 50         | 23.66667    | 24.70493        | 7             | < | 20         | < | 80         |
| Flow                             | cfs          | 239             | 0.6        | 333        | 58.6        | 71.0            | 0             |   |            |   |            |
| Fluoride                         | mg/L         | 3               | 0.09       | 0.1        | 0.10        | 0.01            | 3             | < | 0.5        | < | 0.5        |
| Hardness, Calcium                | mg/L         | 182             | 14.4       | 853        | 318.1       | 151.1           | 1             | < | 2          | < | 2          |
| Hydroxide as OH                  | mg/L         | 1               | 0          | 0          | 0           |                 | 101           | < | 2          | < | 20         |
| Iron, Total                      | ug/L         | 176             | 10         | 47400      | 2971.063    | 5940.367        | 1             | < | 20         | < | 20         |
| Iron, Total Recoverable          | ug/L         | 147             | 0.15       | 6900       | 351.36      | 808.01          | 0             |   |            |   |            |
| Lead, Total                      | ug/L         | 4               | 20         | 200        | 90          | 77.45966        | 6             | < | 20         | < | 200        |

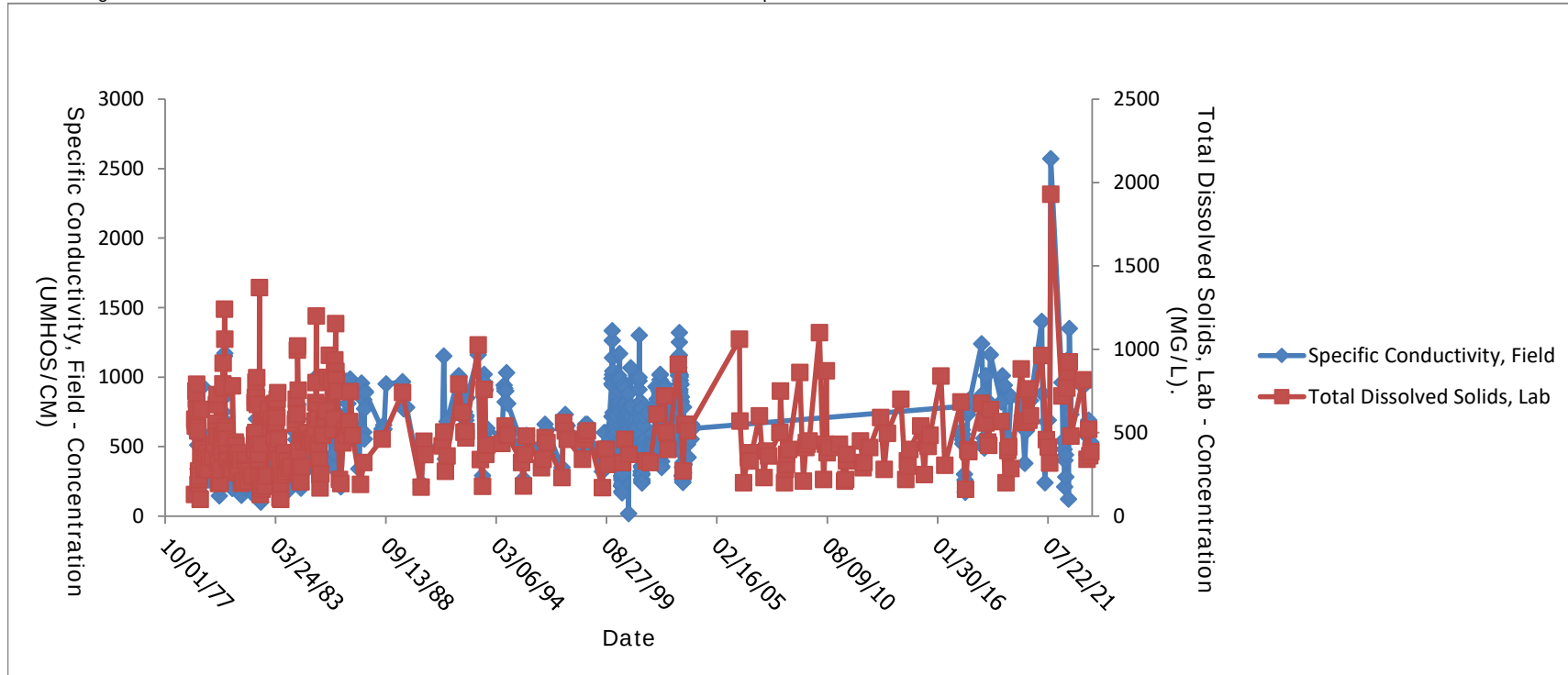
|                               |          |     |        |      |          |          |       |           |  |       |  |
|-------------------------------|----------|-----|--------|------|----------|----------|-------|-----------|--|-------|--|
| Magnesium, Dissolved          | mg/L     | 283 | 10     | 99   | 36.42721 | 16.83796 | 0     |           |  |       |  |
| Magnesium, Total Recoverable  | mg/L     | 3   | 22     | 36   | 30       | 7.211102 | 0     |           |  |       |  |
| Manganese, Total              | ug/L     | 168 | 10     | 8700 | 243.625  | 719.0186 | 7 <   | 10 <      |  | 20    |  |
| Manganese, Total Recoverable  | ug/L     | 145 | 0.008  | 460  | 29.779   | 57.256   | 2 <   | 0.01 <    |  | 61    |  |
| Mercury, Total                | ug/L     | 1   | 2      | 2    | 2        |          | 91 <  | 0.0002 <  |  | 5     |  |
| Mercury, Total Recoverable    | ug/L     | 2   | 0.2    | 0.5  | 0.4      | 0.2      | 64 <  | 0.0002 <  |  | 0.2   |  |
| Molybdenum, Total             | ug/L     | 0   |        |      |          |          | 10 <  | 0.2 <     |  | 300   |  |
| Molybdenum, Total Recoverable | ug/L     | 3   | 0.01   | 0.01 | 0.01     | 0        | 144 < | 0.02 <    |  | 50    |  |
| Nitrate Nitrogen              | mg/L     | 32  | 0.02   | 0.42 | 0.09     | 0.11     | 33 <  | 0.02 <    |  | 0.02  |  |
| Nitrite Nitrogen              | mg/L     | 2   | 0.04   | 0.06 | 0.05     | 0.01     | 39 <  | 0.01 <    |  | 0.02  |  |
| Nitrogen, TKN                 | mg/L     | 71  | 0.1    | 1.5  | 0.5      | 0.3      | 0     |           |  |       |  |
| NO3-NO2 Nitrogen              | mg/L     | 191 | 0.02   | 3.94 | 0.60     | 0.78     | 90 <  | 0.005 <   |  | 0.1   |  |
| pH Temperature                | Deg C    | 105 | 16.6   | 26   | 21.3     | 1.5      | 0     |           |  |       |  |
| pH, Field                     | S.U.     | 742 | 6.3    | 9.01 | 8.11     | 0.49     | 0     |           |  |       |  |
| pH, Lab                       | S.U.     | 136 | 7.2    | 9.2  | 8.4      | 0.3      | 0     |           |  |       |  |
| Phosphorus, Dissolved         | mg/L     | 6   | 0.01   | 0.07 | 0.03     | 0.02     | 0     |           |  |       |  |
| Phosphorus, Orthophosphorus   | mg/L     | 107 | 0.006  | 0.35 | 0.028    | 0.036    | 44 <  | 0.005 <   |  | 0.05  |  |
| Phosphorus, Phosphate         | mg/L     | 1   | 0.04   | 0.04 | 0.04     |          | 3 <   | 0.03 <    |  | 0.03  |  |
| Phosphorus, Total             | mg/L     | 71  | 0.01   | 0.29 | 0.08     | 0.07     | 0     |           |  |       |  |
| Potassium, Dissolved          | mg/L     | 70  | 0.9    | 5.7  | 2.2      | 1.0      | 0     |           |  |       |  |
| Selenium, Total               | ug/L     | 1   | 3      | 3    | 3        |          | 9 <   | 1 <       |  | 5     |  |
| Selenium, Total Recoverable   | ug/L     | 69  | 0.0001 | 5    | 0.2611   | 0.9648   | 78 <  | 0.0001 <  |  | 10    |  |
| Silver, Total                 | ug/L     | 1   | 0.3    | 0.3  | 0.3      |          | 3 <   | 30 <      |  | 40    |  |
| Silver, Total Recoverable     | ug/L     | 2   | 0.1    | 0.9  | 0.5      | 0.6      | 145 < | 0.00005 < |  | 50    |  |
| Sodium Adsorption Ratio       | RATIO    | 273 | 0.115  | 10   | 0.599    | 0.790    | 1 <   | 0.039 <   |  | 0.039 |  |
| Sodium, Dissolved             | mg/L     | 282 | 3      | 467  | 25.52195 | 35.58192 | 1 <   | 1 <       |  | 1     |  |
| Sodium, Total Recoverable     | mg/L     | 3   | 9      | 22   | 14.66667 | 6.658328 | 0     |           |  |       |  |
| Solids, Settleable            | mL/L     | 0   |        |      |          |          | 2 <   | 0.1 <     |  | 0.2   |  |
| Solids, Total Suspended       | mg/L     | 355 | 1      | 1640 | 83.28321 | 164.9227 | 53 <  | 2 <       |  | 20    |  |
| Specific Conductivity, Field  | UMHOS/CM | 785 | 17     | 2570 | 602.9124 | 245.0237 | 0     |           |  |       |  |
| Specific Conductivity, Lab    | UMHOS/CM | 221 | 226    | 2600 | 672.5113 | 273.8513 | 0     |           |  |       |  |
| Sulfates                      | mg/L     | 372 | 7      | 1010 | 223.1132 | 134.5505 | 0     |           |  |       |  |
| Temperature, Field            | Deg C    | 697 | 0      | 29.9 | 11.5     | 6.9      | 0     |           |  |       |  |
| Total Dissolved Solids, Lab   | mg/L     | 341 | 100    | 1930 | 476.0264 | 232.9809 | 0     |           |  |       |  |
| Zinc, Total                   | ug/L     | 7   | 0.241  | 60   | 21.463   | 19.259   | 3 <   | 5 <       |  | 10    |  |
| Zinc, Total Recoverable       | ug/L     | 45  | 0.01   | 566  | 27.91    | 83.36    | 102 < | 0.01 <    |  | 10    |  |

&lt; - denotes value is below detectable limits

&gt; - denotes value is above detectable limits

# FOIDEL CREEK MINE - 69

|                         |                       |              |       |        |      |          |          |
|-------------------------|-----------------------|--------------|-------|--------|------|----------|----------|
| Sample Point:           | 69                    | Township:    | 005N  | Range: | 085W | Section: | 06NWNWNW |
| Mine:                   | FOIDEL CREEK MINE     | Northing:    | 61160 |        |      |          |          |
| State:                  | CO                    | Easting:     | 43577 |        |      |          |          |
| Drainage/Geologic Unit: |                       | Elevation:   | 6586  |        |      |          |          |
| Date Range:             | 10/1/1977 - 9/30/2023 | Total Depth: | 0     |        |      |          |          |



## Ground and Surface Water Quality Statistics Report

**Sample Point** 8 **Township** 005N **Range:** 086W **Section** 29NENESE  
**Mine:** FOIDEL CREEK MINE **Northing** 37239  
**State:** CO **Easting** 21719  
**Drainage/Geologic Unit:** **Elevation** 6790  
**Date Range** 10/01/1978 to 9/30/2023

| <u>Parm Description</u>                      | <u>Units</u> | <u>Uncensored Data</u> |            |            |             |                 | <u>Censored Data</u> |            |            |
|----------------------------------------------|--------------|------------------------|------------|------------|-------------|-----------------|----------------------|------------|------------|
|                                              |              | <u>Count</u>           | <u>Min</u> | <u>Max</u> | <u>Mean</u> | <u>Std.Dev.</u> | <u>Count</u>         | <u>Min</u> | <u>Max</u> |
| Acidity                                      | mg/L         | 1                      | 31         | 31         | 31          |                 | 2 <                  | 4 <        | 4          |
| Alkalinity as CaCO <sub>3</sub> , @ pH 4.5   | mg/L         | 141                    | 128        | 815        | 313.1277    | 115.0258        | 0                    |            |            |
| Alkalinity, Bicarbonate as CaCO <sub>3</sub> | mg/L         | 301                    | 115.9      | 900        | 338.2       | 115.0           | 0                    |            |            |
| Alkalinity, Carbonate as CaCO <sub>3</sub>   | mg/L         | 95                     | 0          | 99.4       | 20.4        | 17.9            | 71 <                 | 1 <        | 20         |
| Alkalinity, Hydroxide as CaCO <sub>3</sub>   | mg/L         | 0                      |            |            |             |                 | 23 <                 | 2 <        | 10         |
| Aluminum, Total                              | ug/L         | 45                     | 70         | 26000      | 2144.222    | 5051.428        | 5 <                  | 50 <       | 400        |
| Aluminum, Total Recoverable                  | ug/L         | 3                      | 70         | 990        | 393.3333    | 517.3329        | 0                    |            |            |
| Ammonia Nitrogen                             | mg/L         | 46                     | 0          | 44         | 1.018239    | 6.478858        | 109 <                | 0.001 <    | 0.5        |
| Ammonium                                     | mg/L         | 51                     | 0.02       | 0.7        | 0.12        | 0.10            | 14 <                 | 0.01 <     | 0.2        |
| Arsenic, Total                               | ug/L         | 13                     | 1          | 13         | 2.307692    | 3.275785        | 39 <                 | 0.002 <    | 5          |
| Arsenic, Total Recoverable                   | ug/L         | 1                      | 1          | 1          | 1           |                 | 2 <                  | 1 <        | 1          |
| Barium, Total                                | ug/L         | 0                      |            |            |             |                 | 3 <                  | 200 <      | 300        |
| Barium, Total Recoverable                    | ug/L         | 2                      | 30         | 40         | 35          | 7.071068        | 1 <                  | 10 <       | 10         |
| Bicarbonate as HCO <sub>3</sub>              | mg/L         | 24                     | 260        | 883        | 446.75      | 188.7294        | 0                    |            |            |
| Boron, Dissolved                             | ug/L         | 3                      | 150        | 200        | 183.3333    | 28.86751        | 0                    |            |            |
| Boron, Total                                 | ug/L         | 5                      | 120        | 700        | 274         | 240.5826        | 1 <                  | 100 <      | 100        |
| Cadmium, Dissolved                           | ug/L         | 0                      |            |            |             |                 | 1 <                  | 0.1 <      | 0.1        |
| Cadmium, Potentially Dissolvable             | mg/L         | 0                      |            |            |             |                 | 1 <                  | 0.0005 <   | 0.0005     |
| Cadmium, Total                               | ug/L         | 2                      | 7          | 28         | 17.5        | 14.84924        | 49 <                 | 5 <        | 20         |
| Cadmium, Total Recoverable                   | ug/L         | 19                     | 5.7E-05    | 4.2        | 0.52110     | 0.99417         | 139 <                | 0.00005 <  | 5          |
| Calcium, Dissolved                           | mg/L         | 303                    | 65         | 770        | 244.3442    | 98.64062        | 0                    |            |            |
| Calcium, Total Recoverable                   | mg/L         | 7                      | 200        | 320        | 284.7143    | 42.7579         | 0                    |            |            |
| Carbonate as CO <sub>3</sub>                 | mg/L         | 19                     | 2.6        | 59.6       | 22.1        | 16.8            | 4 <                  | 2 <        | 2          |
| Chloride                                     | mg/L         | 115                    | 3          | 54         | 17.25217    | 11.00864        | 0                    |            |            |
| Chromium, Total Recoverable                  | ug/L         | 0                      |            |            |             |                 | 3 <                  | 10 <       | 10         |
| Copper, Potentially Dissolvable              | mg/L         | 1                      | 0.0049     | 0.0049     | 0.0049      |                 | 0                    |            |            |
| Copper, Total                                | ug/L         | 8                      | 2          | 60         | 22.75       | 18.75976        | 44 <                 | 10 <       | 30         |
| Copper, Total Recoverable                    | ug/L         | 0                      |            |            |             |                 | 3 <                  | 10 <       | 10         |
| Flow                                         | cfs          | 243                    | 0          | 52         | 3.754163    | 5.879025        | 0                    |            |            |
| Fluoride                                     | mg/L         | 7                      | 0          | 0.3        | 0.2         | 0.1             | 3 <                  | 0.5 <      | 0.5        |

|                                    |       |     |        |        |          |           |     |   |        |          |
|------------------------------------|-------|-----|--------|--------|----------|-----------|-----|---|--------|----------|
| Hardness, Calcium                  | mg/L  | 201 | 6.4    | 2574   | 1210.3   | 554.5     | 0   |   |        |          |
| Hydroxide as OH                    | mg/L  | 0   |        |        |          |           | 100 | < | 2      | < 20     |
| Iron, Dissolved                    | ug/L  | 1   | 300    | 300    | 300      |           | 0   |   |        |          |
| Iron, Total                        | ug/L  | 192 | 1.5    | 28000  | 1462.4   | 2443.1    | 9   | < | 10     | < 20     |
| Iron, Total Recoverable            | ug/L  | 158 | 0.08   | 11000  | 306.49   | 941.45    | 2   | < | 0.1    | < 20     |
| Lead, Dissolved                    | ug/L  | 1   | 20     | 20     | 20       |           | 0   |   |        |          |
| Lead, Potentially Dissolvable      | mg/L  | 1   | 0.0008 | 0.0008 | 0.0008   |           | 0   |   |        |          |
| Lead, Total                        | ug/L  | 22  | 20     | 450    | 49.54546 | 92.09091  | 29  | < | 20     | < 200    |
| Lead, Total Recoverable            | ug/L  | 0   |        |        |          |           | 3   | < | 20     | < 20     |
| Magnesium, Dissolved               | mg/L  | 303 | 38     | 458    | 187.1449 | 96.72785  | 0   |   |        |          |
| Magnesium, Total Recoverable       | mg/L  | 7   | 110    | 239    | 203.5714 | 47.14112  | 0   |   |        |          |
| Manganese, Dissolved               | ug/L  | 29  | 10     | 590    | 202.7586 | 152.5941  | 3   | < | 10     | < 10     |
| Manganese, Potentially Dissolvable | mg/L  | 1   | 1.22   | 1.22   | 1.22     |           | 0   |   |        |          |
| Manganese, Total                   | ug/L  | 190 | 10     | 3280   | 393.3842 | 359.6166  | 9   | < | 10     | < 20     |
| Manganese, Total Recoverable       | ug/L  | 184 | 0.02   | 1600   | 148.51   | 226.16    | 2   | < | 0.005  | < 10     |
| Mercury, Dissolved                 | ug/L  | 0   |        |        |          |           | 1   | < | 0.1    | < 0.1    |
| Mercury, Total                     | ug/L  | 4   | 0.0002 | 3      | 1.1751   | 1.3865    | 128 | < | 0.0002 | < 5      |
| Mercury, Total Recoverable         | ug/L  | 1   | 0.2    | 0.2    | 0.2      |           | 78  | < | 0.0002 | < 4      |
| Molybdenum, Dissolved              | ug/L  | 0   |        |        |          |           | 1   | < | 50     | < 50     |
| Molybdenum, Total                  | ug/L  | 0   |        |        |          |           | 49  | < | 50     | < 300    |
| Molybdenum, Total Recoverable      | ug/L  | 9   | 0.02   | 20     | 5.58     | 8.80      | 149 | < | 0.02   | < 50     |
| Nickel, Potentially Dissolvable    | mg/L  | 1   | 0.0177 | 0.0177 | 0.0177   |           | 0   |   |        |          |
| Nickel, Total Recoverable          | ug/L  | 0   |        |        |          |           | 3   | < | 20     | < 20     |
| Nitrate Nitrogen                   | mg/L  | 70  | 0.02   | 1.8    | 0.49     | 0.51      | 16  | < | 0.02   | < 0.02   |
| Nitrite Nitrogen                   | mg/L  | 11  | 0.01   | 1.5    | 0.29     | 0.60      | 37  | < | 0.01   | < 0.2    |
| NO3-NO2 Nitrogen                   | mg/L  | 254 | 0.02   | 18.7   | 2.24     | 2.92      | 46  | < | 0.005  | < 0.1    |
| pH Temperature                     | Deg C | 111 | 18.3   | 25     | 21.1     | 1.4       | 0   |   |        |          |
| pH, Field                          | S.U.  | 492 | 6.1    | 8.74   | 7.86     | 0.44      | 0   |   |        |          |
| pH, Lab                            | S.U.  | 146 | 7.3    | 8.7    | 8.3      | 0.2       | 0   |   |        |          |
| Phenol                             | mg/L  | 0   |        |        |          |           | 1   | < | 0.02   | < 0.02   |
| Phosphorus, Dissolved              | mg/L  | 4   | 0.01   | 0.05   | 0.02     | 0.02      | 0   |   |        |          |
| Phosphorus, Orthophosphorus        | mg/L  | 123 | 0.003  | 30     | 0.641    | 3.876     | 84  | < | 0.005  | < 0.1    |
| Phosphorus, Phosphate              | mg/L  | 3   | 0.02   | 0.03   | 0.02     | 0.01      | 4   | < | 0.01   | < 0.03   |
| Phosphorus, Total                  | mg/L  | 1   | 0.02   | 0.02   | 0.02     |           | 0   |   |        |          |
| Potassium, Dissolved               | mg/L  | 70  | 3.3    | 12     | 5.4      | 1.6       | 0   |   |        |          |
| Selenium, Dissolved                | ug/L  | 1   | 0.0003 | 0.0003 | 0.0003   |           | 1   | < | 1      | < 1      |
| Selenium, Potentially Dissolvable  | mg/L  | 1   | 0.0004 | 0.0004 | 0.0004   |           | 0   |   |        |          |
| Selenium, Total                    | ug/L  | 17  | 1      | 3      | 1.588235 | 0.6183469 | 34  | < | 0.1    | < 5      |
| Selenium, Total Recoverable        | ug/L  | 104 | 0.0002 | 19     | 0.9962   | 2.8083    | 55  | < | 0.0005 | < 20     |
| Silver, Potentially Dissolvable    | mg/L  | 0   |        |        |          |           | 1   | < | 0.0003 | < 0.0003 |



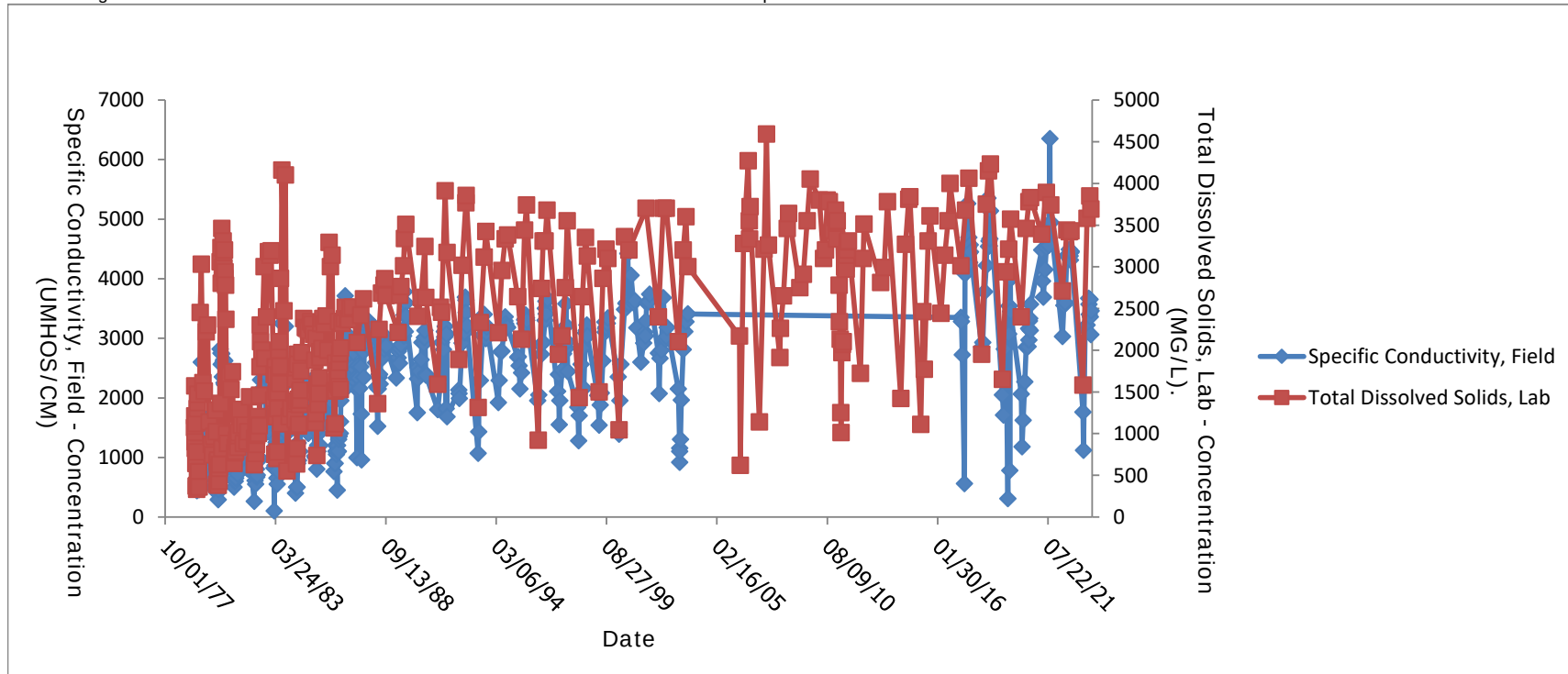
|                               |          |     |       |      |          |          |     |   |         |   |      |
|-------------------------------|----------|-----|-------|------|----------|----------|-----|---|---------|---|------|
| Silver, Total                 | ug/L     | 0   |       |      |          |          | 4   | < | 0.1     | < | 40   |
| Silver, Total Recoverable     | ug/L     | 12  | 0.2   | 17   | 2.5      | 4.9      | 146 | < | 0.00005 | < | 5    |
| Sodium Adsorption Ratio       | RATIO    | 298 | 0.13  | 19   | 1.94     | 2.47     | 0   |   |         |   |      |
| Sodium, Dissolved             | mg/L     | 304 | 30    | 952  | 150.8839 | 161.5396 | 0   |   |         |   |      |
| Sodium, Total Recoverable     | mg/L     | 7   | 51    | 193  | 134.8571 | 50.10798 | 0   |   |         |   |      |
| Solids, Settleable            | mL/L     | 0   |       |      |          |          | 3   | < | 0.1     | < | 0.5  |
| Solids, Total Suspended       | mg/L     | 353 | 2     | 1352 | 62.91501 | 120.8432 | 17  | < | 2       | < | 20   |
| Specific Conductivity, Field  | UMHOS/CM | 480 | 100   | 6350 | 2333.262 | 1143.94  | 0   |   |         |   |      |
| Specific Conductivity, Lab    | UMHOS/CM | 187 | 434   | 8400 | 3102.289 | 929.4862 | 0   |   |         |   |      |
| Sulfates                      | mg/L     | 307 | 20    | 2690 | 1374.068 | 652.6768 | 0   |   |         |   |      |
| Sulfide                       | mg/L     | 2   | 0.02  | 0.03 | 0.03     | 0.01     | 1   | < | 0.01    | < | 0.01 |
| Temperature, Field            | Deg C    | 493 | 0     | 29.3 | 12.7     | 6.8      | 0   |   |         |   |      |
| Total Dissolved Solids, Lab   | mg/L     | 364 | 330   | 4590 | 2198.39  | 1042.152 | 0   |   |         |   |      |
| Zinc, Potentially Dissolvable | mg/L     | 0   |       |      |          |          | 1   | < | 0.05    | < | 0.05 |
| Zinc, Total                   | ug/L     | 44  | 6     | 5300 | 267.8409 | 1078.451 | 10  | < | 5       | < | 10   |
| Zinc, Total Recoverable       | ug/L     | 50  | 0.007 | 340  | 30.395   | 63.449   | 108 | < | 0.01    | < | 50   |

< - denotes value is below detectable limits

> - denotes value is above detectable limits

# FOIDEL CREEK MINE - 8

|                         |                       |              |       |        |      |          |          |
|-------------------------|-----------------------|--------------|-------|--------|------|----------|----------|
| Sample Point:           | 8                     | Township:    | 005N  | Range: | 086W | Section: | 29NENESE |
| Mine:                   | FOIDEL CREEK MINE     | Northing:    | 37239 |        |      |          |          |
| State:                  | CO                    | Easting:     | 21719 |        |      |          |          |
| Drainage/Geologic Unit: |                       | Elevation:   | 6790  |        |      |          |          |
| Date Range:             | 10/1/1977 - 9/30/2023 | Total Depth: | 0     |        |      |          |          |



## Ground and Surface Water Quality Statistics Report

**Sample Point** 800  
**Mine:** FOIDEL CREEK MINE  
**State:** CO  
**Drainage/Geologic Unit:**  
**Date Range** 10/01/1978 to 9/30/2023

**Township** 005N  
**Northing** 31282  
**Easting** 12253  
**Elevation** 6940

**Range:** 086W **Section** 31NWSW

| <u>Parm Description</u>                      | <u>Units</u> | <u>Uncensored Data</u> |            |            |             |                 | <u>Censored Data</u> |            |            |  |
|----------------------------------------------|--------------|------------------------|------------|------------|-------------|-----------------|----------------------|------------|------------|--|
|                                              |              | <u>Count</u>           | <u>Min</u> | <u>Max</u> | <u>Mean</u> | <u>Std.Dev.</u> | <u>Count</u>         | <u>Min</u> | <u>Max</u> |  |
| Alkalinity as CaCO <sub>3</sub> , @ pH 4.5   | mg/L         | 159                    | 108        | 476        | 269.8742    | 81.77638        | 0                    |            |            |  |
| Alkalinity, Bicarbonate as CaCO <sub>3</sub> | mg/L         | 129                    | 108        | 564        | 323.2078    | 102.6004        | 0                    |            |            |  |
| Alkalinity, Carbonate as CaCO <sub>3</sub>   | mg/L         | 20                     | 0          | 31         | 7.975       | 8.234004        | 86                   | < 1        | < 20       |  |
| Alkalinity, Hydroxide as CaCO <sub>3</sub>   | mg/L         | 0                      |            |            |             |                 | 23                   | < 2        | < 10       |  |
| Aluminum, Dissolved                          | ug/L         | 8                      | 10         | 220        | 43.75       | 71.90023        | 4                    | < 1        | < 10       |  |
| Aluminum, Total Recoverable                  | ug/L         | 18                     | 70         | 9300       | 2286.111    | 3012.045        | 0                    |            |            |  |
| Ammonia Nitrogen                             | mg/L         | 44                     | 0.001      | 0.46       | 0.094       | 0.116           | 93                   | < 0.001    | < 0.5      |  |
| Ammonium                                     | mg/L         | 39                     | 0.031      | 0.285      | 0.127       | 0.061           | 18                   | < 0.01     | < 0.05     |  |
| Arsenic, Dissolved                           | ug/L         | 7                      | 1          | 1          | 1           | 0               | 1                    | < 1        | < 1        |  |
| Arsenic, Total                               | ug/L         | 14                     | 1          | 5          | 2.214286    | 1.476929        | 0                    |            |            |  |
| Bicarbonate as HCO <sub>3</sub>              | mg/L         | 24                     | 132        | 580        | 303.6667    | 133.4814        | 0                    |            |            |  |
| Boron, Dissolved                             | ug/L         | 39                     | 20         | 630        | 90.51282    | 93.891          | 0                    |            |            |  |
| Boron, Total                                 | ug/L         | 11                     | 50         | 130        | 83.63636    | 26.56039        | 0                    |            |            |  |
| Cadmium, Dissolved                           | ug/L         | 1                      | 2          | 2          | 2           |                 | 8                    | < 0.1      | < 3        |  |
| Cadmium, Total Recoverable                   | ug/L         | 17                     | 0.0001     | 3          | 0.7765      | 0.8685          | 125                  | < 0.00005  | < 5        |  |
| Calcium, Dissolved                           | mg/L         | 178                    | 25         | 730        | 276.1022    | 112.6556        | 0                    |            |            |  |
| Calcium, Total Recoverable                   | mg/L         | 1                      | 322        | 322        | 322         |                 | 0                    |            |            |  |
| Carbonate as CO <sub>3</sub>                 | mg/L         | 2                      | 7.5        | 281        | 144.3       | 193.4           | 20                   | < 2        | < 20       |  |
| Chloride                                     | mg/L         | 56                     | 1.1        | 56         | 12.3        | 9.9             | 0                    |            |            |  |
| Copper, Dissolved                            | ug/L         | 8                      | 1          | 8          | 3.75        | 2.12132         | 0                    |            |            |  |
| Copper, Total Recoverable                    | ug/L         | 14                     | 2          | 24         | 8.428572    | 6.060138        | 0                    |            |            |  |
| Flow                                         | cfs          | 192                    | 0.01       | 56         | 2.91        | 6.40            | 0                    |            |            |  |
| Fluoride                                     | mg/L         | 50                     | 0.1        | 0.4        | 0.2         | 0.1             | 2                    | < 0.1      | < 0.1      |  |
| Hardness                                     | mg/L         | 3                      | 560        | 1300       | 1020        | 401.4972        | 0                    |            |            |  |
| Hardness, Calcium                            | mg/L         | 100                    | 100        | 2632       | 1205.74     | 663.1165        | 3                    | < 2        | < 2        |  |
| Hydroxide as OH                              | mg/L         | 0                      |            |            |             |                 | 80                   | < 2        | < 20       |  |
| Iron, Dissolved                              | ug/L         | 47                     | 10         | 460        | 51.25532    | 69.43326        | 2                    | < 9        | < 10       |  |
| Iron, Total Recoverable                      | ug/L         | 177                    | 0.03       | 33000      | 1042.12     | 3398.50         | 4                    | < 0.1      | < 100      |  |
| Lead, Dissolved                              | ug/L         | 10                     | 1          | 40         | 7.1         | 11.9485         | 3                    | < 1        | < 1        |  |
| Lead, Total Recoverable                      | ug/L         | 16                     | 1          | 29         | 8.3125      | 9.357484        | 2                    | < 1        | < 1        |  |

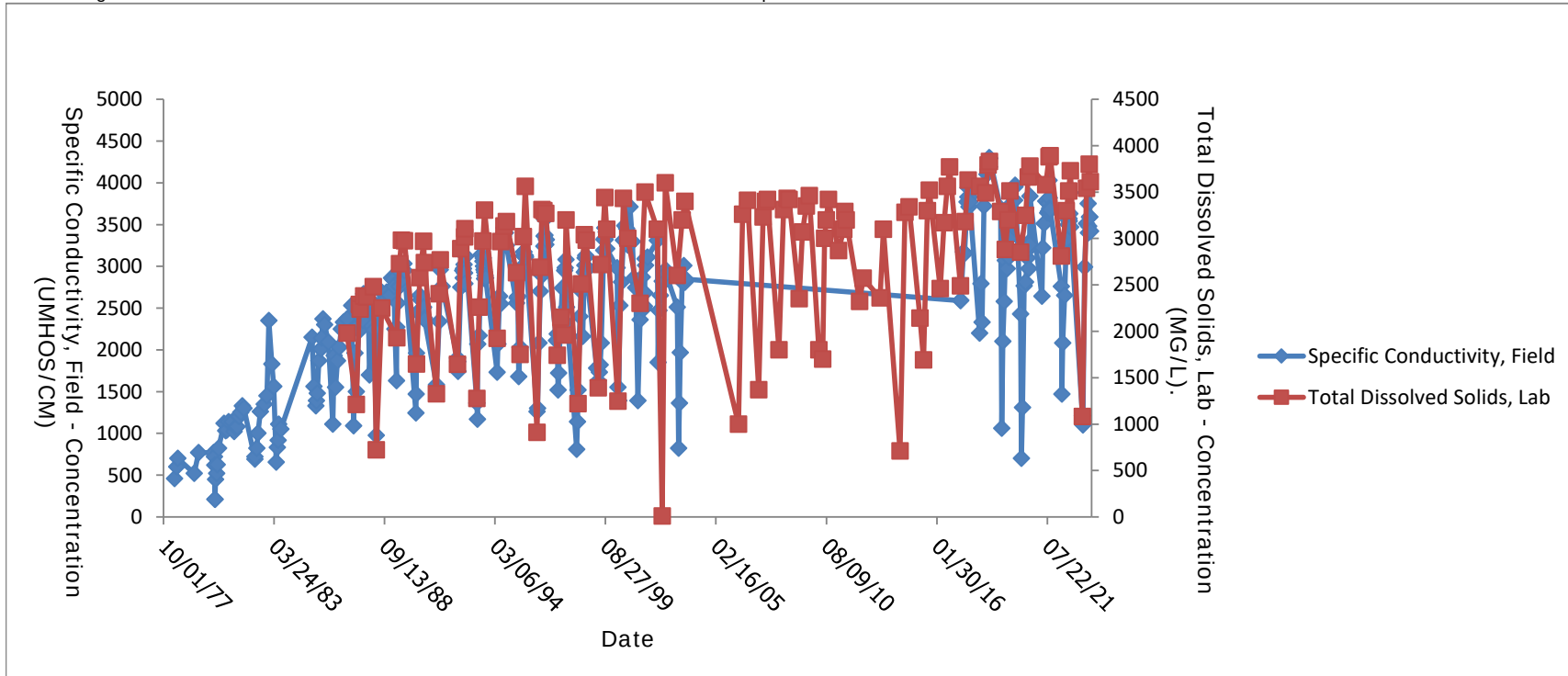
|                               |          |     |        |      |          |           |     |   |         |   |       |
|-------------------------------|----------|-----|--------|------|----------|-----------|-----|---|---------|---|-------|
| Magnesium, Dissolved          | mg/L     | 179 | 10     | 502  | 220.5782 | 124.4446  | 0   |   |         |   |       |
| Magnesium, Total Recoverable  | mg/L     | 1   | 237    | 237  | 237      |           | 0   |   |         |   |       |
| Manganese, Dissolved          | ug/L     | 33  | 10     | 1500 | 293.6364 | 308.1124  | 0   |   |         |   |       |
| Manganese, Total Recoverable  | ug/L     | 163 | 0.02   | 1500 | 174.04   | 225.57    | 2   | < | 10      | < | 30    |
| Mercury, Dissolved            | ug/L     | 1   | 0.1    | 0.1  | 0.1      |           | 8   | < | 0.1     | < | 0.1   |
| Mercury, Total                | mg/L     | 0   |        |      |          |           | 59  | < | 0.0002  | < | 0.001 |
| Mercury, Total Recoverable    | ug/L     | 13  | 0.1    | 0.2  | 0.1      | 0.0       | 69  | < | 0.0002  | < | 1     |
| Molybdenum, Dissolved         | ug/L     | 2   | 2      | 2    | 2        | 0         | 7   | < | 1       | < | 50    |
| Molybdenum, Total Recoverable | ug/L     | 20  | 0.01   | 76   | 8.05     | 18.28     | 121 | < | 0.02    | < | 50    |
| Nitrate Nitrogen              | mg/L     | 38  | 0.02   | 1.91 | 0.22     | 0.35      | 24  | < | 0.02    | < | 0.02  |
| Nitrite Nitrogen              | mg/L     | 12  | 0.01   | 0.1  | 0.03     | 0.03      | 43  | < | 0.01    | < | 0.02  |
| NO3-NO2 Nitrogen              | mg/L     | 100 | 0.02   | 66   | 2.13     | 7.98      | 74  | < | 0.01    | < | 0.1   |
| pH Temperature                | Deg C    | 68  | 17.2   | 25   | 21.3     | 1.5       | 0   |   |         |   |       |
| pH, Field                     | S.U.     | 320 | 6.8    | 9.2  | 7.9      | 0.4       | 0   |   |         |   |       |
| pH, Lab                       | S.U.     | 99  | 7.68   | 8.7  | 8.14     | 0.19      | 0   |   |         |   |       |
| Phosphorus, Dissolved         | mg/L     | 4   | 0.01   | 0.03 | 0.02     | 0.01      | 1   | < | 0.05    | < | 0.05  |
| Phosphorus, Orthophosphorus   | mg/L     | 92  | 0.006  | 0.21 | 0.031    | 0.038     | 76  | < | 0.005   | < | 0.05  |
| Phosphorus, Phosphate         | mg/L     | 1   | 0.03   | 0.03 | 0.03     |           | 3   | < | 0.03    | < | 0.03  |
| Potassium, Dissolved          | mg/L     | 56  | 2.1    | 8.8  | 4.6      | 1.3       | 0   |   |         |   |       |
| Selenium, Dissolved           | ug/L     | 4   | 1      | 2    | 1.75     | 0.5       | 5   | < | 1       | < | 1     |
| Selenium, Total               | ug/L     | 14  | 1      | 2    | 1.142857 | 0.3631365 | 8   | < | 1       | < | 1     |
| Selenium, Total Recoverable   | ug/L     | 52  | 0.0001 | 12   | 0.8465   | 2.5466    | 68  | < | 0.0001  | < | 20    |
| Silver, Total Recoverable     | ug/L     | 9   | 0.1    | 1    | 0.7      | 0.4       | 119 | < | 0.00005 | < | 5     |
| Sodium Adsorption Ratio       | RATIO    | 182 | 0.057  | 3200 | 18.176   | 237.156   | 0   |   |         |   |       |
| Sodium, Dissolved             | mg/L     | 178 | 6.1    | 160  | 50.2     | 19.6      | 0   |   |         |   |       |
| Sodium, Total Recoverable     | mg/L     | 1   | 44     | 44   | 44       |           | 0   |   |         |   |       |
| Solids, Settleable            | mL/L     | 0   |        |      |          |           | 1   | < | 0.2     | < | 0.2   |
| Solids, Total Suspended       | mg/L     | 150 | 2      | 2400 | 96.37334 | 267.938   | 29  | < | 2       | < | 20    |
| Specific Conductivity, Field  | UMHOS/CM | 324 | 210    | 4300 | 2521.12  | 919.3074  | 0   |   |         |   |       |
| Specific Conductivity, Lab    | UMHOS/CM | 162 | 660    | 4400 | 2558.216 | 896.8798  | 0   |   |         |   |       |
| Sulfates                      | mg/L     | 178 | 66     | 2700 | 1408.641 | 753.5948  | 0   |   |         |   |       |
| Temperature, Field            | Deg C    | 317 | 0      | 27.8 | 13.7     | 6.6       | 0   |   |         |   |       |
| Total Dissolved Solids, Lab   | mg/L     | 129 | 8      | 3890 | 2768.76  | 812.328   | 0   |   |         |   |       |
| Zinc, Dissolved               | ug/L     | 10  | 3      | 100  | 18.5     | 29.39482  | 2   | < | 12      | < | 12    |
| Zinc, Total Recoverable       | ug/L     | 54  | 0.01   | 240  | 29.23    | 36.09     | 90  | < | 0.01    | < | 50    |

&lt; - denotes value is below detectable limits

&gt; - denotes value is above detectable limits

# FOIDEL CREEK MINE - 800

|                         |                       |              |       |        |      |          |        |
|-------------------------|-----------------------|--------------|-------|--------|------|----------|--------|
| Sample Point:           | 800                   | Township:    | 005N  | Range: | 086W | Section: | 31NWSW |
| Mine:                   | FOIDEL CREEK MINE     | Northing:    | 31282 |        |      |          |        |
| State:                  | CO                    | Easting:     | 12253 |        |      |          |        |
| Drainage/Geologic Unit: |                       | Elevation:   | 6940  |        |      |          |        |
| Date Range:             | 10/1/1977 - 9/30/2023 | Total Depth: | 0     |        |      |          |        |



## Ground and Surface Water Quality Statistics Report

**Sample Point** 87  
**Mine:** FOIDEL CREEK MINE  
**State:** CO  
**Drainage/Geologic Unit:**  
**Date Range** 10/01/1978 to 9/30/2023

**Township** 005N  
**Northing** 35098  
**Easting** 20538  
**Elevation** 6830

**Range:** 086W **Section** 29 SSE

| <u>Parm Description</u>                      | <u>Units</u> | <u>Uncensored Data</u> |            |            |             |                 | <u>Censored Data</u> |            |            |
|----------------------------------------------|--------------|------------------------|------------|------------|-------------|-----------------|----------------------|------------|------------|
|                                              |              | <u>Count</u>           | <u>Min</u> | <u>Max</u> | <u>Mean</u> | <u>Std.Dev.</u> | <u>Count</u>         | <u>Min</u> | <u>Max</u> |
| Alkalinity as CaCO <sub>3</sub> , @ pH 4.5   | mg/L         | 2                      | 55         | 91         | 73          | 25.45584        | 0                    |            |            |
| Alkalinity, Bicarbonate as CaCO <sub>3</sub> | mg/L         | 2                      | 67         | 111        | 89          | 31.1127         | 0                    |            |            |
| Alkalinity, Carbonate as CaCO <sub>3</sub>   | mg/L         | 0                      |            |            |             |                 | 2                    | < 20       | < 20       |
| Ammonia Nitrogen                             | mg/L         | 0                      |            |            |             |                 | 2                    | < 0.5      | < 0.5      |
| Arsenic, Total                               | mg/L         | 22                     | 0.0004     | 0.0018     | 0.0008      | 0.0003          | 4                    | < 0.0002   | < 0.002    |
| Arsenic, Total Recoverable                   | ug/L         | 0                      |            |            |             |                 | 1                    | < 1        | < 1        |
| Boron, Dissolved                             | ug/L         | 1                      | 290        | 290        | 290         |                 | 0                    |            |            |
| Cadmium, Dissolved                           | ug/L         | 0                      |            |            |             |                 | 1                    | < 5        | < 5        |
| Cadmium, Potentially Dissolvable             | ug/L         | 1                      | 0.0002     | 0.0002     | 0.0002      |                 | 21                   | < 0.0005   | < 5        |
| Cadmium, Total                               | ug/L         | 0                      |            |            |             |                 | 1                    | < 5        | < 5        |
| Cadmium, Total Recoverable                   | ug/L         | 0                      |            |            |             |                 | 3                    | < 0.0005   | < 5        |
| Calcium, Dissolved                           | mg/L         | 209                    | 19         | 671        | 378.2301    | 135.9504        | 0                    |            |            |
| Chromium, Potentially Dissolvable            | mg/L         | 0                      |            |            |             |                 | 27                   | < 0.0005   | < 0.02     |
| Chromium-6, Dissolved                        | mg/L         | 0                      |            |            |             |                 | 22                   | < 0.005    | < 0.02     |
| Copper, Dissolved                            | ug/L         | 0                      |            |            |             |                 | 1                    | < 1        | < 1        |
| Copper, Potentially Dissolvable              | ug/L         | 47                     | 0.0006     | 41         | 3.2559      | 6.6050          | 69                   | < 0.01     | < 5        |
| Copper, Total                                | ug/L         | 2                      | 6          | 35         | 20.5        | 20.5061         | 0                    |            |            |
| Copper, Total Recoverable                    | ug/L         | 98                     | 1          | 60         | 5.030612    | 8.832291        | 96                   | < 1        | < 10       |
| Flow                                         | cfs          | 475                    | 0          | 3.62       | 0.31        | 0.58            | 0                    |            |            |
| Hardness, Calcium                            | mg/L         | 207                    | 148        | 3640       | 2226.536    | 777.555         | 0                    |            |            |
| Hydroxide as OH                              | mg/L         | 0                      |            |            |             |                 | 2                    | < 20       | < 20       |
| Iron, Dissolved                              | ug/L         | 1                      | 30         | 30         | 30          |                 | 0                    |            |            |
| Iron, Total                                  | ug/L         | 200                    | 0.04       | 120000     | 1478.03     | 9050.89         | 7                    | < 0.06     | < 80       |
| Iron, Total Recoverable                      | ug/L         | 316                    | 0.04       | 7270       | 182.04      | 474.72          | 34                   | < 0.06     | < 50       |
| Lead, Dissolved                              | ug/L         | 0                      |            |            |             |                 | 1                    | < 20       | < 20       |
| Lead, Potentially Dissolvable                | mg/L         | 10                     | 0.0001     | 0.0006     | 0.0003      | 0.0002          | 16                   | < 0.0001   | < 0.0005   |
| Lead, Total                                  | ug/L         | 1                      | 20         | 20         | 20          |                 | 0                    |            |            |
| Lead, Total Recoverable                      | ug/L         | 0                      |            |            |             |                 | 1                    | < 20       | < 20       |
| Magnesium, Dissolved                         | mg/L         | 208                    | 9          | 550        | 312.5476    | 114.4086        | 0                    |            |            |
| Manganese, Dissolved                         | ug/L         | 72                     | 10         | 1820       | 628.0555    | 497.7234        | 6                    | < 10       | < 10       |

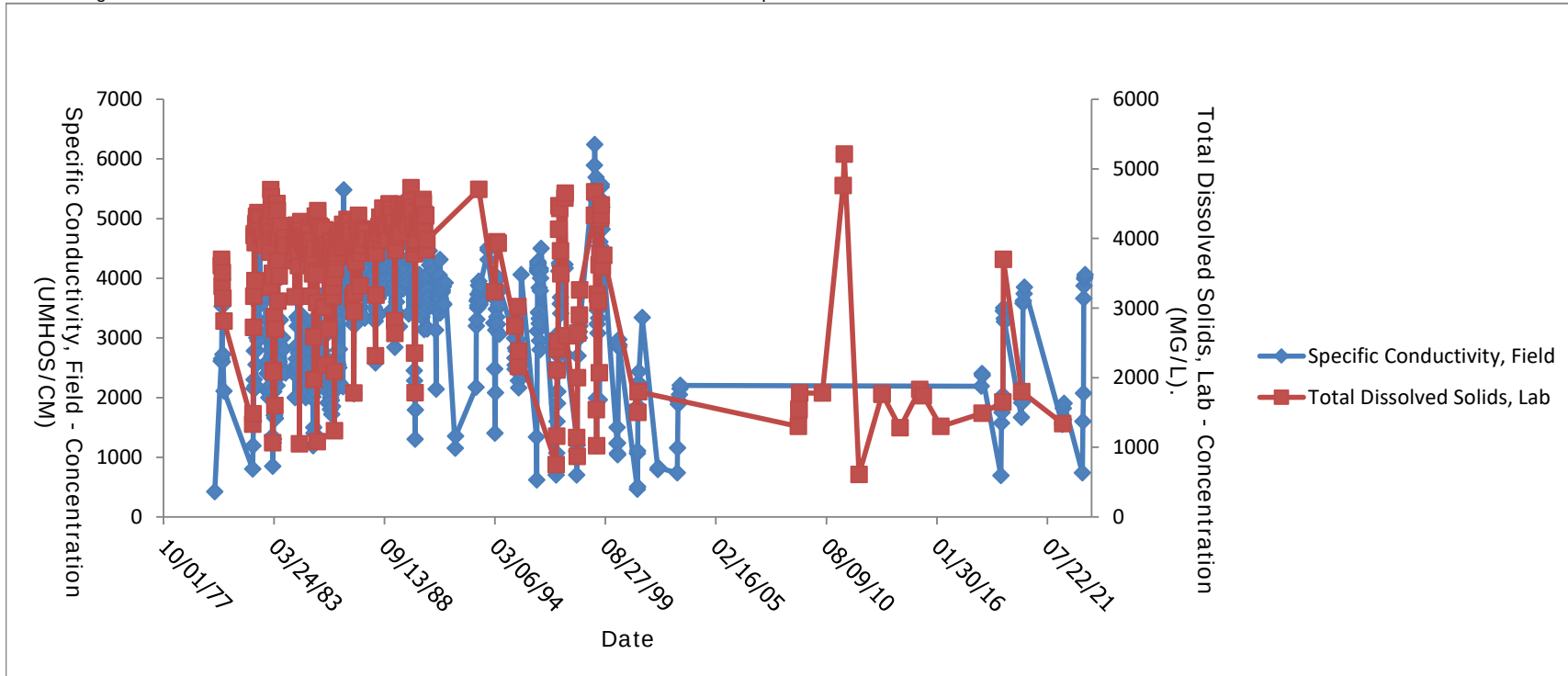
|                                    |          |     |         |        |          |          |     |   |        |   |      |
|------------------------------------|----------|-----|---------|--------|----------|----------|-----|---|--------|---|------|
| Manganese, Potentially Dissolvable | ug/L     | 11  | 0.035   | 150    | 51.305   | 60.589   | 1   | < | 5      | < | 5    |
| Manganese, Total                   | ug/L     | 181 | 50      | 2220   | 985.5635 | 620.5958 | 2   | < | 20     | < | 100  |
| Manganese, Total Recoverable       | ug/L     | 310 | 0.06    | 7500   | 622.45   | 963.01   | 10  | < | 10     | < | 30   |
| Mercury, Dissolved                 | ug/L     | 0   |         |        |          |          | 1   | < | 0.2    | < | 0.2  |
| Mercury, Total                     | ug/L     | 2   | 0.5     | 1.2    | 0.9      | 0.5      | 14  | < | 0.0002 | < | 0.2  |
| Mercury, Total Recoverable         | ug/L     | 0   |         |        |          |          | 1   | < | 0.2    | < | 0.2  |
| Molybdenum, Total Recoverable      | mg/L     | 0   |         |        |          |          | 2   | < | 0.05   | < | 0.1  |
| Nickel, Potentially Dissolvable    | mg/L     | 3   | 0.00287 | 0.008  | 0.00489  | 0.00273  | 23  | < | 0.008  | < | 0.05 |
| NO3-NO2 Nitrogen                   | mg/L     | 0   |         |        |          |          | 2   | < | 0.1    | < | 0.1  |
| Oil & Grease                       | mg/L     | 0   |         |        |          |          | 1   | < | 1      | < | 1    |
| pH Temperature                     | Deg C    | 60  | 17      | 25     | 21.28    | 1.678155 | 0   |   |        |   |      |
| pH, Field                          | S.U.     | 638 | 5.9     | 9.8    | 7.7      | 0.5      | 0   |   |        |   |      |
| pH, Lab                            | S.U.     | 107 | 7.3     | 8.6    | 8.1      | 0.3      | 0   |   |        |   |      |
| Phenol                             | mg/L     | 0   |         |        |          |          | 1   | < | 0.02   | < | 0.02 |
| Phosphorus, Orthophosphorus        | mg/L     | 1   | 0.02    | 0.02   | 0.02     |          | 1   | < | 0.05   | < | 0.05 |
| Selenium, Potentially Dissolvable  | mg/L     | 26  | 0.0003  | 0.0203 | 0.0036   | 0.0053   | 0   |   |        |   |      |
| Selenium, Total Recoverable        | ug/L     | 2   | 0.0004  | 0.0052 | 0.0028   | 0.0034   | 1   | < | 2      | < | 2    |
| Silver, Dissolved                  | ug/L     | 0   |         |        |          |          | 1   | < | 0.1    | < | 0.1  |
| Silver, Potentially Dissolvable    | ug/L     | 8   | 0.5     | 1.2    | 0.9      | 0.3      | 80  | < | 0.0003 | < | 30   |
| Silver, Total                      | ug/L     | 0   |         |        |          |          | 1   | < | 0.1    | < | 0.1  |
| Silver, Total Recoverable          | ug/L     | 6   | 0.0001  | 0.8    | 0.2000   | 0.2966   | 10  | < | 0.0003 | < | 0.5  |
| Sodium Adsorption Ratio            | RATIO    | 2   | 0.89    | 1.09   | 0.99     | 0.14     | 0   |   |        |   |      |
| Sodium, Dissolved                  | mg/L     | 2   | 40.2    | 138    | 89.1     | 69.2     | 0   |   |        |   |      |
| Solids, Settleable                 | mL/L     | 17  | 0.1     | 2      | 0.4      | 0.5      | 453 | < | 0.1    | < | 0.6  |
| Solids, Total Suspended            | mg/L     | 424 | 2       | 3200   | 30.62264 | 165.2202 | 135 | < | 2      | < | 20   |
| Specific Conductivity, Field       | UMHOS/CM | 639 | 420     | 6240   | 3223.058 | 1020.078 | 0   |   |        |   |      |
| Specific Conductivity, Lab         | UMHOS/CM | 211 | 568     | 5980   | 3250.839 | 1200.314 | 0   |   |        |   |      |
| Sulfates                           | mg/L     | 2   | 300     | 3080   | 1690     | 1965.757 | 0   |   |        |   |      |
| Temperature, Field                 | Deg C    | 640 | 1       | 26     | 11.37531 | 6.295234 | 0   |   |        |   |      |
| Total Dissolved Solids, Lab        | mg/L     | 396 | 610     | 5210   | 3684.126 | 865.7974 | 0   |   |        |   |      |
| Zinc, Dissolved                    | ug/L     | 1   | 20      | 20     | 20       |          | 0   |   |        |   |      |
| Zinc, Potentially Dissolvable      | mg/L     | 5   | 0.01    | 0.15   | 0.07     | 0.06     | 21  | < | 0.01   | < | 0.05 |
| Zinc, Total                        | ug/L     | 2   | 15      | 20     | 17.5     | 3.535534 | 0   |   |        |   |      |
| Zinc, Total Recoverable            | ug/L     | 135 | 0.01    | 210    | 24.81    | 27.15    | 60  | < | 0.1    | < | 10   |

&lt; - denotes value is below detectable limits

&gt; - denotes value is above detectable limits

# FOIDEL CREEK MINE - 87

|                         |                       |              |       |        |      |          |        |
|-------------------------|-----------------------|--------------|-------|--------|------|----------|--------|
| Sample Point:           | 87                    | Township:    | 005N  | Range: | 086W | Section: | 29 SSE |
| Mine:                   | FOIDEL CREEK MINE     | Northing:    | 35098 |        |      |          |        |
| State:                  | CO                    | Easting:     | 20538 |        |      |          |        |
| Drainage/Geologic Unit: |                       | Elevation:   | 6830  |        |      |          |        |
| Date Range:             | 10/1/1977 - 9/30/2023 | Total Depth: | 0     |        |      |          |        |





## Ground and Surface Water Quality Statistics Report

**Sample Point** 900  
**Mine:** FOIDEL CREEK MINE  
**State:** CO  
**Drainage/Geologic Unit:**  
**Date Range** 10/01/1978 to 9/30/2023

**Township** 005N  
**Northing** 47937  
**Easting** 38237  
**Elevation** 6730  
**Range:** 086W **Section** 14SENE

| <u>Parm Description</u>                      | <u>Units</u> | <u>Uncensored Data</u> |            |            |             |                 | <u>Censored Data</u> |            |            |
|----------------------------------------------|--------------|------------------------|------------|------------|-------------|-----------------|----------------------|------------|------------|
|                                              |              | <u>Count</u>           | <u>Min</u> | <u>Max</u> | <u>Mean</u> | <u>Std.Dev.</u> | <u>Count</u>         | <u>Min</u> | <u>Max</u> |
| Alkalinity as CaCO <sub>3</sub> , @ pH 4.5   | mg/L         | 157                    | 74         | 752        | 295.0764    | 104.9887        | 0                    |            |            |
| Alkalinity, Bicarbonate as CaCO <sub>3</sub> | mg/L         | 140                    | 106        | 790        | 354.6614    | 101.8744        | 0                    |            |            |
| Alkalinity, Carbonate as CaCO <sub>3</sub>   | mg/L         | 75                     | 0          | 116        | 20.912      | 20.69229        | 37                   | < 1        | < 20       |
| Alkalinity, Hydroxide as CaCO <sub>3</sub>   | mg/L         | 0                      |            |            |             |                 | 24                   | < 2        | < 10       |
| Ammonia Nitrogen                             | mg/L         | 69                     | 0.001      | 0.77       | 0.121       | 0.144           | 80                   | < 0.001    | < 0.5      |
| Ammonium                                     | mg/L         | 40                     | 0.02       | 1.2        | 0.15        | 0.19            | 16                   | < 0.01     | < 0.05     |
| Bicarbonate as HCO <sub>3</sub>              | mg/L         | 25                     | 268        | 808        | 447.84      | 169.7009        | 0                    |            |            |
| Boron, Dissolved                             | ug/L         | 7                      | 80         | 160        | 128.5714    | 29.68084        | 0                    |            |            |
| Boron, Total                                 | ug/L         | 19                     | 60         | 210        | 108.9474    | 41.48557        | 0                    |            |            |
| Cadmium, Dissolved                           | ug/L         | 1                      | 1          | 1          | 1           |                 | 2                    | < 0.1      | < 1        |
| Cadmium, Total                               | ug/L         | 0                      |            |            |             |                 | 3                    | < 1        | < 2        |
| Cadmium, Total Recoverable                   | ug/L         | 14                     | 6E-05      | 1          | 0.2286825   | 0.3560317       | 118                  | < 0.00005  | < 5        |
| Calcium, Dissolved                           | mg/L         | 186                    | 45         | 430        | 197.429     | 86.31337        | 0                    |            |            |
| Calcium, Total Recoverable                   | mg/L         | 1                      | 290        | 290        | 290         |                 | 0                    |            |            |
| Carbonate as CO <sub>3</sub>                 | mg/L         | 22                     | 5.6        | 69.3       | 24.6        | 16.7            | 2                    | < 2        | < 2        |
| Chloride                                     | mg/L         | 58                     | 5.4        | 31         | 15.1        | 7.1             | 0                    |            |            |
| Copper, Total Recoverable                    | ug/L         | 17                     | 2          | 31         | 12.82353    | 8.255569        | 0                    |            |            |
| Flow                                         | cfs          | 210                    | 0          | 82         | 6.43482     | 11.91881        | 0                    |            |            |
| Fluoride                                     | mg/L         | 26                     | 0.2        | 0.3        | 0.2         | 0.0             | 1                    | < 0.1      | < 0.1      |
| Hardness                                     | mg/L         | 3                      | 570        | 1900       | 1140        | 685.0547        | 0                    |            |            |
| Hardness, Calcium                            | mg/L         | 105                    | 10.1       | 2170       | 1129.9      | 500.1           | 0                    |            |            |
| Hydroxide as OH                              | mg/L         | 0                      |            |            |             |                 | 87                   | < 2        | < 20       |
| Iron, Dissolved                              | ug/L         | 40                     | 10         | 2100       | 110.725     | 337.0381        | 3                    | < 10       | < 10       |
| Iron, Total                                  | mg/L         | 1                      | 0.69       | 0.69       | 0.69        |                 | 0                    |            |            |
| Iron, Total Recoverable                      | ug/L         | 183                    | 0.11       | 68000      | 1883.89     | 7000.06         | 2                    | < 0.06     | < 20       |
| Lead, Dissolved                              | ug/L         | 1                      | 60         | 60         | 60          |                 | 0                    |            |            |
| Magnesium, Dissolved                         | mg/L         | 187                    | 16         | 325        | 144.4406    | 73.64931        | 0                    |            |            |
| Magnesium, Total Recoverable                 | mg/L         | 1                      | 221        | 221        | 221         |                 | 0                    |            |            |
| Manganese, Dissolved                         | ug/L         | 9                      | 70         | 1900       | 527.7778    | 679.4626        | 0                    |            |            |
| Manganese, Total Recoverable                 | ug/L         | 166                    | 0.012      | 1800       | 261.469     | 361.779         | 0                    |            |            |

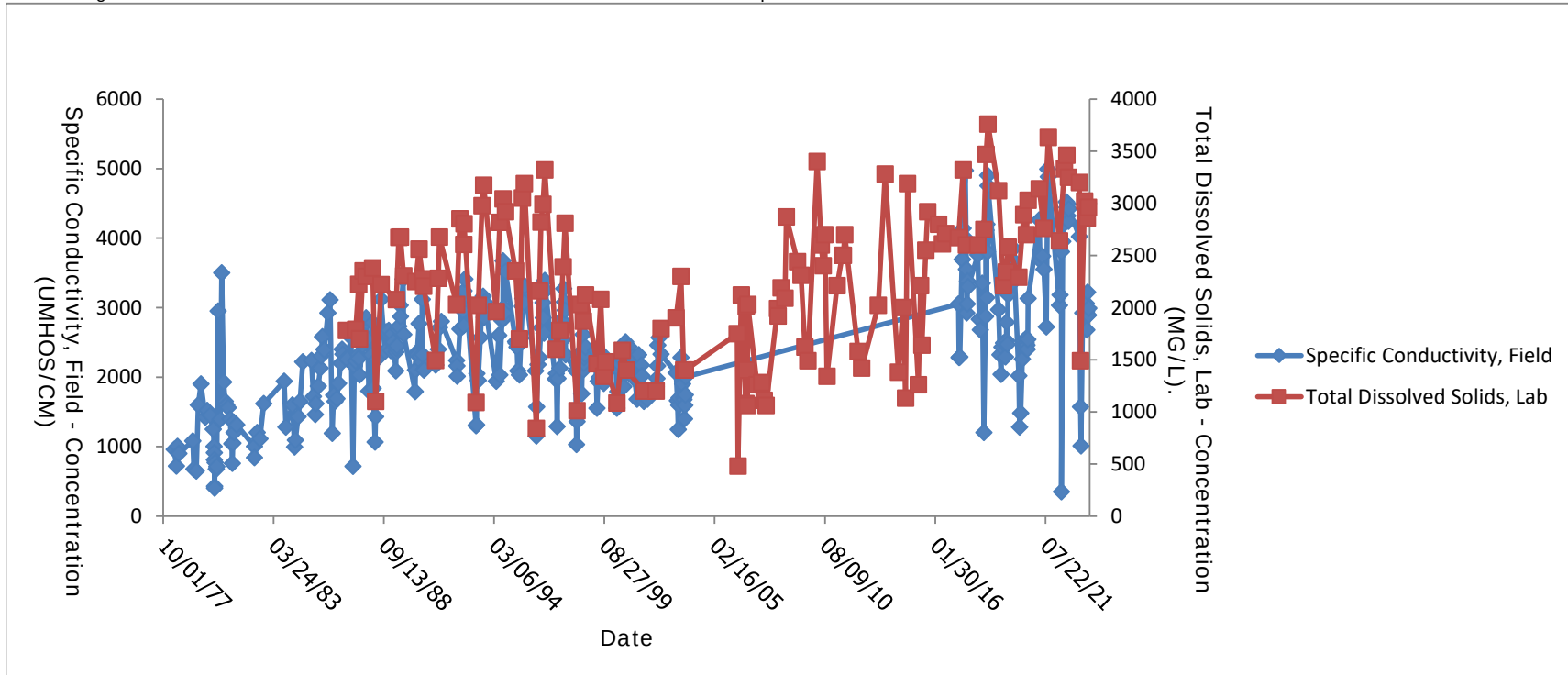
|                               |          |     |        |      |          |          |     |   |         |   |      |
|-------------------------------|----------|-----|--------|------|----------|----------|-----|---|---------|---|------|
| Mercury, Dissolved            | ug/L     | 0   |        |      |          |          | 3   | < | 0.1     | < | 0.1  |
| Mercury, Total                | ug/L     | 2   | 0.0002 | 0.2  | 0.1001   | 0.1413   | 68  | < | 0.0002  | < | 0.1  |
| Mercury, Total Recoverable    | ug/L     | 11  | 0.1    | 0.5  | 0.2      | 0.1      | 64  | < | 0.0002  | < | 0.2  |
| Molybdenum, Dissolved         | ug/L     | 0   |        |      |          |          | 1   | < | 50      | < | 50   |
| Molybdenum, Total Recoverable | ug/L     | 10  | 0.02   | 20   | 3.31     | 6.07     | 124 | < | 0.02    | < | 50   |
| Nitrate Nitrogen              | mg/L     | 46  | 0.02   | 28   | 0.86     | 4.11     | 15  | < | 0.02    | < | 0.02 |
| Nitrite Nitrogen              | mg/L     | 23  | 0.01   | 0.14 | 0.04     | 0.04     | 37  | < | 0.01    | < | 0.02 |
| NO3-NO2 Nitrogen              | mg/L     | 116 | 0.02   | 6.4  | 0.91     | 1.41     | 44  | < | 0.01    | < | 0.1  |
| pH Temperature                | Deg C    | 78  | 17.8   | 25   | 21.3     | 1.4      | 0   |   |         |   |      |
| pH, Field                     | S.U.     | 325 | 7      | 9.3  | 8.1      | 0.3      | 0   |   |         |   |      |
| pH, Lab                       | S.U.     | 108 | 7.95   | 8.8  | 8.37     | 0.20     | 0   |   |         |   |      |
| Phosphorus, Dissolved         | mg/L     | 4   | 0.03   | 0.18 | 0.07     | 0.07     | 0   |   |         |   |      |
| Phosphorus, Orthophosphorus   | mg/L     | 123 | 0.009  | 1    | 0.065    | 0.126    | 32  | < | 0.005   | < | 1    |
| Phosphorus, Phosphate         | mg/L     | 3   | 0.04   | 0.07 | 0.06     | 0.02     | 1   | < | 0.03    | < | 0.03 |
| Potassium, Dissolved          | mg/L     | 55  | 1.2    | 8.3  | 4.9      | 1.5      | 0   |   |         |   |      |
| Selenium, Dissolved           | ug/L     | 2   | 0.0003 | 1    | 0.5002   | 0.7069   | 2   | < | 1       | < | 1    |
| Selenium, Total               | ug/L     | 0   |        |      |          |          | 6   | < | 1       | < | 1    |
| Selenium, Total Recoverable   | ug/L     | 74  | 0.0001 | 11   | 0.5181   | 1.6100   | 53  | < | 0.0002  | < | 10   |
| Silver, Dissolved             | ug/L     | 0   |        |      |          |          | 2   | < | 1       | < | 1    |
| Silver, Total Recoverable     | ug/L     | 7   | 0.0009 | 11   | 2.1144   | 3.9750   | 125 | < | 0.00005 | < | 5    |
| Sodium Adsorption Ratio       | RATIO    | 214 | 0.211  | 18   | 2.474    | 2.925    | 0   |   |         |   |      |
| Sodium, Dissolved             | mg/L     | 162 | 18.6   | 922  | 190.6    | 175.1    | 0   |   |         |   |      |
| Sodium, Total Recoverable     | mg/L     | 1   | 131    | 131  | 131      |          | 0   |   |         |   |      |
| Solids, Settleable            | mL/L     | 0   |        |      |          |          | 1   | < | 0.2     | < | 0.2  |
| Solids, Total Suspended       | mg/L     | 149 | 2      | 1510 | 80.05369 | 184.2865 | 13  | < | 2       | < | 20   |
| Specific Conductivity, Field  | UMHOS/CM | 338 | 350    | 4990 | 2400.53  | 871.7568 | 0   |   |         |   |      |
| Specific Conductivity, Lab    | UMHOS/CM | 143 | 693    | 4770 | 2585.615 | 742.2907 | 0   |   |         |   |      |
| Sulfates                      | mg/L     | 189 | 100    | 2150 | 1156.439 | 518.0415 | 0   |   |         |   |      |
| Temperature, Field            | Deg C    | 294 | 0.2    | 26.8 | 14.3     | 6.7      | 0   |   |         |   |      |
| Total Dissolved Solids, Lab   | mg/L     | 136 | 480    | 3760 | 2234.838 | 703.1763 | 0   |   |         |   |      |
| Zinc, Dissolved               | ug/L     | 1   | 30     | 30   | 30       |          | 1   | < | 10      | < | 10   |
| Zinc, Total                   | ug/L     | 2   | 9      | 30   | 19.5     | 14.84924 | 6   | < | 3       | < | 20   |
| Zinc, Total Recoverable       | ug/L     | 45  | 0.01   | 410  | 25.40    | 60.24    | 87  | < | 0.01    | < | 30   |

&lt; - denotes value is below detectable limits

&gt; - denotes value is above detectable limits

# FOIDEL CREEK MINE - 900

|                         |                       |              |       |        |      |          |        |
|-------------------------|-----------------------|--------------|-------|--------|------|----------|--------|
| Sample Point:           | 900                   | Township:    | 005N  | Range: | 086W | Section: | 14SENE |
| Mine:                   | FOIDEL CREEK MINE     | Northing:    | 47937 |        |      |          |        |
| State:                  | CO                    | Easting:     | 38237 |        |      |          |        |
| Drainage/Geologic Unit: |                       | Elevation:   | 6730  |        |      |          |        |
| Date Range:             | 10/1/1977 - 9/30/2023 | Total Depth: | 0     |        |      |          |        |



## Ground and Surface Water Quality Statistics Report

**Sample Point** SW13  
**Mine:** FOIDEL CREEK MINE  
**State:** CO  
**Drainage/Geologic Unit:**  
**Date Range** 10/01/1978 to 9/30/2023

**Township** 004N  
**Northing** 45378  
**Easting** 19633  
**Elevation** 6686

**Range:** 086W **Section** 17

| <u>Parm Description</u>          | <u>Units</u> | <u>Uncensored Data</u> |            |            |             |                 | <u>Censored Data</u> |            |            |
|----------------------------------|--------------|------------------------|------------|------------|-------------|-----------------|----------------------|------------|------------|
|                                  |              | <u>Count</u>           | <u>Min</u> | <u>Max</u> | <u>Mean</u> | <u>Std.Dev.</u> | <u>Count</u>         | <u>Min</u> | <u>Max</u> |
| Alkalinity as CaCO3, @ pH 4.5    | mg/L         | 37                     | 103        | 382        | 237.8919    | 60.53364        | 0                    |            |            |
| Alkalinity, Bicarbonate as CaCO3 | mg/L         | 39                     | 123        | 400        | 251.641     | 55.55343        | 0                    |            |            |
| Alkalinity, Carbonate as CaCO3   | mg/L         | 34                     | 2          | 35.3       | 17.3        | 9.3             | 5                    | < 1        | < 20       |
| Alkalinity, Hydroxide as CaCO3   | mg/L         | 0                      |            |            |             |                 | 11                   | < 2        | < 10       |
| Ammonia Nitrogen                 | mg/L         | 5                      | 0.06       | 0.13       | 0.08        | 0.03            | 34                   | < 0.001    | < 0.5      |
| Bicarbonate as HCO3              | mg/L         | 11                     | 182        | 357        | 301.9091    | 44.43525        | 0                    |            |            |
| Cadmium, Total Recoverable       | mg/L         | 10                     | 5.9E-05    | 0.0005     | 0.00021     | 0.00015         | 29                   | < 0.00005  | < 2        |
| Calcium, Dissolved               | mg/L         | 39                     | 32.8       | 93         | 64.3        | 14.3            | 0                    |            |            |
| Carbonate as CO3                 | mg/L         | 10                     | 7.6        | 21.2       | 14.9        | 5.1             | 1                    | < 10       | < 10       |
| Flow                             | cfs          | 14                     | 0          | 71.92      | 8.63        | 18.93           | 0                    |            |            |
| Hydroxide as OH                  | mg/L         | 0                      |            |            |             |                 | 37                   | < 2        | < 20       |
| Iron, Total Recoverable          | mg/L         | 39                     | 0.12       | 1300       | 43.32       | 211.29          | 0                    |            |            |
| Magnesium, Dissolved             | mg/L         | 39                     | 15.3       | 150        | 41.9        | 21.4            | 0                    |            |            |
| Manganese, Total Recoverable     | mg/L         | 39                     | 0.011      | 46         | 1.711       | 7.824           | 0                    |            |            |
| Mercury, Total                   | mg/L         | 0                      |            |            |             |                 | 37                   | < 0.0002   | < 0.001    |
| Mercury, Total Recoverable       | ug/L         | 0                      |            |            |             |                 | 2                    | < 0.0002   | < 0.0002   |
| Molybdenum, Total Recoverable    | mg/L         | 1                      | 0.01       | 0.01       | 0.01        |                 | 38                   | < 0.02     | < 50       |
| Nitrate Nitrogen                 | mg/L         | 0                      |            |            |             |                 | 2                    | < 0.02     | < 0.02     |
| Nitrite Nitrogen                 | mg/L         | 0                      |            |            |             |                 | 2                    | < 0.02     | < 0.02     |
| NO3-NO2 Nitrogen                 | mg/L         | 15                     | 0.02       | 0.52       | 0.14        | 0.14            | 24                   | < 0.02     | < 0.1      |
| pH Temperature                   | Deg C        | 39                     | 18.9       | 23.3       | 21.3        | 1.4             | 0                    |            |            |
| pH, Field                        | S.U.         | 12                     | 8          | 8.68       | 8.27        | 0.21            | 0                    |            |            |
| pH, Lab                          | S.U.         | 41                     | 8.17       | 8.8        | 8.53        | 0.13            | 0                    |            |            |
| Phosphorus, Dissolved            | mg/L         | 4                      | 0.01       | 0.04       | 0.03        | 0.01            | 0                    |            |            |
| Phosphorus, Orthophosphorus      | mg/L         | 24                     | 0.01       | 0.16       | 0.04        | 0.04            | 11                   | < 0.01     | < 0.05     |
| Selenium, Total Recoverable      | ug/L         | 37                     | 0.0002     | 0.0014     | 0.0006      | 0.0003          | 2                    | < 2        | < 2        |
| Silver, Total Recoverable        | mg/L         | 3                      | 6E-05      | 0.00013    | 0.00009     | 0.00004         | 36                   | < 0.00005  | < 0.4      |
| Sodium Adsorption Ratio          | RATIO        | 39                     | 0.39       | 5.86       | 0.94        | 0.90            | 0                    |            |            |
| Sodium, Dissolved                | mg/L         | 39                     | 11.2       | 249        | 39.5        | 39.1            | 0                    |            |            |
| Solids, Total Suspended          | mg/L         | 36                     | 5          | 920        | 90.55556    | 174.9327        | 3                    | < 5        | < 20       |

|                              |          |    |      |      |          |          |    |   |      |   |   |
|------------------------------|----------|----|------|------|----------|----------|----|---|------|---|---|
| Specific Conductivity, Field | UMHOS/CM | 12 | 490  | 1340 | 827.5    | 226.48   | 0  |   |      |   |   |
| Specific Conductivity, Lab   | ums/cm   | 41 | 335  | 1560 | 745.5366 | 221.2869 | 0  |   |      |   |   |
| Sulfates                     | mg/L     | 38 | 50   | 460  | 170.6316 | 74.85641 | 1  | < | 5    | < | 5 |
| Temperature, Field           | Deg C    | 12 | 12.3 | 28   | 20.5     | 4.2      | 0  |   |      |   |   |
| Total Dissolved Solids, Lab  | mg/L     | 39 | 200  | 1100 | 492      | 159.5355 | 0  |   |      |   |   |
| Zinc, Total Recoverable      | mg/L     | 16 | 0.01 | 7    | 0.48     | 1.74     | 23 | < | 0.01 | < | 5 |

< - denotes value is below detectable limit:

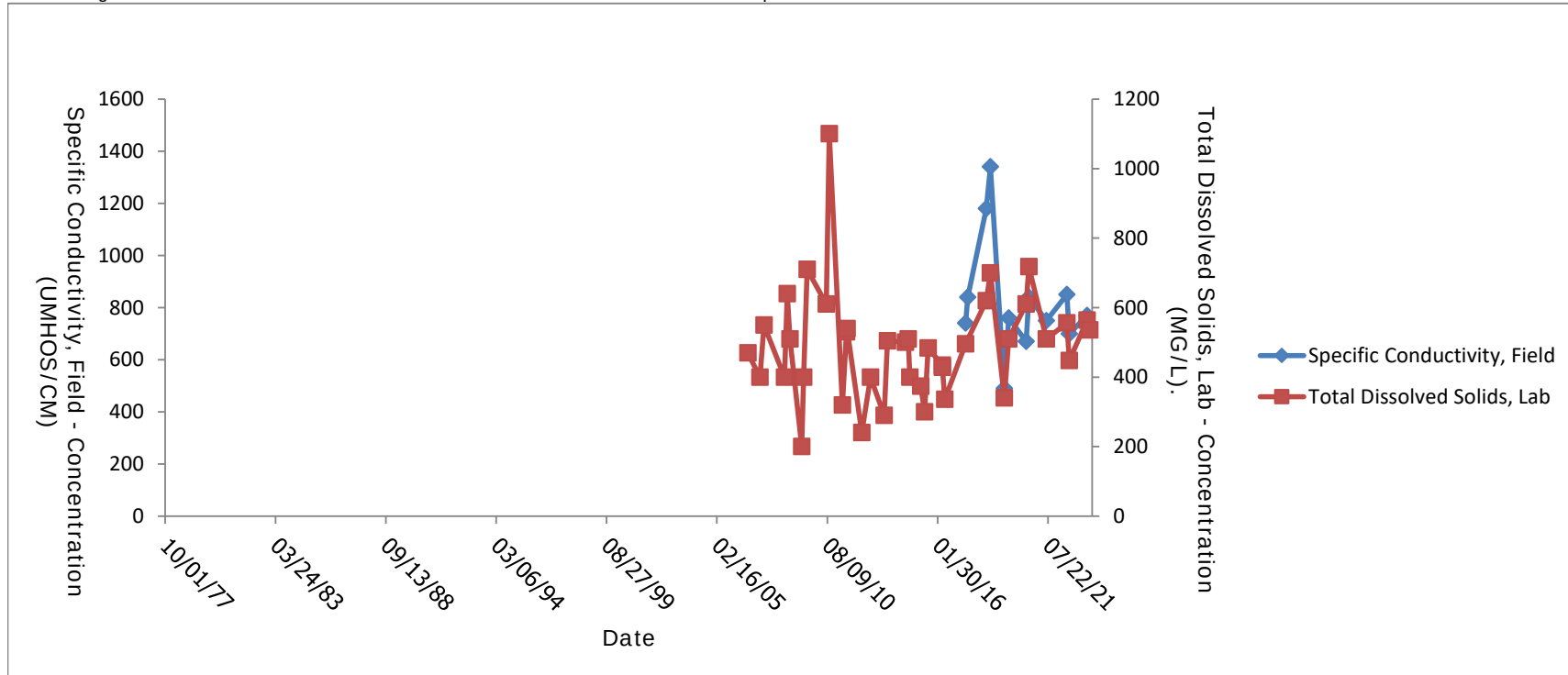
> - denotes value is above detectable limit:

< - denotes value is below detectable limits

> - denotes value is above detectable limits

### FOIDEL CREEK MINE - SW13

|                         |                       |              |       |        |      |          |    |
|-------------------------|-----------------------|--------------|-------|--------|------|----------|----|
| Sample Point:           | SW13                  | Township:    | 004N  | Range: | 086W | Section: | 17 |
| Mine:                   | FOIDEL CREEK MINE     | Northing:    | 45378 |        |      |          |    |
| State:                  | CO                    | Easting:     | 19633 |        |      |          |    |
| Drainage/Geologic Unit: |                       | Elevation:   | 6686  |        |      |          |    |
| Date Range:             | 10/1/1977 - 9/30/2023 | Total Depth: | 0     |        |      |          |    |



## Ground and Surface Water Quality Statistics Report

**Sample Point** SW14  
**Mine:** FOIDEL CREEK MINE  
**State:** CO  
**Drainage/Geologic Unit:**  
**Date Range** 10/01/1978 to 9/30/2023

**Township** 005N  
**Northing** 47360  
**Easting** 30701  
**Elevation** 6650

**Range:** 086W **Section** 15

|                                  |              | Uncensored Data |            |            |             |                 | Censored Data |   |            |   |            |
|----------------------------------|--------------|-----------------|------------|------------|-------------|-----------------|---------------|---|------------|---|------------|
| <u>Parm Description</u>          | <u>Units</u> | <u>Count</u>    | <u>Min</u> | <u>Max</u> | <u>Mean</u> | <u>Std.Dev.</u> | <u>Count</u>  |   | <u>Min</u> |   | <u>Max</u> |
| Alkalinity as CaCO3, @ pH 4.5    | mg/L         | 36              | 104        | 366        | 252.25      | 53.62056        | 0             |   |            |   |            |
| Alkalinity, Bicarbonate as CaCO3 | mg/L         | 36              | 125        | 374        | 260.5278    | 51.83407        | 0             |   |            |   |            |
| Alkalinity, Carbonate as CaCO3   | mg/L         | 32              | 3          | 36.3       | 19.9        | 8.1             | 4             | < | 10         | < | 20         |
| Alkalinity, Hydroxide as CaCO3   | mg/L         | 0               |            |            |             |                 | 11            | < | 2          | < | 10         |
| Ammonia Nitrogen                 | mg/L         | 5               | 0.05       | 0.21       | 0.10        | 0.07            | 31            | < | 0.05       | < | 0.5        |
| Bicarbonate as HCO3              | mg/L         | 11              | 183        | 342        | 296.0909    | 45.94008        | 0             |   |            |   |            |
| Cadmium, Total Recoverable       | mg/L         | 7               | 7E-05      | 0.005      | 0.001       | 0.002           | 29            | < | 0.00005    | < | 0.0005     |
| Calcium, Dissolved               | mg/L         | 36              | 32.1       | 101        | 65.9        | 15.2            | 0             |   |            |   |            |
| Carbonate as CO3                 | mg/L         | 10              | 10         | 21.8       | 15.3        | 4.2             | 1             | < | 10         | < | 10         |
| Flow                             | cfs          | 13              | 0          | 65.91      | 7.87        | 17.66           | 0             |   |            |   |            |
| Hydroxide as OH                  | mg/L         | 0               |            |            |             |                 | 36            | < | 2          | < | 20         |
| Iron, Total Recoverable          | mg/L         | 36              | 0.187      | 26.7       | 2.607       | 5.204           | 0             |   |            |   |            |
| Magnesium, Dissolved             | mg/L         | 36              | 15         | 72.5       | 43.6        | 13.0            | 0             |   |            |   |            |
| Manganese, Total Recoverable     | mg/L         | 36              | 0.012      | 0.518      | 0.071       | 0.093           | 0             |   |            |   |            |
| Mercury, Total                   | mg/L         | 0               |            |            |             |                 | 36            | < | 0.0002     | < | 0.001      |
| Molybdenum, Total Recoverable    | mg/L         | 2               | 0.01       | 0.01       | 0.01        | 0               | 34            | < | 0.02       | < | 0.1        |
| NO3-NO2 Nitrogen                 | mg/L         | 15              | 0.02       | 0.83       | 0.13        | 0.20            | 21            | < | 0.02       | < | 0.1        |
| pH Temperature                   | Deg C        | 35              | 19.2       | 24         | 21.4        | 1.2             | 0             |   |            |   |            |
| pH, Field                        | S.U.         | 11              | 7.9        | 8.69       | 8.22        | 0.23            | 0             |   |            |   |            |
| pH, Lab                          | S.U.         | 37              | 8.3        | 8.9        | 8.6         | 0.1             | 0             |   |            |   |            |
| Phosphorus, Dissolved            | mg/L         | 1               | 0.04       | 0.04       | 0.04        |                 | 2             | < | 0.05       | < | 0.05       |
| Phosphorus, Orthophosphorus      | mg/L         | 21              | 0.01       | 0.07       | 0.02        | 0.01            | 12            | < | 0.01       | < | 0.05       |
| Selenium, Total Recoverable      | mg/L         | 36              | 0.0003     | 0.0014     | 0.0005      | 0.0002          | 0             |   |            |   |            |
| Silver, Total Recoverable        | mg/L         | 2               | 8E-05      | 0.00013    | 0.00011     | 0.00004         | 34            | < | 0.00005    | < | 0.0003     |
| Sodium Adsorption Ratio          | RATIO        | 37              | 0.4        | 5.58       | 1.01        | 0.87            | 0             |   |            |   |            |
| Sodium, Dissolved                | mg/L         | 36              | 10.9       | 235        | 43.4        | 39.0            | 0             |   |            |   |            |
| Solids, Total Suspended          | mg/L         | 34              | 5          | 1020       | 86.82353    | 194.1052        | 2             | < | 20         | < | 20         |
| Specific Conductivity, Field     | UMHOS/CM     | 11              | 460        | 1430       | 843.6364    | 255.8622        | 0             |   |            |   |            |
| Specific Conductivity, Lab       | ums/cm       | 36              | 329        | 1500       | 786.4445    | 226.9467        | 0             |   |            |   |            |
| Sulfates                         | mg/L         | 35              | 60         | 440        | 188.4571    | 87.61659        | 1             | < | 50         | < | 50         |

|                             |       |    |      |      |          |          |    |   |      |   |      |
|-----------------------------|-------|----|------|------|----------|----------|----|---|------|---|------|
| Temperature, Field          | Deg C | 11 | 13.1 | 26.6 | 20.4     | 4.0      | 0  |   |      |   |      |
| Total Dissolved Solids, Lab | mg/L  | 36 | 210  | 1050 | 526.2222 | 170.9221 | 0  |   |      |   |      |
| Zinc, Total Recoverable     | mg/L  | 10 | 0.01 | 0.13 | 0.05     | 0.04     | 26 | < | 0.01 | < | 0.05 |

< - denotes value is below detectable limits

> - denotes value is above detectable limit

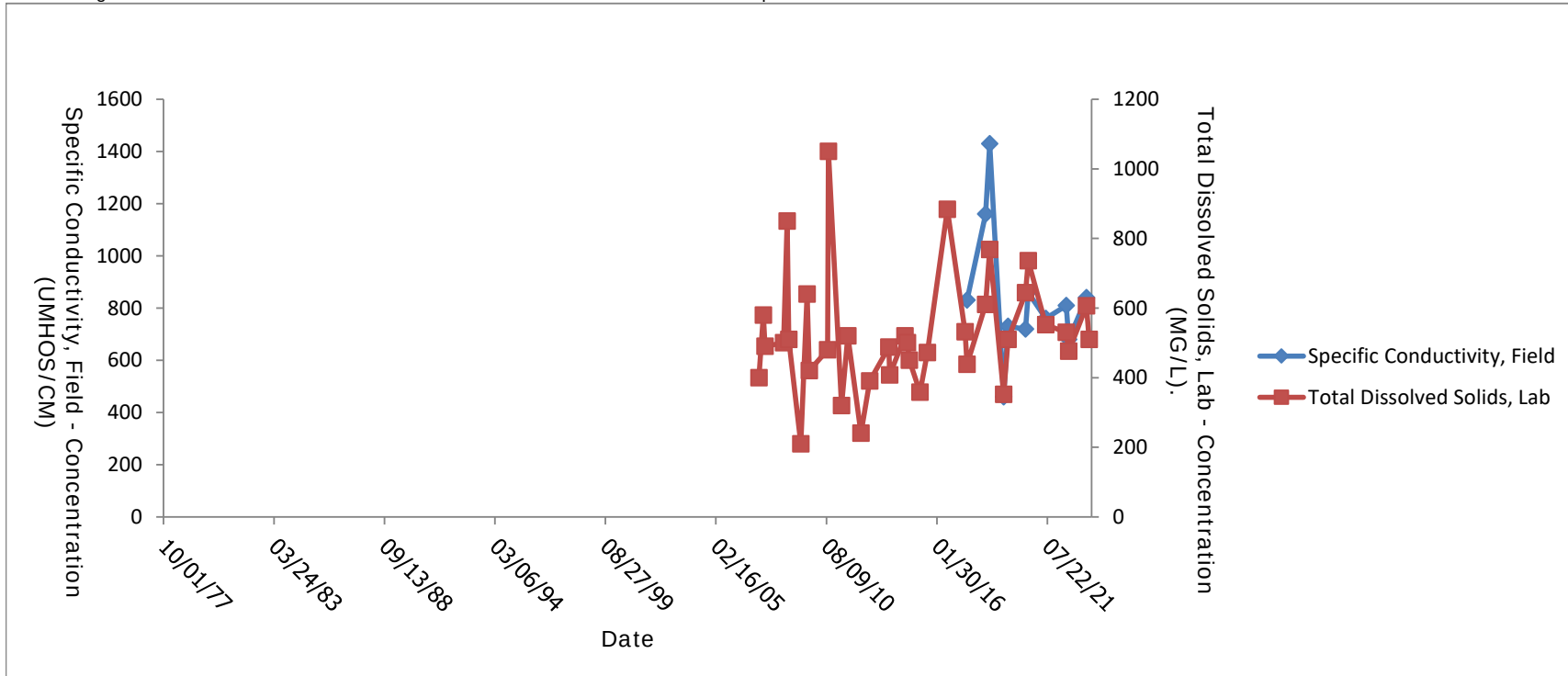
< - denotes value is below detectable limits

> - denotes value is above detectable limits



# FOIDEL CREEK MINE - SW14

|                         |                       |              |       |        |      |          |    |
|-------------------------|-----------------------|--------------|-------|--------|------|----------|----|
| Sample Point:           | SW14                  | Township:    | 005N  | Range: | 086W | Section: | 15 |
| Mine:                   | FOIDEL CREEK MINE     | Northing:    | 47360 |        |      |          |    |
| State:                  | CO                    | Easting:     | 30701 |        |      |          |    |
| Drainage/Geologic Unit: |                       | Elevation:   | 6650  |        |      |          |    |
| Date Range:             | 10/1/1977 - 9/30/2023 | Total Depth: | 0     |        |      |          |    |



## Ground and Surface Water Quality Statistics Report

**Sample Point** SW15  
**Mine:** FOIDEL CREEK MINE  
**State:** CO  
**Drainage/Geologic Unit:**  
**Date Range** 10/01/1978 to 9/30/2023

**Township** 005N  
**Northing** 53407  
**Easting** 33803  
**Elevation** 6628  
**Range:** 087W **Section** 11

| <u>Parm Description</u>                      | <u>Units</u> | <u>Uncensored Data</u> |            |            |             |                 | <u>Censored Data</u> |            |            |
|----------------------------------------------|--------------|------------------------|------------|------------|-------------|-----------------|----------------------|------------|------------|
|                                              |              | <u>Count</u>           | <u>Min</u> | <u>Max</u> | <u>Mean</u> | <u>Std.Dev.</u> | <u>Count</u>         | <u>Min</u> | <u>Max</u> |
| Alkalinity as CaCO <sub>3</sub> , @ pH 4.5   | mg/L         | 36                     | 130        | 357        | 234.1667    | 53.83493        | 0                    |            |            |
| Alkalinity, Bicarbonate as CaCO <sub>3</sub> | mg/L         | 37                     | 155        | 374        | 243.4595    | 49.23898        | 0                    |            |            |
| Alkalinity, Carbonate as CaCO <sub>3</sub>   | mg/L         | 36                     | 2          | 70.6       | 18.2        | 13.9            | 1                    | < 2        | < 2        |
| Alkalinity, Hydroxide as CaCO <sub>3</sub>   | mg/L         | 0                      |            |            |             |                 | 10                   | < 2        | < 10       |
| Ammonia Nitrogen                             | mg/L         | 4                      | 0.05       | 0.14       | 0.07        | 0.05            | 33                   | < 0.05     | < 0.5      |
| Bicarbonate as HCO <sub>3</sub>              | mg/L         | 10                     | 193        | 324        | 278.9       | 36.4492         | 0                    |            |            |
| Cadmium, Total Recoverable                   | mg/L         | 8                      | 0.0001     | 0.0033     | 0.0006      | 0.0011          | 29                   | < 0.00005  | < 2        |
| Calcium, Dissolved                           | mg/L         | 37                     | 39.8       | 85.8       | 62.1        | 11.9            | 0                    |            |            |
| Carbonate as CO <sub>3</sub>                 | mg/L         | 8                      | 7.5        | 42.4       | 21.0        | 9.9             | 2                    | < 2        | < 10       |
| Flow                                         | cfs          | 14                     | 0          | 69.08      | 8.09        | 18.04           | 0                    |            |            |
| Hydroxide as OH                              | mg/L         | 0                      |            |            |             |                 | 36                   | < 2        | < 20       |
| Iron, Total Recoverable                      | mg/L         | 37                     | 0.39       | 670        | 20.52       | 109.78          | 0                    |            |            |
| Magnesium, Dissolved                         | mg/L         | 37                     | 20.3       | 69         | 41.7        | 12.5            | 0                    |            |            |
| Manganese, Total Recoverable                 | mg/L         | 37                     | 0.018      | 50         | 1.429       | 8.207           | 0                    |            |            |
| Mercury, Total                               | mg/L         | 0                      |            |            |             |                 | 36                   | < 0.0002   | < 0.001    |
| Mercury, Total Recoverable                   | ug/L         | 0                      |            |            |             |                 | 1                    | < 0.0002   | < 0.0002   |
| Molybdenum, Total Recoverable                | mg/L         | 2                      | 0.02       | 0.02       | 0.02        | 0               | 35                   | < 0.02     | < 50       |
| Nitrate Nitrogen                             | mg/L         | 1                      | 0.08       | 0.08       | 0.08        |                 | 0                    |            |            |
| Nitrite Nitrogen                             | mg/L         | 0                      |            |            |             |                 | 1                    | < 0.02     | < 0.02     |
| NO <sub>3</sub> -NO <sub>2</sub> Nitrogen    | mg/L         | 19                     | 0.02       | 3.46       | 0.32        | 0.81            | 18                   | < 0.02     | < 0.1      |
| pH Temperature                               | Deg C        | 36                     | 19         | 24         | 21.31944    | 1.17469         | 0                    |            |            |
| pH, Field                                    | S.U.         | 11                     | 8          | 8.65       | 8.32        | 0.20            | 0                    |            |            |
| pH, Lab                                      | S.U.         | 38                     | 7.8        | 8.9        | 8.6         | 0.2             | 0                    |            |            |
| Phosphorus, Dissolved                        | mg/L         | 4                      | 0.02       | 0.03       | 0.03        | 0.01            | 1                    | < 0.05     | < 0.05     |
| Phosphorus, Orthophosphorus                  | mg/L         | 24                     | 0.01       | 0.09       | 0.03        | 0.02            | 8                    | < 0.01     | < 0.05     |
| Selenium, Total Recoverable                  | ug/L         | 36                     | 0.0002     | 0.0017     | 0.0005      | 0.0003          | 1                    | < 2        | < 2        |
| Silver, Total Recoverable                    | mg/L         | 2                      | 6E-05      | 8E-05      | 7E-05       | .414214E-05     | 35                   | < 0.00005  | < 0.4      |
| Sodium Adsorption Ratio                      | RATIO        | 37                     | 0.48       | 5.55       | 1.05        | 0.84            | 0                    |            |            |
| Sodium, Dissolved                            | mg/L         | 37                     | 15.2       | 234        | 44.0        | 36.7            | 0                    |            |            |
| Solids, Total Suspended                      | mg/L         | 37                     | 7          | 480        | 70.72973    | 101.1233        | 0                    |            |            |

|                              |          |    |      |      |          |          |    |   |      |   |      |
|------------------------------|----------|----|------|------|----------|----------|----|---|------|---|------|
| Specific Conductivity, Field | UMHOS/CM | 11 | 480  | 1140 | 798.1818 | 171.8033 | 0  |   |      |   |      |
| Specific Conductivity, Lab   | ums/cm   | 38 | 414  | 1510 | 775.3158 | 212.2999 | 0  |   |      |   |      |
| Sulfates                     | mg/L     | 36 | 80   | 440  | 185.5556 | 76.89156 | 1  | < | 5    | < | 5    |
| Temperature, Field           | Deg C    | 11 | 14.4 | 28.7 | 23.9     | 3.9      | 0  |   |      |   |      |
| Total Dissolved Solids, Lab  | mg/L     | 37 | 270  | 1050 | 511.1351 | 149.8707 | 0  |   |      |   |      |
| Zinc, Total Recoverable      | mg/L     | 13 | 0.01 | 9.5  | 0.75     | 2.63     | 24 | < | 0.01 | < | 0.05 |

< - denotes value is below detectable limits

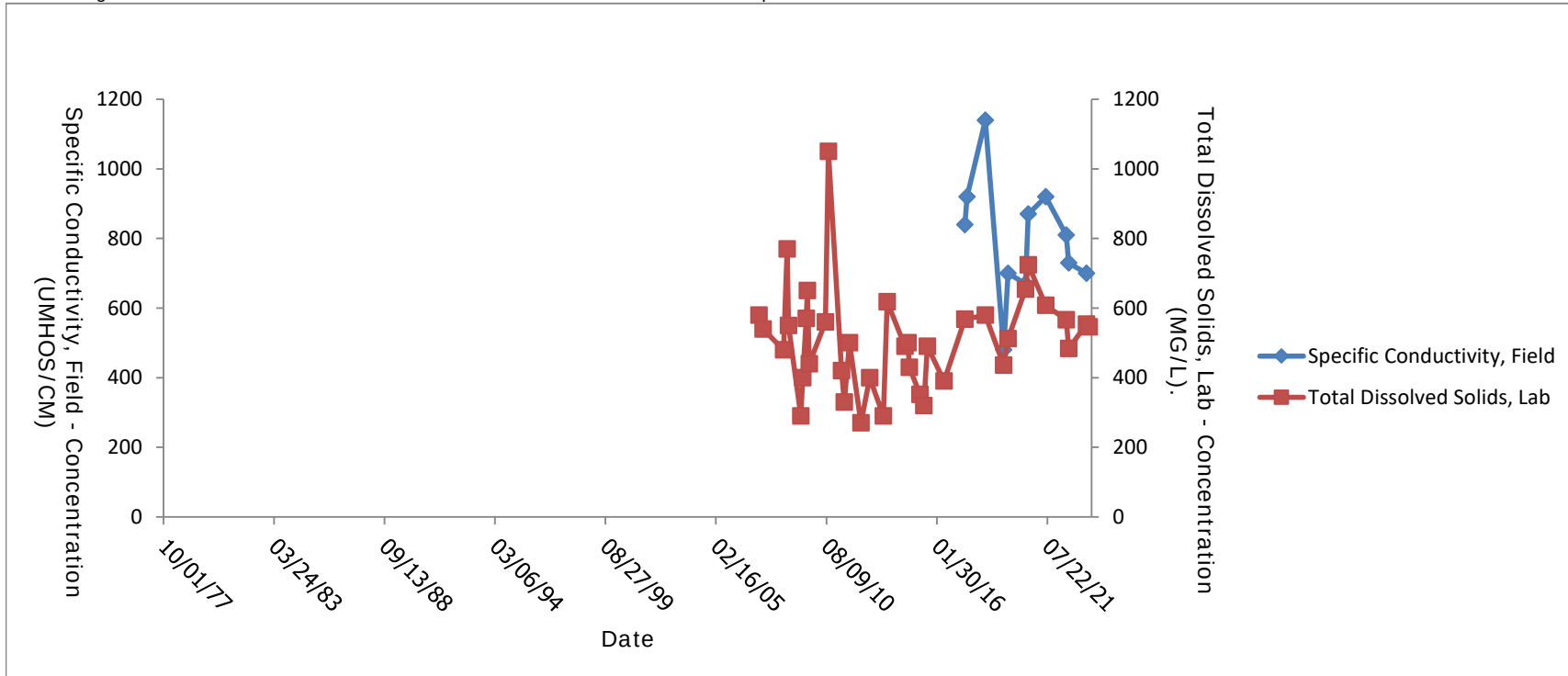
> - denotes value is above detectable limit

< - denotes value is below detectable limits

> - denotes value is above detectable limits

# FOIDEL CREEK MINE - SW15

|                         |                       |              |       |        |      |          |    |
|-------------------------|-----------------------|--------------|-------|--------|------|----------|----|
| Sample Point:           | SW15                  | Township:    | 005N  | Range: | 087W | Section: | 11 |
| Mine:                   | FOIDEL CREEK MINE     | Northing:    | 53407 |        |      |          |    |
| State:                  | CO                    | Easting:     | 33803 |        |      |          |    |
| Drainage/Geologic Unit: |                       | Elevation:   | 6628  |        |      |          |    |
| Date Range:             | 10/1/1977 - 9/30/2023 | Total Depth: | 0     |        |      |          |    |



Foidel Creek Mine  
2023 Annual Report  
Attachment 4  
Spoil Spring Data

Foidel Creek Mine  
2023 Annual Report  
Attachment 4  
Spoil Spring Data  
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| Site 3031 .....                                                                                                                    | Att-04-5    |

Water Quality for Water Year, Life of Well Water Quality Statistics, and Graphs of TDS and Field Conductivity for Spoil Springs

## Ground and Surface Water Quality Report

Section: 1

086W

Range:

005N

Township:

58251

Northing:

37806

Easting:

6605

Elevation:

3031

FOIDEL CREEK MINE

CO

Sample Point:

Mine:

State:

Drainage/Geologic Unit:

Date Range: 10/01/2022 - 9/30/2023

Date(s) of Collection: 6/1/2023 9/13/2023

Comment(s): 4 gpm 2 GPM

Chemical Unit

Alkalinity as CaCO<sub>3</sub>, @ pH 4.5 mg/L 589

Alkalinity, Bicarbonate as CaCO<sub>3</sub> mg/L 589

Alkalinity, Carbonate as CaCO<sub>3</sub> mg/L < 20

Alkalinity, Hydroxide as CaCO<sub>3</sub> mg/L < 20

Ammonia Nitrogen mg/L < 2

Bicarbonate as HCO<sub>3</sub> mg/L 718

Cadmium, Total Recoverable mg/L < 0.0005

Calcium, Dissolved mg/L 458

Carbonate as CO<sub>3</sub> mg/L < 20

Flow Gallons Per M 4 2

Hydroxide as OH mg/L < 20

Indication Oil and Grease Y/N N

Iron, Total Recoverable mg/L 1.37

Magnesium, Dissolved mg/L 356

Manganese, Total Recoverable mg/L 0.649

Mercury, Total mg/L < 0.001

Molybdenum, Total Recoverable mg/L < 0.2

NO<sub>3</sub>-NO<sub>2</sub> Nitrogen mg/L 0.084

pH Temperature Deg C 22.9

pH, Field S.U. 7.3

pH, Lab S.U. 7.7

Phosphorus, Orthophosphorus mg/L < 0.05

Selenium, Total Recoverable mg/L < 0.0005

Silver, Total Recoverable mg/L < 0.001

Sodium, Dissolved mg/L 154

Solids, Total Suspended mg/L 18.0

Specific Conductivity, Field um/cm 3720



|                             |        |       |
|-----------------------------|--------|-------|
| Specific Conductivity, Lab  | ums/cm | 3900  |
| Sulfates                    | mg/L   | 2260  |
| Temperature, Field          | Deg C  | 15.7  |
| Total Dissolved Solids, Lab | mg/L   | 3760  |
| Zinc, Total Recoverable     | mg/L   | < 0.1 |

## Ground and Surface Water Quality Statistics Report

**Sample Point** 3031  
**Mine:** FOIDEL CREEK MINE  
**State:** CO  
**Drainage/Geologic Unit:**  
**Date Range** 10/01/1978 to 9/30/2023

**Township** 005N  
**Northing** 58251  
**Easting** 37806  
**Elevation** 6605  
**Range:** 086W  
**Section** 1

| Parm Description                 | Units            | Uncensored Data |        |        |          |          | Censored Data |     |         |  |  |
|----------------------------------|------------------|-----------------|--------|--------|----------|----------|---------------|-----|---------|--|--|
|                                  |                  | Count           | Min    | Max    | Mean     | Std.Dev. | Count         | Min | Max     |  |  |
| Alkalinity as CaCO3, @ pH 4.5    | mg/L             | 22              | 260    | 621    | 552.9091 | 85.16534 | 0             |     |         |  |  |
| Alkalinity, Bicarbonate as CaCO3 | mg/L             | 22              | 260    | 757    | 622.0455 | 124.0574 | 0             |     |         |  |  |
| Alkalinity, Carbonate as CaCO3   | mg/L             | 0               |        |        |          |          | 22            | <   | 2       |  |  |
| Alkalinity, Hydroxide as CaCO3   | mg/L             | 0               |        |        |          |          | 10            | <   | 2       |  |  |
| Ammonia Nitrogen                 | mg/L             | 9               | 0.067  | 0.54   | 0.435    | 0.155    | 13            | <   | 0.05    |  |  |
| Bicarbonate as HCO3              | mg/L             | 12              | 317    | 757    | 656.1667 | 130.8808 | 0             |     |         |  |  |
| Cadmium, Total Recoverable       | mg/L             | 8               | 0.0001 | 0.0002 | 0.0001   | 0.0000   | 14            | <   | 0.00005 |  |  |
| Calcium, Dissolved               | mg/L             | 22              | 369    | 512    | 448.9091 | 35.77297 | 0             |     |         |  |  |
| Carbonate as CO3                 | mg/L             | 0               |        |        |          |          | 11            | <   | 2       |  |  |
| Flow                             | Gallons Per Mini | 10              | 1      | 5      | 2.6      | 1.264911 | 0             |     |         |  |  |
| Hardness, Calcium                | mg/L             | 0               |        |        |          |          | 1             | <   | 2       |  |  |
| Hydroxide as OH                  | mg/L             | 0               |        |        |          |          | 22            | <   | 2       |  |  |
| Iron, Total Recoverable          | mg/L             | 21              | 0.09   | 2.12   | 0.92     | 0.69     | 1             | <   | 0.1     |  |  |
| Magnesium, Dissolved             | mg/L             | 22              | 284    | 435    | 358.7727 | 31.37474 | 0             |     |         |  |  |
| Manganese, Total Recoverable     | mg/L             | 21              | 0.039  | 2.95   | 1.384    | 1.216    | 1             | <   | 0.05    |  |  |
| Mercury, Total                   | mg/L             | 0               |        |        |          |          | 22            | <   | 0.0002  |  |  |
| Molybdenum, Total Recoverable    | mg/L             | 0               |        |        |          |          | 22            | <   | 0.02    |  |  |
| NO3-NO2 Nitrogen                 | mg/L             | 18              | 0.03   | 0.33   | 0.17     | 0.11     | 4             | <   | 0.02    |  |  |
| pH Temperature                   | Deg C            | 22              | 19     | 24     | 21.65    | 1.339065 | 0             |     |         |  |  |
| pH, Field                        | S.U.             | 10              | 6.96   | 7.84   | 7.13     | 0.27     | 0             |     |         |  |  |
| pH, Lab                          | S.U.             | 22              | 7.4    | 8.3    | 7.9      | 0.2      | 0             |     |         |  |  |
| Phosphorus, Dissolved            | mg/L             | 0               |        |        |          |          | 3             | <   | 0.05    |  |  |
| Phosphorus, Orthophosphorus      | mg/L             | 8               | 0.01   | 0.02   | 0.01     | 0.00     | 11            | <   | 0.01    |  |  |
| Selenium, Total Recoverable      | mg/L             | 11              | 0.0001 | 0.0007 | 0.0004   | 0.0002   | 11            | <   | 0.0001  |  |  |
| Silver, Total Recoverable        | mg/L             | 0               |        |        |          |          | 22            | <   | 0.0001  |  |  |
| Sodium, Dissolved                | mg/L             | 22              | 105    | 219    | 158.5909 | 22.51065 | 0             |     |         |  |  |
| Solids, Total Suspended          | mg/L             | 12              | 5      | 18     | 10.33333 | 4.519319 | 10            | <   | 5       |  |  |
| Specific Conductivity, Field     | UMHOS/CM         | 10              | 2940   | 4210   | 3700     | 344.4803 | 0             |     |         |  |  |
| Specific Conductivity, Lab       | ums/cm           | 22              | 3390   | 4350   | 3956.818 | 207.4881 | 0             |     |         |  |  |
| Sulfates                         | mg/L             | 22              | 1910   | 2820   | 2345     | 182.9064 | 0             |     |         |  |  |

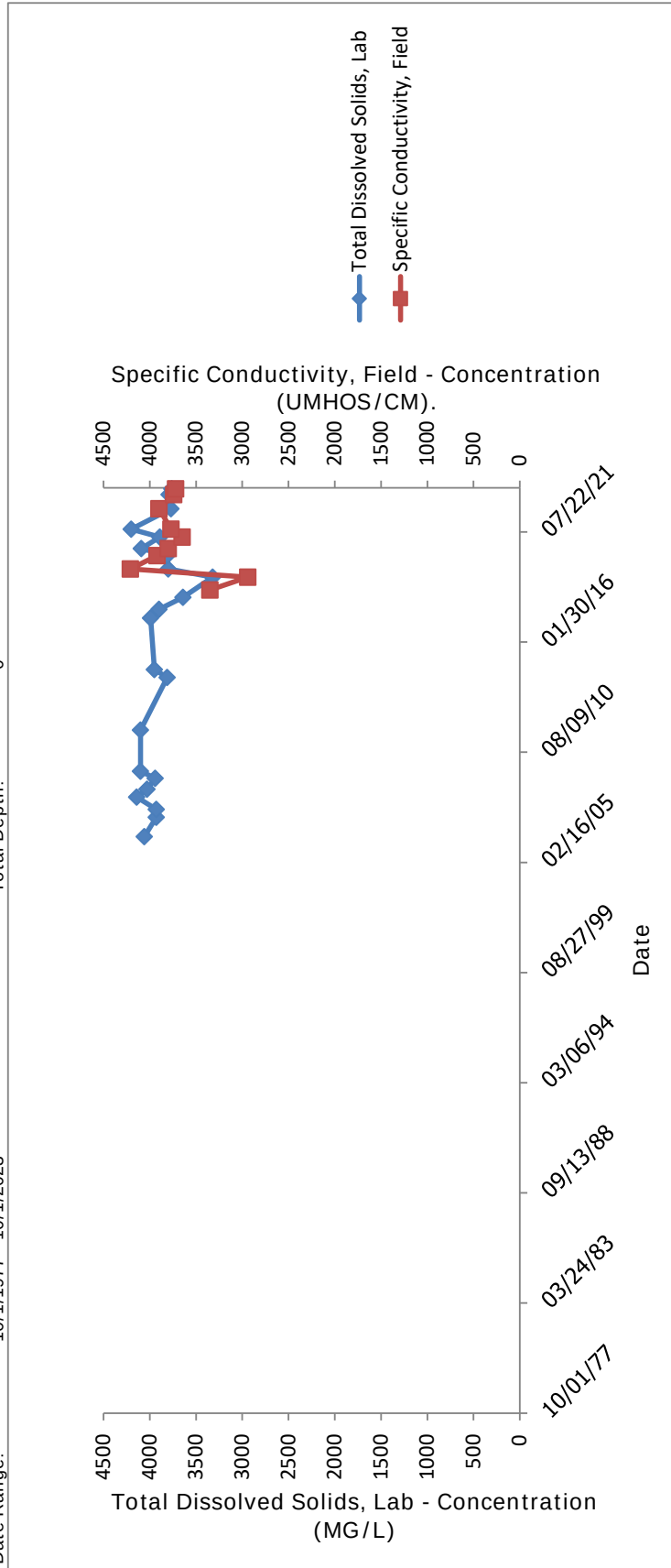
|                             |    |      |      |          |          |    |   |      |     |
|-----------------------------|----|------|------|----------|----------|----|---|------|-----|
| Temperature, Field          | 10 | 9.6  | 16.9 | 13.0     | 2.5      | 0  |   |      |     |
| Total Dissolved Solids, Lab | 22 | 3320 | 4200 | 3906.818 | 194.9453 | 0  |   |      |     |
| Zinc, Total Recoverable     | 9  | 0.01 | 0.17 | 0.06     | 0.05     | 13 | < | 0.01 | <   |
|                             |    |      |      |          |          |    |   |      | 0.3 |

< - denotes value is below detectable limits

> - denotes value is above detectable limits

# FOIDEL CREEK MINE - 3031

Sample Point: 3031 Township: 005N Range: 086W Section: 1  
 Mine: FOIDEL CREEK MINE Northing: 58251  
 State: CO Easting: 37806  
 Drainage/Geologic Unit: Elevation: 6605  
 Date Range: 10/1/1977 - 10/1/2023 Total Depth: 0



Foidel Creek Mine  
2023 Annual Report  
Attachment 5  
CPDS Data

Foidel Creek Mine  
2023 Annual Report  
Attachment 5  
CPDS Data  
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## CPDS WATER QUALITY

Permit No. \_\_\_\_\_

Mine: FOIDEL CREEK MINE

Annual Report Period 10/01/2022 to 9/30/2023

| SAMPLE STATION | SAMPLE DATE | SAMPLING COMPANY        | SAMPLING METHOD | PARAMETER NAME               | PARM VALUE | UNITS                   | LAB BOTTLE ID | ANALYSIS DATE | COMMENTS |
|----------------|-------------|-------------------------|-----------------|------------------------------|------------|-------------------------|---------------|---------------|----------|
| 115            | 10/5/2022   | TWENTYMILE COAL COMPANY | GRAB            | Flow                         | 0          | MILLION GALLONS         |               | 10/5/2022     |          |
| 115            | 10/12/2022  | TWENTYMILE COAL COMPANY | GRAB            | Flow                         | 0          | MILLION GALLONS PER DAY |               | 10/12/2022    |          |
| 115            | 10/19/2022  | TWENTYMILE COAL COMPANY | GRAB            | Flow                         | 0          | MILLION GALLONS PER DAY |               | 10/19/2022    |          |
| 115            | 10/26/2022  | TWENTYMILE COAL COMPANY | GRAB            | Flow                         | 0          | MILLION GALLONS PER DAY |               | 10/26/2022    |          |
| 115            | 11/2/2022   | TWENTYMILE COAL COMPANY | GRAB            | Flow                         | 0          | MILLION GALLONS PER DAY |               | 11/2/2022     |          |
| 115            | 11/9/2022   | TWENTYMILE COAL COMPANY | GRAB            | Flow                         | 0          | MILLION GALLONS PER DAY |               | 11/9/2022     |          |
| 115            | 11/16/2022  | TWENTYMILE COAL COMPANY | GRAB            | Flow                         | 0          | MILLION GALLONS PER DAY |               | 11/16/2022    |          |
| 55             | 10/5/2022   | TWENTYMILE COAL COMPANY | GRAB            | Flow                         | 0          | MILLION GALLONS PER DAY |               | 10/5/2022     |          |
| 55             | 10/12/2022  | TWENTYMILE COAL COMPANY | GRAB            | Flow                         | 0          | MILLION GALLONS PER DAY |               | 10/12/2022    |          |
| 55             | 10/19/2022  | TWENTYMILE COAL COMPANY | GRAB            | Flow                         | 0          | MILLION GALLONS PER DAY |               | 10/19/2022    |          |
| 55             | 10/26/2022  | TWENTYMILE COAL COMPANY | GRAB            | Flow                         | 0          | MILLION GALLONS PER DAY |               | 10/26/2022    |          |
| 55             | 11/2/2022   | TWENTYMILE COAL COMPANY | GRAB            | Flow                         | 0          | MILLION GALLONS PER DAY |               | 11/2/2022     |          |
| 55             | 11/9/2022   | TWENTYMILE COAL COMPANY | GRAB            | Flow                         | 0          | MILLION GALLONS PER DAY |               | 11/9/2022     |          |
| 55             | 11/16/2022  | TWENTYMILE COAL COMPANY | GRAB            | Flow                         | 0          | MILLION GALLONS PER DAY |               | 11/16/2022    |          |
| 55             | 4/18/2023   | TWENTYMILE COAL COMPANY | GRAB            | Flow                         | 0.355      | MILLION GALLONS PER DAY |               | 4/18/2023     |          |
| 55             | 4/18/2023   | TWENTYMILE COAL COMPANY | GRAB            | Iron, Total                  | 1.33       | mg/L                    | L79932-06     | 4/28/2023     |          |
| 55             | 4/18/2023   | TWENTYMILE COAL COMPANY | GRAB            | pH Temperature               | 21.9       | Deg C                   | L79932-06     | 5/15/2023     |          |
| 55             | 4/18/2023   | TWENTYMILE COAL COMPANY | GRAB            | pH, Field                    | 8          | S.U.                    | L79932-06     | 4/18/2023     |          |
| 55             | 4/18/2023   | TWENTYMILE COAL COMPANY | GRAB            | pH, Lab                      | 8.1        | S.U.                    | L79932-06     | 5/15/2023     |          |
| 55             | 4/18/2023   | TWENTYMILE COAL COMPANY | GRAB            | Solids, Settleable           | < 0.51     | mL/L                    | L79932-06     | 4/18/2023     |          |
| 55             | 4/18/2023   | TWENTYMILE COAL COMPANY | GRAB            | Solids, Total Suspended      | 17         | mg/L                    | L79932-06     | 4/24/2023     |          |
| 55             | 4/18/2023   | TWENTYMILE COAL COMPANY | GRAB            | Specific Conductivity, Field | 280        | ums/cm                  | L79932-06     | 4/18/2023     |          |
| 55             | 4/18/2023   | TWENTYMILE COAL COMPANY | GRAB            | Specific Conductivity, Lab   | 246        | ums/cm                  | L79932-06     | 5/15/2023     |          |
| 55             | 4/18/2023   | TWENTYMILE COAL COMPANY | GRAB            | Temperature, Field           | 9.5        | Deg C                   | L79932-06     | 4/18/2023     |          |
| 55             | 4/18/2023   | TWENTYMILE COAL COMPANY | GRAB            | Total Dissolved Solids, Lab  | 168        | mg/L                    | L79932-06     | 4/25/2023     |          |
| 55             | 4/27/2023   | TWENTYMILE COAL COMPANY | GRAB            | Flow                         | 0.078      | MILLION GALLONS PER DAY |               | 4/27/2023     |          |

|    |           |                         |      |                              |        |                         |           |           |  |
|----|-----------|-------------------------|------|------------------------------|--------|-------------------------|-----------|-----------|--|
| 55 | 4/27/2023 | TWENTYMILE COAL COMPANY | GRAB | Iron, Total                  | 1.02   | mg/L                    | L80132-06 | 5/8/2023  |  |
| 55 | 4/27/2023 | TWENTYMILE COAL COMPANY | GRAB | pH Temperature               | 21.7   | Deg C                   | L80132-06 | 5/19/2023 |  |
| 55 | 4/27/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                    | 8.9    | S.U.                    | L80132-06 | 4/27/2023 |  |
| 55 | 4/27/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                      | 8.4    | S.U.                    | L80132-06 | 5/19/2023 |  |
| 55 | 4/27/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable           | < 0.5  | mL/L                    | L80132-06 | 4/28/2023 |  |
| 55 | 4/27/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended      | 15     | mg/L                    | L80132-06 | 5/3/2023  |  |
| 55 | 4/27/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field | 410    | ums/cm                  | L80132-06 | 4/27/2023 |  |
| 55 | 4/27/2023 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field           | 14.3   | Deg C                   | L80132-06 | 4/27/2023 |  |
| 55 | 5/4/2023  | TWENTYMILE COAL COMPANY | GRAB | Flow                         | 0.01   | MILLION GALLONS PER DAY |           | 5/4/2023  |  |
| 55 | 5/4/2023  | TWENTYMILE COAL COMPANY | GRAB | Iron, Total                  | 0.494  | mg/L                    | L80247-05 | 5/13/2023 |  |
| 55 | 5/4/2023  | TWENTYMILE COAL COMPANY | GRAB | pH Temperature               | 22     | Deg C                   | L80247-05 | 5/19/2023 |  |
| 55 | 5/4/2023  | TWENTYMILE COAL COMPANY | GRAB | pH, Field                    | 8.7    | S.U.                    | L80247-05 | 5/4/2023  |  |
| 55 | 5/4/2023  | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                      | 8.6    | S.U.                    | L80247-05 | 5/19/2023 |  |
| 55 | 5/4/2023  | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable           | < 0.49 | mL/L                    | L80247-05 | 5/4/2023  |  |
| 55 | 5/4/2023  | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended      | 6      | mg/L                    | L80247-05 | 5/10/2023 |  |
| 55 | 5/4/2023  | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field | 440    | ums/cm                  | L80247-05 | 5/4/2023  |  |
| 55 | 5/4/2023  | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field           | 14.7   | Deg C                   | L80247-05 | 5/4/2023  |  |
| 55 | 5/10/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                         | 0.005  | MILLION GALLONS PER DAY |           | 5/10/2023 |  |
| 55 | 5/10/2023 | TWENTYMILE COAL COMPANY | GRAB | Iron, Total                  | 0.372  | mg/L                    | L80395-05 | 5/23/2023 |  |
| 55 | 5/10/2023 | TWENTYMILE COAL COMPANY | GRAB | pH Temperature               | 22.2   | Deg C                   | L80395-05 | 5/20/2023 |  |
| 55 | 5/10/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                    | 8.7    | S.U.                    | L80395-05 | 5/10/2023 |  |
| 55 | 5/10/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                      | 8.6    | S.U.                    | L80395-05 | 5/20/2023 |  |
| 55 | 5/10/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable           | < 0.5  | mL/L                    | L80395-05 | 5/10/2023 |  |
| 55 | 5/10/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended      | 6      | mg/L                    | L80395-05 | 5/16/2023 |  |
| 55 | 5/10/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field | 490    | ums/cm                  | L80395-05 | 5/10/2023 |  |
| 55 | 5/10/2023 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field           | 15.6   | Deg C                   | L80395-05 | 5/10/2023 |  |
| 55 | 5/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                         | 0.005  | MILLION GALLONS PER DAY |           | 5/17/2023 |  |
| 55 | 5/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Iron, Total                  | 0.163  | mg/L                    | L80529-05 | 6/2/2023  |  |
| 55 | 5/17/2023 | TWENTYMILE COAL COMPANY | GRAB | pH Temperature               | 21.1   | Deg C                   | L80529-05 | 5/24/2023 |  |
| 55 | 5/17/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                    | 8.4    | S.U.                    | 80529-05  | 5/17/2023 |  |
| 55 | 5/17/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                      | 8.6    | S.U.                    | L80529-05 | 5/24/2023 |  |
| 55 | 5/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable           | < 0.5  | mL/L                    | L80529-05 | 5/17/2023 |  |
| 55 | 5/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended      | 7      | mg/L                    | L80529-05 | 5/23/2023 |  |
| 55 | 5/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field | 530    | ums/cm                  | 80529-05  | 5/17/2023 |  |
| 55 | 5/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field           | 18.4   | Deg C                   | 80529-05  | 5/17/2023 |  |



|    |           |                         |      |                              |        |                         |           |            |  |
|----|-----------|-------------------------|------|------------------------------|--------|-------------------------|-----------|------------|--|
| 55 | 5/24/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                         | 0.049  | MILLION GALLONS PER DAY |           | 5/24/2023  |  |
| 55 | 5/24/2023 | TWENTYMILE COAL COMPANY | GRAB | Iron, Total                  | < 0.15 | mg/L                    | L80639-05 | 6/3/2023   |  |
| 55 | 5/24/2023 | TWENTYMILE COAL COMPANY | GRAB | pH Temperature               | 21.6   | Deg C                   | L80639-05 | 6/5/2023   |  |
| 55 | 5/24/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                    | 8.6    | S.U.                    | L80639-05 | 5/24/2023  |  |
| 55 | 5/24/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                      | 8.5    | S.U.                    | L80639-05 | 6/5/2023   |  |
| 55 | 5/24/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable           | < 0.5  | mL/L                    | L80639-05 | 5/24/2023  |  |
| 55 | 5/24/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended      | < 20   | mg/L                    | L80639-05 | 5/30/2023  |  |
| 55 | 5/24/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field | 660    | ums/cm                  | L80639-05 | 5/24/2023  |  |
| 55 | 5/24/2023 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field           | 18.1   | Deg C                   | L80639-05 | 5/24/2023  |  |
| 55 | 5/31/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                         | 0.049  | MILLION GALLONS PER DAY |           | 5/31/2023  |  |
| 55 | 5/31/2023 | TWENTYMILE COAL COMPANY | GRAB | Iron, Total                  | < 0.15 | mg/L                    | L80770-05 | 6/9/2023   |  |
| 55 | 5/31/2023 | TWENTYMILE COAL COMPANY | GRAB | pH Temperature               | 22.3   | Deg C                   | L80770-05 | 6/15/2023  |  |
| 55 | 5/31/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                    | 8.9    | S.U.                    | L80770-05 | 5/31/2023  |  |
| 55 | 5/31/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                      | 8.7    | S.U.                    | L80770-05 | 6/15/2023  |  |
| 55 | 5/31/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable           | < 0.51 | mL/L                    | L80770-05 | 5/31/2023  |  |
| 55 | 5/31/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended      | < 20   | mg/L                    | L80770-05 | 6/2/2023   |  |
| 55 | 5/31/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field | 630    | ums/cm                  | L80770-05 | 5/31/2023  |  |
| 55 | 5/31/2023 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field           | 19.2   | Deg C                   | L80770-05 | 5/31/2023  |  |
| 55 | 6/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Flow                         | 0.014  | MILLION GALLONS PER DAY |           | 6/7/2023   |  |
| 55 | 6/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Iron, Total                  | 0.075  | mg/L                    | L80911-05 | 6/15/2023  |  |
| 55 | 6/7/2023  | TWENTYMILE COAL COMPANY | GRAB | pH Temperature               | 21.5   | Deg C                   | L80911-05 | 6/16/2023  |  |
| 55 | 6/7/2023  | TWENTYMILE COAL COMPANY | GRAB | pH, Field                    | 9      | S.U.                    | L80911-05 | 6/7/2023   |  |
| 55 | 6/7/2023  | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                      | 8.9    | S.U.                    | L80911-05 | 6/16/2023  |  |
| 55 | 6/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable           | < 0.5  | mL/L                    | L80911-05 | 6/7/2023   |  |
| 55 | 6/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended      | < 20   | mg/L                    | L80911-05 | 6/14/2023  |  |
| 55 | 6/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field | 650    | ums/cm                  | L80911-05 | 6/7/2023   |  |
| 55 | 6/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field           | 20.3   | Deg C                   | L80911-05 | 6/7/2023   |  |
| 55 | 6/14/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                         | 0      | MILLION GALLONS PER DAY |           | 6/14/2023  |  |
| 62 | 10/5/2022 | TWENTYMILE COAL COMPANY | GRAB | Flow                         | 0.005  | MILLION GALLONS PER DAY |           | 10/5/2022  |  |
| 62 | 10/5/2022 | TWENTYMILE COAL COMPANY | GRAB | Iron, Total Recoverable      | 0.268  | mg/L                    | L76391-05 | 10/14/2022 |  |
| 62 | 10/5/2022 | TWENTYMILE COAL COMPANY | GRAB | pH Temperature               | 20.7   | Deg C                   | L76391-05 | 10/6/2022  |  |
| 62 | 10/5/2022 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                    | 7.8    | S.U.                    |           | 10/5/2022  |  |
| 62 | 10/5/2022 | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                      | 8.3    | S.U.                    | L76391-05 | 10/6/2022  |  |
| 62 | 10/5/2022 | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable           | < 0.5  | mL/L                    | L76391-05 | 10/5/2022  |  |
| 62 | 10/5/2022 | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended      | < 20   | mg/L                    | L76391-05 | 10/12/2022 |  |

|    |            |                         |      |                                    |           |                         |           |            |  |
|----|------------|-------------------------|------|------------------------------------|-----------|-------------------------|-----------|------------|--|
| 62 | 10/5/2022  | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field       | 3690      | UMHOS/CM                |           | 10/5/2022  |  |
| 62 | 10/5/2022  | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Lab         | 3620      | ums/cm                  | L76391-05 | 10/6/2022  |  |
| 62 | 10/5/2022  | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field                 | 10.4      | Deg C                   |           | 10/5/2022  |  |
| 62 | 10/5/2022  | TWENTYMILE COAL COMPANY | GRAB | Total Dissolved Solids, Lab        | 3560      | mg/L                    | L76391-05 | 10/12/2022 |  |
| 62 | 10/12/2022 | TWENTYMILE COAL COMPANY | GRAB | Arsenic, Total                     | 0.00027   | mg/L                    | L76591-05 | 10/19/2022 |  |
| 62 | 10/12/2022 | TWENTYMILE COAL COMPANY | GRAB | Cadmium, Potentially Dissolvable   | < 0.00025 | mg/L                    | L76591-05 | 10/19/2022 |  |
| 62 | 10/12/2022 | TWENTYMILE COAL COMPANY | GRAB | Chromium, Potentially Dissolvable  | < 0.002   | mg/L                    | L76591-05 | 10/19/2022 |  |
| 62 | 10/12/2022 | TWENTYMILE COAL COMPANY | GRAB | Copper, Potentially Dissolvable    | < 0.002   | mg/L                    | L76591-05 | 10/19/2022 |  |
| 62 | 10/12/2022 | TWENTYMILE COAL COMPANY | GRAB | Flow                               | 0.0029    | MILLION GALLONS PER DAY |           | 10/12/2022 |  |
| 62 | 10/12/2022 | TWENTYMILE COAL COMPANY | GRAB | Iron, Total Recoverable            | 0.508     | mg/L                    | L76591-05 | 10/24/2022 |  |
| 62 | 10/12/2022 | TWENTYMILE COAL COMPANY | GRAB | Lead, Potentially Dissolvable      | < 0.0005  | mg/L                    | L76591-05 | 10/19/2022 |  |
| 62 | 10/12/2022 | TWENTYMILE COAL COMPANY | GRAB | Manganese, Potentially Dissolvable | 0.032     | mg/L                    | L76591-05 | 10/18/2022 |  |
| 62 | 10/12/2022 | TWENTYMILE COAL COMPANY | GRAB | Mercury, Total                     | < 0.001   | mg/L                    | L76591-05 | 10/17/2022 |  |
| 62 | 10/12/2022 | TWENTYMILE COAL COMPANY | GRAB | Nickel, Potentially Dissolvable    | < 0.04    | mg/L                    | L76591-05 | 10/18/2022 |  |
| 62 | 10/12/2022 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                          | 7.9       | S.U.                    |           | 10/12/2022 |  |
| 62 | 10/12/2022 | TWENTYMILE COAL COMPANY | GRAB | Selenium, Potentially Dissolvable  | < 0.00025 | mg/L                    | L76591-05 | 10/19/2022 |  |
| 62 | 10/12/2022 | TWENTYMILE COAL COMPANY | GRAB | Silver, Potentially Dissolvable    | < 0.0005  | mg/L                    | L76591-05 | 10/19/2022 |  |
| 62 | 10/12/2022 | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable                 | < 0.51    | mL/L                    | L76591-05 | 10/12/2022 |  |
| 62 | 10/12/2022 | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended            | 13        | mg/L                    | L76591-05 | 10/17/2022 |  |
| 62 | 10/12/2022 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field       | 3310      | UMHOS/CM                |           | 10/12/2022 |  |
| 62 | 10/12/2022 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Lab         | 4040      | ums/cm                  | L76591-05 | 10/19/2022 |  |
| 62 | 10/12/2022 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field                 | 13.4      | Deg C                   |           | 10/12/2022 |  |
| 62 | 10/12/2022 | TWENTYMILE COAL COMPANY | GRAB | Total Dissolved Solids, Lab        | 3850      | mg/L                    | L76591-05 | 10/19/2022 |  |
| 62 | 10/12/2022 | TWENTYMILE COAL COMPANY | GRAB | Zinc, Potentially Dissolvable      | < 0.05    | mg/L                    | L76591-05 | 10/18/2022 |  |
| 62 | 10/19/2022 | TWENTYMILE COAL COMPANY | GRAB | Flow                               | 0.0029    | MILLION GALLONS PER DAY |           | 10/19/2022 |  |
| 62 | 10/19/2022 | TWENTYMILE COAL COMPANY | GRAB | Iron, Total Recoverable            | 0.297     | mg/L                    | L76749-04 | 10/26/2022 |  |
| 62 | 10/19/2022 | TWENTYMILE COAL COMPANY | GRAB | pH Temperature                     | 22.2      | Deg C                   | L76749-04 | 11/3/2022  |  |
| 62 | 10/19/2022 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                          | 7.9       | S.U.                    |           | 10/19/2022 |  |
| 62 | 10/19/2022 | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                            | 8.2       | S.U.                    | L76749-04 | 11/3/2022  |  |
| 62 | 10/19/2022 | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable                 | < 0.51    | mL/L                    | L76749-04 | 10/19/2022 |  |
| 62 | 10/19/2022 | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended            | < 20      | mg/L                    | L76749-04 | 10/26/2022 |  |
| 62 | 10/19/2022 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field       | 3410      | UMHOS/CM                |           | 10/19/2022 |  |
| 62 | 10/19/2022 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Lab         | 3840      | ums/cm                  | L76749-04 | 11/3/2022  |  |
| 62 | 10/19/2022 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field                 | 11.3      | Deg C                   |           | 10/19/2022 |  |
| 62 | 10/19/2022 | TWENTYMILE COAL COMPANY | GRAB | Total Dissolved Solids, Lab        | 3810      | mg/L                    | L76749-04 | 10/26/2022 |  |
| 62 | 10/26/2022 | TWENTYMILE COAL COMPANY | GRAB | Flow                               | 0.0029    | MILLION GALLONS PER DAY |           | 10/26/2022 |  |

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|----|------------|-------------------------|------|------------------------------------|-----------|-------------------------|-----------|------------|--|
| 62 | 10/26/2022 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                          | 7.9       | S.U.                    |           | 10/26/2022 |  |
| 62 | 10/26/2022 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field       | 3580      | UMHOS/CM                |           | 10/26/2022 |  |
| 62 | 10/26/2022 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field                 | 9         | Deg C                   |           | 10/26/2022 |  |
| 62 | 11/2/2022  | TWENTYMILE COAL COMPANY | GRAB | Flow                               | 0.005     | MILLION GALLONS PER DAY |           | 11/2/2022  |  |
| 62 | 11/2/2022  | TWENTYMILE COAL COMPANY | GRAB | Iron, Total Recoverable            | 6.97      | mg/L                    | L76988-05 | 11/9/2022  |  |
| 62 | 11/2/2022  | TWENTYMILE COAL COMPANY | GRAB | pH Temperature                     | 21.7      | Deg C                   | L76988-05 | 11/12/2022 |  |
| 62 | 11/2/2022  | TWENTYMILE COAL COMPANY | GRAB | pH, Field                          | 7.6       | S.U.                    |           | 11/2/2022  |  |
| 62 | 11/2/2022  | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                            | 8.2       | S.U.                    | L76988-05 | 11/12/2022 |  |
| 62 | 11/2/2022  | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable                 | < 0.5     | mL/L                    | L76988-05 | 11/2/2022  |  |
| 62 | 11/2/2022  | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended            | 9         | mg/L                    | L76988-05 | 11/9/2022  |  |
| 62 | 11/2/2022  | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field       | 3500      | UMHOS/CM                |           | 11/2/2022  |  |
| 62 | 11/2/2022  | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Lab         | 3840      | ums/cm                  | L76988-05 | 11/12/2022 |  |
| 62 | 11/2/2022  | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field                 | 8.8       | Deg C                   |           | 11/2/2022  |  |
| 62 | 11/2/2022  | TWENTYMILE COAL COMPANY | GRAB | Total Dissolved Solids, Lab        | 3570      | mg/L                    | L76988-05 | 11/8/2022  |  |
| 62 | 11/9/2022  | TWENTYMILE COAL COMPANY | GRAB | Arsenic, Total                     | < 0.002   | mg/L                    | L77122-05 | 11/22/2022 |  |
| 62 | 11/9/2022  | TWENTYMILE COAL COMPANY | GRAB | Cadmium, Potentially Dissolvable   | < 0.00025 | mg/L                    | L77122-05 | 11/15/2022 |  |
| 62 | 11/9/2022  | TWENTYMILE COAL COMPANY | GRAB | Chromium, Potentially Dissolvable  | < 0.002   | mg/L                    | L77122-05 | 11/15/2022 |  |
| 62 | 11/9/2022  | TWENTYMILE COAL COMPANY | GRAB | Copper, Potentially Dissolvable    | < 0.002   | mg/L                    | L77122-05 | 11/15/2022 |  |
| 62 | 11/9/2022  | TWENTYMILE COAL COMPANY | GRAB | Flow                               | 0.005     | MILLION GALLONS PER DAY |           | 11/9/2022  |  |
| 62 | 11/9/2022  | TWENTYMILE COAL COMPANY | GRAB | Iron, Total Recoverable            | < 0.3     | mg/L                    | L77122-05 | 11/30/2022 |  |
| 62 | 11/9/2022  | TWENTYMILE COAL COMPANY | GRAB | Lead, Potentially Dissolvable      | < 0.0005  | mg/L                    | L77122-05 | 11/15/2022 |  |
| 62 | 11/9/2022  | TWENTYMILE COAL COMPANY | GRAB | Manganese, Potentially Dissolvable | < 0.1     | mg/L                    | L77122-05 | 11/30/2022 |  |
| 62 | 11/9/2022  | TWENTYMILE COAL COMPANY | GRAB | Mercury, Total                     | < 0.001   | mg/L                    | L77122-05 | 11/11/2022 |  |
| 62 | 11/9/2022  | TWENTYMILE COAL COMPANY | GRAB | Nickel, Potentially Dissolvable    | < 0.08    | mg/L                    | L77122-05 | 11/30/2022 |  |
| 62 | 11/9/2022  | TWENTYMILE COAL COMPANY | GRAB | pH, Field                          | 7.9       | S.U.                    |           | 11/9/2022  |  |
| 62 | 11/9/2022  | TWENTYMILE COAL COMPANY | GRAB | Selenium, Potentially Dissolvable  | < 0.0005  | mg/L                    | L77122-05 | 11/17/2022 |  |
| 62 | 11/9/2022  | TWENTYMILE COAL COMPANY | GRAB | Silver, Potentially Dissolvable    | < 0.001   | mg/L                    | L77122-05 | 11/17/2022 |  |
| 62 | 11/9/2022  | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable                 | < 0.53    | mL/L                    | L77122-05 | 11/9/2022  |  |
| 62 | 11/9/2022  | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended            | < 20      | mg/L                    | L77122-05 | 11/16/2022 |  |
| 62 | 11/9/2022  | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field       | 3250      | UMHOS/CM                |           | 11/9/2022  |  |
| 62 | 11/9/2022  | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Lab         | 3560      | ums/cm                  | L77122-05 | 11/29/2022 |  |
| 62 | 11/9/2022  | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field                 | 9.4       | Deg C                   |           | 11/9/2022  |  |
| 62 | 11/9/2022  | TWENTYMILE COAL COMPANY | GRAB | Total Dissolved Solids, Lab        | 3470      | mg/L                    | L77122-05 | 11/15/2022 |  |
| 62 | 11/9/2022  | TWENTYMILE COAL COMPANY | GRAB | Zinc, Potentially Dissolvable      | < 0.1     | mg/L                    | L77122-05 | 11/30/2022 |  |
| 62 | 11/16/2022 | TWENTYMILE COAL COMPANY | GRAB | Flow                               | 0.005     | MILLION GALLONS PER DAY |           | 11/16/2022 |  |
| 62 | 11/16/2022 | TWENTYMILE COAL COMPANY | GRAB | Iron, Total Recoverable            | 0.944     | mg/L                    | L77259-05 | 12/2/2022  |  |

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|----|------------|-------------------------|------|-----------------------------------|-----------|-------------------------|-----------|------------|--|
| 62 | 11/16/2022 | TWENTYMILE COAL COMPANY | GRAB | pH Temperature                    | 20.2      | Deg C                   | L77259-05 | 11/29/2022 |  |
| 62 | 11/16/2022 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                         | 7.7       | S.U.                    |           | 11/16/2022 |  |
| 62 | 11/16/2022 | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                           | 8.3       | S.U.                    | L77259-05 | 11/29/2022 |  |
| 62 | 11/16/2022 | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable                | < 0.49    | mL/L                    | L77259-05 | 11/16/2022 |  |
| 62 | 11/16/2022 | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended           | 17        | mg/L                    | L77259-05 | 11/22/2022 |  |
| 62 | 11/16/2022 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field      | 4210      | UMHOS/CM                |           | 11/16/2022 |  |
| 62 | 11/16/2022 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Lab        | 4130      | ums/cm                  | L77259-05 | 11/29/2022 |  |
| 62 | 11/16/2022 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field                | 3.7       | Deg C                   |           | 11/16/2022 |  |
| 62 | 11/16/2022 | TWENTYMILE COAL COMPANY | GRAB | Total Dissolved Solids, Lab       | 4310      | mg/L                    | L77259-05 | 11/22/2022 |  |
| 62 | 11/22/2022 | TWENTYMILE COAL COMPANY | GRAB | Flow                              | 0.005     | MILLION GALLONS PER DAY |           | 11/22/2022 |  |
| 62 | 11/22/2022 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                         | 7.8       | S.U.                    |           | 11/22/2022 |  |
| 62 | 11/22/2022 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field      | 3310      | UMHOS/CM                |           | 11/22/2022 |  |
| 62 | 11/22/2022 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field                | 7.9       | Deg C                   |           | 11/22/2022 |  |
| 62 | 11/30/2022 | TWENTYMILE COAL COMPANY | GRAB | Flow                              | 0.005     | MILLION GALLONS PER DAY |           | 11/30/2022 |  |
| 62 | 11/30/2022 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                         | 7.8       | S.U.                    |           | 11/30/2022 |  |
| 62 | 11/30/2022 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field      | 3699      | UMHOS/CM                |           | 11/30/2022 |  |
| 62 | 11/30/2022 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field                | 5.3       | Deg C                   |           | 11/30/2022 |  |
| 62 | 12/7/2022  | TWENTYMILE COAL COMPANY | GRAB | Flow                              | 0.001     | MILLION GALLONS PER DAY |           | 12/7/2022  |  |
| 62 | 12/7/2022  | TWENTYMILE COAL COMPANY | GRAB | Iron, Total Recoverable           | 0.834     | mg/L                    | L77545-05 | 1/4/2023   |  |
| 62 | 12/7/2022  | TWENTYMILE COAL COMPANY | GRAB | pH Temperature                    | 21.9      | Deg C                   | L77545-05 | 12/30/2022 |  |
| 62 | 12/7/2022  | TWENTYMILE COAL COMPANY | GRAB | pH, Field                         | 7.7       | S.U.                    |           | 12/7/2022  |  |
| 62 | 12/7/2022  | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                           | 8.1       | S.U.                    | L77545-05 | 12/30/2022 |  |
| 62 | 12/7/2022  | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable                | < 0.51    | mL/L                    | L77545-05 | 12/7/2022  |  |
| 62 | 12/7/2022  | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended           | 13        | mg/L                    | L77545-05 | 12/14/2022 |  |
| 62 | 12/7/2022  | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field      | 3800      | UMHOS/CM                |           | 12/7/2022  |  |
| 62 | 12/7/2022  | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Lab        | 3930      | ums/cm                  | L77545-05 | 12/13/2022 |  |
| 62 | 12/7/2022  | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field                | 2.5       | Deg C                   |           | 12/7/2022  |  |
| 62 | 12/7/2022  | TWENTYMILE COAL COMPANY | GRAB | Total Dissolved Solids, Lab       | 3760      | mg/L                    | L77545-05 | 12/14/2022 |  |
| 62 | 12/14/2022 | TWENTYMILE COAL COMPANY | GRAB | Arsenic, Total                    | < 0.002   | mg/L                    | L77691-05 | 12/26/2022 |  |
| 62 | 12/14/2022 | TWENTYMILE COAL COMPANY | GRAB | Cadmium, Potentially Dissolvable  | < 0.00025 | mg/L                    | L77691-05 | 12/16/2022 |  |
| 62 | 12/14/2022 | TWENTYMILE COAL COMPANY | GRAB | Chromium, Potentially Dissolvable | < 0.002   | mg/L                    | L77691-05 | 12/16/2022 |  |
| 62 | 12/14/2022 | TWENTYMILE COAL COMPANY | GRAB | Copper, Potentially Dissolvable   | < 0.002   | mg/L                    | L77691-05 | 12/21/2022 |  |
| 62 | 12/14/2022 | TWENTYMILE COAL COMPANY | GRAB | Flow                              | 0.005     | MILLION GALLONS PER DAY |           | 12/14/2022 |  |
| 62 | 12/14/2022 | TWENTYMILE COAL COMPANY | GRAB | Iron, Total Recoverable           | 0.637     | mg/L                    | L77691-05 | 1/5/2023   |  |
| 62 | 12/14/2022 | TWENTYMILE COAL COMPANY | GRAB | Lead, Potentially Dissolvable     | < 0.0005  | mg/L                    | L77691-05 | 12/16/2022 |  |

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|----|------------|-------------------------|------|------------------------------------|----------|-------------------------|-----------|------------|--|
| 62 | 12/14/2022 | TWENTYMILE COAL COMPANY | GRAB | Manganese, Potentially Dissolvable | 0.146    | mg/L                    | L77691-05 | 12/22/2022 |  |
| 62 | 12/14/2022 | TWENTYMILE COAL COMPANY | GRAB | Mercury, Total                     | < 0.001  | mg/L                    | L77691-05 | 12/20/2022 |  |
| 62 | 12/14/2022 | TWENTYMILE COAL COMPANY | GRAB | Nickel, Potentially Dissolvable    | < 0.08   | mg/L                    | L77691-05 | 12/22/2022 |  |
| 62 | 12/14/2022 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                          | 7.6      | S.U.                    |           | 12/14/2022 |  |
| 62 | 12/14/2022 | TWENTYMILE COAL COMPANY | GRAB | Selenium, Potentially Dissolvable  | 0.00049  | mg/L                    | L77691-05 | 12/16/2022 |  |
| 62 | 12/14/2022 | TWENTYMILE COAL COMPANY | GRAB | Silver, Potentially Dissolvable    | < 0.0005 | mg/L                    | L77691-05 | 12/20/2022 |  |
| 62 | 12/14/2022 | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable                 | < 0.51   | mL/L                    | L77691-05 | 12/15/2022 |  |
| 62 | 12/14/2022 | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended            | 7        | mg/L                    | L77691-05 | 12/20/2022 |  |
| 62 | 12/14/2022 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field       | 3860     | UMHOS/CM                |           | 12/14/2022 |  |
| 62 | 12/14/2022 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Lab         | 3830     | ums/cm                  | L77691-05 | 12/21/2022 |  |
| 62 | 12/14/2022 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field                 | 1.8      | Deg C                   |           | 12/14/2022 |  |
| 62 | 12/14/2022 | TWENTYMILE COAL COMPANY | GRAB | Total Dissolved Solids, Lab        | 3900     | mg/L                    | L77691-05 | 12/21/2022 |  |
| 62 | 12/14/2022 | TWENTYMILE COAL COMPANY | GRAB | Zinc, Potentially Dissolvable      | < 0.1    | mg/L                    | L77691-05 | 1/5/2023   |  |
| 62 | 12/20/2022 | TWENTYMILE COAL COMPANY | GRAB | Flow                               | 0.001    | MILLION GALLONS PER DAY |           | 12/20/2022 |  |
| 62 | 12/20/2022 | TWENTYMILE COAL COMPANY | GRAB | Iron, Total Recoverable            | 0.917    | mg/L                    | L77806-04 | 1/10/2023  |  |
| 62 | 12/20/2022 | TWENTYMILE COAL COMPANY | GRAB | pH Temperature                     | 22.4     | Deg C                   | L77806-04 | 1/11/2023  |  |
| 62 | 12/20/2022 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                          | 7.1      | S.U.                    |           | 12/20/2022 |  |
| 62 | 12/20/2022 | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                            | 8        | S.U.                    | L77806-04 | 1/11/2023  |  |
| 62 | 12/20/2022 | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable                 | < 0.52   | mL/L                    | L77806-04 | 12/20/2022 |  |
| 62 | 12/20/2022 | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended            | 8        | mg/L                    | L77806-04 | 12/22/2022 |  |
| 62 | 12/20/2022 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field       | 3750     | UMHOS/CM                |           | 12/20/2022 |  |
| 62 | 12/20/2022 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Lab         | 3780     | ums/cm                  | L77806-04 | 1/11/2023  |  |
| 62 | 12/20/2022 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field                 | 3.3      | Deg C                   |           | 12/20/2022 |  |
| 62 | 12/20/2022 | TWENTYMILE COAL COMPANY | GRAB | Total Dissolved Solids, Lab        | 3870     | mg/L                    | L77806-04 | 12/27/2022 |  |
| 62 | 12/28/2022 | TWENTYMILE COAL COMPANY | GRAB | Flow                               | 0.001    | MILLION GALLONS PER DAY |           | 12/28/2022 |  |
| 62 | 12/28/2022 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                          | 7.3      | S.U.                    |           | 12/28/2022 |  |
| 62 | 12/28/2022 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field       | 3590     | UMHOS/CM                |           | 12/28/2022 |  |
| 62 | 12/28/2022 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Lab         | 3650     | ums/cm                  | L77924-06 | 1/11/2023  |  |
| 62 | 12/28/2022 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field                 | 4.7      | Deg C                   |           | 12/28/2022 |  |
| 62 | 12/28/2022 | TWENTYMILE COAL COMPANY | GRAB | Total Dissolved Solids, Lab        | 3710     | mg/L                    | L77924-06 | 12/28/2022 |  |
| 62 | 1/4/2023   | TWENTYMILE COAL COMPANY | GRAB | Flow                               | 0.005    | MILLION GALLONS PER DAY |           | 1/4/2023   |  |
| 62 | 1/4/2023   | TWENTYMILE COAL COMPANY | GRAB | Iron, Total Recoverable            | 0.538    | mg/L                    | L77986-05 | 1/21/2023  |  |
| 62 | 1/4/2023   | TWENTYMILE COAL COMPANY | GRAB | pH Temperature                     | 22.1     | Deg C                   | L77986-05 | 1/12/2023  |  |
| 62 | 1/4/2023   | TWENTYMILE COAL COMPANY | GRAB | pH, Field                          | 7.4      | S.U.                    |           | 1/4/2023   |  |
| 62 | 1/4/2023   | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                            | 8.1      | S.U.                    | L77986-05 | 1/12/2023  |  |
| 62 | 1/4/2023   | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable                 | < 0.53   | mL/L                    | L77986-05 | 1/4/2023   |  |

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|----|-----------|-------------------------|------|------------------------------------|-----------|-------------------------|-----------|-----------|--|
| 62 | 1/4/2023  | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended            | 10        | mg/L                    | L77986-05 | 1/11/2023 |  |
| 62 | 1/4/2023  | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field       | 3530      | UMHOS/CM                |           | 1/4/2023  |  |
| 62 | 1/4/2023  | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Lab         | 3580      | ums/cm                  | L77986-05 | 1/12/2023 |  |
| 62 | 1/4/2023  | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field                 | 3.7       | Deg C                   |           | 1/4/2023  |  |
| 62 | 1/4/2023  | TWENTYMILE COAL COMPANY | GRAB | Total Dissolved Solids, Lab        | 3660      | mg/L                    | L77986-05 | 1/10/2023 |  |
| 62 | 1/12/2023 | TWENTYMILE COAL COMPANY | GRAB | Arsenic, Total                     | 0.00024   | mg/L                    | L78189-07 | 1/23/2023 |  |
| 62 | 1/12/2023 | TWENTYMILE COAL COMPANY | GRAB | Cadmium, Potentially Dissolvable   | < 0.00025 | mg/L                    | L78189-07 | 1/20/2023 |  |
| 62 | 1/12/2023 | TWENTYMILE COAL COMPANY | GRAB | Chromium, Potentially Dissolvable  | < 0.002   | mg/L                    | L78189-07 | 1/19/2023 |  |
| 62 | 1/12/2023 | TWENTYMILE COAL COMPANY | GRAB | Copper, Potentially Dissolvable    | < 0.002   | mg/L                    | L78189-07 | 1/20/2023 |  |
| 62 | 1/12/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                               | 0.005     | MILLION GALLONS PER DAY |           | 1/12/2023 |  |
| 62 | 1/12/2023 | TWENTYMILE COAL COMPANY | GRAB | Iron, Total Recoverable            | 0.426     | mg/L                    | L78189-07 | 1/26/2023 |  |
| 62 | 1/12/2023 | TWENTYMILE COAL COMPANY | GRAB | Lead, Potentially Dissolvable      | < 0.0005  | mg/L                    | L78189-07 | 1/20/2023 |  |
| 62 | 1/12/2023 | TWENTYMILE COAL COMPANY | GRAB | Manganese, Potentially Dissolvable | 0.201     | mg/L                    | L78189-07 | 1/16/2023 |  |
| 62 | 1/12/2023 | TWENTYMILE COAL COMPANY | GRAB | Mercury, Total                     | < 0.001   | mg/L                    | L78189-07 | 1/17/2023 |  |
| 62 | 1/12/2023 | TWENTYMILE COAL COMPANY | GRAB | Nickel, Potentially Dissolvable    | < 0.04    | mg/L                    | L78189-07 | 1/16/2023 |  |
| 62 | 1/12/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                          | 7.4       | S.U.                    |           | 1/12/2023 |  |
| 62 | 1/12/2023 | TWENTYMILE COAL COMPANY | GRAB | Selenium, Potentially Dissolvable  | < 0.00025 | mg/L                    | L78189-07 | 1/19/2023 |  |
| 62 | 1/12/2023 | TWENTYMILE COAL COMPANY | GRAB | Silver, Potentially Dissolvable    | < 0.0005  | mg/L                    | L78189-07 | 1/20/2023 |  |
| 62 | 1/12/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable                 | < 0.5     | mL/L                    | L78189-07 | 1/12/2023 |  |
| 62 | 1/12/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended            | 7         | mg/L                    | L78189-07 | 1/18/2023 |  |
| 62 | 1/12/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field       | 3650      | UMHOS/CM                |           | 1/12/2023 |  |
| 62 | 1/12/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Lab         | 3660      | ums/cm                  | L78189-07 | 1/31/2023 |  |
| 62 | 1/12/2023 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field                 | 1         | Deg C                   |           | 1/12/2023 |  |
| 62 | 1/12/2023 | TWENTYMILE COAL COMPANY | GRAB | Total Dissolved Solids, Lab        | 3520      | mg/L                    | L78189-07 | 1/19/2023 |  |
| 62 | 1/12/2023 | TWENTYMILE COAL COMPANY | GRAB | Zinc, Potentially Dissolvable      | < 0.05    | mg/L                    | L78189-07 | 1/16/2023 |  |
| 62 | 1/18/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                               | 0.005     | MILLION GALLONS PER DAY |           | 1/18/2023 |  |
| 62 | 1/18/2023 |                         | GRAB | Iron, Total Recoverable            | 0.388     | mg/L                    | L78263-06 | 1/31/2023 |  |
| 62 | 1/18/2023 |                         | GRAB | pH Temperature                     | 21.9      | Deg C                   | L78263-06 | 1/24/2023 |  |
| 62 | 1/18/2023 |                         | GRAB | pH, Field                          | 7.4       | S.U.                    | L78263-06 | 1/18/2023 |  |
| 62 | 1/18/2023 |                         | GRAB | pH, Lab                            | 8.1       | S.U.                    | L78263-06 | 1/24/2023 |  |
| 62 | 1/18/2023 |                         | GRAB | Solids, Settleable                 | < 0.53    | mL/L                    | L78263-06 | 1/18/2023 |  |
| 62 | 1/18/2023 |                         | GRAB | Solids, Total Suspended            | < 20      | mg/L                    | L78263-06 | 1/25/2023 |  |
| 62 | 1/18/2023 |                         | GRAB | Specific Conductivity, Field       | 3440      | ums/cm                  | L78263-06 | 1/18/2023 |  |
| 62 | 1/18/2023 |                         | GRAB | Specific Conductivity, Lab         | 3670      | ums/cm                  | L78263-06 | 1/24/2023 |  |
| 62 | 1/18/2023 |                         | GRAB | Temperature, Field                 | 1.7       | Deg C                   | L78263-06 | 1/18/2023 |  |
| 62 | 1/18/2023 |                         | GRAB | Total Dissolved Solids, Lab        | 3550      | mg/L                    | L78263-06 | 1/25/2023 |  |

|    |           |                         |      |                                    |          |                         |           |           |  |
|----|-----------|-------------------------|------|------------------------------------|----------|-------------------------|-----------|-----------|--|
| 62 | 1/18/2023 |                         | GRAB | Specific Conductivity, Lab         | 3650     | ums/cm                  | L78263-07 | 1/24/2023 |  |
| 62 | 1/18/2023 |                         | GRAB | Total Dissolved Solids, Lab        | 3620     | mg/L                    | L78263-07 | 1/25/2023 |  |
| 62 | 1/25/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                               | 0.005    | MILLION GALLONS PER DAY |           | 1/25/2023 |  |
| 62 | 2/1/2023  | TWENTYMILE COAL COMPANY | GRAB | Flow                               | 0.005    | MILLION GALLONS PER DAY |           | 2/1/2023  |  |
| 62 | 2/1/2023  | TWENTYMILE COAL COMPANY | GRAB | Iron, Total Recoverable            | 0.537    | mg/L                    | L78453-05 | 2/16/2023 |  |
| 62 | 2/1/2023  | TWENTYMILE COAL COMPANY | GRAB | pH Temperature                     | 22.9     | Deg C                   | L78453-05 | 2/14/2023 |  |
| 62 | 2/1/2023  | TWENTYMILE COAL COMPANY | GRAB | pH, Field                          | 7.6      | S.U.                    | L78453-05 | 2/1/2023  |  |
| 62 | 2/1/2023  | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                            | 8        | S.U.                    | L78453-05 | 2/14/2023 |  |
| 62 | 2/1/2023  | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable                 | < 0.52   | mL/L                    | L78453-05 | 2/1/2023  |  |
| 62 | 2/1/2023  | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended            | 8        | mg/L                    | L78453-05 | 2/6/2023  |  |
| 62 | 2/1/2023  | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field       | 3460     | ums/cm                  | L78453-05 | 2/1/2023  |  |
| 62 | 2/1/2023  | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Lab         | 3710     | ums/cm                  | L78453-05 | 2/14/2023 |  |
| 62 | 2/1/2023  | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field                 | 2.6      | Deg C                   | L78453-05 | 2/1/2023  |  |
| 62 | 2/1/2023  | TWENTYMILE COAL COMPANY | GRAB | Total Dissolved Solids, Lab        | 3490     | mg/L                    | L78453-05 | 2/8/2023  |  |
| 62 | 2/8/2023  | TWENTYMILE COAL COMPANY | GRAB | Arsenic, Total                     | < 0.002  | mg/L                    | L78573-05 | 2/15/2023 |  |
| 62 | 2/8/2023  | TWENTYMILE COAL COMPANY | GRAB | Cadmium, Potentially Dissolvable   | < 0.0005 | mg/L                    | L78573-05 | 2/13/2023 |  |
| 62 | 2/8/2023  | TWENTYMILE COAL COMPANY | GRAB | Chromium, Potentially Dissolvable  | < 0.004  | mg/L                    | L78573-05 | 2/15/2023 |  |
| 62 | 2/8/2023  | TWENTYMILE COAL COMPANY | GRAB | Copper, Potentially Dissolvable    | < 0.004  | mg/L                    | L78573-05 | 2/15/2023 |  |
| 62 | 2/8/2023  | TWENTYMILE COAL COMPANY | GRAB | Flow                               | 0.005    | MILLION GALLONS PER DAY |           | 2/8/2023  |  |
| 62 | 2/8/2023  | TWENTYMILE COAL COMPANY | GRAB | Iron, Total Recoverable            | 0.337    | mg/L                    | L78573-05 | 2/16/2023 |  |
| 62 | 2/8/2023  | TWENTYMILE COAL COMPANY | GRAB | Lead, Potentially Dissolvable      | < 0.001  | mg/L                    | L78573-05 | 2/13/2023 |  |
| 62 | 2/8/2023  | TWENTYMILE COAL COMPANY | GRAB | Manganese, Potentially Dissolvable | 0.109    | mg/L                    | L78573-05 | 2/15/2023 |  |
| 62 | 2/8/2023  | TWENTYMILE COAL COMPANY | GRAB | Mercury, Total                     | < 0.001  | mg/L                    | L78573-05 | 2/13/2023 |  |
| 62 | 2/8/2023  | TWENTYMILE COAL COMPANY | GRAB | Nickel, Potentially Dissolvable    | < 0.08   | mg/L                    | L78573-05 | 2/13/2023 |  |
| 62 | 2/8/2023  | TWENTYMILE COAL COMPANY | GRAB | pH, Field                          | 7.8      | S.U.                    | L78573-05 | 2/8/2023  |  |
| 62 | 2/8/2023  | TWENTYMILE COAL COMPANY | GRAB | Selenium, Potentially Dissolvable  | 0.00024  | mg/L                    | L78573-05 | 2/13/2023 |  |
| 62 | 2/8/2023  | TWENTYMILE COAL COMPANY | GRAB | Silver, Potentially Dissolvable    | < 0.001  | mg/L                    | L78573-05 | 2/13/2023 |  |
| 62 | 2/8/2023  | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable                 | < 0.51   | mL/L                    | L78573-05 | 2/8/2023  |  |
| 62 | 2/8/2023  | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended            | < 20     | mg/L                    | L78573-05 | 2/15/2023 |  |
| 62 | 2/8/2023  | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field       | 3390     | ums/cm                  | L78573-05 | 2/8/2023  |  |
| 62 | 2/8/2023  | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Lab         | 3690     | ums/cm                  | L78573-05 | 2/15/2023 |  |
| 62 | 2/8/2023  | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field                 | 4        | Deg C                   | L78573-05 | 2/8/2023  |  |
| 62 | 2/8/2023  | TWENTYMILE COAL COMPANY | GRAB | Total Dissolved Solids, Lab        | 3660     | mg/L                    | L78573-05 | 2/15/2023 |  |
| 62 | 2/8/2023  | TWENTYMILE COAL COMPANY | GRAB | Zinc, Potentially Dissolvable      | < 0.1    | mg/L                    | L78573-05 | 2/13/2023 |  |
| 62 | 2/15/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                               | 0.005    | MILLION GALLONS PER DAY |           | 2/15/2023 |  |

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|----|-----------|-------------------------|------|------------------------------------|----------|-------------------------|-----------|-----------|--|
| 62 | 2/15/2023 | TWENTYMILE COAL COMPANY | GRAB | Iron, Total Recoverable            | 0.387    | mg/L                    | L78718-05 | 2/28/2023 |  |
| 62 | 2/15/2023 | TWENTYMILE COAL COMPANY | GRAB | pH Temperature                     | 22.4     | Deg C                   | L78718-05 | 3/10/2023 |  |
| 62 | 2/15/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                          | 7.7      | S.U.                    | L78718-05 | 2/15/2023 |  |
| 62 | 2/15/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                            | 8.1      | S.U.                    | L78718-05 | 3/10/2023 |  |
| 62 | 2/15/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable                 | < 0.5    | mL/L                    | L78718-05 | 2/15/2023 |  |
| 62 | 2/15/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended            | 5        | mg/L                    | L78718-05 | 2/22/2023 |  |
| 62 | 2/15/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field       | 3520     | ums/cm                  | L78718-05 | 2/15/2023 |  |
| 62 | 2/15/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Lab         | 3690     | ums/cm                  | L78718-05 | 3/2/2023  |  |
| 62 | 2/15/2023 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field                 | 2.2      | Deg C                   | L78718-05 | 2/15/2023 |  |
| 62 | 2/15/2023 | TWENTYMILE COAL COMPANY | GRAB | Total Dissolved Solids, Lab        | 3610     | mg/L                    | L78718-05 | 2/21/2023 |  |
| 62 | 2/21/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                               | 0.005    | MILLION GALLONS PER DAY |           | 2/21/2023 |  |
| 62 | 3/2/2023  | TWENTYMILE COAL COMPANY | GRAB | Flow                               | 0.002    | MILLION GALLONS PER DAY |           | 3/2/2023  |  |
| 62 | 3/2/2023  | TWENTYMILE COAL COMPANY | GRAB | Iron, Total Recoverable            | 0.22     | mg/L                    | L79040-04 | 3/14/2023 |  |
| 62 | 3/2/2023  | TWENTYMILE COAL COMPANY | GRAB | pH Temperature                     | 22.8     | Deg C                   | L79040-04 | 3/10/2023 |  |
| 62 | 3/2/2023  | TWENTYMILE COAL COMPANY | GRAB | pH, Field                          | 7.5      | S.U.                    | L79040-04 | 3/2/2023  |  |
| 62 | 3/2/2023  | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                            | 8.1      | S.U.                    | L79040-04 | 3/10/2023 |  |
| 62 | 3/2/2023  | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable                 | < 0.5    | mL/L                    | L79040-04 | 3/2/2023  |  |
| 62 | 3/2/2023  | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended            | 5        | mg/L                    | L79040-04 | 3/6/2023  |  |
| 62 | 3/2/2023  | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field       | 3330     | ums/cm                  | L79040-04 | 3/2/2023  |  |
| 62 | 3/2/2023  | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Lab         | 3700     | ums/cm                  | L79040-04 | 3/10/2023 |  |
| 62 | 3/2/2023  | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field                 | 4        | Deg C                   | L79040-04 | 3/2/2023  |  |
| 62 | 3/2/2023  | TWENTYMILE COAL COMPANY | GRAB | Total Dissolved Solids, Lab        | 3560     | mg/L                    | L79040-04 | 3/9/2023  |  |
| 62 | 3/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Arsenic, Total                     | < 0.002  | mg/L                    | L79099-04 | 3/13/2023 |  |
| 62 | 3/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Cadmium, Potentially Dissolvable   | < 0.0005 | mg/L                    | L79099-04 | 3/14/2023 |  |
| 62 | 3/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Chromium, Potentially Dissolvable  | < 0.004  | mg/L                    | L79099-04 | 3/14/2023 |  |
| 62 | 3/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Copper, Potentially Dissolvable    | < 0.004  | mg/L                    | L79099-04 | 3/14/2023 |  |
| 62 | 3/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Flow                               | 0.002    | MILLION GALLONS PER DAY |           | 3/7/2023  |  |
| 62 | 3/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Iron, Total Recoverable            | 0.27     | mg/L                    | L79099-04 | 3/22/2023 |  |
| 62 | 3/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Lead, Potentially Dissolvable      | < 0.001  | mg/L                    | L79099-04 | 3/14/2023 |  |
| 62 | 3/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Manganese, Potentially Dissolvable | 0.07     | mg/L                    | L79099-04 | 3/15/2023 |  |
| 62 | 3/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Mercury, Total                     | < 0.001  | mg/L                    | L79099-04 | 3/15/2023 |  |
| 62 | 3/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Nickel, Potentially Dissolvable    | < 0.08   | mg/L                    | L79099-04 | 3/15/2023 |  |
| 62 | 3/7/2023  | TWENTYMILE COAL COMPANY | GRAB | pH, Field                          | 7.6      | S.U.                    | L79099-04 | 3/7/2023  |  |
| 62 | 3/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Selenium, Potentially Dissolvable  | < 0.0005 | mg/L                    | L79099-04 | 3/14/2023 |  |
| 62 | 3/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Silver, Potentially Dissolvable    | < 0.001  | mg/L                    | L79099-04 | 3/14/2023 |  |
| 62 | 3/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable                 | < 0.52   | mL/L                    | L79099-04 | 3/7/2023  |  |



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|----|-----------|-------------------------|------|-----------------------------------|-----------|-------------------------|-----------|-----------|--|
| 62 | 3/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended           | 5         | mg/L                    | L79099-04 | 3/14/2023 |  |
| 62 | 3/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field      | 3470      | ums/cm                  | L79099-04 | 3/7/2023  |  |
| 62 | 3/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Lab        | 3670      | ums/cm                  | L79099-04 | 3/11/2023 |  |
| 62 | 3/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field                | 4.2       | Deg C                   | L79099-04 | 3/7/2023  |  |
| 62 | 3/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Total Dissolved Solids, Lab       | 3540      | mg/L                    | L79099-04 | 3/14/2023 |  |
| 62 | 3/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Zinc, Potentially Dissolvable     | < 0.1     | mg/L                    | L79099-04 | 3/15/2023 |  |
| 62 | 3/15/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                              | 0.002     | MILLION GALLONS PER DAY |           | 3/15/2023 |  |
| 62 | 3/15/2023 | TWENTYMILE COAL COMPANY | GRAB | Iron, Total Recoverable           | 0.257     | mg/L                    | L79258-04 | 3/28/2023 |  |
| 62 | 3/15/2023 | TWENTYMILE COAL COMPANY | GRAB | pH Temperature                    | 21.8      | Deg C                   | L79258-04 | 3/21/2023 |  |
| 62 | 3/15/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                         | 7.5       | S.U.                    | L79258-04 | 3/15/2023 |  |
| 62 | 3/15/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                           | 8.1       | S.U.                    | L79258-04 | 3/21/2023 |  |
| 62 | 3/15/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable                | < 0.51    | mL/L                    | L79258-04 | 3/15/2023 |  |
| 62 | 3/15/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended           | 6         | mg/L                    | L79258-04 | 3/22/2023 |  |
| 62 | 3/15/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field      | 3490      | ums/cm                  | L79258-04 | 3/15/2023 |  |
| 62 | 3/15/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Lab        | 3460      | ums/cm                  | L79258-04 | 3/21/2023 |  |
| 62 | 3/15/2023 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field                | 5         | Deg C                   | L79258-04 | 3/15/2023 |  |
| 62 | 3/15/2023 | TWENTYMILE COAL COMPANY | GRAB | Total Dissolved Solids, Lab       | 3310      | mg/L                    | L79258-04 | 3/22/2023 |  |
| 62 | 3/22/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                              | 0.004     | MILLION GALLONS PER DAY |           | 3/22/2023 |  |
| 62 | 3/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                              | 0.004     | MILLION GALLONS PER DAY |           | 3/29/2023 |  |
| 62 | 4/5/2023  | TWENTYMILE COAL COMPANY | GRAB | Flow                              | 0.004     | MILLION GALLONS PER DAY |           | 4/5/2023  |  |
| 62 | 4/5/2023  | TWENTYMILE COAL COMPANY | GRAB | Iron, Total Recoverable           | 0.979     | mg/L                    | L79638-04 | 4/14/2023 |  |
| 62 | 4/5/2023  | TWENTYMILE COAL COMPANY | GRAB | pH Temperature                    | 21.6      | Deg C                   | L79638-04 | 4/13/2023 |  |
| 62 | 4/5/2023  | TWENTYMILE COAL COMPANY | GRAB | pH, Field                         | 7.8       | S.U.                    | L79638-04 | 4/5/2023  |  |
| 62 | 4/5/2023  | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                           | 7.9       | S.U.                    | L79638-04 | 4/13/2023 |  |
| 62 | 4/5/2023  | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable                | < 0.49    | mL/L                    | L79638-04 | 4/5/2023  |  |
| 62 | 4/5/2023  | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended           | 6         | mg/L                    | L79638-04 | 4/12/2023 |  |
| 62 | 4/5/2023  | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field      | 3090      | ums/cm                  | L79638-04 | 4/5/2023  |  |
| 62 | 4/5/2023  | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Lab        | 3400      | ums/cm                  | L79638-04 | 4/13/2023 |  |
| 62 | 4/5/2023  | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field                | 7         | Deg C                   | L79638-04 | 4/5/2023  |  |
| 62 | 4/5/2023  | TWENTYMILE COAL COMPANY | GRAB | Total Dissolved Solids, Lab       | 3270      | mg/L                    | L79638-04 | 4/11/2023 |  |
| 62 | 4/12/2023 | TWENTYMILE COAL COMPANY | GRAB | Arsenic, Total                    | 0.00021   | mg/L                    | L79816-04 | 4/20/2023 |  |
| 62 | 4/12/2023 | TWENTYMILE COAL COMPANY | GRAB | Cadmium, Potentially Dissolvable  | < 0.00025 | mg/L                    | L79816-04 | 4/17/2023 |  |
| 62 | 4/12/2023 | TWENTYMILE COAL COMPANY | GRAB | Chromium, Potentially Dissolvable | < 0.002   | mg/L                    | L79816-04 | 4/17/2023 |  |
| 62 | 4/12/2023 | TWENTYMILE COAL COMPANY | GRAB | Copper, Potentially Dissolvable   | < 0.002   | mg/L                    | L79816-04 | 4/17/2023 |  |
| 62 | 4/12/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                              | 0.005     | MILLION GALLONS PER DAY |           | 4/12/2023 |  |

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|----|-----------|-------------------------|------|------------------------------------|----------|-------------------------|-----------|-----------|--|
| 62 | 4/12/2023 | TWENTYMILE COAL COMPANY | GRAB | Iron, Total Recoverable            | 0.405    | mg/L                    | L79816-04 | 4/25/2023 |  |
| 62 | 4/12/2023 | TWENTYMILE COAL COMPANY | GRAB | Lead, Potentially Dissolvable      | < 0.0005 | mg/L                    | L79816-04 | 4/17/2023 |  |
| 62 | 4/12/2023 | TWENTYMILE COAL COMPANY | GRAB | Manganese, Potentially Dissolvable | 0.458    | mg/L                    | L79816-04 | 4/21/2023 |  |
| 62 | 4/12/2023 | TWENTYMILE COAL COMPANY | GRAB | Mercury, Total                     | < 0.001  | mg/L                    | L79816-04 | 4/20/2023 |  |
| 62 | 4/12/2023 | TWENTYMILE COAL COMPANY | GRAB | Nickel, Potentially Dissolvable    | < 0.04   | mg/L                    | L79816-04 | 4/21/2023 |  |
| 62 | 4/12/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                          | 7.6      | S.U.                    | L79816-04 | 4/12/2023 |  |
| 62 | 4/12/2023 | TWENTYMILE COAL COMPANY | GRAB | Selenium, Potentially Dissolvable  | < 0.0005 | mg/L                    | L79816-04 | 4/24/2023 |  |
| 62 | 4/12/2023 | TWENTYMILE COAL COMPANY | GRAB | Silver, Potentially Dissolvable    | < 0.0005 | mg/L                    | L79816-04 | 4/17/2023 |  |
| 62 | 4/12/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable                 | < 0.52   | mL/L                    | L79816-04 | 4/12/2023 |  |
| 62 | 4/12/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended            | < 20     | mg/L                    | L79816-04 | 4/18/2023 |  |
| 62 | 4/12/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field       | 2540     | ums/cm                  | L79816-04 | 4/12/2023 |  |
| 62 | 4/12/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Lab         | 2670     | ums/cm                  | L79816-04 | 4/20/2023 |  |
| 62 | 4/12/2023 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field                 | 7.3      | Deg C                   | L79816-04 | 4/12/2023 |  |
| 62 | 4/12/2023 | TWENTYMILE COAL COMPANY | GRAB | Total Dissolved Solids, Lab        | 2410     | mg/L                    | L79816-04 | 4/18/2023 |  |
| 62 | 4/12/2023 | TWENTYMILE COAL COMPANY | GRAB | Zinc, Potentially Dissolvable      | < 0.05   | mg/L                    | L79816-04 | 4/21/2023 |  |
| 62 | 4/18/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                               | 0.078    | MILLION GALLONS PER DAY |           | 4/18/2023 |  |
| 62 | 4/18/2023 | TWENTYMILE COAL COMPANY | GRAB | Iron, Total Recoverable            | 0.298    | mg/L                    | L79932-08 | 5/2/2023  |  |
| 62 | 4/18/2023 | TWENTYMILE COAL COMPANY | GRAB | pH Temperature                     | 21.9     | Deg C                   | L79932-08 | 5/15/2023 |  |
| 62 | 4/18/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                          | 7.7      | S.U.                    | L79932-08 | 4/18/2023 |  |
| 62 | 4/18/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                            | 8.1      | S.U.                    | L79932-08 | 5/15/2023 |  |
| 62 | 4/18/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable                 | < 0.52   | mL/L                    | L79932-08 | 4/18/2023 |  |
| 62 | 4/18/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended            | 6        | mg/L                    | L79932-08 | 4/24/2023 |  |
| 62 | 4/18/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field       | 1660     | ums/cm                  | L79932-08 | 4/18/2023 |  |
| 62 | 4/18/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Lab         | 1820     | ums/cm                  | L79932-08 | 5/15/2023 |  |
| 62 | 4/18/2023 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field                 | 5.8      | Deg C                   | L79932-08 | 4/18/2023 |  |
| 62 | 4/18/2023 | TWENTYMILE COAL COMPANY | GRAB | Total Dissolved Solids, Lab        | 1500     | mg/L                    | L79932-08 | 4/25/2023 |  |
| 62 | 4/26/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                               | 0.078    | MILLION GALLONS PER DAY |           | 4/26/2023 |  |
| 62 | 5/4/2023  | TWENTYMILE COAL COMPANY | GRAB | Flow                               | 0.049    | MILLION GALLONS PER DAY |           | 5/4/2023  |  |
| 62 | 5/4/2023  | TWENTYMILE COAL COMPANY | GRAB | Iron, Total Recoverable            | 0.147    | mg/L                    | L80247-07 | 5/16/2023 |  |
| 62 | 5/4/2023  | TWENTYMILE COAL COMPANY | GRAB | pH Temperature                     | 21.9     | Deg C                   | L80247-07 | 5/19/2023 |  |
| 62 | 5/4/2023  | TWENTYMILE COAL COMPANY | GRAB | pH, Field                          | 7.7      | S.U.                    | L80247-07 | 5/4/2023  |  |
| 62 | 5/4/2023  | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                            | 8.2      | S.U.                    | L80247-07 | 5/19/2023 |  |
| 62 | 5/4/2023  | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable                 | < 0.52   | mL/L                    | L80247-07 | 5/4/2023  |  |
| 62 | 5/4/2023  | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended            | < 20     | mg/L                    | L80247-07 | 5/10/2023 |  |
| 62 | 5/4/2023  | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field       | 3170     | ums/cm                  | L80247-07 | 5/4/2023  |  |
| 62 | 5/4/2023  | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Lab         | 3430     | ums/cm                  | L80247-07 | 5/19/2023 |  |

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|----|-----------|-------------------------|------|------------------------------------|----------|-------------------------|-----------|-----------|--|
| 62 | 5/4/2023  | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field                 | 12.1     | Deg C                   | L80247-07 | 5/4/2023  |  |
| 62 | 5/4/2023  | TWENTYMILE COAL COMPANY | GRAB | Total Dissolved Solids, Lab        | 3320     | mg/L                    | L80247-07 | 5/11/2023 |  |
| 62 | 5/10/2023 | TWENTYMILE COAL COMPANY | GRAB | Arsenic, Total                     | < 0.002  | mg/L                    | L80395-06 | 5/26/2023 |  |
| 62 | 5/10/2023 | TWENTYMILE COAL COMPANY | GRAB | Cadmium, Potentially Dissolvable   | < 0.0005 | mg/L                    | L80395-06 | 5/22/2023 |  |
| 62 | 5/10/2023 | TWENTYMILE COAL COMPANY | GRAB | Chromium, Potentially Dissolvable  | < 0.004  | mg/L                    | L80395-06 | 5/22/2023 |  |
| 62 | 5/10/2023 | TWENTYMILE COAL COMPANY | GRAB | Copper, Potentially Dissolvable    | < 0.004  | mg/L                    | L80395-06 | 5/22/2023 |  |
| 62 | 5/10/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                               | 0.049    | MILLION GALLONS PER DAY |           | 5/10/2023 |  |
| 62 | 5/10/2023 | TWENTYMILE COAL COMPANY | GRAB | Iron, Total Recoverable            | 0.205    | mg/L                    | L80395-06 | 5/18/2023 |  |
| 62 | 5/10/2023 | TWENTYMILE COAL COMPANY | GRAB | Lead, Potentially Dissolvable      | < 0.001  | mg/L                    | L80395-06 | 5/22/2023 |  |
| 62 | 5/10/2023 | TWENTYMILE COAL COMPANY | GRAB | Manganese, Potentially Dissolvable | 0.127    | mg/L                    | L80395-06 | 5/22/2023 |  |
| 62 | 5/10/2023 | TWENTYMILE COAL COMPANY | GRAB | Mercury, Total                     | < 0.001  | mg/L                    | L80395-06 | 5/16/2023 |  |
| 62 | 5/10/2023 | TWENTYMILE COAL COMPANY | GRAB | Nickel, Potentially Dissolvable    | < 0.08   | mg/L                    | L80395-06 | 5/22/2023 |  |
| 62 | 5/10/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                          | 7.8      | S.U.                    | L80395-06 | 5/10/2023 |  |
| 62 | 5/10/2023 | TWENTYMILE COAL COMPANY | GRAB | Selenium, Potentially Dissolvable  | < 0.0005 | mg/L                    | L80395-06 | 5/22/2023 |  |
| 62 | 5/10/2023 | TWENTYMILE COAL COMPANY | GRAB | Silver, Potentially Dissolvable    | < 0.001  | mg/L                    | L80395-06 | 5/25/2023 |  |
| 62 | 5/10/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable                 | < 0.5    | mL/L                    | L80395-06 | 5/10/2023 |  |
| 62 | 5/10/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended            | 9        | mg/L                    | L80395-06 | 5/17/2023 |  |
| 62 | 5/10/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field       | 3190     | ums/cm                  | L80395-06 | 5/10/2023 |  |
| 62 | 5/10/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Lab         | 3630     | ums/cm                  | L80395-06 | 5/20/2023 |  |
| 62 | 5/10/2023 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field                 | 14.6     | Deg C                   | L80395-06 | 5/10/2023 |  |
| 62 | 5/10/2023 | TWENTYMILE COAL COMPANY | GRAB | Total Dissolved Solids, Lab        | 3600     | mg/L                    | L80395-06 | 5/16/2023 |  |
| 62 | 5/10/2023 | TWENTYMILE COAL COMPANY | GRAB | Zinc, Potentially Dissolvable      | < 0.1    | mg/L                    | L80395-06 | 5/22/2023 |  |
| 62 | 5/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                               | 0.049    | MILLION GALLONS PER DAY |           | 5/17/2023 |  |
| 62 | 5/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Iron, Total Recoverable            | 0.298    | mg/L                    | L80529-06 | 5/23/2023 |  |
| 62 | 5/17/2023 | TWENTYMILE COAL COMPANY | GRAB | pH Temperature                     | 21.5     | Deg C                   | L80529-06 | 5/24/2023 |  |
| 62 | 5/17/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                          | 7.9      | S.U.                    | 80529-06  | 5/17/2023 |  |
| 62 | 5/17/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                            | 8.2      | S.U.                    | L80529-06 | 5/24/2023 |  |
| 62 | 5/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable                 | < 0.52   | mL/L                    | L80529-06 | 5/17/2023 |  |
| 62 | 5/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended            | 8        | mg/L                    | L80529-06 | 5/23/2023 |  |
| 62 | 5/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field       | 3290     | ums/cm                  | 80529-06  | 5/17/2023 |  |
| 62 | 5/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Lab         | 3670     | ums/cm                  | L80529-06 | 5/24/2023 |  |
| 62 | 5/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field                 | 16.3     | Deg C                   | 80529-06  | 5/17/2023 |  |
| 62 | 5/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Total Dissolved Solids, Lab        | 3700     | mg/L                    | L80529-06 | 5/23/2023 |  |
| 62 | 5/24/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                               | 0.049    | MILLION GALLONS PER DAY |           | 5/24/2023 |  |
| 62 | 5/31/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                               | 0.055    | MILLION GALLONS PER DAY |           | 5/31/2023 |  |

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| 62 | 6/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Flow                               | 0.049    | MILLION GALLONS PER DAY |           | 6/7/2023  |  |
| 62 | 6/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Iron, Total Recoverable            | < 0.3    | mg/L                    | L80911-06 | 6/13/2023 |  |
| 62 | 6/7/2023  | TWENTYMILE COAL COMPANY | GRAB | pH Temperature                     | 21.9     | Deg C                   | L80911-06 | 6/16/2023 |  |
| 62 | 6/7/2023  | TWENTYMILE COAL COMPANY | GRAB | pH, Field                          | 7.7      | S.U.                    | L80911-06 | 6/7/2023  |  |
| 62 | 6/7/2023  | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                            | 8.2      | S.U.                    | L80911-06 | 6/16/2023 |  |
| 62 | 6/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable                 | < 0.5    | mL/L                    | L80911-06 | 6/7/2023  |  |
| 62 | 6/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended            | 10       | mg/L                    | L80911-06 | 6/14/2023 |  |
| 62 | 6/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field       | 3520     | ums/cm                  | L80911-06 | 6/7/2023  |  |
| 62 | 6/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Lab         | 3750     | ums/cm                  | L80911-06 | 6/16/2023 |  |
| 62 | 6/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field                 | 20.4     | Deg C                   | L80911-06 | 6/7/2023  |  |
| 62 | 6/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Total Dissolved Solids, Lab        | 3820     | mg/L                    | L80911-06 | 6/13/2023 |  |
| 62 | 6/14/2023 | TWENTYMILE COAL COMPANY | GRAB | Arsenic, Total                     | 0.0006   | mg/L                    | L81103-04 | 6/21/2023 |  |
| 62 | 6/14/2023 | TWENTYMILE COAL COMPANY | GRAB | Cadmium, Potentially Dissolvable   | < 0.0005 | mg/L                    | L81103-04 | 6/21/2023 |  |
| 62 | 6/14/2023 | TWENTYMILE COAL COMPANY | GRAB | Chromium, Potentially Dissolvable  | < 0.004  | mg/L                    | L81103-04 | 6/21/2023 |  |
| 62 | 6/14/2023 | TWENTYMILE COAL COMPANY | GRAB | Copper, Potentially Dissolvable    | < 0.004  | mg/L                    | L81103-04 | 6/21/2023 |  |
| 62 | 6/14/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                               | 0.036    | MILLION GALLONS PER DAY |           | 6/14/2023 |  |
| 62 | 6/14/2023 | TWENTYMILE COAL COMPANY | GRAB | Iron, Total Recoverable            | 0.132    | mg/L                    | L81103-04 | 6/21/2023 |  |
| 62 | 6/14/2023 | TWENTYMILE COAL COMPANY | GRAB | Lead, Potentially Dissolvable      | < 0.001  | mg/L                    | L81103-04 | 6/21/2023 |  |
| 62 | 6/14/2023 | TWENTYMILE COAL COMPANY | GRAB | Manganese, Potentially Dissolvable | 0.045    | mg/L                    | L81103-04 | 6/22/2023 |  |
| 62 | 6/14/2023 | TWENTYMILE COAL COMPANY | GRAB | Mercury, Total                     | < 0.001  | mg/L                    | L81103-04 | 6/19/2023 |  |
| 62 | 6/14/2023 | TWENTYMILE COAL COMPANY | GRAB | Nickel, Potentially Dissolvable    | < 0.08   | mg/L                    | L81103-04 | 6/22/2023 |  |
| 62 | 6/14/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                          | 7.7      | S.U.                    | L81103-04 | 6/14/2023 |  |
| 62 | 6/14/2023 | TWENTYMILE COAL COMPANY | GRAB | Selenium, Potentially Dissolvable  | < 0.0005 | mg/L                    | L81103-04 | 6/21/2023 |  |
| 62 | 6/14/2023 | TWENTYMILE COAL COMPANY | GRAB | Silver, Potentially Dissolvable    | < 0.001  | mg/L                    | L81103-04 | 6/21/2023 |  |
| 62 | 6/14/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable                 | < 0.5    | mL/L                    | L81103-04 | 6/14/2023 |  |
| 62 | 6/14/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended            | 9        | mg/L                    | L81103-04 | 6/21/2023 |  |
| 62 | 6/14/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field       | 3330     | ums/cm                  | L81103-04 | 6/14/2023 |  |
| 62 | 6/14/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Lab         | 3810     | ums/cm                  | L81103-04 | 6/23/2023 |  |
| 62 | 6/14/2023 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field                 | 19.8     | Deg C                   | L81103-04 | 6/14/2023 |  |
| 62 | 6/14/2023 | TWENTYMILE COAL COMPANY | GRAB | Total Dissolved Solids, Lab        | 3760     | mg/L                    | L81103-04 | 6/20/2023 |  |
| 62 | 6/14/2023 | TWENTYMILE COAL COMPANY | GRAB | Zinc, Potentially Dissolvable      | < 0.1    | mg/L                    | L81103-04 | 6/22/2023 |  |
| 62 | 6/21/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                               | 0.01     | MILLION GALLONS PER DAY |           | 6/21/2023 |  |
| 62 | 6/21/2023 | TWENTYMILE COAL COMPANY | GRAB | Iron, Total Recoverable            | 0.284    | mg/L                    | L81281-04 | 6/30/2023 |  |
| 62 | 6/21/2023 | TWENTYMILE COAL COMPANY | GRAB | pH Temperature                     | 22.6     | Deg C                   | L81281-04 | 7/13/2023 |  |
| 62 | 6/21/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                          | 7.7      | S.U.                    | L81281-04 | 6/21/2023 |  |
| 62 | 6/21/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                            | 8.19     | S.U.                    | L81281-04 | 7/13/2023 |  |

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| 62 | 6/21/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable                 | < 0.49   | mL/L                    | L81281-04 | 6/21/2023 |  |
| 62 | 6/21/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended            | 11       | mg/L                    | L81281-04 | 6/27/2023 |  |
| 62 | 6/21/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field       | 3860     | ums/cm                  | L81281-04 | 6/21/2023 |  |
| 62 | 6/21/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Lab         | 3880     | ums/cm                  | L81281-04 | 6/30/2023 |  |
| 62 | 6/21/2023 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field                 | 19.5     | Deg C                   | L81281-04 | 6/21/2023 |  |
| 62 | 6/21/2023 | TWENTYMILE COAL COMPANY | GRAB | Total Dissolved Solids, Lab        | 3900     | mg/L                    | L81281-04 | 6/27/2023 |  |
| 62 | 6/27/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                               | 0.01     | MILLION GALLONS PER DAY |           | 6/27/2023 |  |
| 62 | 7/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Flow                               | 0.028    | MILLION GALLONS PER DAY |           | 7/6/2023  |  |
| 62 | 7/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Iron, Total Recoverable            | 1.06     | mg/L                    | L81523-03 | 7/14/2023 |  |
| 62 | 7/6/2023  | TWENTYMILE COAL COMPANY | GRAB | pH Temperature                     | 22.1     | Deg C                   | L81523-03 | 7/13/2023 |  |
| 62 | 7/6/2023  | TWENTYMILE COAL COMPANY | GRAB | pH, Field                          | 8.1      | S.U.                    | L81523-03 | 7/6/2023  |  |
| 62 | 7/6/2023  | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                            | 8.2      | S.U.                    | L81523-03 | 7/13/2023 |  |
| 62 | 7/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable                 | < 0.5    | mL/L                    | L81523-03 | 7/6/2023  |  |
| 62 | 7/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended            | 30       | mg/L                    | L81523-03 | 7/12/2023 |  |
| 62 | 7/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field       | 3640     | ums/cm                  | L81523-03 | 7/6/2023  |  |
| 62 | 7/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Lab         | 3890     | ums/cm                  | L81523-03 | 7/13/2023 |  |
| 62 | 7/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field                 | 20       | Deg C                   | L81523-03 | 7/6/2023  |  |
| 62 | 7/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Total Dissolved Solids, Lab        | 3990     | mg/L                    | L81523-03 | 7/12/2023 |  |
| 62 | 7/13/2023 | TWENTYMILE COAL COMPANY | GRAB | Arsenic, Total                     | 0.00041  | mg/L                    | L81718-03 | 7/20/2023 |  |
| 62 | 7/13/2023 | TWENTYMILE COAL COMPANY | GRAB | Cadmium, Potentially Dissolvable   | < 0.0005 | mg/L                    | L81718-03 | 7/17/2023 |  |
| 62 | 7/13/2023 | TWENTYMILE COAL COMPANY | GRAB | Chromium, Potentially Dissolvable  | < 0.004  | mg/L                    | L81718-03 | 7/17/2023 |  |
| 62 | 7/13/2023 | TWENTYMILE COAL COMPANY | GRAB | Copper, Potentially Dissolvable    | < 0.004  | mg/L                    | L81718-03 | 7/17/2023 |  |
| 62 | 7/13/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                               | 0.005    | MILLION GALLONS PER DAY |           | 7/13/2023 |  |
| 62 | 7/13/2023 | TWENTYMILE COAL COMPANY | GRAB | Iron, Total Recoverable            | 0.734    | mg/L                    | L81718-03 | 7/21/2023 |  |
| 62 | 7/13/2023 | TWENTYMILE COAL COMPANY | GRAB | Lead, Potentially Dissolvable      | < 0.001  | mg/L                    | L81718-03 | 7/17/2023 |  |
| 62 | 7/13/2023 | TWENTYMILE COAL COMPANY | GRAB | Manganese, Potentially Dissolvable | 0.18     | mg/L                    | L81718-03 | 7/19/2023 |  |
| 62 | 7/13/2023 | TWENTYMILE COAL COMPANY | GRAB | Mercury, Total                     | < 0.001  | mg/L                    | L81718-03 | 7/28/2023 |  |
| 62 | 7/13/2023 | TWENTYMILE COAL COMPANY | GRAB | Nickel, Potentially Dissolvable    | < 0.08   | mg/L                    | L81718-03 | 7/19/2023 |  |
| 62 | 7/13/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                          | 7.9      | S.U.                    | L81718-03 | 7/13/2023 |  |
| 62 | 7/13/2023 | TWENTYMILE COAL COMPANY | GRAB | Selenium, Potentially Dissolvable  | < 0.0005 | mg/L                    | L81718-03 | 7/17/2023 |  |
| 62 | 7/13/2023 | TWENTYMILE COAL COMPANY | GRAB | Silver, Potentially Dissolvable    | < 0.001  | mg/L                    | L81718-03 | 7/17/2023 |  |
| 62 | 7/13/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable                 | < 0.5    | mL/L                    | L81718-03 | 7/13/2023 |  |
| 62 | 7/13/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended            | 20       | mg/L                    | L81718-03 | 7/28/2023 |  |
| 62 | 7/13/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field       | 3490     | ums/cm                  | L81718-03 | 7/13/2023 |  |
| 62 | 7/13/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Lab         | 3900     | ums/cm                  | L81718-03 | 7/26/2023 |  |
| 62 | 7/13/2023 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field                 | 25       | Deg C                   | L81718-03 | 7/13/2023 |  |

|    |           |                         |      |                                    |          |                         |           |           |  |
|----|-----------|-------------------------|------|------------------------------------|----------|-------------------------|-----------|-----------|--|
| 62 | 7/13/2023 | TWENTYMILE COAL COMPANY | GRAB | Total Dissolved Solids, Lab        | 4180     | mg/L                    | L81718-03 | 7/28/2023 |  |
| 62 | 7/13/2023 | TWENTYMILE COAL COMPANY | GRAB | Zinc, Potentially Dissolvable      | < 0.1    | mg/L                    | L81718-03 | 7/19/2023 |  |
| 62 | 7/20/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                               | 0.005    | MILLION GALLONS PER DAY |           | 7/20/2023 |  |
| 62 | 7/20/2023 | TWENTYMILE COAL COMPANY | GRAB | Iron, Total Recoverable            | 1.01     | mg/L                    | L81869-03 | 8/1/2023  |  |
| 62 | 7/20/2023 | TWENTYMILE COAL COMPANY | GRAB | pH Temperature                     | 23.3     | Deg C                   | L81869-03 | 8/1/2023  |  |
| 62 | 7/20/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                          | 7.8      | S.U.                    | L81869-03 | 7/20/2023 |  |
| 62 | 7/20/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                            | 7.9      | S.U.                    | L81869-03 | 8/1/2023  |  |
| 62 | 7/20/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable                 | 0.31     | mL/L                    | L81869-03 | 7/20/2023 |  |
| 62 | 7/20/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended            | 27       | mg/L                    | L81869-03 | 7/26/2023 |  |
| 62 | 7/20/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field       | 3740     | ums/cm                  | L81869-03 | 7/20/2023 |  |
| 62 | 7/20/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Lab         | 3850     | ums/cm                  | L81869-03 | 8/4/2023  |  |
| 62 | 7/20/2023 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field                 | 22.3     | Deg C                   | L81869-03 | 7/20/2023 |  |
| 62 | 7/20/2023 | TWENTYMILE COAL COMPANY | GRAB | Total Dissolved Solids, Lab        | 4000     | mg/L                    | L81869-03 | 8/10/2023 |  |
| 62 | 7/25/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                               | 0.005    | MILLION GALLONS PER DAY |           | 7/25/2023 |  |
| 62 | 8/3/2023  | TWENTYMILE COAL COMPANY | GRAB | Flow                               | 0.005    | MILLION GALLONS PER DAY |           | 8/3/2023  |  |
| 62 | 8/3/2023  | TWENTYMILE COAL COMPANY | GRAB | Iron, Total Recoverable            | 0.772    | mg/L                    | L82241-04 | 8/10/2023 |  |
| 62 | 8/3/2023  | TWENTYMILE COAL COMPANY | GRAB | pH Temperature                     | 23.8     | Deg C                   | L82241-04 | 7/20/1908 |  |
| 62 | 8/3/2023  | TWENTYMILE COAL COMPANY | GRAB | pH Temperature                     | 23.8     | Deg C                   | L82241-04 | 8/7/2023  |  |
| 62 | 8/3/2023  | TWENTYMILE COAL COMPANY | GRAB | pH, Field                          | 7.8      | S.U.                    | L82241-04 | 8/3/2023  |  |
| 62 | 8/3/2023  | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                            | 8        | S.U.                    | L82241-04 | 8/7/2023  |  |
| 62 | 8/3/2023  | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                            | 8        | S.U.                    | L82241-04 | 7/20/1908 |  |
| 62 | 8/3/2023  | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable                 | < 0.48   | mL/L                    | L82241-04 | 8/3/2023  |  |
| 62 | 8/3/2023  | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended            | 11       | mg/L                    | L82241-04 | 8/10/2023 |  |
| 62 | 8/3/2023  | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field       | 3760     | ums/cm                  | L82241-04 | 8/3/2023  |  |
| 62 | 8/3/2023  | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Lab         | 3810     | ums/cm                  | L82241-04 | 8/10/2023 |  |
| 62 | 8/3/2023  | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field                 | 23       | Deg C                   | L82241-04 | 8/3/2023  |  |
| 62 | 8/3/2023  | TWENTYMILE COAL COMPANY | GRAB | Total Dissolved Solids, Lab        | 3820     | mg/L                    | L82241-04 | 8/9/2023  |  |
| 62 | 8/9/2023  | TWENTYMILE COAL COMPANY | GRAB | Arsenic, Total                     | < 0.002  | mg/L                    | L82343-03 | 8/16/2023 |  |
| 62 | 8/9/2023  | TWENTYMILE COAL COMPANY | GRAB | Cadmium, Potentially Dissolvable   | < 0.0005 | mg/L                    | L82343-03 | 8/15/2023 |  |
| 62 | 8/9/2023  | TWENTYMILE COAL COMPANY | GRAB | Chromium, Potentially Dissolvable  | < 0.004  | mg/L                    | L82343-03 | 8/15/2023 |  |
| 62 | 8/9/2023  | TWENTYMILE COAL COMPANY | GRAB | Copper, Potentially Dissolvable    | < 0.004  | mg/L                    | L82343-03 | 8/15/2023 |  |
| 62 | 8/9/2023  | TWENTYMILE COAL COMPANY | GRAB | Flow                               | 0.014    | MILLION GALLONS PER DAY |           | 8/9/2023  |  |
| 62 | 8/9/2023  | TWENTYMILE COAL COMPANY | GRAB | Iron, Total Recoverable            | 0.307    | mg/L                    | L82343-03 | 8/16/2023 |  |
| 62 | 8/9/2023  | TWENTYMILE COAL COMPANY | GRAB | Lead, Potentially Dissolvable      | < 0.001  | mg/L                    | L82343-03 | 8/15/2023 |  |
| 62 | 8/9/2023  | TWENTYMILE COAL COMPANY | GRAB | Manganese, Potentially Dissolvable | < 0.25   | mg/L                    | L82343-03 | 8/22/2023 |  |

|    |           |                         |      |                                   |         |                         |           |           |  |
|----|-----------|-------------------------|------|-----------------------------------|---------|-------------------------|-----------|-----------|--|
| 62 | 8/9/2023  | TWENTYMILE COAL COMPANY | GRAB | Mercury, Total                    | < 0.001 | mg/L                    | L82343-03 | 8/15/2023 |  |
| 62 | 8/9/2023  | TWENTYMILE COAL COMPANY | GRAB | Nickel, Potentially Dissolvable   | < 0.2   | mg/L                    | L82343-03 | 8/22/2023 |  |
| 62 | 8/9/2023  | TWENTYMILE COAL COMPANY | GRAB | pH, Field                         | 8       | S.U.                    | L82343-03 | 8/9/2023  |  |
| 62 | 8/9/2023  | TWENTYMILE COAL COMPANY | GRAB | Selenium, Potentially Dissolvable | 0.00046 | mg/L                    | L82343-03 | 8/15/2023 |  |
| 62 | 8/9/2023  | TWENTYMILE COAL COMPANY | GRAB | Silver, Potentially Dissolvable   | < 0.001 | mg/L                    | L82343-03 | 8/15/2023 |  |
| 62 | 8/9/2023  | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable                | < 0.51  | mL/L                    | L82343-03 | 8/9/2023  |  |
| 62 | 8/9/2023  | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended           | 13      | mg/L                    | L82343-03 | 8/15/2023 |  |
| 62 | 8/9/2023  | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field      | 3510    | ums/cm                  | L82343-03 | 8/9/2023  |  |
| 62 | 8/9/2023  | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Lab        | 3900    | ums/cm                  | L82343-03 | 8/17/2023 |  |
| 62 | 8/9/2023  | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field                | 21.4    | Deg C                   | L82343-03 | 8/9/2023  |  |
| 62 | 8/9/2023  | TWENTYMILE COAL COMPANY | GRAB | Total Dissolved Solids, Lab       | 3900    | mg/L                    | L82343-03 | 8/23/2023 |  |
| 62 | 8/9/2023  | TWENTYMILE COAL COMPANY | GRAB | Zinc, Potentially Dissolvable     | < 0.25  | mg/L                    | L82343-03 | 8/22/2023 |  |
| 62 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                              | 0.014   | MILLION GALLONS PER DAY |           | 8/16/2023 |  |
| 62 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Iron, Total Recoverable           | 0.503   | mg/L                    | L82506-03 | 8/24/2023 |  |
| 62 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | pH Temperature                    | 21.1    | Deg C                   | L82506-03 | 8/17/2023 |  |
| 62 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                         | 7.8     | S.U.                    | L82506-03 | 8/16/2023 |  |
| 62 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                           | 8.1     | S.U.                    | L82506-03 | 8/17/2023 |  |
| 62 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable                | < 0.51  | mL/L                    | L82506-03 | 8/16/2023 |  |
| 62 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended           | 19      | mg/L                    | L82506-03 | 8/23/2023 |  |
| 62 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field      | 3360    | ums/cm                  | L82506-03 | 8/16/2023 |  |
| 62 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Lab        | 3970    | ums/cm                  | L82506-03 | 8/17/2023 |  |
| 62 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field                | 24.2    | Deg C                   | L82506-03 | 8/16/2023 |  |
| 62 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Total Dissolved Solids, Lab       | 3860    | mg/L                    | L82506-03 | 8/22/2023 |  |
| 62 | 8/23/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                              | 0.005   | MILLION GALLONS PER DAY |           | 8/23/2023 |  |
| 62 | 8/30/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                              | 0.005   | MILLION GALLONS PER DAY |           | 8/30/2023 |  |
| 62 | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Flow                              | 0.005   | MILLION GALLONS PER DAY |           | 9/6/2023  |  |
| 62 | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Iron, Total Recoverable           | 0.266   | mg/L                    | L82934-03 | 9/15/2023 |  |
| 62 | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | pH Temperature                    | 22.9    | Deg C                   | L82934-03 | 9/9/2023  |  |
| 62 | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | pH, Field                         | 7.8     | S.U.                    | L82934-03 | 9/6/2023  |  |
| 62 | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                           | 8.1     | S.U.                    | L82934-03 | 9/9/2023  |  |
| 62 | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable                | < 0.51  | mL/L                    | L82934-03 | 9/7/2023  |  |
| 62 | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended           | 9       | mg/L                    | L82934-03 | 9/13/2023 |  |
| 62 | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field      | 3340    | ums/cm                  | L82934-03 | 9/6/2023  |  |
| 62 | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Lab        | 3760    | ums/cm                  | L82934-03 | 9/26/2023 |  |
| 62 | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field                | 21.5    | Deg C                   | L82934-03 | 9/6/2023  |  |

|    |           |                         |      |                                    |          |                         |           |            |  |
|----|-----------|-------------------------|------|------------------------------------|----------|-------------------------|-----------|------------|--|
| 62 | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Total Dissolved Solids, Lab        | 3670     | mg/L                    | L82934-03 | 9/13/2023  |  |
| 62 | 9/12/2023 | TWENTYMILE COAL COMPANY | GRAB | Arsenic, Total                     | < 0.01   | mg/L                    | L83060-03 | 9/21/2023  |  |
| 62 | 9/12/2023 | TWENTYMILE COAL COMPANY | GRAB | Cadmium, Potentially Dissolvable   | < 0.0005 | mg/L                    | L83060-03 | 9/18/2023  |  |
| 62 | 9/12/2023 | TWENTYMILE COAL COMPANY | GRAB | Chromium, Potentially Dissolvable  | 0.00114  | mg/L                    | L83060-03 | 9/19/2023  |  |
| 62 | 9/12/2023 | TWENTYMILE COAL COMPANY | GRAB | Copper, Potentially Dissolvable    | < 0.004  | mg/L                    | L83060-03 | 9/19/2023  |  |
| 62 | 9/12/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                               | 0.005    | MILLION GALLONS PER DAY |           | 9/12/2023  |  |
| 62 | 9/12/2023 | TWENTYMILE COAL COMPANY | GRAB | Iron, Total Recoverable            | 0.644    | mg/L                    | L83060-03 | 9/25/2023  |  |
| 62 | 9/12/2023 | TWENTYMILE COAL COMPANY | GRAB | Lead, Potentially Dissolvable      | < 0.001  | mg/L                    | L83060-03 | 9/18/2023  |  |
| 62 | 9/12/2023 | TWENTYMILE COAL COMPANY | GRAB | Manganese, Potentially Dissolvable | 0.046    | mg/L                    | L83060-03 | 9/21/2023  |  |
| 62 | 9/12/2023 | TWENTYMILE COAL COMPANY | GRAB | Mercury, Total                     | < 0.001  | mg/L                    | L83060-03 | 9/19/2023  |  |
| 62 | 9/12/2023 | TWENTYMILE COAL COMPANY | GRAB | Nickel, Potentially Dissolvable    | < 0.08   | mg/L                    | L83060-03 | 9/21/2023  |  |
| 62 | 9/12/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                          | 7.9      | S.U.                    | L83060-03 | 9/12/2023  |  |
| 62 | 9/12/2023 | TWENTYMILE COAL COMPANY | GRAB | Selenium, Potentially Dissolvable  | < 0.0005 | mg/L                    | L83060-03 | 9/18/2023  |  |
| 62 | 9/12/2023 | TWENTYMILE COAL COMPANY | GRAB | Silver, Potentially Dissolvable    | < 0.001  | mg/L                    | L83060-03 | 9/18/2023  |  |
| 62 | 9/12/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable                 | < 0.5    | mL/L                    | L83060-03 | 9/12/2023  |  |
| 62 | 9/12/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended            | 15       | mg/L                    | L83060-03 | 9/28/2023  |  |
| 62 | 9/12/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field       | 3550     | ums/cm                  | L83060-03 | 9/12/2023  |  |
| 62 | 9/12/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Lab         | 3870     | ums/cm                  | L83060-03 | 9/26/2023  |  |
| 62 | 9/12/2023 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field                 | 17.4     | Deg C                   | L83060-03 | 9/12/2023  |  |
| 62 | 9/12/2023 | TWENTYMILE COAL COMPANY | GRAB | Total Dissolved Solids, Lab        | 3820     | mg/L                    | L83060-03 | 9/19/2023  |  |
| 62 | 9/12/2023 | TWENTYMILE COAL COMPANY | GRAB | Zinc, Potentially Dissolvable      | < 0.1    | mg/L                    | L83060-03 | 9/21/2023  |  |
| 62 | 9/20/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                               | 0.014    | MILLION GALLONS PER DAY |           | 9/20/2023  |  |
| 62 | 9/20/2023 | TWENTYMILE COAL COMPANY | GRAB | Iron, Total Recoverable            | 0.107    | mg/L                    | L83254-03 | 9/29/2023  |  |
| 62 | 9/20/2023 | TWENTYMILE COAL COMPANY | GRAB | pH Temperature                     | 23.4     | Deg C                   | L83254-03 | 9/29/2023  |  |
| 62 | 9/20/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                          | 8.1      | S.U.                    | L83254-03 | 9/20/2023  |  |
| 62 | 9/20/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                            | 8        | S.U.                    | L83254-03 | 9/29/2023  |  |
| 62 | 9/20/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable                 | < 0.5    | mL/L                    | L83254-03 | 9/20/2023  |  |
| 62 | 9/20/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended            | 9        | mg/L                    | L83254-03 | 9/26/2023  |  |
| 62 | 9/20/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field       | 3700     | ums/cm                  | L83254-03 | 9/20/2023  |  |
| 62 | 9/20/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Lab         | 3900     | ums/cm                  | L83254-03 | 9/29/2023  |  |
| 62 | 9/20/2023 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field                 | 13.5     | Deg C                   | L83254-03 | 9/20/2023  |  |
| 62 | 9/20/2023 | TWENTYMILE COAL COMPANY | GRAB | Total Dissolved Solids, Lab        | 3810     | mg/L                    | L83254-03 | 9/25/2023  |  |
| 62 | 9/27/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                               | 0.005    | MILLION GALLONS PER DAY |           | 9/27/2023  |  |
| 63 | 10/5/2022 | TWENTYMILE COAL COMPANY | GRAB | Flow                               | 0.0062   | MILLION GALLONS PER DAY |           | 10/5/2022  |  |
| 63 | 10/5/2022 | TWENTYMILE COAL COMPANY | GRAB | Iron, Total                        | 1.33     | mg/L                    | L76391-01 | 10/14/2022 |  |



|    |            |                         |      |                              |        |                         |           |            |  |
|----|------------|-------------------------|------|------------------------------|--------|-------------------------|-----------|------------|--|
| 63 | 10/5/2022  | TWENTYMILE COAL COMPANY | GRAB | pH Temperature               | 20.7   | Deg C                   | L76391-01 | 10/6/2022  |  |
| 63 | 10/5/2022  | TWENTYMILE COAL COMPANY | GRAB | pH, Field                    | 8.3    | S.U.                    |           | 10/5/2022  |  |
| 63 | 10/5/2022  | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                      | 8.4    | S.U.                    | L76391-01 | 10/6/2022  |  |
| 63 | 10/5/2022  | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable           | < 0.52 | mL/L                    | L76391-01 | 10/5/2022  |  |
| 63 | 10/5/2022  | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended      | 21     | mg/L                    | L76391-01 | 10/12/2022 |  |
| 63 | 10/5/2022  | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field | 4310   | UMHOS/CM                |           | 10/5/2022  |  |
| 63 | 10/5/2022  | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field           | 12.4   | Deg C                   |           | 10/5/2022  |  |
| 63 | 10/12/2022 | TWENTYMILE COAL COMPANY | GRAB | Flow                         | 0.0062 | MILLION GALLONS PER DAY |           | 10/12/2022 |  |
| 63 | 10/12/2022 | TWENTYMILE COAL COMPANY | GRAB | Iron, Total                  | 0.807  | mg/L                    | L76591-01 | 10/24/2022 |  |
| 63 | 10/12/2022 | TWENTYMILE COAL COMPANY | GRAB | pH Temperature               | 19.5   | Deg C                   | L76591-01 | 10/19/2022 |  |
| 63 | 10/12/2022 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                    | 8.5    | S.U.                    |           | 10/12/2022 |  |
| 63 | 10/12/2022 | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                      | 8.4    | S.U.                    | L76591-01 | 10/19/2022 |  |
| 63 | 10/12/2022 | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable           | < 0.49 | mL/L                    | L76591-01 | 10/12/2022 |  |
| 63 | 10/12/2022 | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended      | 21     | mg/L                    | L76591-01 | 10/17/2022 |  |
| 63 | 10/12/2022 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field | 4310   | UMHOS/CM                |           | 10/12/2022 |  |
| 63 | 10/12/2022 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field           | 13.8   | Deg C                   |           | 10/12/2022 |  |
| 63 | 10/19/2022 | TWENTYMILE COAL COMPANY | GRAB | Flow                         | 0.0128 | MILLION GALLONS PER DAY |           | 10/19/2022 |  |
| 63 | 10/19/2022 | TWENTYMILE COAL COMPANY | GRAB | Iron, Total                  | 0.534  | mg/L                    | L76749-01 | 10/28/2022 |  |
| 63 | 10/19/2022 | TWENTYMILE COAL COMPANY | GRAB | pH Temperature               | 22.2   | Deg C                   | L76749-01 | 11/3/2022  |  |
| 63 | 10/19/2022 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                    | 8.4    | S.U.                    |           | 10/19/2022 |  |
| 63 | 10/19/2022 | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                      | 8.3    | S.U.                    | L76749-01 | 11/3/2022  |  |
| 63 | 10/19/2022 | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable           | < 0.52 | mL/L                    | L76749-01 | 10/19/2022 |  |
| 63 | 10/19/2022 | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended      | 15     | mg/L                    | L76749-01 | 10/25/2022 |  |
| 63 | 10/19/2022 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field | 4180   | UMHOS/CM                |           | 10/19/2022 |  |
| 63 | 10/19/2022 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field           | 12.2   | Deg C                   |           | 10/19/2022 |  |
| 63 | 10/26/2022 | TWENTYMILE COAL COMPANY | GRAB | Flow                         | 0.0529 | MILLION GALLONS PER DAY |           | 10/26/2022 |  |
| 63 | 10/26/2022 | TWENTYMILE COAL COMPANY | GRAB | Iron, Total                  | 0.712  | mg/L                    | L76883-01 | 11/5/2022  |  |
| 63 | 10/26/2022 | TWENTYMILE COAL COMPANY | GRAB | pH Temperature               | 22.8   | Deg C                   | L76883-01 | 11/4/2022  |  |
| 63 | 10/26/2022 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                    | 7      | S.U.                    |           | 10/26/2022 |  |
| 63 | 10/26/2022 | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                      | 8.1    | S.U.                    | L76883-01 | 11/4/2022  |  |
| 63 | 10/26/2022 | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable           | 0.1    | mL/L                    | L76883-01 | 10/26/2022 |  |
| 63 | 10/26/2022 | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended      | 33     | mg/L                    | L76883-01 | 11/1/2022  |  |
| 63 | 10/26/2022 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field | 4330   | UMHOS/CM                |           | 10/26/2022 |  |
| 63 | 10/26/2022 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field           | 10     | Deg C                   |           | 10/26/2022 |  |
| 63 | 11/2/2022  | TWENTYMILE COAL COMPANY | GRAB | Flow                         | 0.339  | MILLION GALLONS PER DAY |           | 11/2/2022  |  |

|    |            |                         |      |                              |        |                         |           |            |  |
|----|------------|-------------------------|------|------------------------------|--------|-------------------------|-----------|------------|--|
| 63 | 11/2/2022  | TWENTYMILE COAL COMPANY | GRAB | Iron, Total                  | 0.637  | mg/L                    | L76988-01 | 11/15/2022 |  |
| 63 | 11/2/2022  | TWENTYMILE COAL COMPANY | GRAB | pH Temperature               | 21.9   | Deg C                   | L76988-01 | 11/12/2022 |  |
| 63 | 11/2/2022  | TWENTYMILE COAL COMPANY | GRAB | pH, Field                    | 8.3    | S.U.                    |           | 11/2/2022  |  |
| 63 | 11/2/2022  | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                      | 8.3    | S.U.                    | L76988-01 | 11/12/2022 |  |
| 63 | 11/2/2022  | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable           | < 0.51 | mL/L                    | L76988-01 | 11/2/2022  |  |
| 63 | 11/2/2022  | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended      | 31     | mg/L                    | L76988-01 | 11/9/2022  |  |
| 63 | 11/2/2022  | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field | 4060   | UMHOS/CM                |           | 11/2/2022  |  |
| 63 | 11/2/2022  | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field           | 10.5   | Deg C                   |           | 11/2/2022  |  |
| 63 | 11/9/2022  | TWENTYMILE COAL COMPANY | GRAB | Flow                         | 0.0339 | MILLION GALLONS PER DAY |           | 11/9/2022  |  |
| 63 | 11/9/2022  | TWENTYMILE COAL COMPANY | GRAB | Iron, Total                  | 0.535  | mg/L                    | L77122-01 | 11/17/2022 |  |
| 63 | 11/9/2022  | TWENTYMILE COAL COMPANY | GRAB | pH Temperature               | 22.1   | Deg C                   | L77122-01 | 11/29/2022 |  |
| 63 | 11/9/2022  | TWENTYMILE COAL COMPANY | GRAB | pH, Field                    | 8.3    | S.U.                    |           | 11/9/2022  |  |
| 63 | 11/9/2022  | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                      | 8.3    | S.U.                    | L77122-01 | 11/29/2022 |  |
| 63 | 11/9/2022  | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable           | < 0.51 | mL/L                    | L77122-01 | 11/9/2022  |  |
| 63 | 11/9/2022  | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended      | 31     | mg/L                    | L77122-01 | 11/16/2022 |  |
| 63 | 11/9/2022  | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field | 3880   | UMHOS/CM                |           | 11/9/2022  |  |
| 63 | 11/9/2022  | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field           | 9.5    | Deg C                   |           | 11/9/2022  |  |
| 63 | 11/16/2022 | TWENTYMILE COAL COMPANY | GRAB | Flow                         | 0.0748 | MILLION GALLONS PER DAY |           | 11/16/2022 |  |
| 63 | 11/16/2022 | TWENTYMILE COAL COMPANY | GRAB | Iron, Total                  | 0.269  | mg/L                    | L77259-01 | 11/30/2022 |  |
| 63 | 11/16/2022 | TWENTYMILE COAL COMPANY | GRAB | pH Temperature               | 20.6   | Deg C                   | L77259-01 | 11/29/2022 |  |
| 63 | 11/16/2022 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                    | 8.5    | S.U.                    |           | 11/16/2022 |  |
| 63 | 11/16/2022 | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                      | 8.4    | S.U.                    | L77259-01 | 11/29/2022 |  |
| 63 | 11/16/2022 | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable           | < 0.5  | mL/L                    | L77259-01 | 11/16/2022 |  |
| 63 | 11/16/2022 | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended      | 13     | mg/L                    | L77259-01 | 11/22/2022 |  |
| 63 | 11/16/2022 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field | 3790   | UMHOS/CM                |           | 11/16/2022 |  |
| 63 | 11/16/2022 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field           | 9.8    | Deg C                   |           | 11/16/2022 |  |
| 63 | 11/22/2022 | TWENTYMILE COAL COMPANY | GRAB | Flow                         | 0.07   | MILLION GALLONS PER DAY |           | 11/22/2022 |  |
| 63 | 11/22/2022 | TWENTYMILE COAL COMPANY | GRAB | Iron, Total                  | 0.187  | mg/L                    | L77377-01 | 12/16/2022 |  |
| 63 | 11/22/2022 | TWENTYMILE COAL COMPANY | GRAB | pH Temperature               | 21.4   | Deg C                   | L77377-01 | 12/3/2022  |  |
| 63 | 11/22/2022 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                    | 8.2    | S.U.                    |           | 11/22/2022 |  |
| 63 | 11/22/2022 | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                      | 8.2    | S.U.                    | L77377-01 | 12/3/2022  |  |
| 63 | 11/22/2022 | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable           | < 0.49 | mL/L                    | L77377-01 | 11/22/2022 |  |
| 63 | 11/22/2022 | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended      | 31     | mg/L                    | L77377-01 | 11/29/2022 |  |
| 63 | 11/22/2022 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field | 3950   | UMHOS/CM                |           | 11/22/2022 |  |
| 63 | 11/22/2022 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field           | 8.1    | Deg C                   |           | 11/22/2022 |  |

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|----|------------|-------------------------|------|------------------------------|--------|-------------------------|-----------|------------|--|
| 63 | 11/30/2022 | TWENTYMILE COAL COMPANY | GRAB | Flow                         | 0.099  | MILLION GALLONS PER DAY |           | 11/30/2022 |  |
| 63 | 11/30/2022 | TWENTYMILE COAL COMPANY | GRAB | Iron, Total                  | 0.202  | mg/L                    | L77440-01 | 12/8/2022  |  |
| 63 | 11/30/2022 | TWENTYMILE COAL COMPANY | GRAB | pH Temperature               | 22.3   | Deg C                   | L77440-01 | 12/13/2022 |  |
| 63 | 11/30/2022 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                    | 8.1    | S.U.                    |           | 11/30/2022 |  |
| 63 | 11/30/2022 | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                      | 8.3    | S.U.                    | L77440-01 | 12/13/2022 |  |
| 63 | 11/30/2022 | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable           | < 0.51 | mL/L                    | L77440-01 | 11/30/2022 |  |
| 63 | 11/30/2022 | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended      | 9      | mg/L                    | L77440-01 | 12/6/2022  |  |
| 63 | 11/30/2022 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field | 4150   | UMHOS/CM                |           | 11/30/2022 |  |
| 63 | 11/30/2022 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field           | 9.2    | Deg C                   |           | 11/30/2022 |  |
| 63 | 12/7/2022  | TWENTYMILE COAL COMPANY | GRAB | Flow                         | 0.053  | MILLION GALLONS PER DAY |           | 12/7/2022  |  |
| 63 | 12/7/2022  | TWENTYMILE COAL COMPANY | GRAB | Iron, Total                  | 0.36   | mg/L                    | L77545-01 | 12/31/2022 |  |
| 63 | 12/7/2022  | TWENTYMILE COAL COMPANY | GRAB | pH Temperature               | 22     | Deg C                   | L77545-01 | 12/30/2022 |  |
| 63 | 12/7/2022  | TWENTYMILE COAL COMPANY | GRAB | pH, Field                    | 8.4    | S.U.                    |           | 12/7/2022  |  |
| 63 | 12/7/2022  | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                      | 8.1    | S.U.                    | L77545-01 | 12/30/2022 |  |
| 63 | 12/7/2022  | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable           | < 0.5  | mL/L                    | L77545-01 | 12/7/2022  |  |
| 63 | 12/7/2022  | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended      | 25     | mg/L                    | L77545-01 | 12/14/2022 |  |
| 63 | 12/7/2022  | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field | 3700   | UMHOS/CM                |           | 12/7/2022  |  |
| 63 | 12/7/2022  | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field           | 4      | Deg C                   |           | 12/7/2022  |  |
| 63 | 12/14/2022 | TWENTYMILE COAL COMPANY | GRAB | Flow                         | 0.053  | MILLION GALLONS PER DAY |           | 12/14/2022 |  |
| 63 | 12/14/2022 | TWENTYMILE COAL COMPANY | GRAB | Iron, Total                  | 0.319  | mg/L                    | L77691-01 | 1/11/2023  |  |
| 63 | 12/14/2022 | TWENTYMILE COAL COMPANY | GRAB | pH Temperature               | 22.4   | Deg C                   | L77691-01 | 12/21/2022 |  |
| 63 | 12/14/2022 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                    | 8.3    | S.U.                    |           | 12/14/2022 |  |
| 63 | 12/14/2022 | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                      | 8.4    | S.U.                    | L77691-01 | 12/21/2022 |  |
| 63 | 12/14/2022 | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable           | < 0.51 | mL/L                    | L77691-01 | 12/15/2022 |  |
| 63 | 12/14/2022 | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended      | 25     | mg/L                    | L77691-01 | 12/20/2022 |  |
| 63 | 12/14/2022 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field | 4100   | UMHOS/CM                |           | 12/14/2022 |  |
| 63 | 12/14/2022 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field           | 7.5    | Deg C                   |           | 12/14/2022 |  |
| 63 | 12/20/2022 | TWENTYMILE COAL COMPANY | GRAB | Flow                         | 0.034  | MILLION GALLONS PER DAY |           | 12/20/2022 |  |
| 63 | 12/20/2022 | TWENTYMILE COAL COMPANY | GRAB | Iron, Total                  | 0.35   | mg/L                    | L77806-01 | 1/13/2023  |  |
| 63 | 12/20/2022 | TWENTYMILE COAL COMPANY | GRAB | pH Temperature               | 22.6   | Deg C                   | L77806-01 | 1/11/2023  |  |
| 63 | 12/20/2022 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                    | 8.2    | S.U.                    |           | 12/20/2022 |  |
| 63 | 12/20/2022 | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                      | 8.1    | S.U.                    | L77806-01 | 1/11/2023  |  |
| 63 | 12/20/2022 | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable           | < 0.51 | mL/L                    | L77806-01 | 12/20/2022 |  |
| 63 | 12/20/2022 | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended      | 25     | mg/L                    | L77806-01 | 12/22/2022 |  |
| 63 | 12/20/2022 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field | 4140   | UMHOS/CM                |           | 12/20/2022 |  |

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| 63 | 12/20/2022 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field           | 4.5    | Deg C                   |           | 12/20/2022 |  |
| 63 | 12/28/2022 | TWENTYMILE COAL COMPANY | GRAB | Flow                         | 0.061  | MILLION GALLONS PER DAY |           | 12/28/2022 |  |
| 63 | 12/28/2022 |                         | GRAB | Iron, Total                  | 0.217  | mg/L                    | L77924-01 | 1/20/2023  |  |
| 63 | 12/28/2022 |                         | GRAB | pH Temperature               | 22.4   | Deg C                   | L77924-01 | 1/11/2023  |  |
| 63 | 12/28/2022 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                    | 8.1    | S.U.                    |           | 12/28/2022 |  |
| 63 | 12/28/2022 |                         | GRAB | pH, Lab                      | 8.2    | S.U.                    | L77924-01 | 1/11/2023  |  |
| 63 | 12/28/2022 |                         | GRAB | Solids, Settleable           | < 0.51 | mL/L                    | L77924-01 | 12/28/2022 |  |
| 63 | 12/28/2022 |                         | GRAB | Solids, Total Suspended      | 18     | mg/L                    | L77924-01 | 1/4/2023   |  |
| 63 | 12/28/2022 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field | 4360   | UMHOS/CM                |           | 12/28/2022 |  |
| 63 | 12/28/2022 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field           | 6.5    | Deg C                   |           | 12/28/2022 |  |
| 63 | 12/28/2022 |                         | GRAB | Specific Conductivity, Lab   | 4420   | ums/cm                  | L77924-02 | 1/11/2023  |  |
| 63 | 12/28/2022 |                         | GRAB | Total Dissolved Solids, Lab  | 3390   | mg/L                    | L77924-02 | 12/28/2022 |  |
| 63 | 1/4/2023   | TWENTYMILE COAL COMPANY | GRAB | Flow                         | 0.053  | MILLION GALLONS PER DAY |           | 1/4/2023   |  |
| 63 | 1/4/2023   | TWENTYMILE COAL COMPANY | GRAB | Iron, Total                  | 0.127  | mg/L                    | L77986-01 | 1/20/2023  |  |
| 63 | 1/4/2023   | TWENTYMILE COAL COMPANY | GRAB | pH Temperature               | 22.3   | Deg C                   | L77986-01 | 1/12/2023  |  |
| 63 | 1/4/2023   | TWENTYMILE COAL COMPANY | GRAB | pH, Field                    | 8.1    | S.U.                    |           | 1/4/2023   |  |
| 63 | 1/4/2023   | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                      | 8.1    | S.U.                    | L77986-01 | 1/12/2023  |  |
| 63 | 1/4/2023   | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable           | < 0.52 | mL/L                    | L77986-01 | 1/4/2023   |  |
| 63 | 1/4/2023   | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended      | 26     | mg/L                    | L77986-01 | 1/11/2023  |  |
| 63 | 1/4/2023   | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field | 3890   | UMHOS/CM                |           | 1/4/2023   |  |
| 63 | 1/4/2023   | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field           | 6.4    | Deg C                   |           | 1/4/2023   |  |
| 63 | 1/12/2023  | TWENTYMILE COAL COMPANY | GRAB | Flow                         | 0.369  | MILLION GALLONS PER DAY |           | 1/12/2023  |  |
| 63 | 1/12/2023  |                         | GRAB | Iron, Total                  | 0.485  | mg/L                    | L78189-01 | 1/27/2023  |  |
| 63 | 1/12/2023  |                         | GRAB | pH Temperature               | 21.7   | Deg C                   | L78189-01 | 1/14/2023  |  |
| 63 | 1/12/2023  | TWENTYMILE COAL COMPANY | GRAB | pH, Field                    | 8.3    | S.U.                    |           | 1/12/2023  |  |
| 63 | 1/12/2023  |                         | GRAB | pH, Lab                      | 8.2    | S.U.                    | L78189-01 | 1/14/2023  |  |
| 63 | 1/12/2023  |                         | GRAB | Solids, Settleable           | < 0.51 | mL/L                    | L78189-01 | 1/12/2023  |  |
| 63 | 1/12/2023  |                         | GRAB | Solids, Total Suspended      | 26     | mg/L                    | L78189-01 | 1/18/2023  |  |
| 63 | 1/12/2023  | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field | 4520   | UMHOS/CM                |           | 1/12/2023  |  |
| 63 | 1/12/2023  | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field           | 4.3    | Deg C                   |           | 1/12/2023  |  |
| 63 | 1/12/2023  |                         | GRAB | Specific Conductivity, Lab   | 4620   | ums/cm                  | L78189-02 | 1/30/2023  |  |
| 63 | 1/12/2023  |                         | GRAB | Total Dissolved Solids, Lab  | 3300   | mg/L                    | L78189-02 | 1/19/2023  |  |
| 63 | 1/18/2023  | TWENTYMILE COAL COMPANY | GRAB | Flow                         | 0.053  | MILLION GALLONS PER DAY |           | 1/18/2023  |  |
| 63 | 1/18/2023  | TWENTYMILE COAL COMPANY | GRAB | Iron, Total                  | 0.207  | mg/L                    | L78263-01 | 1/31/2023  |  |
| 63 | 1/18/2023  | TWENTYMILE COAL COMPANY | GRAB | pH Temperature               | 21.8   | Deg C                   | L78263-01 | 1/24/2023  |  |

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| 63 | 1/18/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                    | 8.4    | S.U.                    | L78263-01 | 1/18/2023 |  |
| 63 | 1/18/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                      | 8.3    | S.U.                    | L78263-01 | 1/24/2023 |  |
| 63 | 1/18/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable           | < 0.5  | mL/L                    | L78263-01 | 1/18/2023 |  |
| 63 | 1/18/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended      | 12     | mg/L                    | L78263-01 | 1/25/2023 |  |
| 63 | 1/18/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field | 4320   | ums/cm                  | L78263-01 | 1/18/2023 |  |
| 63 | 1/18/2023 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field           | 5.8    | Deg C                   | L78263-01 | 1/18/2023 |  |
| 63 | 1/25/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                         | 0.075  | MILLION GALLONS PER DAY |           | 1/25/2023 |  |
| 63 | 1/25/2023 | TWENTYMILE COAL COMPANY | GRAB | Iron, Total                  | 0.331  | mg/L                    | L78356-01 | 2/3/2023  |  |
| 63 | 1/25/2023 | TWENTYMILE COAL COMPANY | GRAB | pH Temperature               | 22.5   | Deg C                   | L78356-01 | 2/7/2023  |  |
| 63 | 1/25/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                    | 8.2    | S.U.                    | L78356-01 | 1/25/2023 |  |
| 63 | 1/25/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                      | 8.2    | S.U.                    | L78356-01 | 2/7/2023  |  |
| 63 | 1/25/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable           | < 0.52 | mL/L                    | L78356-01 | 1/25/2023 |  |
| 63 | 1/25/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended      | 39     | mg/L                    | L78356-01 | 1/31/2023 |  |
| 63 | 1/25/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field | 4290   | ums/cm                  | L78356-01 | 1/25/2023 |  |
| 63 | 1/25/2023 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field           | 6.2    | Deg C                   | L78356-01 | 1/25/2023 |  |
| 63 | 2/1/2023  | TWENTYMILE COAL COMPANY | GRAB | Flow                         | 0.053  | MILLION GALLONS PER DAY |           | 2/1/2023  |  |
| 63 | 2/1/2023  | TWENTYMILE COAL COMPANY | GRAB | Iron, Total                  | 0.144  | mg/L                    | L78453-01 | 2/14/2023 |  |
| 63 | 2/1/2023  | TWENTYMILE COAL COMPANY | GRAB | pH Temperature               | 23.1   | Deg C                   | L78453-01 | 2/14/2023 |  |
| 63 | 2/1/2023  | TWENTYMILE COAL COMPANY | GRAB | pH, Field                    | 7.3    | S.U.                    | L78453-01 | 2/1/2023  |  |
| 63 | 2/1/2023  | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                      | 8.1    | S.U.                    | L78453-01 | 2/14/2023 |  |
| 63 | 2/1/2023  | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable           | < 0.52 | mL/L                    | L78453-01 | 2/1/2023  |  |
| 63 | 2/1/2023  | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended      | 7      | mg/L                    | L78453-01 | 2/6/2023  |  |
| 63 | 2/1/2023  | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field | 4490   | ums/cm                  | L78453-01 | 2/1/2023  |  |
| 63 | 2/1/2023  | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field           | 3.6    | Deg C                   | L78453-01 | 2/1/2023  |  |
| 63 | 2/8/2023  | TWENTYMILE COAL COMPANY | GRAB | Flow                         | 0.053  | MILLION GALLONS PER DAY |           | 2/8/2023  |  |
| 63 | 2/8/2023  | TWENTYMILE COAL COMPANY | GRAB | Iron, Total                  | 0.287  | mg/L                    | L78573-01 | 3/4/2023  |  |
| 63 | 2/8/2023  | TWENTYMILE COAL COMPANY | GRAB | pH Temperature               | 22.4   | Deg C                   | L78573-01 | 2/14/2023 |  |
| 63 | 2/8/2023  | TWENTYMILE COAL COMPANY | GRAB | pH, Field                    | 8.3    | S.U.                    | L78573-01 | 2/8/2023  |  |
| 63 | 2/8/2023  | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                      | 8.2    | S.U.                    | L78573-01 | 2/14/2023 |  |
| 63 | 2/8/2023  | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable           | < 0.52 | mL/L                    | L78573-01 | 2/8/2023  |  |
| 63 | 2/8/2023  | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended      | 18     | mg/L                    | L78573-01 | 2/15/2023 |  |
| 63 | 2/8/2023  | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field | 4250   | ums/cm                  | L78573-01 | 2/8/2023  |  |
| 63 | 2/8/2023  | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field           | 5.8    | Deg C                   | L78573-01 | 2/8/2023  |  |
| 63 | 2/15/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                         | 0.034  | MILLION GALLONS PER DAY |           | 2/15/2023 |  |
| 63 | 2/15/2023 | TWENTYMILE COAL COMPANY | GRAB | Iron, Total                  | 0.211  | mg/L                    | L78718-01 | 3/2/2023  |  |

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|----|-----------|-------------------------|------|------------------------------|--------|-------------------------|-----------|-----------|--|
| 63 | 2/15/2023 | TWENTYMILE COAL COMPANY | GRAB | pH Temperature               | 22.2   | Deg C                   | L78718-01 | 3/10/2023 |  |
| 63 | 2/15/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                    | 8.4    | S.U.                    | L78718-01 | 2/15/2023 |  |
| 63 | 2/15/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                      | 8.1    | S.U.                    | L78718-01 | 3/10/2023 |  |
| 63 | 2/15/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable           | < 0.5  | mL/L                    | L78718-01 | 2/15/2023 |  |
| 63 | 2/15/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended      | 15     | mg/L                    | L78718-01 | 2/22/2023 |  |
| 63 | 2/15/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field | 3860   | ums/cm                  | L78718-01 | 2/15/2023 |  |
| 63 | 2/15/2023 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field           | 3.9    | Deg C                   | L78718-01 | 2/15/2023 |  |
| 63 | 2/21/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                         | 0.053  | MILLION GALLONS PER DAY |           | 2/21/2023 |  |
| 63 | 2/21/2023 | TWENTYMILE COAL COMPANY | GRAB | Iron, Total                  | 0.303  | mg/L                    | L78867-01 | 3/2/2023  |  |
| 63 | 2/21/2023 | TWENTYMILE COAL COMPANY | GRAB | pH Temperature               | 22.5   | Deg C                   | L78867-01 | 3/2/2023  |  |
| 63 | 2/21/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                    | 8.3    | S.U.                    | L78867-01 | 2/21/2023 |  |
| 63 | 2/21/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                      | 8.1    | S.U.                    | L78867-01 | 3/2/2023  |  |
| 63 | 2/21/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable           | < 0.52 | mL/L                    | L78867-01 | 2/21/2023 |  |
| 63 | 2/21/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended      | 41     | mg/L                    | L78867-01 | 3/6/2023  |  |
| 63 | 2/21/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field | 3890   | ums/cm                  | L78867-01 | 2/21/2023 |  |
| 63 | 2/21/2023 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field           | 3.8    | Deg C                   | L78867-01 | 2/21/2023 |  |
| 63 | 3/2/2023  | TWENTYMILE COAL COMPANY | GRAB | Flow                         | 0.053  | MILLION GALLONS PER DAY |           | 3/2/2023  |  |
| 63 | 3/2/2023  | TWENTYMILE COAL COMPANY | GRAB | Iron, Total                  | 0.449  | mg/L                    | L79040-01 | 3/13/2023 |  |
| 63 | 3/2/2023  | TWENTYMILE COAL COMPANY | GRAB | pH Temperature               | 22.8   | Deg C                   | L79040-01 | 3/10/2023 |  |
| 63 | 3/2/2023  | TWENTYMILE COAL COMPANY | GRAB | pH, Field                    | 8.4    | S.U.                    | L79040-01 | 3/2/2023  |  |
| 63 | 3/2/2023  | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                      | 8.1    | S.U.                    | L79040-01 | 3/10/2023 |  |
| 63 | 3/2/2023  | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable           | < 0.51 | mL/L                    | L79040-01 | 3/2/2023  |  |
| 63 | 3/2/2023  | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended      | 21     | mg/L                    | L79040-01 | 3/6/2023  |  |
| 63 | 3/2/2023  | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field | 4090   | ums/cm                  | L79040-01 | 3/2/2023  |  |
| 63 | 3/2/2023  | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field           | 4.1    | Deg C                   | L79040-01 | 3/2/2023  |  |
| 63 | 3/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Flow                         | 0.099  | MILLION GALLONS PER DAY |           | 3/7/2023  |  |
| 63 | 3/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Iron, Total                  | 0.446  | mg/L                    | L79099-01 | 3/23/2023 |  |
| 63 | 3/7/2023  | TWENTYMILE COAL COMPANY | GRAB | pH Temperature               | 22.7   | Deg C                   | L79099-01 | 3/11/2023 |  |
| 63 | 3/7/2023  | TWENTYMILE COAL COMPANY | GRAB | pH, Field                    | 7.3    | S.U.                    | L79099-01 | 3/7/2023  |  |
| 63 | 3/7/2023  | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                      | 8.3    | S.U.                    | L79099-01 | 3/11/2023 |  |
| 63 | 3/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable           | < 0.52 | mL/L                    | L79099-01 | 3/7/2023  |  |
| 63 | 3/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended      | 22     | mg/L                    | L79099-01 | 3/13/2023 |  |
| 63 | 3/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field | 4010   | ums/cm                  | L79099-01 | 3/7/2023  |  |
| 63 | 3/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field           | 6.9    | Deg C                   | L79099-01 | 3/7/2023  |  |
| 63 | 3/15/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                         | 0.099  | MILLION GALLONS PER DAY |           | 3/15/2023 |  |

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| 63 | 3/15/2023 | TWENTYMILE COAL COMPANY | GRAB | Iron, Total                  | 1.37   | mg/L                    | L79258-01 | 3/29/2023 |  |
| 63 | 3/15/2023 | TWENTYMILE COAL COMPANY | GRAB | pH Temperature               | 21.9   | Deg C                   | L79258-01 | 3/21/2023 |  |
| 63 | 3/15/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                    | 8      | S.U.                    | L79258-01 | 3/15/2023 |  |
| 63 | 3/15/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                      | 8.2    | S.U.                    | L79258-01 | 3/21/2023 |  |
| 63 | 3/15/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable           | 0.1    | mL/L                    | L79258-01 | 3/15/2023 |  |
| 63 | 3/15/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended      | 37     | mg/L                    | L79258-01 | 3/22/2023 |  |
| 63 | 3/15/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field | 3230   | ums/cm                  | L79258-01 | 3/15/2023 |  |
| 63 | 3/15/2023 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field           | 7      | Deg C                   | L79258-01 | 3/15/2023 |  |
| 63 | 3/22/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                         | 0.075  | MILLION GALLONS PER DAY |           | 3/22/2023 |  |
| 63 | 3/22/2023 | TWENTYMILE COAL COMPANY | GRAB | Iron, Total                  | 0.6    | mg/L                    | L79385-01 | 4/1/2023  |  |
| 63 | 3/22/2023 | TWENTYMILE COAL COMPANY | GRAB | pH Temperature               | 22.4   | Deg C                   | L79385-01 | 3/30/2023 |  |
| 63 | 3/22/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                    | 8.2    | S.U.                    | L79385-01 | 3/22/2023 |  |
| 63 | 3/22/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                      | 8.1    | S.U.                    | L79385-01 | 3/30/2023 |  |
| 63 | 3/22/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable           | < 0.52 | mL/L                    | L79385-01 | 3/22/2023 |  |
| 63 | 3/22/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended      | 34     | mg/L                    | L79385-01 | 3/28/2023 |  |
| 63 | 3/22/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field | 3670   | ums/cm                  | L79385-01 | 3/22/2023 |  |
| 63 | 3/22/2023 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field           | 10.4   | Deg C                   | L79385-01 | 3/22/2023 |  |
| 63 | 3/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                         | 0.03   | MILLION GALLONS PER DAY |           | 3/29/2023 |  |
| 63 | 3/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Iron, Total                  | 0.834  | mg/L                    | L79510-01 | 4/7/2023  |  |
| 63 | 3/29/2023 | TWENTYMILE COAL COMPANY | GRAB | pH Temperature               | 23     | Deg C                   | L79510-01 | 3/30/2023 |  |
| 63 | 3/29/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                    | 8.2    | S.U.                    | L79510-01 | 3/29/2023 |  |
| 63 | 3/29/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                      | 8.1    | S.U.                    | L79510-01 | 3/30/2023 |  |
| 63 | 3/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable           | < 0.51 | mL/L                    | L79510-01 | 3/29/2023 |  |
| 63 | 3/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended      | 31     | mg/L                    | L79510-01 | 4/4/2023  |  |
| 63 | 3/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field | 3840   | ums/cm                  | L79510-01 | 3/29/2023 |  |
| 63 | 3/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field           | 7.8    | Deg C                   | L79510-01 | 3/29/2023 |  |
| 63 | 4/5/2023  | TWENTYMILE COAL COMPANY | GRAB | Flow                         | 0.155  | MILLION GALLONS PER DAY |           | 4/5/2023  |  |
| 63 | 4/5/2023  | TWENTYMILE COAL COMPANY | GRAB | Iron, Total                  | 1.43   | mg/L                    | L79638-01 | 4/18/2023 |  |
| 63 | 4/5/2023  | TWENTYMILE COAL COMPANY | GRAB | pH Temperature               | 21.7   | Deg C                   | L79638-01 | 4/13/2023 |  |
| 63 | 4/5/2023  | TWENTYMILE COAL COMPANY | GRAB | pH, Field                    | 8.5    | S.U.                    | L79638-01 | 4/5/2023  |  |
| 63 | 4/5/2023  | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                      | 8      | S.U.                    | L79638-01 | 4/13/2023 |  |
| 63 | 4/5/2023  | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable           | 0.11   | mL/L                    | L79638-01 | 4/5/2023  |  |
| 63 | 4/5/2023  | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended      | 47     | mg/L                    | L79638-01 | 4/12/2023 |  |
| 63 | 4/5/2023  | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field | 3090   | ums/cm                  | L79638-01 | 4/5/2023  |  |
| 63 | 4/5/2023  | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field           | 11.9   | Deg C                   | L79638-01 | 4/5/2023  |  |

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|----|-----------|-------------------------|------|------------------------------|--------|-------------------------|-----------|-----------|--|
| 63 | 4/12/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                         | 0.079  | MILLION GALLONS PER DAY |           | 4/12/2023 |  |
| 63 | 4/12/2023 | TWENTYMILE COAL COMPANY | GRAB | Iron, Total                  | 2.44   | mg/L                    | L79816-01 | 4/27/2023 |  |
| 63 | 4/12/2023 | TWENTYMILE COAL COMPANY | GRAB | pH Temperature               | 20.7   | Deg C                   | L79816-01 | 4/20/2023 |  |
| 63 | 4/12/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                    | 8.2    | S.U.                    | L79816-01 | 4/12/2023 |  |
| 63 | 4/12/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                      | 8.3    | S.U.                    | L79816-01 | 4/20/2023 |  |
| 63 | 4/12/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable           | < 0.5  | mL/L                    | L79816-01 | 4/12/2023 |  |
| 63 | 4/12/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended      | 52     | mg/L                    | L79816-01 | 4/18/2023 |  |
| 63 | 4/12/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field | 1590   | ums/cm                  | L79816-01 | 4/12/2023 |  |
| 63 | 4/12/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Lab   | 1690   | ums/cm                  | L79816-01 | 4/20/2023 |  |
| 63 | 4/12/2023 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field           | 13.2   | Deg C                   | L79816-01 | 4/12/2023 |  |
| 63 | 4/12/2023 | TWENTYMILE COAL COMPANY | GRAB | Total Dissolved Solids, Lab  | 1170   | mg/L                    | L79816-01 | 4/18/2023 |  |
| 63 | 4/18/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                         | 0.143  | MILLION GALLONS PER DAY |           | 4/18/2023 |  |
| 63 | 4/18/2023 | TWENTYMILE COAL COMPANY | GRAB | Iron, Total                  | 1.04   | mg/L                    | L79932-01 | 4/28/2023 |  |
| 63 | 4/18/2023 | TWENTYMILE COAL COMPANY | GRAB | pH Temperature               | 21.6   | Deg C                   | L79932-01 | 5/15/2023 |  |
| 63 | 4/18/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                    | 7.4    | S.U.                    | L79932-01 | 4/18/2023 |  |
| 63 | 4/18/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                      | 8.6    | S.U.                    | L79932-01 | 5/15/2023 |  |
| 63 | 4/18/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable           | < 0.51 | mL/L                    | L79932-01 | 4/18/2023 |  |
| 63 | 4/18/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended      | 25     | mg/L                    | L79932-01 | 4/24/2023 |  |
| 63 | 4/18/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field | 2220   | ums/cm                  | L79932-01 | 4/18/2023 |  |
| 63 | 4/18/2023 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field           | 10.3   | Deg C                   | L79932-01 | 4/18/2023 |  |
| 63 | 4/27/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                         | 0.099  | MILLION GALLONS PER DAY |           | 4/27/2023 |  |
| 63 | 4/27/2023 | TWENTYMILE COAL COMPANY | GRAB | Iron, Total                  | 0.544  | mg/L                    | L80132-01 | 5/8/2023  |  |
| 63 | 4/27/2023 | TWENTYMILE COAL COMPANY | GRAB | pH Temperature               | 22.7   | Deg C                   | L80132-01 | 5/19/2023 |  |
| 63 | 4/27/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                    | 8.3    | S.U.                    | L80132-01 | 4/27/2023 |  |
| 63 | 4/27/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                      | 8.4    | S.U.                    | L80132-01 | 5/19/2023 |  |
| 63 | 4/27/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable           | < 0.49 | mL/L                    | L80132-01 | 4/28/2023 |  |
| 63 | 4/27/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended      | 12     | mg/L                    | L80132-01 | 5/3/2023  |  |
| 63 | 4/27/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field | 2359   | ums/cm                  | L80132-01 | 4/27/2023 |  |
| 63 | 4/27/2023 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field           | 14     | Deg C                   | L80132-01 | 4/27/2023 |  |
| 63 | 5/4/2023  | TWENTYMILE COAL COMPANY | GRAB | Flow                         | 0.12   | MILLION GALLONS PER DAY |           | 5/4/2023  |  |
| 63 | 5/4/2023  | TWENTYMILE COAL COMPANY | GRAB | Iron, Total                  | < 0.3  | mg/L                    | L80247-01 | 5/13/2023 |  |
| 63 | 5/4/2023  | TWENTYMILE COAL COMPANY | GRAB | pH Temperature               | 22.3   | Deg C                   | L80247-01 | 5/19/2023 |  |
| 63 | 5/4/2023  | TWENTYMILE COAL COMPANY | GRAB | pH, Field                    | 8.1    | S.U.                    | L80247-01 | 5/4/2023  |  |
| 63 | 5/4/2023  | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                      | 8.3    | S.U.                    | L80247-01 | 5/19/2023 |  |
| 63 | 5/4/2023  | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable           | < 0.51 | mL/L                    | L80247-01 | 5/4/2023  |  |



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|----|-----------|-------------------------|------|------------------------------|--------|-------------------------|-----------|-----------|--|
| 63 | 5/4/2023  | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended      | 14     | mg/L                    | L80247-01 | 5/10/2023 |  |
| 63 | 5/4/2023  | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field | 3350   | ums/cm                  | L80247-01 | 5/4/2023  |  |
| 63 | 5/4/2023  | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field           | 17.2   | Deg C                   | L80247-01 | 5/4/2023  |  |
| 63 | 5/10/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                         | 0.12   | MILLION GALLONS PER DAY |           | 5/10/2023 |  |
| 63 | 5/10/2023 | TWENTYMILE COAL COMPANY | GRAB | Iron, Total                  | < 0.3  | mg/L                    | L80395-01 | 5/23/2023 |  |
| 63 | 5/10/2023 | TWENTYMILE COAL COMPANY | GRAB | pH Temperature               | 21.1   | Deg C                   | L80395-01 | 5/20/2023 |  |
| 63 | 5/10/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                    | 8.3    | S.U.                    | L80395-01 | 5/10/2023 |  |
| 63 | 5/10/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                      | 8.3    | S.U.                    | L80395-01 | 5/20/2023 |  |
| 63 | 5/10/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable           | < 0.51 | mL/L                    | L80395-01 | 5/10/2023 |  |
| 63 | 5/10/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended      | 9      | mg/L                    | L80395-01 | 5/16/2023 |  |
| 63 | 5/10/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field | 3650   | ums/cm                  | L80395-01 | 5/10/2023 |  |
| 63 | 5/10/2023 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field           | 16.5   | Deg C                   | L80395-01 | 5/10/2023 |  |
| 63 | 5/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                         | 0.099  | MILLION GALLONS PER DAY |           | 5/17/2023 |  |
| 63 | 5/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Iron, Total                  | < 0.3  | mg/L                    | L80529-01 | 6/2/2023  |  |
| 63 | 5/17/2023 | TWENTYMILE COAL COMPANY | GRAB | pH Temperature               | 21.5   | Deg C                   | L80529-01 | 5/24/2023 |  |
| 63 | 5/17/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                    | 8.1    | S.U.                    | 80529-01  | 5/17/2023 |  |
| 63 | 5/17/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                      | 8.2    | S.U.                    | L80529-01 | 5/24/2023 |  |
| 63 | 5/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable           | < 0.49 | mL/L                    | L80529-01 | 5/17/2023 |  |
| 63 | 5/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended      | 13     | mg/L                    | L80529-01 | 5/23/2023 |  |
| 63 | 5/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field | 3770   | ums/cm                  | 80529-01  | 5/17/2023 |  |
| 63 | 5/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field           | 17.7   | Deg C                   | 80529-01  | 5/17/2023 |  |
| 63 | 5/24/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                         | 0.034  | MILLION GALLONS PER DAY |           | 5/24/2023 |  |
| 63 | 5/24/2023 | TWENTYMILE COAL COMPANY | GRAB | Iron, Total                  | < 0.3  | mg/L                    | L80639-01 | 6/9/2023  |  |
| 63 | 5/24/2023 | TWENTYMILE COAL COMPANY | GRAB | pH Temperature               | 21.7   | Deg C                   | L80639-01 | 6/5/2023  |  |
| 63 | 5/24/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                    | 6.9    | S.U.                    | L80639-01 | 5/24/2023 |  |
| 63 | 5/24/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                      | 8.2    | S.U.                    | L80639-01 | 6/5/2023  |  |
| 63 | 5/24/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable           | < 0.52 | mL/L                    | L80639-01 | 5/24/2023 |  |
| 63 | 5/24/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended      | 10     | mg/L                    | L80639-01 | 5/30/2023 |  |
| 63 | 5/24/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field | 3970   | ums/cm                  | L80639-01 | 5/24/2023 |  |
| 63 | 5/24/2023 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field           | 19.4   | Deg C                   | L80639-01 | 5/24/2023 |  |
| 63 | 5/31/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                         | 0.034  | MILLION GALLONS PER DAY |           | 5/31/2023 |  |
| 63 | 5/31/2023 | TWENTYMILE COAL COMPANY | GRAB | Iron, Total                  | < 0.3  | mg/L                    | L80770-01 | 6/9/2023  |  |
| 63 | 5/31/2023 | TWENTYMILE COAL COMPANY | GRAB | pH Temperature               | 22.1   | Deg C                   | L80770-01 | 6/15/2023 |  |
| 63 | 5/31/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                    | 8      | S.U.                    | L80770-01 | 5/31/2023 |  |
| 63 | 5/31/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                      | 8.3    | S.U.                    | L80770-01 | 6/15/2023 |  |

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|----|-----------|-------------------------|------|------------------------------|--------|-------------------------|-----------|-----------|--|
| 63 | 5/31/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable           | < 0.5  | mL/L                    | L80770-01 | 5/31/2023 |  |
| 63 | 5/31/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended      | 12     | mg/L                    | L80770-01 | 6/2/2023  |  |
| 63 | 5/31/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field | 3990   | ums/cm                  | L80770-01 | 5/31/2023 |  |
| 63 | 5/31/2023 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field           | 18     | Deg C                   | L80770-01 | 5/31/2023 |  |
| 63 | 6/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Flow                         | 0.061  | MILLION GALLONS PER DAY |           | 6/7/2023  |  |
| 63 | 6/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Iron, Total                  | < 0.3  | mg/L                    | L80911-01 | 6/15/2023 |  |
| 63 | 6/7/2023  | TWENTYMILE COAL COMPANY | GRAB | pH Temperature               | 22.5   | Deg C                   | L80911-01 | 6/16/2023 |  |
| 63 | 6/7/2023  | TWENTYMILE COAL COMPANY | GRAB | pH, Field                    | 7.7    | S.U.                    | L80911-01 | 6/7/2023  |  |
| 63 | 6/7/2023  | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                      | 8.3    | S.U.                    | L80911-01 | 6/16/2023 |  |
| 63 | 6/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable           | < 0.51 | mL/L                    | L80911-01 | 6/7/2023  |  |
| 63 | 6/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended      | 18     | mg/L                    | L80911-01 | 6/14/2023 |  |
| 63 | 6/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field | 3960   | ums/cm                  | L80911-01 | 6/7/2023  |  |
| 63 | 6/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field           | 18.1   | Deg C                   | L80911-01 | 6/7/2023  |  |
| 63 | 6/14/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                         | 0.037  | MILLION GALLONS PER DAY |           | 6/14/2023 |  |
| 63 | 6/14/2023 | TWENTYMILE COAL COMPANY | GRAB | Iron, Total                  | < 0.3  | mg/L                    | L81103-01 | 6/22/2023 |  |
| 63 | 6/14/2023 | TWENTYMILE COAL COMPANY | GRAB | pH Temperature               | 21.9   | Deg C                   | L81103-01 | 6/30/2023 |  |
| 63 | 6/14/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                    | 6.8    | S.U.                    | L81103-01 | 6/14/2023 |  |
| 63 | 6/14/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                      | 8.4    | S.U.                    | L81103-01 | 6/30/2023 |  |
| 63 | 6/14/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable           | < 0.49 | mL/L                    | L81103-01 | 6/14/2023 |  |
| 63 | 6/14/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended      | 11     | mg/L                    | L81103-01 | 6/21/2023 |  |
| 63 | 6/14/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field | 3980   | ums/cm                  | L81103-01 | 6/14/2023 |  |
| 63 | 6/14/2023 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field           | 19.6   | Deg C                   | L81103-01 | 6/14/2023 |  |
| 63 | 6/21/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                         | 0.089  | MILLION GALLONS PER DAY |           | 6/21/2023 |  |
| 63 | 6/21/2023 | TWENTYMILE COAL COMPANY | GRAB | Iron, Total                  | < 0.3  | mg/L                    | L81281-01 | 6/29/2023 |  |
| 63 | 6/21/2023 | TWENTYMILE COAL COMPANY | GRAB | pH Temperature               | 22.7   | Deg C                   | L81281-01 | 7/12/2023 |  |
| 63 | 6/21/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                    | 8      | S.U.                    | L81281-01 | 6/21/2023 |  |
| 63 | 6/21/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                      | 8.48   | S.U.                    | L81281-01 | 7/12/2023 |  |
| 63 | 6/21/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable           | < 0.49 | mL/L                    | L81281-01 | 6/21/2023 |  |
| 63 | 6/21/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended      | 11     | mg/L                    | L81281-01 | 6/27/2023 |  |
| 63 | 6/21/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field | 4050   | ums/cm                  | L81281-01 | 6/21/2023 |  |
| 63 | 6/21/2023 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field           | 19.7   | Deg C                   | L81281-01 | 6/21/2023 |  |
| 63 | 6/27/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                         | 0.079  | MILLION GALLONS PER DAY |           | 6/27/2023 |  |
| 63 | 6/27/2023 | TWENTYMILE COAL COMPANY | GRAB | Iron, Total                  | 0.142  | mg/L                    | L81410-01 | 7/6/2023  |  |
| 63 | 6/27/2023 | TWENTYMILE COAL COMPANY | GRAB | pH Temperature               | 22.7   | Deg C                   | L81410-01 | 7/4/2023  |  |
| 63 | 6/27/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                    | 8      | S.U.                    | L81410-01 | 6/27/2023 |  |

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| 63 | 6/27/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                      | 8.32   | S.U.                    | L81410-01 | 7/4/2023  |  |
| 63 | 6/27/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable           | < 0.51 | mL/L                    | L81410-01 | 6/27/2023 |  |
| 63 | 6/27/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended      | 8      | mg/L                    | L81410-01 | 6/29/2023 |  |
| 63 | 6/27/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field | 3890   | ums/cm                  | L81410-01 | 6/27/2023 |  |
| 63 | 6/27/2023 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field           | 20.1   | Deg C                   | L81410-01 | 6/27/2023 |  |
| 63 | 7/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Flow                         | 0.53   | MILLION GALLONS PER DAY |           | 7/6/2023  |  |
| 63 | 7/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Iron, Total                  | < 0.3  | mg/L                    | L81523-01 | 7/15/2023 |  |
| 63 | 7/6/2023  | TWENTYMILE COAL COMPANY | GRAB | pH Temperature               | 22.1   | Deg C                   | L81523-01 | 7/13/2023 |  |
| 63 | 7/6/2023  | TWENTYMILE COAL COMPANY | GRAB | pH, Field                    | 7.9    | S.U.                    | L81523-01 | 7/6/2023  |  |
| 63 | 7/6/2023  | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                      | 8.3    | S.U.                    | L81523-01 | 7/13/2023 |  |
| 63 | 7/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable           | < 0.51 | mL/L                    | L81523-01 | 7/6/2023  |  |
| 63 | 7/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended      | 9      | mg/L                    | L81523-01 | 7/12/2023 |  |
| 63 | 7/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field | 3880   | ums/cm                  | L81523-01 | 7/6/2023  |  |
| 63 | 7/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field           | 22.1   | Deg C                   | L81523-01 | 7/6/2023  |  |
| 63 | 7/13/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                         | 0.18   | MILLION GALLONS PER DAY |           | 7/13/2023 |  |
| 63 | 7/13/2023 | TWENTYMILE COAL COMPANY | GRAB | Iron, Total                  | 0.32   | mg/L                    | L81718-01 | 7/25/2023 |  |
| 63 | 7/13/2023 | TWENTYMILE COAL COMPANY | GRAB | pH Temperature               | 23.4   | Deg C                   | L81718-01 | 7/26/2023 |  |
| 63 | 7/13/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                    | 7.9    | S.U.                    | L81718-01 | 7/13/2023 |  |
| 63 | 7/13/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                      | 8.2    | S.U.                    | L81718-01 | 7/26/2023 |  |
| 63 | 7/13/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable           | < 0.51 | mL/L                    | L81718-01 | 7/13/2023 |  |
| 63 | 7/13/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended      | 20     | mg/L                    | L81718-01 | 7/28/2023 |  |
| 63 | 7/13/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field | 3990   | ums/cm                  | L81718-01 | 7/13/2023 |  |
| 63 | 7/13/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Lab   | 4080   | ums/cm                  | L81718-01 | 7/26/2023 |  |
| 63 | 7/13/2023 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field           | 24.6   | Deg C                   | L81718-01 | 7/13/2023 |  |
| 63 | 7/13/2023 | TWENTYMILE COAL COMPANY | GRAB | Total Dissolved Solids, Lab  | 3490   | mg/L                    | L81718-01 | 7/28/2023 |  |
| 63 | 7/20/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                         | 0.024  | MILLION GALLONS PER DAY |           | 7/20/2023 |  |
| 63 | 7/20/2023 | TWENTYMILE COAL COMPANY | GRAB | Iron, Total                  | 0.306  | mg/L                    | L81869-01 | 7/31/2023 |  |
| 63 | 7/20/2023 | TWENTYMILE COAL COMPANY | GRAB | pH Temperature               | 22.9   | Deg C                   | L81869-01 | 8/1/2023  |  |
| 63 | 7/20/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                    | 8.1    | S.U.                    | L81869-01 | 7/20/2023 |  |
| 63 | 7/20/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                      | 8.1    | S.U.                    | L81869-01 | 8/1/2023  |  |
| 63 | 7/20/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable           | < 0.5  | mL/L                    | L81869-01 | 7/20/2023 |  |
| 63 | 7/20/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended      | 17     | mg/L                    | L81869-01 | 7/26/2023 |  |
| 63 | 7/20/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field | 4260   | ums/cm                  | L81869-01 | 7/20/2023 |  |
| 63 | 7/20/2023 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field           | 23     | Deg C                   | L81869-01 | 7/20/2023 |  |
| 63 | 7/25/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                         | 0.034  | MILLION GALLONS PER DAY |           | 7/25/2023 |  |

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|----|-----------|-------------------------|------|------------------------------|--------|-------------------------|-----------|-----------|--|
| 63 | 7/25/2023 | TWENTYMILE COAL COMPANY | GRAB | Iron, Total                  | 0.141  | mg/L                    | L81989-01 | 8/3/2023  |  |
| 63 | 7/25/2023 | TWENTYMILE COAL COMPANY | GRAB | pH Temperature               | 23.2   | Deg C                   | L81989-01 | 8/1/2023  |  |
| 63 | 7/25/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                    | 7.9    | S.U.                    | L81989-01 | 7/25/2023 |  |
| 63 | 7/25/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                      | 8.3    | S.U.                    | L81989-01 | 8/1/2023  |  |
| 63 | 7/25/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable           | < 0.52 | mL/L                    | L81989-01 | 7/26/2023 |  |
| 63 | 7/25/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended      | 15     | mg/L                    | L81989-01 | 7/26/2023 |  |
| 63 | 7/25/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field | 4310   | ums/cm                  | L81989-01 | 7/25/2023 |  |
| 63 | 7/25/2023 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field           | 22.9   | Deg C                   | L81989-01 | 7/25/2023 |  |
| 63 | 8/3/2023  | TWENTYMILE COAL COMPANY | GRAB | Flow                         | 0.006  | MILLION GALLONS PER DAY |           | 8/3/2023  |  |
| 63 | 8/3/2023  | TWENTYMILE COAL COMPANY | GRAB | Iron, Total                  | 0.201  | mg/L                    | L82241-01 | 8/10/2023 |  |
| 63 | 8/3/2023  | TWENTYMILE COAL COMPANY | GRAB | pH Temperature               | 24.1   | Deg C                   | L82241-01 | 7/20/1908 |  |
| 63 | 8/3/2023  | TWENTYMILE COAL COMPANY | GRAB | pH Temperature               | 24.1   | Deg C                   | L82241-01 | 8/7/2023  |  |
| 63 | 8/3/2023  | TWENTYMILE COAL COMPANY | GRAB | pH, Field                    | 8.1    | S.U.                    | L82241-01 | 8/3/2023  |  |
| 63 | 8/3/2023  | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                      | 8.2    | S.U.                    | L82241-01 | 8/7/2023  |  |
| 63 | 8/3/2023  | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                      | 8.2    | S.U.                    | L82241-01 | 7/20/1908 |  |
| 63 | 8/3/2023  | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable           | < 0.48 | mL/L                    | L82241-01 | 8/3/2023  |  |
| 63 | 8/3/2023  | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended      | 15     | mg/L                    | L82241-01 | 8/10/2023 |  |
| 63 | 8/3/2023  | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field | 3970   | ums/cm                  | L82241-01 | 8/3/2023  |  |
| 63 | 8/3/2023  | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field           | 23.5   | Deg C                   | L82241-01 | 8/3/2023  |  |
| 63 | 8/9/2023  | TWENTYMILE COAL COMPANY | GRAB | Flow                         | 0.015  | MILLION GALLONS PER DAY |           | 8/9/2023  |  |
| 63 | 8/9/2023  | TWENTYMILE COAL COMPANY | GRAB | Iron, Total                  | 0.151  | mg/L                    | L82343-01 | 8/16/2023 |  |
| 63 | 8/9/2023  | TWENTYMILE COAL COMPANY | GRAB | pH Temperature               | 25.1   | Deg C                   | L82343-01 | 8/11/2023 |  |
| 63 | 8/9/2023  | TWENTYMILE COAL COMPANY | GRAB | pH, Field                    | 8.5    | S.U.                    | L82343-01 | 8/9/2023  |  |
| 63 | 8/9/2023  | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                      | 8.4    | S.U.                    | L82343-01 | 8/11/2023 |  |
| 63 | 8/9/2023  | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable           | < 0.49 | mL/L                    | L82343-01 | 8/9/2023  |  |
| 63 | 8/9/2023  | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended      | 19     | mg/L                    | L82343-01 | 8/15/2023 |  |
| 63 | 8/9/2023  | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field | 4170   | ums/cm                  | L82343-01 | 8/9/2023  |  |
| 63 | 8/9/2023  | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field           | 18.4   | Deg C                   | L82343-01 | 8/9/2023  |  |
| 63 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                         | 0.041  | MILLION GALLONS PER DAY |           | 8/16/2023 |  |
| 63 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Iron, Total                  | < 0.3  | mg/L                    | L82506-01 | 8/23/2023 |  |
| 63 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | pH Temperature               | 21.2   | Deg C                   | L82506-01 | 8/17/2023 |  |
| 63 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                    | 8.2    | S.U.                    | L82506-01 | 8/16/2023 |  |
| 63 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                      | 8.2    | S.U.                    | L82506-01 | 8/17/2023 |  |
| 63 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable           | < 0.51 | mL/L                    | L82506-01 | 8/16/2023 |  |
| 63 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended      | 21     | mg/L                    | L82506-01 | 8/23/2023 |  |
| 63 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field | 4140   | ums/cm                  | L82506-01 | 8/16/2023 |  |

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|----|-----------|-------------------------|------|------------------------------|--------|-------------------------|-----------|-----------|--|
| 63 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field           | 22.9   | Deg C                   | L82506-01 | 8/16/2023 |  |
| 63 | 8/23/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                         | 0.018  | MILLION GALLONS PER DAY |           | 8/23/2023 |  |
| 63 | 8/23/2023 | TWENTYMILE COAL COMPANY | GRAB | Iron, Total                  | 0.29   | mg/L                    | L82626-01 | 9/8/2023  |  |
| 63 | 8/23/2023 | TWENTYMILE COAL COMPANY | GRAB | pH Temperature               | 23.1   | Deg C                   | L82626-01 | 8/26/2023 |  |
| 63 | 8/23/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                    | 8.2    | S.U.                    | L82626-01 | 8/23/2023 |  |
| 63 | 8/23/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                      | 8.3    | S.U.                    | L82626-01 | 8/26/2023 |  |
| 63 | 8/23/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable           | < 0.5  | mL/L                    | L82626-01 | 8/23/2023 |  |
| 63 | 8/23/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended      | 23     | mg/L                    | L82626-01 | 8/29/2023 |  |
| 63 | 8/23/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field | 4360   | ums/cm                  | L82626-01 | 8/23/2023 |  |
| 63 | 8/23/2023 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field           | 21.5   | Deg C                   | L82626-01 | 8/23/2023 |  |
| 63 | 8/30/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                         | 0.018  | MILLION GALLONS PER DAY |           | 8/30/2023 |  |
| 63 | 8/30/2023 | TWENTYMILE COAL COMPANY | GRAB | Iron, Total                  | 0.312  | mg/L                    | L82799-01 | 9/7/2023  |  |
| 63 | 8/30/2023 | TWENTYMILE COAL COMPANY | GRAB | pH Temperature               | 22.9   | Deg C                   | L82799-01 | 9/7/2023  |  |
| 63 | 8/30/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                    | 8      | S.U.                    | L82799-01 | 8/30/2023 |  |
| 63 | 8/30/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                      | 8.1    | S.U.                    | L82799-01 | 9/7/2023  |  |
| 63 | 8/30/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable           | < 0.51 | mL/L                    | L82799-01 | 8/30/2023 |  |
| 63 | 8/30/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended      | 18     | mg/L                    | L82799-01 | 9/5/2023  |  |
| 63 | 8/30/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field | 3490   | ums/cm                  | L82799-01 | 8/30/2023 |  |
| 63 | 8/30/2023 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field           | 22.6   | Deg C                   | L82799-01 | 8/30/2023 |  |
| 63 | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Flow                         | 0.015  | MILLION GALLONS PER DAY |           | 9/6/2023  |  |
| 63 | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Iron, Total                  | 0.185  | mg/L                    | L82934-01 | 9/15/2023 |  |
| 63 | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | pH Temperature               | 23.1   | Deg C                   | L82934-01 | 9/9/2023  |  |
| 63 | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | pH, Field                    | 7.5    | S.U.                    | L82934-01 | 9/6/2023  |  |
| 63 | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                      | 8.4    | S.U.                    | L82934-01 | 9/9/2023  |  |
| 63 | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable           | < 0.5  | mL/L                    | L82934-01 | 9/7/2023  |  |
| 63 | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended      | 15     | mg/L                    | L82934-01 | 9/13/2023 |  |
| 63 | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field | 3700   | ums/cm                  | L82934-01 | 9/6/2023  |  |
| 63 | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field           | 20.5   | Deg C                   | L82934-01 | 9/6/2023  |  |
| 63 | 9/12/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                         | 0.034  | MILLION GALLONS PER DAY |           | 9/12/2023 |  |
| 63 | 9/12/2023 | TWENTYMILE COAL COMPANY | GRAB | Iron, Total                  | 0.14   | mg/L                    | L83060-01 | 9/22/2023 |  |
| 63 | 9/12/2023 | TWENTYMILE COAL COMPANY | GRAB | pH Temperature               | 22.8   | Deg C                   | L83060-01 | 9/26/2023 |  |
| 63 | 9/12/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                    | 8.2    | S.U.                    | L83060-01 | 9/12/2023 |  |
| 63 | 9/12/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                      | 8.2    | S.U.                    | L83060-01 | 9/26/2023 |  |
| 63 | 9/12/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable           | < 0.5  | mL/L                    | L83060-01 | 9/12/2023 |  |
| 63 | 9/12/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended      | 14     | mg/L                    | L83060-01 | 9/15/2023 |  |

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|----|------------|-------------------------|------|------------------------------|--------|-------------------------|-----------|------------|--|
| 63 | 9/12/2023  | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field | 3640   | ums/cm                  | L83060-01 | 9/12/2023  |  |
| 63 | 9/12/2023  | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field           | 20     | Deg C                   | L83060-01 | 9/12/2023  |  |
| 63 | 9/20/2023  | TWENTYMILE COAL COMPANY | GRAB | Flow                         | 0      | MILLION GALLONS PER DAY |           | 9/20/2023  |  |
| 63 | 9/27/2023  | TWENTYMILE COAL COMPANY | GRAB | Flow                         | 0.034  | MILLION GALLONS PER DAY |           | 9/27/2023  |  |
| 63 | 9/27/2023  | TWENTYMILE COAL COMPANY | GRAB | Iron, Total                  | 0.126  | mg/L                    | L83462-01 | 10/6/2023  |  |
| 63 | 9/27/2023  | TWENTYMILE COAL COMPANY | GRAB | pH Temperature               | 21.5   | Deg C                   | L83462-01 | 10/6/2023  |  |
| 63 | 9/27/2023  | TWENTYMILE COAL COMPANY | GRAB | pH, Field                    | 7.7    | S.U.                    | L83462-01 | 9/27/2023  |  |
| 63 | 9/27/2023  | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                      | 8.3    | S.U.                    | L83462-01 | 10/6/2023  |  |
| 63 | 9/27/2023  | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable           | < 0.5  | mL/L                    | L83462-01 | 9/27/2023  |  |
| 63 | 9/27/2023  | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended      | 13     | mg/L                    | L83462-01 | 10/3/2023  |  |
| 63 | 9/27/2023  | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field | 356    | ums/cm                  | L83462-01 | 9/27/2023  |  |
| 63 | 9/27/2023  | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field           | 16.9   | Deg C                   | L83462-01 | 9/27/2023  |  |
| 80 | 10/5/2022  | TWENTYMILE COAL COMPANY | GRAB | Flow                         | 0      | MILLION GALLONS PER DAY |           | 10/5/2022  |  |
| 80 | 10/12/2022 | TWENTYMILE COAL COMPANY | GRAB | Flow                         | 0      | MILLION GALLONS PER DAY |           | 10/12/2022 |  |
| 80 | 10/19/2022 | TWENTYMILE COAL COMPANY | GRAB | Flow                         | 0      | MILLION GALLONS PER DAY |           | 10/19/2022 |  |
| 80 | 10/26/2022 | TWENTYMILE COAL COMPANY | GRAB | Flow                         | 0      | MILLION GALLONS PER DAY |           | 10/26/2022 |  |
| 80 | 11/2/2022  | TWENTYMILE COAL COMPANY | GRAB | Flow                         | 0      | MILLION GALLONS PER DAY |           | 11/2/2022  |  |
| 80 | 11/9/2022  | TWENTYMILE COAL COMPANY | GRAB | Flow                         | 0      | MILLION GALLONS PER DAY |           | 11/9/2022  |  |
| 80 | 11/16/2022 | TWENTYMILE COAL COMPANY | GRAB | Flow                         | 0      | MILLION GALLONS PER DAY |           | 11/16/2022 |  |
| 82 | 10/5/2022  | TWENTYMILE COAL COMPANY | GRAB | Flow                         | 0      | MILLION GALLONS PER DAY |           | 10/5/2022  |  |
| 82 | 10/12/2022 | TWENTYMILE COAL COMPANY | GRAB | Flow                         | 0      | MILLION GALLONS PER DAY |           | 10/12/2022 |  |
| 82 | 10/19/2022 | TWENTYMILE COAL COMPANY | GRAB | Flow                         | 0      | MILLION GALLONS PER DAY |           | 10/19/2022 |  |
| 82 | 10/26/2022 | TWENTYMILE COAL COMPANY | GRAB | Flow                         | 0      | MILLION GALLONS PER DAY |           | 10/26/2022 |  |
| 82 | 11/2/2022  | TWENTYMILE COAL COMPANY | GRAB | Flow                         | 0      | MILLION GALLONS PER DAY |           | 11/2/2022  |  |
| 82 | 11/9/2022  | TWENTYMILE COAL COMPANY | GRAB | Flow                         | 0      | MILLION GALLONS PER DAY |           | 11/9/2022  |  |
| 82 | 11/16/2022 | TWENTYMILE COAL COMPANY | GRAB | Flow                         | 0      | MILLION GALLONS PER DAY |           | 11/16/2022 |  |
| 82 | 4/18/2023  | TWENTYMILE COAL COMPANY | GRAB | Flow                         | 0.0288 | MILLION GALLONS PER DAY |           | 4/18/2023  |  |
| 82 | 4/18/2023  | TWENTYMILE COAL COMPANY | GRAB | Iron, Total                  | 0.454  | mg/L                    | L79932-02 | 4/28/2023  |  |
| 82 | 4/18/2023  | TWENTYMILE COAL COMPANY | GRAB | pH Temperature               | 21.5   | Deg C                   | L79932-02 | 5/15/2023  |  |

|    |            |                         |      |                                   |         |                         |           |            |  |
|----|------------|-------------------------|------|-----------------------------------|---------|-------------------------|-----------|------------|--|
| 82 | 4/18/2023  | TWENTYMILE COAL COMPANY | GRAB | pH, Field                         | 7.4     | S.U.                    | L79932-02 | 4/18/2023  |  |
| 82 | 4/18/2023  | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                           | 8.2     | S.U.                    | L79932-02 | 5/15/2023  |  |
| 82 | 4/18/2023  | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable                | < 0.46  | mL/L                    | L79932-02 | 4/18/2023  |  |
| 82 | 4/18/2023  | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended           | 10      | mg/L                    | L79932-02 | 4/24/2023  |  |
| 82 | 4/18/2023  | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field      | 660     | ums/cm                  | L79932-02 | 4/18/2023  |  |
| 82 | 4/18/2023  | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field                | 10.3    | Deg C                   | L79932-02 | 4/18/2023  |  |
| 82 | 4/27/2023  | TWENTYMILE COAL COMPANY | GRAB | Flow                              | 0.008   | MILLION GALLONS PER DAY |           | 4/27/2023  |  |
| 82 | 4/27/2023  | TWENTYMILE COAL COMPANY | GRAB | Iron, Total                       | 0.124   | mg/L                    | L80132-02 | 5/8/2023   |  |
| 82 | 4/27/2023  | TWENTYMILE COAL COMPANY | GRAB | pH Temperature                    | 22.8    | Deg C                   | L80132-02 | 5/19/2023  |  |
| 82 | 4/27/2023  | TWENTYMILE COAL COMPANY | GRAB | pH, Field                         | 8.2     | S.U.                    | L80132-02 | 4/27/2023  |  |
| 82 | 4/27/2023  | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                           | 8.3     | S.U.                    | L80132-02 | 5/19/2023  |  |
| 82 | 4/27/2023  | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable                | < 0.51  | mL/L                    | L80132-02 | 4/28/2023  |  |
| 82 | 4/27/2023  | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended           | < 20    | mg/L                    | L80132-02 | 5/3/2023   |  |
| 82 | 4/27/2023  | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field      | 930     | ums/cm                  | L80132-02 | 4/27/2023  |  |
| 82 | 4/27/2023  | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Lab        | 944     | ums/cm                  | L80132-02 | 5/19/2023  |  |
| 82 | 4/27/2023  | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field                | 14      | Deg C                   | L80132-02 | 4/27/2023  |  |
| 82 | 4/27/2023  | TWENTYMILE COAL COMPANY | GRAB | Total Dissolved Solids, Lab       | 632     | mg/L                    | L80132-02 | 5/4/2023   |  |
| 82 | 5/4/2023   | TWENTYMILE COAL COMPANY | GRAB | Flow                              | 0       | MILLION GALLONS PER DAY |           | 5/4/2023   |  |
| 84 | 10/5/2022  | TWENTYMILE COAL COMPANY | GRAB | Flow                              | 1.1362  | MILLION GALLONS PER DAY |           | 10/5/2022  |  |
| 84 | 10/5/2022  | TWENTYMILE COAL COMPANY | GRAB | pH, Field                         | 8.2     | S.U.                    |           | 10/5/2022  |  |
| 84 | 10/5/2022  |                         | GRAB | Solids, Settleable                | < 0.49  | mL/L                    | L76391-02 | 10/5/2022  |  |
| 84 | 10/5/2022  |                         | GRAB | Solids, Total Suspended           | 5       | mg/L                    | L76391-02 | 10/12/2022 |  |
| 84 | 10/5/2022  | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field      | 4400    | UMHOS/CM                |           | 10/5/2022  |  |
| 84 | 10/5/2022  | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field                | 16      | Deg C                   |           | 10/5/2022  |  |
| 84 | 10/5/2022  |                         | GRAB | Iron, Total Recoverable           | 0.215   | mg/L                    | L76391-03 | 10/14/2022 |  |
| 84 | 10/5/2022  |                         | GRAB | pH Temperature                    | 20.6    | Deg C                   | L76391-03 | 10/6/2022  |  |
| 84 | 10/5/2022  |                         | GRAB | pH, Lab                           | 8.5     | S.U.                    | L76391-03 | 10/6/2022  |  |
| 84 | 10/12/2022 | TWENTYMILE COAL COMPANY | GRAB | Flow                              | 1.1362  | MILLION GALLONS PER DAY |           | 10/12/2022 |  |
| 84 | 10/12/2022 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                         | 8.2     | S.U.                    |           | 10/12/2022 |  |
| 84 | 10/12/2022 |                         | GRAB | Solids, Settleable                | < 0.49  | mL/L                    | L76591-02 | 10/12/2022 |  |
| 84 | 10/12/2022 |                         | GRAB | Solids, Total Suspended           | < 20    | mg/L                    | L76591-02 | 10/17/2022 |  |
| 84 | 10/12/2022 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field      | 4590    | UMHOS/CM                |           | 10/12/2022 |  |
| 84 | 10/12/2022 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field                | 13.9    | Deg C                   |           | 10/12/2022 |  |
| 84 | 10/12/2022 |                         | GRAB | Arsenic, Total                    | 0.00024 | mg/L                    | L76591-03 | 10/19/2022 |  |
| 84 | 10/12/2022 |                         | GRAB | Chromium, Potentially Dissolvable | < 0.002 | mg/L                    | L76591-03 | 10/19/2022 |  |

|    |            |                         |      |                                   |           |                         |           |            |  |
|----|------------|-------------------------|------|-----------------------------------|-----------|-------------------------|-----------|------------|--|
| 84 | 10/12/2022 |                         | GRAB | Chromium-6, Dissolved             | < 0.02    | mg/L                    | L76591-03 | 10/12/2022 |  |
| 84 | 10/12/2022 |                         | GRAB | Lead, Potentially Dissolvable     | < 0.0005  | mg/L                    | L76591-03 | 10/19/2022 |  |
| 84 | 10/12/2022 |                         | GRAB | Nickel, Potentially Dissolvable   | 0.112     | mg/L                    | L76591-03 | 10/18/2022 |  |
| 84 | 10/12/2022 |                         | GRAB | Selenium, Potentially Dissolvable | < 0.00025 | mg/L                    | L76591-03 | 10/19/2022 |  |
| 84 | 10/12/2022 |                         | GRAB | Zinc, Potentially Dissolvable     | < 0.05    | mg/L                    | L76591-03 | 10/18/2022 |  |
| 84 | 10/19/2022 | TWENTYMILE COAL COMPANY | GRAB | Flow                              | 1.1367    | MILLION GALLONS PER DAY |           | 10/19/2022 |  |
| 84 | 10/19/2022 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                         | 8.1       | S.U.                    |           | 10/19/2022 |  |
| 84 | 10/19/2022 |                         | GRAB | Solids, Settleable                | < 0.5     | mL/L                    | L76749-02 | 10/19/2022 |  |
| 84 | 10/19/2022 |                         | GRAB | Solids, Total Suspended           | < 20      | mg/L                    | L76749-02 | 10/25/2022 |  |
| 84 | 10/19/2022 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field      | 4570      | UMHOS/CM                |           | 10/19/2022 |  |
| 84 | 10/19/2022 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field                | 12.5      | Deg C                   |           | 10/19/2022 |  |
| 84 | 10/19/2022 |                         | GRAB | Iron, Total Recoverable           | 0.34      | mg/L                    | L76749-03 | 10/26/2022 |  |
| 84 | 10/19/2022 |                         | GRAB | pH Temperature                    | 22        | Deg C                   | L76749-03 | 11/3/2022  |  |
| 84 | 10/19/2022 |                         | GRAB | pH, Lab                           | 8.4       | S.U.                    | L76749-03 | 11/3/2022  |  |
| 84 | 10/26/2022 |                         | GRAB | Solids, Settleable                | < 0.5     | mL/L                    | L76883-02 | 10/26/2022 |  |
| 84 | 10/26/2022 |                         | GRAB | Solids, Total Suspended           | < 20      | mg/L                    | L76883-02 | 11/1/2022  |  |
| 84 | 10/26/2022 |                         | GRAB | Copper, Potentially Dissolvable   | < 0.1     | mg/L                    | L76883-03 | 11/7/2022  |  |
| 84 | 10/26/2022 | TWENTYMILE COAL COMPANY | GRAB | Flow                              | 1.1362    | MILLION GALLONS PER DAY |           | 10/26/2022 |  |
| 84 | 10/26/2022 |                         | GRAB | Iron, Total                       | 0.182     | mg/L                    | L76883-03 | 11/5/2022  |  |
| 84 | 10/26/2022 |                         | GRAB | Mercury, Total                    | < 0.001   | mg/L                    | L76883-03 | 10/31/2022 |  |
| 84 | 10/26/2022 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                         | 8.3       | S.U.                    |           | 10/26/2022 |  |
| 84 | 10/26/2022 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field      | 4580      | UMHOS/CM                |           | 10/26/2022 |  |
| 84 | 10/26/2022 |                         | GRAB | Specific Conductivity, Lab        | 4780      | ums/cm                  | L76883-03 | 11/4/2022  |  |
| 84 | 10/26/2022 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field                | 9.5       | Deg C                   |           | 10/26/2022 |  |
| 84 | 10/26/2022 |                         | GRAB | Total Dissolved Solids, Lab       | 3450      | mg/L                    | L76883-03 | 11/2/2022  |  |
| 84 | 11/2/2022  | TWENTYMILE COAL COMPANY | GRAB | Flow                              | 1.1362    | MILLION GALLONS PER DAY |           | 11/2/2022  |  |
| 84 | 11/2/2022  | TWENTYMILE COAL COMPANY | GRAB | pH, Field                         | 8.2       | S.U.                    |           | 11/2/2022  |  |
| 84 | 11/2/2022  |                         | GRAB | Solids, Settleable                | < 0.51    | mL/L                    | L76988-02 | 11/2/2022  |  |
| 84 | 11/2/2022  |                         | GRAB | Solids, Total Suspended           | 7         | mg/L                    | L76988-02 | 11/9/2022  |  |
| 84 | 11/2/2022  | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field      | 4480      | UMHOS/CM                |           | 11/2/2022  |  |
| 84 | 11/2/2022  | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field                | 10.7      | Deg C                   |           | 11/2/2022  |  |
| 84 | 11/2/2022  |                         | GRAB | Iron, Total Recoverable           | 0.195     | mg/L                    | L76988-03 | 11/9/2022  |  |
| 84 | 11/2/2022  |                         | GRAB | pH Temperature                    | 21.8      | Deg C                   | L76988-03 | 11/12/2022 |  |
| 84 | 11/2/2022  |                         | GRAB | pH, Lab                           | 8.5       | S.U.                    | L76988-03 | 11/12/2022 |  |
| 84 | 11/9/2022  | TWENTYMILE COAL COMPANY | GRAB | Flow                              | 1.3165    | MILLION GALLONS PER DAY |           | 11/9/2022  |  |



|    |            |                         |      |                                   |         |                         |           |            |  |
|----|------------|-------------------------|------|-----------------------------------|---------|-------------------------|-----------|------------|--|
| 84 | 11/9/2022  | TWENTYMILE COAL COMPANY | GRAB | pH, Field                         | 8.2     | S.U.                    |           | 11/9/2022  |  |
| 84 | 11/9/2022  |                         | GRAB | Solids, Settleable                | < 0.5   | mL/L                    | L77122-02 | 11/9/2022  |  |
| 84 | 11/9/2022  |                         | GRAB | Solids, Total Suspended           | 17      | mg/L                    | L77122-02 | 11/16/2022 |  |
| 84 | 11/9/2022  | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field      | 4330    | UMHOS/CM                |           | 11/9/2022  |  |
| 84 | 11/9/2022  | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field                | 11.5    | Deg C                   |           | 11/9/2022  |  |
| 84 | 11/9/2022  |                         | GRAB | Arsenic, Total                    | 0.00027 | mg/L                    | L77122-03 | 11/22/2022 |  |
| 84 | 11/9/2022  |                         | GRAB | Chromium, Potentially Dissolvable | < 0.002 | mg/L                    | L77122-03 | 11/15/2022 |  |
| 84 | 11/9/2022  |                         | GRAB | Chromium-6, Dissolved             | < 0.02  | mg/L                    | L77122-03 | 11/9/2022  |  |
| 84 | 11/9/2022  |                         | GRAB | Lead, Potentially Dissolvable     | 0.00018 | mg/L                    | L77122-03 | 11/15/2022 |  |
| 84 | 11/9/2022  |                         | GRAB | Nickel, Potentially Dissolvable   | 0.103   | mg/L                    | L77122-03 | 11/30/2022 |  |
| 84 | 11/9/2022  |                         | GRAB | Selenium, Potentially Dissolvable | 0.00022 | mg/L                    | L77122-03 | 11/17/2022 |  |
| 84 | 11/9/2022  |                         | GRAB | Zinc, Potentially Dissolvable     | < 0.05  | mg/L                    | L77122-03 | 11/30/2022 |  |
| 84 | 11/16/2022 | TWENTYMILE COAL COMPANY | GRAB | Flow                              | 1.3165  | MILLION GALLONS PER DAY |           | 11/16/2022 |  |
| 84 | 11/16/2022 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                         | 8.5     | S.U.                    |           | 11/16/2022 |  |
| 84 | 11/16/2022 |                         | GRAB | Solids, Settleable                | < 0.52  | mL/L                    | L77259-02 | 11/16/2022 |  |
| 84 | 11/16/2022 |                         | GRAB | Solids, Total Suspended           | < 20    | mg/L                    | L77259-02 | 11/22/2022 |  |
| 84 | 11/16/2022 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field      | 4340    | UMHOS/CM                |           | 11/16/2022 |  |
| 84 | 11/16/2022 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field                | 7.5     | Deg C                   |           | 11/16/2022 |  |
| 84 | 11/16/2022 |                         | GRAB | Iron, Total Recoverable           | 0.134   | mg/L                    | L77259-03 | 12/2/2022  |  |
| 84 | 11/16/2022 |                         | GRAB | pH Temperature                    | 20.5    | Deg C                   | L77259-03 | 11/29/2022 |  |
| 84 | 11/16/2022 |                         | GRAB | pH, Lab                           | 8.5     | S.U.                    | L77259-03 | 11/29/2022 |  |
| 84 | 11/22/2022 | TWENTYMILE COAL COMPANY | GRAB | Flow                              | 1.136   | MILLION GALLONS PER DAY |           | 11/22/2022 |  |
| 84 | 11/22/2022 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                         | 8.3     | S.U.                    |           | 11/22/2022 |  |
| 84 | 11/22/2022 | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable                | < 0.51  | mL/L                    | L77377-02 | 11/22/2022 |  |
| 84 | 11/22/2022 | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended           | < 20    | mg/L                    | L77377-02 | 11/29/2022 |  |
| 84 | 11/22/2022 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field      | 4480    | UMHOS/CM                |           | 11/22/2022 |  |
| 84 | 11/22/2022 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field                | 7.3     | Deg C                   |           | 11/22/2022 |  |
| 84 | 11/30/2022 | TWENTYMILE COAL COMPANY | GRAB | Flow                              | 1.136   | MILLION GALLONS PER DAY |           | 11/30/2022 |  |
| 84 | 11/30/2022 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                         | 8.2     | S.U.                    |           | 11/30/2022 |  |
| 84 | 11/30/2022 | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable                | < 0.5   | mL/L                    | L77440-02 | 11/30/2022 |  |
| 84 | 11/30/2022 | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended           | 5       | mg/L                    | L77440-02 | 12/6/2022  |  |
| 84 | 11/30/2022 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field      | 4330    | UMHOS/CM                |           | 11/30/2022 |  |
| 84 | 11/30/2022 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field                | 8.2     | Deg C                   |           | 11/30/2022 |  |
| 84 | 12/7/2022  | TWENTYMILE COAL COMPANY | GRAB | Flow                              | 1.136   | MILLION GALLONS PER DAY |           | 12/7/2022  |  |
| 84 | 12/7/2022  | TWENTYMILE COAL COMPANY | GRAB | pH, Field                         | 8.3     | S.U.                    |           | 12/7/2022  |  |

|    |            |                         |      |                                   |           |                         |           |            |  |
|----|------------|-------------------------|------|-----------------------------------|-----------|-------------------------|-----------|------------|--|
| 84 | 12/7/2022  |                         | GRAB | Solids, Settleable                | < 0.5     | mL/L                    | L77545-02 | 12/7/2022  |  |
| 84 | 12/7/2022  |                         | GRAB | Solids, Total Suspended           | 7         | mg/L                    | L77545-02 | 12/14/2022 |  |
| 84 | 12/7/2022  | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field      | 4160      | UMHOS/CM                |           | 12/7/2022  |  |
| 84 | 12/7/2022  | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field                | 6.2       | Deg C                   |           | 12/7/2022  |  |
| 84 | 12/7/2022  |                         | GRAB | Iron, Total Recoverable           | 0.264     | mg/L                    | L77545-03 | 1/4/2023   |  |
| 84 | 12/7/2022  |                         | GRAB | pH Temperature                    | 21.9      | Deg C                   | L77545-03 | 12/30/2022 |  |
| 84 | 12/7/2022  |                         | GRAB | pH, Lab                           | 8.4       | S.U.                    | L77545-03 | 12/30/2022 |  |
| 84 | 12/14/2022 | TWENTYMILE COAL COMPANY | GRAB | Flow                              | 1.509     | MILLION GALLONS PER DAY |           | 12/14/2022 |  |
| 84 | 12/14/2022 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                         | 8.3       | S.U.                    |           | 12/14/2022 |  |
| 84 | 12/14/2022 |                         | GRAB | Solids, Settleable                | < 0.5     | mL/L                    | L77691-02 | 12/15/2022 |  |
| 84 | 12/14/2022 |                         | GRAB | Solids, Total Suspended           | 9         | mg/L                    | L77691-02 | 12/20/2022 |  |
| 84 | 12/14/2022 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field      | 4480      | UMHOS/CM                |           | 12/14/2022 |  |
| 84 | 12/14/2022 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field                | 6         | Deg C                   |           | 12/14/2022 |  |
| 84 | 12/14/2022 |                         | GRAB | Arsenic, Total                    | 0.00037   | mg/L                    | L77691-03 | 12/26/2022 |  |
| 84 | 12/14/2022 |                         | GRAB | Chromium, Potentially Dissolvable | < 0.002   | mg/L                    | L77691-03 | 12/16/2022 |  |
| 84 | 12/14/2022 |                         | GRAB | Chromium-6, Dissolved             | < 0.02    | mg/L                    | L77691-03 | 12/14/2022 |  |
| 84 | 12/14/2022 |                         | GRAB | Lead, Potentially Dissolvable     | 0.00013   | mg/L                    | L77691-03 | 12/16/2022 |  |
| 84 | 12/14/2022 |                         | GRAB | Nickel, Potentially Dissolvable   | 0.105     | mg/L                    | L77691-03 | 12/22/2022 |  |
| 84 | 12/14/2022 |                         | GRAB | Selenium, Potentially Dissolvable | < 0.00025 | mg/L                    | L77691-03 | 12/16/2022 |  |
| 84 | 12/14/2022 |                         | GRAB | Zinc, Potentially Dissolvable     | < 0.05    | mg/L                    | L77691-03 | 1/5/2023   |  |
| 84 | 12/20/2022 | TWENTYMILE COAL COMPANY | GRAB | Flow                              | 0.968     | MILLION GALLONS PER DAY |           | 12/20/2022 |  |
| 84 | 12/20/2022 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                         | 7.8       | S.U.                    |           | 12/20/2022 |  |
| 84 | 12/20/2022 |                         | GRAB | Solids, Settleable                | < 0.51    | mL/L                    | L77806-02 | 12/20/2022 |  |
| 84 | 12/20/2022 |                         | GRAB | Solids, Total Suspended           | 6         | mg/L                    | L77806-02 | 12/22/2022 |  |
| 84 | 12/20/2022 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field      | 4400      | UMHOS/CM                |           | 12/20/2022 |  |
| 84 | 12/20/2022 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field                | 5.2       | Deg C                   |           | 12/20/2022 |  |
| 84 | 12/20/2022 |                         | GRAB | Iron, Total Recoverable           | 0.196     | mg/L                    | L77806-03 | 1/10/2023  |  |
| 84 | 12/20/2022 |                         | GRAB | pH Temperature                    | 22.6      | Deg C                   | L77806-03 | 1/11/2023  |  |
| 84 | 12/20/2022 |                         | GRAB | pH, Lab                           | 8.4       | S.U.                    | L77806-03 | 1/11/2023  |  |
| 84 | 12/28/2022 | TWENTYMILE COAL COMPANY | GRAB | Flow                              | 1.929     | MILLION GALLONS PER DAY |           | 12/28/2022 |  |
| 84 | 12/28/2022 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                         | 8         | S.U.                    |           | 12/28/2022 |  |
| 84 | 12/28/2022 | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable                | < 0.49    | mL/L                    | L77924-03 | 12/28/2022 |  |
| 84 | 12/28/2022 | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended           | 6         | mg/L                    | L77924-03 | 1/4/2023   |  |
| 84 | 12/28/2022 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field      | 4590      | UMHOS/CM                |           | 12/28/2022 |  |
| 84 | 12/28/2022 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field                | 6.2       | Deg C                   |           | 12/28/2022 |  |

|    |           |                         |      |                                   |         |                         |           |           |  |
|----|-----------|-------------------------|------|-----------------------------------|---------|-------------------------|-----------|-----------|--|
| 84 | 1/4/2023  | TWENTYMILE COAL COMPANY | GRAB | Flow                              | 2.157   | MILLION GALLONS PER DAY |           | 1/4/2023  |  |
| 84 | 1/4/2023  | TWENTYMILE COAL COMPANY | GRAB | pH, Field                         | 8.2     | S.U.                    |           | 1/4/2023  |  |
| 84 | 1/4/2023  |                         | GRAB | Solids, Settleable                | < 0.51  | mL/L                    | L77986-02 | 1/4/2023  |  |
| 84 | 1/4/2023  |                         | GRAB | Solids, Total Suspended           | < 20    | mg/L                    | L77986-02 | 1/11/2023 |  |
| 84 | 1/4/2023  | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field      | 4250    | UMHOS/CM                |           | 1/4/2023  |  |
| 84 | 1/4/2023  | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field                | 6.1     | Deg C                   |           | 1/4/2023  |  |
| 84 | 1/4/2023  |                         | GRAB | Iron, Total Recoverable           | 0.075   | mg/L                    | L77986-03 | 1/21/2023 |  |
| 84 | 1/4/2023  |                         | GRAB | pH Temperature                    | 22.2    | Deg C                   | L77986-03 | 1/12/2023 |  |
| 84 | 1/4/2023  |                         | GRAB | pH, Lab                           | 8.4     | S.U.                    | L77986-03 | 1/12/2023 |  |
| 84 | 1/12/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                              | 1.929   | MILLION GALLONS PER DAY |           | 1/12/2023 |  |
| 84 | 1/12/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                         | 8.2     | S.U.                    |           | 1/12/2023 |  |
| 84 | 1/12/2023 |                         | GRAB | Solids, Settleable                | < 0.51  | mL/L                    | L78189-03 | 1/12/2023 |  |
| 84 | 1/12/2023 |                         | GRAB | Solids, Total Suspended           | 6       | mg/L                    | L78189-03 | 1/18/2023 |  |
| 84 | 1/12/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field      | 4580    | UMHOS/CM                |           | 1/12/2023 |  |
| 84 | 1/12/2023 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field                | 2.6     | Deg C                   |           | 1/12/2023 |  |
| 84 | 1/12/2023 |                         | GRAB | Arsenic, Total                    | 0.00038 | mg/L                    | L78189-04 | 1/23/2023 |  |
| 84 | 1/12/2023 |                         | GRAB | Chromium, Potentially Dissolvable | < 0.002 | mg/L                    | L78189-04 | 1/19/2023 |  |
| 84 | 1/12/2023 |                         | GRAB | Chromium-6, Dissolved             | < 0.02  | mg/L                    | L78189-04 | 1/12/2023 |  |
| 84 | 1/12/2023 |                         | GRAB | Lead, Potentially Dissolvable     | 0.00023 | mg/L                    | L78189-04 | 1/20/2023 |  |
| 84 | 1/12/2023 |                         | GRAB | Nickel, Potentially Dissolvable   | 0.104   | mg/L                    | L78189-04 | 1/16/2023 |  |
| 84 | 1/12/2023 |                         | GRAB | Selenium, Potentially Dissolvable | 0.00014 | mg/L                    | L78189-04 | 1/19/2023 |  |
| 84 | 1/12/2023 |                         | GRAB | Zinc, Potentially Dissolvable     | < 0.05  | mg/L                    | L78189-04 | 1/16/2023 |  |
| 84 | 1/18/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                              | 2.396   | MILLION GALLONS PER DAY |           | 1/18/2023 |  |
| 84 | 1/18/2023 |                         | GRAB | pH, Field                         | 8.3     | S.U.                    | L78263-02 | 1/18/2023 |  |
| 84 | 1/18/2023 |                         | GRAB | Solids, Settleable                | < 0.5   | mL/L                    | L78263-02 | 1/18/2023 |  |
| 84 | 1/18/2023 |                         | GRAB | Solids, Total Suspended           | 9       | mg/L                    | L78263-02 | 1/25/2023 |  |
| 84 | 1/18/2023 |                         | GRAB | Specific Conductivity, Field      | 4370    | ums/cm                  | L78263-02 | 1/18/2023 |  |
| 84 | 1/18/2023 |                         | GRAB | Temperature, Field                | 6       | Deg C                   | L78263-02 | 1/18/2023 |  |
| 84 | 1/18/2023 |                         | GRAB | Copper, Potentially Dissolvable   | < 0.1   | mg/L                    | L78263-03 | 1/26/2023 |  |
| 84 | 1/18/2023 |                         | GRAB | Iron, Total                       | 0.17    | mg/L                    | L78263-03 | 1/31/2023 |  |
| 84 | 1/18/2023 |                         | GRAB | Mercury, Total                    | < 0.001 | mg/L                    | L78263-03 | 1/23/2023 |  |
| 84 | 1/18/2023 |                         | GRAB | Specific Conductivity, Lab        | 4630    | ums/cm                  | L78263-03 | 1/24/2023 |  |
| 84 | 1/18/2023 |                         | GRAB | Total Dissolved Solids, Lab       | 3410    | mg/L                    | L78263-03 | 1/25/2023 |  |
| 84 | 1/18/2023 |                         | GRAB | Iron, Total Recoverable           | 0.185   | mg/L                    | L78263-04 | 1/31/2023 |  |
| 84 | 1/18/2023 |                         | GRAB | pH Temperature                    | 21.9    | Deg C                   | L78263-04 | 1/24/2023 |  |
| 84 | 1/18/2023 |                         | GRAB | pH, Lab                           | 8.4     | S.U.                    | L78263-04 | 1/24/2023 |  |

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|----|-----------|-------------------------|------|-----------------------------------|----------|-------------------------|-----------|-----------|--|
| 84 | 1/25/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                              | 1.136    | MILLION GALLONS PER DAY |           | 1/25/2023 |  |
| 84 | 1/25/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                         | 8.3      | S.U.                    | L78356-02 | 1/25/2023 |  |
| 84 | 1/25/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable                | < 0.5    | mL/L                    | L78356-02 | 1/25/2023 |  |
| 84 | 1/25/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended           | < 20     | mg/L                    | L78356-02 | 1/31/2023 |  |
| 84 | 1/25/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field      | 4310     | ums/cm                  | L78356-02 | 1/25/2023 |  |
| 84 | 1/25/2023 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field                | 5.8      | Deg C                   | L78356-02 | 1/25/2023 |  |
| 84 | 2/1/2023  | TWENTYMILE COAL COMPANY | GRAB | Flow                              | 1.929    | MILLION GALLONS PER DAY |           | 2/1/2023  |  |
| 84 | 2/1/2023  |                         | GRAB | Iron, Total Recoverable           | 0.173    | mg/L                    | L78453-03 | 2/16/2023 |  |
| 84 | 2/1/2023  |                         | GRAB | pH Temperature                    | 22.8     | Deg C                   | L78453-03 | 2/14/2023 |  |
| 84 | 2/1/2023  |                         | GRAB | pH, Field                         | 8.3      | S.U.                    | L78453-02 | 2/1/2023  |  |
| 84 | 2/1/2023  |                         | GRAB | pH, Lab                           | 8.3      | S.U.                    | L78453-03 | 2/14/2023 |  |
| 84 | 2/1/2023  |                         | GRAB | Solids, Settleable                | < 0.51   | mL/L                    | L78453-02 | 2/1/2023  |  |
| 84 | 2/1/2023  |                         | GRAB | Solids, Total Suspended           | 8        | mg/L                    | L78453-02 | 2/6/2023  |  |
| 84 | 2/1/2023  |                         | GRAB | Specific Conductivity, Field      | 4450     | ums/cm                  | L78453-02 | 2/1/2023  |  |
| 84 | 2/1/2023  |                         | GRAB | Temperature, Field                | 3.7      | Deg C                   | L78453-02 | 2/1/2023  |  |
| 84 | 2/8/2023  |                         | GRAB | Arsenic, Total                    | < 0.002  | mg/L                    | L78573-03 | 2/15/2023 |  |
| 84 | 2/8/2023  |                         | GRAB | Chromium, Potentially Dissolvable | < 0.004  | mg/L                    | L78573-03 | 2/15/2023 |  |
| 84 | 2/8/2023  |                         | GRAB | Chromium-6, Dissolved             | < 0.02   | mg/L                    | L78573-03 | 2/8/2023  |  |
| 84 | 2/8/2023  | TWENTYMILE COAL COMPANY | GRAB | Flow                              | 1.929    | MILLION GALLONS PER DAY |           | 2/8/2023  |  |
| 84 | 2/8/2023  |                         | GRAB | Lead, Potentially Dissolvable     | < 0.001  | mg/L                    | L78573-03 | 2/13/2023 |  |
| 84 | 2/8/2023  |                         | GRAB | Nickel, Potentially Dissolvable   | 0.111    | mg/L                    | L78573-03 | 2/13/2023 |  |
| 84 | 2/8/2023  |                         | GRAB | pH, Field                         | 8.3      | S.U.                    | L78573-02 | 2/8/2023  |  |
| 84 | 2/8/2023  |                         | GRAB | pH, Field                         | 8.1      | S.U.                    | L78573-03 | 2/8/2023  |  |
| 84 | 2/8/2023  |                         | GRAB | Selenium, Potentially Dissolvable | < 0.0005 | mg/L                    | L78573-03 | 2/13/2023 |  |
| 84 | 2/8/2023  |                         | GRAB | Solids, Settleable                | < 0.53   | mL/L                    | L78573-02 | 2/8/2023  |  |
| 84 | 2/8/2023  |                         | GRAB | Solids, Total Suspended           | < 20     | mg/L                    | L78573-02 | 2/15/2023 |  |
| 84 | 2/8/2023  |                         | GRAB | Specific Conductivity, Field      | 3410     | ums/cm                  | L78573-03 | 2/8/2023  |  |
| 84 | 2/8/2023  |                         | GRAB | Specific Conductivity, Field      | 4350     | ums/cm                  | L78573-02 | 2/8/2023  |  |
| 84 | 2/8/2023  |                         | GRAB | Temperature, Field                | 7.3      | Deg C                   | L78573-02 | 2/8/2023  |  |
| 84 | 2/8/2023  |                         | GRAB | Temperature, Field                | 4.2      | Deg C                   | L78573-03 | 2/8/2023  |  |
| 84 | 2/8/2023  |                         | GRAB | Zinc, Potentially Dissolvable     | < 0.1    | mg/L                    | L78573-03 | 2/13/2023 |  |
| 84 | 2/15/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                              | 1.885    | MILLION GALLONS PER DAY |           | 2/15/2023 |  |
| 84 | 2/15/2023 |                         | GRAB | Iron, Total Recoverable           | < 0.3    | mg/L                    | L78718-03 | 2/28/2023 |  |
| 84 | 2/15/2023 |                         | GRAB | pH Temperature                    | 22.1     | Deg C                   | L78718-03 | 3/10/2023 |  |
| 84 | 2/15/2023 |                         | GRAB | pH, Field                         | 8.5      | S.U.                    | L78718-03 | 2/15/2023 |  |

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|----|-----------|-------------------------|------|-----------------------------------|---------|-------------------------|-----------|-----------|--|
| 84 | 2/15/2023 |                         | GRAB | pH, Field                         | 8.5     | S.U.                    | L78718-02 | 2/15/2023 |  |
| 84 | 2/15/2023 |                         | GRAB | pH, Lab                           | 8.4     | S.U.                    | L78718-03 | 3/10/2023 |  |
| 84 | 2/15/2023 |                         | GRAB | Solids, Settleable                | < 0.52  | mL/L                    | L78718-02 | 2/15/2023 |  |
| 84 | 2/15/2023 |                         | GRAB | Solids, Total Suspended           | 8       | mg/L                    | L78718-02 | 2/22/2023 |  |
| 84 | 2/15/2023 |                         | GRAB | Specific Conductivity, Field      | 4460    | ums/cm                  | L78718-03 | 2/15/2023 |  |
| 84 | 2/15/2023 |                         | GRAB | Specific Conductivity, Field      | 4460    | ums/cm                  | L78718-02 | 2/15/2023 |  |
| 84 | 2/15/2023 |                         | GRAB | Temperature, Field                | 4.6     | Deg C                   | L78718-02 | 2/15/2023 |  |
| 84 | 2/15/2023 |                         | GRAB | Temperature, Field                | 4.6     | Deg C                   | L78718-03 | 2/15/2023 |  |
| 84 | 2/21/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                              | 1.929   | MILLION GALLONS PER DAY |           | 2/21/2023 |  |
| 84 | 2/21/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                         | 8.2     | S.U.                    | L78867-02 | 2/21/2023 |  |
| 84 | 2/21/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable                | < 0.5   | mL/L                    | L78867-02 | 2/21/2023 |  |
| 84 | 2/21/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended           | 7       | mg/L                    | L78867-02 | 3/6/2023  |  |
| 84 | 2/21/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field      | 4180    | ums/cm                  | L78867-02 | 2/21/2023 |  |
| 84 | 2/21/2023 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field                | 5       | Deg C                   | L78867-02 | 2/21/2023 |  |
| 84 | 3/2/2023  | TWENTYMILE COAL COMPANY | GRAB | Flow                              | 1.885   | MILLION GALLONS PER DAY |           | 3/2/2023  |  |
| 84 | 3/2/2023  | TWENTYMILE COAL COMPANY | GRAB | Iron, Total Recoverable           | 0.187   | mg/L                    | L79040-02 | 3/14/2023 |  |
| 84 | 3/2/2023  | TWENTYMILE COAL COMPANY | GRAB | pH Temperature                    | 22.7    | Deg C                   | L79040-02 | 3/10/2023 |  |
| 84 | 3/2/2023  | TWENTYMILE COAL COMPANY | GRAB | pH, Field                         | 3.2     | S.U.                    | L79040-02 | 3/2/2023  |  |
| 84 | 3/2/2023  | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                           | 8.4     | S.U.                    | L79040-02 | 3/10/2023 |  |
| 84 | 3/2/2023  | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable                | < 0.51  | mL/L                    | L79040-02 | 3/2/2023  |  |
| 84 | 3/2/2023  | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended           | 9       | mg/L                    | L79040-02 | 3/6/2023  |  |
| 84 | 3/2/2023  | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field      | 4590    | ums/cm                  | L79040-02 | 3/2/2023  |  |
| 84 | 3/2/2023  | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field                | 8.4     | Deg C                   | L79040-02 | 3/2/2023  |  |
| 84 | 3/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Arsenic, Total                    | 0.00052 | mg/L                    | L79099-02 | 3/21/2023 |  |
| 84 | 3/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Chromium, Potentially Dissolvable | < 0.004 | mg/L                    | L79099-02 | 3/14/2023 |  |
| 84 | 3/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Chromium-6, Dissolved             | < 0.02  | mg/L                    | L79099-02 | 3/7/2023  |  |
| 84 | 3/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Flow                              | 1.929   | MILLION GALLONS PER DAY |           | 3/7/2023  |  |
| 84 | 3/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Lead, Potentially Dissolvable     | 0.00086 | mg/L                    | L79099-02 | 3/14/2023 |  |
| 84 | 3/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Nickel, Potentially Dissolvable   | 0.103   | mg/L                    | L79099-02 | 3/15/2023 |  |
| 84 | 3/7/2023  | TWENTYMILE COAL COMPANY | GRAB | pH, Field                         | 7.3     | S.U.                    | L79099-02 | 3/7/2023  |  |
| 84 | 3/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Selenium, Potentially Dissolvable | 0.00039 | mg/L                    | L79099-02 | 3/14/2023 |  |
| 84 | 3/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable                | < 0.53  | mL/L                    | L79099-02 | 3/7/2023  |  |
| 84 | 3/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended           | 34      | mg/L                    | L79099-02 | 3/14/2023 |  |
| 84 | 3/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field      | 4390    | ums/cm                  | L79099-02 | 3/7/2023  |  |
| 84 | 3/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field                | 6.9     | Deg C                   | L79099-02 | 3/7/2023  |  |
| 84 | 3/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Zinc, Potentially Dissolvable     | < 0.1   | mg/L                    | L79099-02 | 3/15/2023 |  |

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|----|-----------|-------------------------|------|-----------------------------------|---------|-------------------------|-----------|-----------|--|
| 84 | 3/15/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                              | 1.929   | MILLION GALLONS PER DAY |           | 3/15/2023 |  |
| 84 | 3/15/2023 | TWENTYMILE COAL COMPANY | GRAB | Iron, Total Recoverable           | 0.376   | mg/L                    | L79258-02 | 3/28/2023 |  |
| 84 | 3/15/2023 | TWENTYMILE COAL COMPANY | GRAB | pH Temperature                    | 22.1    | Deg C                   | L79258-02 | 3/21/2023 |  |
| 84 | 3/15/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                         | 8.3     | S.U.                    | L79258-02 | 3/15/2023 |  |
| 84 | 3/15/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                           | 8.4     | S.U.                    | L79258-02 | 3/21/2023 |  |
| 84 | 3/15/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable                | < 0.49  | mL/L                    | L79258-02 | 3/15/2023 |  |
| 84 | 3/15/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended           | 21      | mg/L                    | L79258-02 | 3/22/2023 |  |
| 84 | 3/15/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field      | 4350    | ums/cm                  | L79258-02 | 3/15/2023 |  |
| 84 | 3/15/2023 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field                | 9.9     | Deg C                   | L79258-02 | 3/15/2023 |  |
| 84 | 3/22/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                              | 1.885   | MILLION GALLONS PER DAY |           | 3/22/2023 |  |
| 84 | 3/22/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                         | 8.2     | S.U.                    | L79385-02 | 3/22/2023 |  |
| 84 | 3/22/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable                | < 0.51  | mL/L                    | L79385-02 | 3/22/2023 |  |
| 84 | 3/22/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended           | 6       | mg/L                    | L79385-02 | 3/28/2023 |  |
| 84 | 3/22/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field      | 4330    | ums/cm                  | L79385-02 | 3/22/2023 |  |
| 84 | 3/22/2023 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field                | 7.5     | Deg C                   | L79385-02 | 3/22/2023 |  |
| 84 | 3/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                              | 1.713   | MILLION GALLONS PER DAY |           | 3/29/2023 |  |
| 84 | 3/29/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                         | 8.2     | S.U.                    | L79510-02 | 3/29/2023 |  |
| 84 | 3/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable                | < 0.49  | mL/L                    | L79510-02 | 3/29/2023 |  |
| 84 | 3/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended           | 29      | mg/L                    | L79510-02 | 4/4/2023  |  |
| 84 | 3/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field      | 4520    | ums/cm                  | L79510-02 | 3/29/2023 |  |
| 84 | 3/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field                | 7.2     | Deg C                   | L79510-02 | 3/29/2023 |  |
| 84 | 4/5/2023  | TWENTYMILE COAL COMPANY | GRAB | Flow                              | 2.157   | MILLION GALLONS PER DAY |           | 4/5/2023  |  |
| 84 | 4/5/2023  | TWENTYMILE COAL COMPANY | GRAB | Iron, Total Recoverable           | 0.398   | mg/L                    | L79638-02 | 4/14/2023 |  |
| 84 | 4/5/2023  | TWENTYMILE COAL COMPANY | GRAB | pH Temperature                    | 21.4    | Deg C                   | L79638-02 | 4/13/2023 |  |
| 84 | 4/5/2023  | TWENTYMILE COAL COMPANY | GRAB | pH, Field                         | 8.4     | S.U.                    | L79638-02 | 4/5/2023  |  |
| 84 | 4/5/2023  | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                           | 8.3     | S.U.                    | L79638-02 | 4/13/2023 |  |
| 84 | 4/5/2023  | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable                | < 0.49  | mL/L                    | L79638-02 | 4/5/2023  |  |
| 84 | 4/5/2023  | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended           | 37      | mg/L                    | L79638-02 | 4/12/2023 |  |
| 84 | 4/5/2023  | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field      | 3960    | ums/cm                  | L79638-02 | 4/5/2023  |  |
| 84 | 4/5/2023  | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field                | 10.8    | Deg C                   | L79638-02 | 4/5/2023  |  |
| 84 | 4/12/2023 | TWENTYMILE COAL COMPANY | GRAB | Arsenic, Total                    | 0.00078 | mg/L                    | L79816-02 | 4/20/2023 |  |
| 84 | 4/12/2023 | TWENTYMILE COAL COMPANY | GRAB | Chromium, Potentially Dissolvable | < 0.004 | mg/L                    | L79816-02 | 4/17/2023 |  |
| 84 | 4/12/2023 | TWENTYMILE COAL COMPANY | GRAB | Chromium-6, Dissolved             | < 0.02  | mg/L                    | L79816-02 | 4/12/2023 |  |
| 84 | 4/12/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                              | 2.396   | MILLION GALLONS PER DAY |           | 4/12/2023 |  |
| 84 | 4/12/2023 | TWENTYMILE COAL COMPANY | GRAB | Lead, Potentially Dissolvable     | 0.00048 | mg/L                    | L79816-02 | 4/17/2023 |  |

|    |           |                         |      |                                   |         |                         |           |           |  |
|----|-----------|-------------------------|------|-----------------------------------|---------|-------------------------|-----------|-----------|--|
| 84 | 4/12/2023 | TWENTYMILE COAL COMPANY | GRAB | Nickel, Potentially Dissolvable   | 0.0696  | mg/L                    | L79816-02 | 4/21/2023 |  |
| 84 | 4/12/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                         | 8.1     | S.U.                    | L79816-02 | 4/12/2023 |  |
| 84 | 4/12/2023 | TWENTYMILE COAL COMPANY | GRAB | Selenium, Potentially Dissolvable | 0.005   | mg/L                    | L79816-02 | 4/25/2023 |  |
| 84 | 4/12/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable                | < 0.51  | mL/L                    | L79816-02 | 4/12/2023 |  |
| 84 | 4/12/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended           | 37      | mg/L                    | L79816-02 | 4/18/2023 |  |
| 84 | 4/12/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field      | 3630    | ums/cm                  | L79816-02 | 4/12/2023 |  |
| 84 | 4/12/2023 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field                | 14      | Deg C                   | L79816-02 | 4/12/2023 |  |
| 84 | 4/12/2023 | TWENTYMILE COAL COMPANY | GRAB | Zinc, Potentially Dissolvable     | < 0.1   | mg/L                    | L79816-02 | 4/21/2023 |  |
| 84 | 4/18/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                              | 2.347   | MILLION GALLONS PER DAY |           | 4/18/2023 |  |
| 84 | 4/18/2023 | TWENTYMILE COAL COMPANY | GRAB | Iron, Total Recoverable           | 0.938   | mg/L                    | L79932-03 | 5/2/2023  |  |
| 84 | 4/18/2023 | TWENTYMILE COAL COMPANY | GRAB | pH Temperature                    | 21.4    | Deg C                   | L79932-03 | 5/15/2023 |  |
| 84 | 4/18/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                         | 7.9     | S.U.                    | L79932-03 | 4/18/2023 |  |
| 84 | 4/18/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                           | 8.3     | S.U.                    | L79932-03 | 5/15/2023 |  |
| 84 | 4/18/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable                | < 0.51  | mL/L                    | L79932-03 | 4/18/2023 |  |
| 84 | 4/18/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended           | 17      | mg/L                    | L79932-03 | 4/24/2023 |  |
| 84 | 4/18/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field      | 3990    | ums/cm                  | L79932-03 | 4/18/2023 |  |
| 84 | 4/18/2023 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field                | 10.4    | Deg C                   | L79932-03 | 4/18/2023 |  |
| 84 | 4/27/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                              | 1.929   | MILLION GALLONS PER DAY |           | 4/27/2023 |  |
| 84 | 4/27/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                         | 8.2     | S.U.                    | L80132-03 | 4/27/2023 |  |
| 84 | 4/27/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable                | < 0.49  | mL/L                    | L80132-03 | 4/28/2023 |  |
| 84 | 4/27/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended           | 11      | mg/L                    | L80132-03 | 5/3/2023  |  |
| 84 | 4/27/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field      | 3270    | ums/cm                  | L80132-03 | 4/27/2023 |  |
| 84 | 4/27/2023 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field                | 14      | Deg C                   | L80132-03 | 4/27/2023 |  |
| 84 | 5/4/2023  | TWENTYMILE COAL COMPANY | GRAB | Copper, Potentially Dissolvable   | < 0.1   | mg/L                    | L80247-02 | 5/11/2023 |  |
| 84 | 5/4/2023  | TWENTYMILE COAL COMPANY | GRAB | Flow                              | 2.438   | MILLION GALLONS PER DAY |           | 5/4/2023  |  |
| 84 | 5/4/2023  | TWENTYMILE COAL COMPANY | GRAB | Iron, Total                       | < 0.3   | mg/L                    | L80247-02 | 5/13/2023 |  |
| 84 | 5/4/2023  | TWENTYMILE COAL COMPANY | GRAB | Iron, Total Recoverable           | < 0.75  | mg/L                    | L80247-02 | 5/16/2023 |  |
| 84 | 5/4/2023  | TWENTYMILE COAL COMPANY | GRAB | Mercury, Total                    | < 0.001 | mg/L                    | L80247-02 | 5/8/2023  |  |
| 84 | 5/4/2023  | TWENTYMILE COAL COMPANY | GRAB | pH Temperature                    | 22      | Deg C                   | L80247-02 | 5/19/2023 |  |
| 84 | 5/4/2023  | TWENTYMILE COAL COMPANY | GRAB | pH, Field                         | 7.9     | S.U.                    | L80247-02 | 5/4/2023  |  |
| 84 | 5/4/2023  | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                           | 8.3     | S.U.                    | L80247-02 | 5/19/2023 |  |
| 84 | 5/4/2023  | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable                | < 0.52  | mL/L                    | L80247-02 | 5/4/2023  |  |
| 84 | 5/4/2023  | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended           | 7       | mg/L                    | L80247-02 | 5/10/2023 |  |
| 84 | 5/4/2023  | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field      | 4140    | ums/cm                  | L80247-02 | 5/4/2023  |  |
| 84 | 5/4/2023  | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Lab        | 4430    | ums/cm                  | L80247-02 | 5/19/2023 |  |
| 84 | 5/4/2023  | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field                | 16.1    | Deg C                   | L80247-02 | 5/4/2023  |  |

|    |           |                         |      |                                   |         |                         |           |           |  |
|----|-----------|-------------------------|------|-----------------------------------|---------|-------------------------|-----------|-----------|--|
| 84 | 5/4/2023  | TWENTYMILE COAL COMPANY | GRAB | Total Dissolved Solids, Lab       | 4200    | mg/L                    | L80247-02 | 5/11/2023 |  |
| 84 | 5/10/2023 | TWENTYMILE COAL COMPANY | GRAB | Arsenic, Total                    | < 0.002 | mg/L                    | L80395-02 | 5/26/2023 |  |
| 84 | 5/10/2023 | TWENTYMILE COAL COMPANY | GRAB | Chromium, Potentially Dissolvable | < 0.004 | mg/L                    | L80395-02 | 5/22/2023 |  |
| 84 | 5/10/2023 | TWENTYMILE COAL COMPANY | GRAB | Chromium-6, Dissolved             | < 0.02  | mg/L                    | L80395-02 | 5/10/2023 |  |
| 84 | 5/10/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                              | 1.841   | MILLION GALLONS PER DAY |           | 5/10/2023 |  |
| 84 | 5/10/2023 | TWENTYMILE COAL COMPANY | GRAB | Lead, Potentially Dissolvable     | < 0.001 | mg/L                    | L80395-02 | 5/22/2023 |  |
| 84 | 5/10/2023 | TWENTYMILE COAL COMPANY | GRAB | Nickel, Potentially Dissolvable   | < 0.08  | mg/L                    | L80395-02 | 5/22/2023 |  |
| 84 | 5/10/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                         | 8.1     | S.U.                    | L80395-02 | 5/10/2023 |  |
| 84 | 5/10/2023 | TWENTYMILE COAL COMPANY | GRAB | Selenium, Potentially Dissolvable | 0.00831 | mg/L                    | L80395-02 | 5/22/2023 |  |
| 84 | 5/10/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable                | < 0.49  | mL/L                    | L80395-02 | 5/10/2023 |  |
| 84 | 5/10/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended           | 7       | mg/L                    | L80395-02 | 5/16/2023 |  |
| 84 | 5/10/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field      | 4100    | ums/cm                  | L80395-02 | 5/10/2023 |  |
| 84 | 5/10/2023 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field                | 15.7    | Deg C                   | L80395-02 | 5/10/2023 |  |
| 84 | 5/10/2023 | TWENTYMILE COAL COMPANY | GRAB | Zinc, Potentially Dissolvable     | < 0.1   | mg/L                    | L80395-02 | 5/22/2023 |  |
| 84 | 5/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                              | 1.279   | MILLION GALLONS PER DAY |           | 5/17/2023 |  |
| 84 | 5/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Iron, Total Recoverable           | < 0.3   | mg/L                    | L80529-02 | 5/23/2023 |  |
| 84 | 5/17/2023 | TWENTYMILE COAL COMPANY | GRAB | pH Temperature                    | 21.3    | Deg C                   | L80529-02 | 5/24/2023 |  |
| 84 | 5/17/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                         | 8.2     | S.U.                    | 80529-02  | 5/17/2023 |  |
| 84 | 5/17/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                           | 8.3     | S.U.                    | L80529-02 | 5/24/2023 |  |
| 84 | 5/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable                | < 0.5   | mL/L                    | L80529-02 | 5/17/2023 |  |
| 84 | 5/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended           | 6       | mg/L                    | L80529-02 | 5/23/2023 |  |
| 84 | 5/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field      | 3980    | ums/cm                  | 80529-02  | 5/17/2023 |  |
| 84 | 5/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field                | 18      | Deg C                   | 80529-02  | 5/17/2023 |  |
| 84 | 5/24/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                              | 1.469   | MILLION GALLONS PER DAY |           | 5/24/2023 |  |
| 84 | 5/24/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                         | 8.1     | S.U.                    | L80639-02 | 5/24/2023 |  |
| 84 | 5/24/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable                | < 0.52  | mL/L                    | L80639-02 | 5/24/2023 |  |
| 84 | 5/24/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended           | 5       | mg/L                    | L80639-02 | 5/30/2023 |  |
| 84 | 5/24/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field      | 3.95    | ums/cm                  | L80639-02 | 5/24/2023 |  |
| 84 | 5/24/2023 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field                | 18.4    | Deg C                   | L80639-02 | 5/24/2023 |  |
| 84 | 5/31/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                              | 1.207   | MILLION GALLONS PER DAY |           | 5/31/2023 |  |
| 84 | 5/31/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                         | 8       | S.U.                    | L80770-02 | 5/31/2023 |  |
| 84 | 5/31/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable                | < 0.5   | mL/L                    | L80770-02 | 5/31/2023 |  |
| 84 | 5/31/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended           | 7       | mg/L                    | L80770-02 | 6/2/2023  |  |
| 84 | 5/31/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field      | 4010    | ums/cm                  | L80770-02 | 5/31/2023 |  |
| 84 | 5/31/2023 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field                | 18.3    | Deg C                   | L80770-02 | 5/31/2023 |  |



|    |           |                         |      |                                   |         |                         |           |           |  |
|----|-----------|-------------------------|------|-----------------------------------|---------|-------------------------|-----------|-----------|--|
| 84 | 6/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Flow                              | 1.316   | MILLION GALLONS PER DAY |           | 6/7/2023  |  |
| 84 | 6/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Iron, Total Recoverable           | < 0.3   | mg/L                    | L80911-02 | 6/13/2023 |  |
| 84 | 6/7/2023  | TWENTYMILE COAL COMPANY | GRAB | pH Temperature                    | 22.6    | Deg C                   | L80911-02 | 6/16/2023 |  |
| 84 | 6/7/2023  | TWENTYMILE COAL COMPANY | GRAB | pH, Field                         | 8.1     | S.U.                    | L80911-02 | 6/7/2023  |  |
| 84 | 6/7/2023  | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                           | 8.4     | S.U.                    | L80911-02 | 6/16/2023 |  |
| 84 | 6/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable                | < 0.5   | mL/L                    | L80911-02 | 6/7/2023  |  |
| 84 | 6/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended           | 6       | mg/L                    | L80911-02 | 6/14/2023 |  |
| 84 | 6/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field      | 3930    | ums/cm                  | L80911-02 | 6/7/2023  |  |
| 84 | 6/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field                | 20.1    | Deg C                   | L80911-02 | 6/7/2023  |  |
| 84 | 6/14/2023 | TWENTYMILE COAL COMPANY | GRAB | Arsenic, Total                    | 0.0009  | mg/L                    | L81103-02 | 6/21/2023 |  |
| 84 | 6/14/2023 | TWENTYMILE COAL COMPANY | GRAB | Chromium, Potentially Dissolvable | < 0.004 | mg/L                    | L81103-02 | 6/21/2023 |  |
| 84 | 6/14/2023 | TWENTYMILE COAL COMPANY | GRAB | Chromium-6, Dissolved             | < 0.02  | mg/L                    | L81103-02 | 6/15/2023 |  |
| 84 | 6/14/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                              | 1.207   | MILLION GALLONS PER DAY |           | 6/14/2023 |  |
| 84 | 6/14/2023 | TWENTYMILE COAL COMPANY | GRAB | Lead, Potentially Dissolvable     | < 0.001 | mg/L                    | L81103-02 | 6/21/2023 |  |
| 84 | 6/14/2023 | TWENTYMILE COAL COMPANY | GRAB | Nickel, Potentially Dissolvable   | 0.099   | mg/L                    | L81103-02 | 6/22/2023 |  |
| 84 | 6/14/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                         | 8.2     | S.U.                    | L81103-02 | 6/14/2023 |  |
| 84 | 6/14/2023 | TWENTYMILE COAL COMPANY | GRAB | Selenium, Potentially Dissolvable | 0.00532 | mg/L                    | L81103-02 | 6/21/2023 |  |
| 84 | 6/14/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable                | < 0.56  | mL/L                    | L81103-02 | 6/14/2023 |  |
| 84 | 6/14/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended           | 6       | mg/L                    | L81103-02 | 6/21/2023 |  |
| 84 | 6/14/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field      | 3870    | ums/cm                  | L81103-02 | 6/14/2023 |  |
| 84 | 6/14/2023 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field                | 20.6    | Deg C                   | L81103-02 | 6/14/2023 |  |
| 84 | 6/14/2023 | TWENTYMILE COAL COMPANY | GRAB | Zinc, Potentially Dissolvable     | < 0.1   | mg/L                    | L81103-02 | 6/22/2023 |  |
| 84 | 6/21/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                              | 1.469   | MILLION GALLONS PER DAY |           | 6/21/2023 |  |
| 84 | 6/21/2023 | TWENTYMILE COAL COMPANY | GRAB | Iron, Total Recoverable           | < 0.3   | mg/L                    | L81281-02 | 6/30/2023 |  |
| 84 | 6/21/2023 | TWENTYMILE COAL COMPANY | GRAB | pH Temperature                    | 22.7    | Deg C                   | L81281-02 | 7/12/2023 |  |
| 84 | 6/21/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                         | 8.1     | S.U.                    | L81281-02 | 6/21/2023 |  |
| 84 | 6/21/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                           | 8.56    | S.U.                    | L81281-02 | 7/12/2023 |  |
| 84 | 6/21/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable                | < 0.49  | mL/L                    | L81281-02 | 6/21/2023 |  |
| 84 | 6/21/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended           | 6       | mg/L                    | L81281-02 | 6/27/2023 |  |
| 84 | 6/21/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field      | 4000    | ums/cm                  | L81281-02 | 6/21/2023 |  |
| 84 | 6/21/2023 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field                | 21.9    | Deg C                   | L81281-02 | 6/21/2023 |  |
| 84 | 6/27/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                              | 1.841   | MILLION GALLONS PER DAY |           | 6/27/2023 |  |
| 84 | 6/27/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                         | 8.3     | S.U.                    | L81410-02 | 6/27/2023 |  |
| 84 | 6/27/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable                | < 0.49  | mL/L                    | L81410-02 | 6/27/2023 |  |
| 84 | 6/27/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended           | < 20    | mg/L                    | L81410-02 | 6/29/2023 |  |

|    |           |                         |      |                                   |         |                         |           |           |  |
|----|-----------|-------------------------|------|-----------------------------------|---------|-------------------------|-----------|-----------|--|
| 84 | 6/27/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field      | 3950    | ums/cm                  | L81410-02 | 6/27/2023 |  |
| 84 | 6/27/2023 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field                | 21.2    | Deg C                   | L81410-02 | 6/27/2023 |  |
| 84 | 7/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Flow                              | 1.509   | MILLION GALLONS PER DAY |           | 7/6/2023  |  |
| 84 | 7/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Iron, Total Recoverable           | < 0.3   | mg/L                    | L81523-02 | 7/14/2023 |  |
| 84 | 7/6/2023  | TWENTYMILE COAL COMPANY | GRAB | pH Temperature                    | 22.3    | Deg C                   | L81523-02 | 7/13/2023 |  |
| 84 | 7/6/2023  | TWENTYMILE COAL COMPANY | GRAB | pH, Field                         | 8.2     | S.U.                    | L81523-02 | 7/6/2023  |  |
| 84 | 7/6/2023  | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                           | 8.5     | S.U.                    | L81523-02 | 7/13/2023 |  |
| 84 | 7/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable                | < 0.52  | mL/L                    | L81523-02 | 7/6/2023  |  |
| 84 | 7/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended           | 6       | mg/L                    | L81523-02 | 7/12/2023 |  |
| 84 | 7/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field      | 4050    | ums/cm                  | L81523-02 | 7/6/2023  |  |
| 84 | 7/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field                | 21.8    | Deg C                   | L81523-02 | 7/6/2023  |  |
| 84 | 7/13/2023 | TWENTYMILE COAL COMPANY | GRAB | Arsenic, Total                    | 0.0005  | mg/L                    | L81718-02 | 7/20/2023 |  |
| 84 | 7/13/2023 | TWENTYMILE COAL COMPANY | GRAB | Chromium, Potentially Dissolvable | < 0.004 | mg/L                    | L81718-02 | 7/17/2023 |  |
| 84 | 7/13/2023 | TWENTYMILE COAL COMPANY | GRAB | Chromium-6, Dissolved             | < 0.02  | mg/L                    | L81718-02 | 7/13/2023 |  |
| 84 | 7/13/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                              | 1.354   | MILLION GALLONS PER DAY |           | 7/13/2023 |  |
| 84 | 7/13/2023 | TWENTYMILE COAL COMPANY | GRAB | Lead, Potentially Dissolvable     | < 0.001 | mg/L                    | L81718-02 | 7/17/2023 |  |
| 84 | 7/13/2023 | TWENTYMILE COAL COMPANY | GRAB | Nickel, Potentially Dissolvable   | 0.121   | mg/L                    | L81718-02 | 7/19/2023 |  |
| 84 | 7/13/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                         | 8.4     | S.U.                    | L81718-02 | 7/13/2023 |  |
| 84 | 7/13/2023 | TWENTYMILE COAL COMPANY | GRAB | Selenium, Potentially Dissolvable | 0.00226 | mg/L                    | L81718-02 | 7/17/2023 |  |
| 84 | 7/13/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable                | < 0.51  | mL/L                    | L81718-02 | 7/13/2023 |  |
| 84 | 7/13/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended           | 5       | mg/L                    | L81718-02 | 7/28/2023 |  |
| 84 | 7/13/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field      | 3950    | ums/cm                  | L81718-02 | 7/13/2023 |  |
| 84 | 7/13/2023 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field                | 27.4    | Deg C                   | L81718-02 | 7/13/2023 |  |
| 84 | 7/13/2023 | TWENTYMILE COAL COMPANY | GRAB | Zinc, Potentially Dissolvable     | < 0.1   | mg/L                    | L81718-02 | 7/19/2023 |  |
| 84 | 7/20/2023 | TWENTYMILE COAL COMPANY | GRAB | Copper, Potentially Dissolvable   | < 0.1   | mg/L                    | L81869-02 | 7/27/2023 |  |
| 84 | 7/20/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                              | 1.841   | MILLION GALLONS PER DAY |           | 7/20/2023 |  |
| 84 | 7/20/2023 | TWENTYMILE COAL COMPANY | GRAB | Iron, Total                       | < 0.3   | mg/L                    | L81869-02 | 7/31/2023 |  |
| 84 | 7/20/2023 | TWENTYMILE COAL COMPANY | GRAB | Iron, Total Recoverable           | < 0.3   | mg/L                    | L81869-02 | 8/1/2023  |  |
| 84 | 7/20/2023 | TWENTYMILE COAL COMPANY | GRAB | Mercury, Total                    | < 0.001 | mg/L                    | L81869-02 | 7/28/2023 |  |
| 84 | 7/20/2023 | TWENTYMILE COAL COMPANY | GRAB | pH Temperature                    | 23.3    | Deg C                   | L81869-02 | 8/1/2023  |  |
| 84 | 7/20/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                         | 8.2     | S.U.                    | L81869-02 | 7/20/2023 |  |
| 84 | 7/20/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                           | 8.2     | S.U.                    | L81869-02 | 8/1/2023  |  |
| 84 | 7/20/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable                | < 0.5   | mL/L                    | L81869-02 | 7/20/2023 |  |
| 84 | 7/20/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended           | 7       | mg/L                    | L81869-02 | 7/26/2023 |  |
| 84 | 7/20/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field      | 4110    | ums/cm                  | L81869-02 | 7/20/2023 |  |
| 84 | 7/20/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Lab        | 4100    | ums/cm                  | L81869-02 | 8/4/2023  |  |

|    |           |                         |      |                                   |         |                         |           |           |  |
|----|-----------|-------------------------|------|-----------------------------------|---------|-------------------------|-----------|-----------|--|
| 84 | 7/20/2023 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field                | 24.4    | Deg C                   | L81869-02 | 7/20/2023 |  |
| 84 | 7/20/2023 | TWENTYMILE COAL COMPANY | GRAB | Total Dissolved Solids, Lab       | 3280    | mg/L                    | L81869-02 | 7/27/2023 |  |
| 84 | 7/25/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                              | 0.669   | MILLION GALLONS PER DAY |           | 7/25/2023 |  |
| 84 | 7/25/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                         | 8.1     | S.U.                    | L81989-02 | 7/25/2023 |  |
| 84 | 7/25/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable                | < 0.51  | mL/L                    | L81989-02 | 7/26/2023 |  |
| 84 | 7/25/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended           | 7       | mg/L                    | L81989-02 | 7/26/2023 |  |
| 84 | 7/25/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field      | 4160    | ums/cm                  | L81989-02 | 7/25/2023 |  |
| 84 | 7/25/2023 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field                | 23.6    | Deg C                   | L81989-02 | 7/25/2023 |  |
| 84 | 8/3/2023  | TWENTYMILE COAL COMPANY | GRAB | Flow                              | 0.112   | MILLION GALLONS PER DAY |           | 8/3/2023  |  |
| 84 | 8/3/2023  | TWENTYMILE COAL COMPANY | GRAB | Iron, Total Recoverable           | 0.257   | mg/L                    | L82241-02 | 8/10/2023 |  |
| 84 | 8/3/2023  | TWENTYMILE COAL COMPANY | GRAB | pH Temperature                    | 23.9    | Deg C                   | L82241-02 | 7/20/1908 |  |
| 84 | 8/3/2023  | TWENTYMILE COAL COMPANY | GRAB | pH Temperature                    | 23.9    | Deg C                   | L82241-02 | 8/7/2023  |  |
| 84 | 8/3/2023  | TWENTYMILE COAL COMPANY | GRAB | pH, Field                         | 8.4     | S.U.                    | L82241-02 | 8/3/2023  |  |
| 84 | 8/3/2023  | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                           | 8.4     | S.U.                    | L82241-02 | 8/7/2023  |  |
| 84 | 8/3/2023  | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                           | 8.4     | S.U.                    | L82241-02 | 7/20/1908 |  |
| 84 | 8/3/2023  | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable                | < 0.49  | mL/L                    | L82241-02 | 8/3/2023  |  |
| 84 | 8/3/2023  | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended           | 5       | mg/L                    | L82241-02 | 8/10/2023 |  |
| 84 | 8/3/2023  | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field      | 4030    | ums/cm                  | L82241-02 | 8/3/2023  |  |
| 84 | 8/3/2023  | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field                | 24.3    | Deg C                   | L82241-02 | 8/3/2023  |  |
| 84 | 8/9/2023  | TWENTYMILE COAL COMPANY | GRAB | Arsenic, Total                    | 0.00174 | mg/L                    | L82343-02 | 8/16/2023 |  |
| 84 | 8/9/2023  | TWENTYMILE COAL COMPANY | GRAB | Chromium, Potentially Dissolvable | < 0.004 | mg/L                    | L82343-02 | 8/15/2023 |  |
| 84 | 8/9/2023  | TWENTYMILE COAL COMPANY | GRAB | Chromium-6, Dissolved             | < 0.02  | mg/L                    | L82343-02 | 8/10/2023 |  |
| 84 | 8/9/2023  | TWENTYMILE COAL COMPANY | GRAB | Flow                              | 0.151   | MILLION GALLONS PER DAY |           | 8/9/2023  |  |
| 84 | 8/9/2023  | TWENTYMILE COAL COMPANY | GRAB | Lead, Potentially Dissolvable     | 0.00024 | mg/L                    | L82343-02 | 8/15/2023 |  |
| 84 | 8/9/2023  | TWENTYMILE COAL COMPANY | GRAB | Nickel, Potentially Dissolvable   | 0.105   | mg/L                    | L82343-02 | 8/22/2023 |  |
| 84 | 8/9/2023  | TWENTYMILE COAL COMPANY | GRAB | pH, Field                         | 8.5     | S.U.                    | L82343-02 | 8/9/2023  |  |
| 84 | 8/9/2023  | TWENTYMILE COAL COMPANY | GRAB | Selenium, Potentially Dissolvable | 0.00314 | mg/L                    | L82343-02 | 8/15/2023 |  |
| 84 | 8/9/2023  | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable                | < 0.51  | mL/L                    | L82343-02 | 8/9/2023  |  |
| 84 | 8/9/2023  | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended           | 10      | mg/L                    | L82343-02 | 8/15/2023 |  |
| 84 | 8/9/2023  | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field      | 4360    | ums/cm                  | L82343-02 | 8/9/2023  |  |
| 84 | 8/9/2023  | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field                | 19.2    | Deg C                   | L82343-02 | 8/9/2023  |  |
| 84 | 8/9/2023  | TWENTYMILE COAL COMPANY | GRAB | Zinc, Potentially Dissolvable     | < 0.1   | mg/L                    | L82343-02 | 8/22/2023 |  |
| 84 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                              | 0.042   | MILLION GALLONS PER DAY |           | 8/16/2023 |  |
| 84 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Iron, Total Recoverable           | < 0.3   | mg/L                    | L82506-02 | 8/24/2023 |  |
| 84 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | pH Temperature                    | 21.1    | Deg C                   | L82506-02 | 8/17/2023 |  |

|    |           |                         |      |                                   |         |                         |           |           |  |
|----|-----------|-------------------------|------|-----------------------------------|---------|-------------------------|-----------|-----------|--|
| 84 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                         | 8.8     | S.U.                    | L82506-02 | 8/16/2023 |  |
| 84 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                           | 8.8     | S.U.                    | L82506-02 | 8/17/2023 |  |
| 84 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable                | < 0.5   | mL/L                    | L82506-02 | 8/16/2023 |  |
| 84 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended           | 8       | mg/L                    | L82506-02 | 8/23/2023 |  |
| 84 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field      | 4470    | ums/cm                  | L82506-02 | 8/16/2023 |  |
| 84 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field                | 22.8    | Deg C                   | L82506-02 | 8/16/2023 |  |
| 84 | 8/23/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                              | 0.317   | MILLION GALLONS PER DAY |           | 8/23/2023 |  |
| 84 | 8/23/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                         | 8.5     | S.U.                    | L82626-02 | 8/23/2023 |  |
| 84 | 8/23/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable                | < 0.5   | mL/L                    | L82626-02 | 8/23/2023 |  |
| 84 | 8/23/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended           | 5       | mg/L                    | L82626-02 | 8/29/2023 |  |
| 84 | 8/23/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field      | 4640    | ums/cm                  | L82626-02 | 8/23/2023 |  |
| 84 | 8/23/2023 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field                | 21.5    | Deg C                   | L82626-02 | 8/23/2023 |  |
| 84 | 8/30/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                              | 0.151   | MILLION GALLONS PER DAY |           | 8/30/2023 |  |
| 84 | 8/30/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                         | 8.6     | S.U.                    | L82799-02 | 8/30/2023 |  |
| 84 | 8/30/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable                | < 0.5   | mL/L                    | L82799-02 | 8/30/2023 |  |
| 84 | 8/30/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended           | 13      | mg/L                    | L82799-02 | 9/5/2023  |  |
| 84 | 8/30/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field      | 4230    | ums/cm                  | L82799-02 | 8/30/2023 |  |
| 84 | 8/30/2023 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field                | 22.5    | Deg C                   | L82799-02 | 8/30/2023 |  |
| 84 | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Flow                              | 0.042   | MILLION GALLONS PER DAY |           | 9/6/2023  |  |
| 84 | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Iron, Total Recoverable           | 0.218   | mg/L                    | L82934-02 | 9/15/2023 |  |
| 84 | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | pH Temperature                    | 23      | Deg C                   | L82934-02 | 9/9/2023  |  |
| 84 | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | pH, Field                         | 7.2     | S.U.                    | L82934-02 | 9/6/2023  |  |
| 84 | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                           | 8.7     | S.U.                    | L82934-02 | 9/9/2023  |  |
| 84 | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable                | < 0.52  | mL/L                    | L82934-02 | 9/7/2023  |  |
| 84 | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended           | 11      | mg/L                    | L82934-02 | 9/13/2023 |  |
| 84 | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field      | 4250    | ums/cm                  | L82934-02 | 9/6/2023  |  |
| 84 | 9/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field                | 21.4    | Deg C                   | L82934-02 | 9/6/2023  |  |
| 84 | 9/12/2023 | TWENTYMILE COAL COMPANY | GRAB | Arsenic, Total                    | 0.00215 | mg/L                    | L83060-02 | 9/21/2023 |  |
| 84 | 9/12/2023 | TWENTYMILE COAL COMPANY | GRAB | Chromium, Potentially Dissolvable | < 0.004 | mg/L                    | L83060-02 | 9/18/2023 |  |
| 84 | 9/12/2023 | TWENTYMILE COAL COMPANY | GRAB | Chromium-6, Dissolved             | < 0.02  | mg/L                    | L83060-02 | 9/12/2023 |  |
| 84 | 9/12/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                              | 0.035   | MILLION GALLONS PER DAY |           | 9/12/2023 |  |
| 84 | 9/12/2023 | TWENTYMILE COAL COMPANY | GRAB | Iron, Total Recoverable           | 0.191   | mg/L                    | L83060-02 | 9/25/2023 |  |
| 84 | 9/12/2023 | TWENTYMILE COAL COMPANY | GRAB | Lead, Potentially Dissolvable     | 0.00024 | mg/L                    | L83060-02 | 9/18/2023 |  |
| 84 | 9/12/2023 | TWENTYMILE COAL COMPANY | GRAB | Nickel, Potentially Dissolvable   | 0.108   | mg/L                    | L83060-02 | 9/21/2023 |  |
| 84 | 9/12/2023 | TWENTYMILE COAL COMPANY | GRAB | pH Temperature                    | 22.8    | Deg C                   | L83060-02 | 9/26/2023 |  |

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|----|------------|-------------------------|------|-----------------------------------|---------|-------------------------|-----------|------------|--|
| 84 | 9/12/2023  | TWENTYMILE COAL COMPANY | GRAB | pH, Field                         | 8.7     | S.U.                    | L83060-02 | 9/12/2023  |  |
| 84 | 9/12/2023  | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                           | 8.7     | S.U.                    | L83060-02 | 9/26/2023  |  |
| 84 | 9/12/2023  | TWENTYMILE COAL COMPANY | GRAB | Selenium, Potentially Dissolvable | 0.00094 | mg/L                    | L83060-02 | 9/19/2023  |  |
| 84 | 9/12/2023  | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable                | < 0.5   | mL/L                    | L83060-02 | 9/12/2023  |  |
| 84 | 9/12/2023  | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended           | 5       | mg/L                    | L83060-02 | 9/15/2023  |  |
| 84 | 9/12/2023  | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field      | 4320    | ums/cm                  | L83060-02 | 9/12/2023  |  |
| 84 | 9/12/2023  | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field                | 20      | Deg C                   | L83060-02 | 9/12/2023  |  |
| 84 | 9/12/2023  | TWENTYMILE COAL COMPANY | GRAB | Zinc, Potentially Dissolvable     | 0.092   | mg/L                    | L83060-02 | 9/21/2023  |  |
| 84 | 9/20/2023  | TWENTYMILE COAL COMPANY | GRAB | Flow                              | 0.008   | MILLION GALLONS PER DAY |           | 9/20/2023  |  |
| 84 | 9/20/2023  | TWENTYMILE COAL COMPANY | GRAB | pH, Field                         | 8.7     | S.U.                    | L83254-01 | 9/20/2023  |  |
| 84 | 9/20/2023  | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable                | 0.11    | mL/L                    | L83254-01 | 9/20/2023  |  |
| 84 | 9/20/2023  | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended           | 27      | mg/L                    | L83254-01 | 9/26/2023  |  |
| 84 | 9/20/2023  | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field      | 4680    | ums/cm                  | L83254-01 | 9/20/2023  |  |
| 84 | 9/20/2023  | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field                | 12.8    | Deg C                   | L83254-01 | 9/20/2023  |  |
| 84 | 9/27/2023  | TWENTYMILE COAL COMPANY | GRAB | Flow                              | 0       | MILLION GALLONS PER DAY |           | 9/27/2023  |  |
| 85 | 10/5/2022  | TWENTYMILE COAL COMPANY | GRAB | Flow                              | 0.005   | MILLION GALLONS PER DAY |           | 10/5/2022  |  |
| 85 | 10/5/2022  | TWENTYMILE COAL COMPANY | GRAB | Iron, Total                       | < 0.15  | mg/L                    | L76391-04 | 10/14/2022 |  |
| 85 | 10/5/2022  | TWENTYMILE COAL COMPANY | GRAB | pH Temperature                    | 21      | Deg C                   | L76391-04 | 10/6/2022  |  |
| 85 | 10/5/2022  | TWENTYMILE COAL COMPANY | GRAB | pH, Field                         | 8.8     | S.U.                    |           | 10/5/2022  |  |
| 85 | 10/5/2022  | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                           | 8.8     | S.U.                    | L76391-04 | 10/6/2022  |  |
| 85 | 10/5/2022  | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable                | < 0.49  | mL/L                    | L76391-04 | 10/5/2022  |  |
| 85 | 10/5/2022  | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended           | 13      | mg/L                    | L76391-04 | 10/12/2022 |  |
| 85 | 10/5/2022  | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field      | 4670    | UMHOS/CM                |           | 10/5/2022  |  |
| 85 | 10/5/2022  | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field                | 9       | Deg C                   |           | 10/5/2022  |  |
| 85 | 10/12/2022 | TWENTYMILE COAL COMPANY | GRAB | Flow                              | 0.005   | MILLION GALLONS PER DAY |           | 10/12/2022 |  |
| 85 | 10/12/2022 | TWENTYMILE COAL COMPANY | GRAB | Iron, Total                       | < 0.15  | mg/L                    | L76591-04 | 10/24/2022 |  |
| 85 | 10/12/2022 | TWENTYMILE COAL COMPANY | GRAB | pH Temperature                    | 20.1    | Deg C                   | L76591-04 | 10/19/2022 |  |
| 85 | 10/12/2022 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                         | 8.8     | S.U.                    |           | 10/12/2022 |  |
| 85 | 10/12/2022 | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                           | 8.8     | S.U.                    | L76591-04 | 10/19/2022 |  |
| 85 | 10/12/2022 | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable                | < 0.5   | mL/L                    | L76591-04 | 10/12/2022 |  |
| 85 | 10/12/2022 | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended           | 5       | mg/L                    | L76591-04 | 10/17/2022 |  |
| 85 | 10/12/2022 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field      | 4220    | UMHOS/CM                |           | 10/12/2022 |  |
| 85 | 10/12/2022 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field                | 11.1    | Deg C                   |           | 10/12/2022 |  |
| 85 | 10/19/2022 | TWENTYMILE COAL COMPANY | GRAB | Flow                              | 0.005   | MILLION GALLONS PER DAY |           | 10/19/2022 |  |
| 85 | 10/19/2022 | TWENTYMILE COAL COMPANY | GRAB | Iron, Total                       | 0.157   | mg/L                    | L76749-05 | 10/28/2022 |  |

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|----|------------|-------------------------|------|------------------------------|--------|-------------------------|-----------|------------|--|
| 85 | 10/19/2022 | TWENTYMILE COAL COMPANY | GRAB | pH Temperature               | 22.2   | Deg C                   | L76749-05 | 11/3/2022  |  |
| 85 | 10/19/2022 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                    | 8.8    | S.U.                    |           | 10/19/2022 |  |
| 85 | 10/19/2022 | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                      | 8.7    | S.U.                    | L76749-05 | 11/3/2022  |  |
| 85 | 10/19/2022 | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable           | < 0.5  | mL/L                    | L76749-05 | 10/19/2022 |  |
| 85 | 10/19/2022 | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended      | 7      | mg/L                    | L76749-05 | 10/26/2022 |  |
| 85 | 10/19/2022 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field | 4060   | UMHOS/CM                |           | 10/19/2022 |  |
| 85 | 10/19/2022 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field           | 11.1   | Deg C                   |           | 10/19/2022 |  |
| 85 | 10/26/2022 | TWENTYMILE COAL COMPANY | GRAB | Flow                         | 0.005  | MILLION GALLONS PER DAY |           | 10/26/2022 |  |
| 85 | 10/26/2022 | TWENTYMILE COAL COMPANY | GRAB | Iron, Total                  | < 0.15 | mg/L                    | L76883-04 | 11/5/2022  |  |
| 85 | 10/26/2022 | TWENTYMILE COAL COMPANY | GRAB | pH Temperature               | 22.9   | Deg C                   | L76883-04 | 11/4/2022  |  |
| 85 | 10/26/2022 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                    | 8.7    | S.U.                    |           | 10/26/2022 |  |
| 85 | 10/26/2022 | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                      | 8.6    | S.U.                    | L76883-04 | 11/4/2022  |  |
| 85 | 10/26/2022 | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable           | < 0.5  | mL/L                    | L76883-04 | 10/26/2022 |  |
| 85 | 10/26/2022 | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended      | 7      | mg/L                    | L76883-04 | 11/1/2022  |  |
| 85 | 10/26/2022 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field | 4190   | UMHOS/CM                |           | 10/26/2022 |  |
| 85 | 10/26/2022 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field           | 7.6    | Deg C                   |           | 10/26/2022 |  |
| 85 | 11/2/2022  | TWENTYMILE COAL COMPANY | GRAB | Flow                         | 0.005  | MILLION GALLONS PER DAY |           | 11/2/2022  |  |
| 85 | 11/2/2022  | TWENTYMILE COAL COMPANY | GRAB | Iron, Total                  | < 0.15 | mg/L                    | L76988-04 | 11/15/2022 |  |
| 85 | 11/2/2022  | TWENTYMILE COAL COMPANY | GRAB | pH Temperature               | 21.7   | Deg C                   | L76988-04 | 11/12/2022 |  |
| 85 | 11/2/2022  | TWENTYMILE COAL COMPANY | GRAB | pH, Field                    | 8.6    | S.U.                    |           | 11/2/2022  |  |
| 85 | 11/2/2022  | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                      | 8.7    | S.U.                    | L76988-04 | 11/12/2022 |  |
| 85 | 11/2/2022  | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable           | < 0.51 | mL/L                    | L76988-04 | 11/2/2022  |  |
| 85 | 11/2/2022  | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended      | 5      | mg/L                    | L76988-04 | 11/9/2022  |  |
| 85 | 11/2/2022  | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field | 4020   | UMHOS/CM                |           | 11/2/2022  |  |
| 85 | 11/2/2022  | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field           | 8.1    | Deg C                   |           | 11/2/2022  |  |
| 85 | 11/9/2022  | TWENTYMILE COAL COMPANY | GRAB | Flow                         | 0.005  | MILLION GALLONS PER DAY |           | 11/9/2022  |  |
| 85 | 11/9/2022  | TWENTYMILE COAL COMPANY | GRAB | Iron, Total                  | < 0.15 | mg/L                    | L77122-04 | 11/17/2022 |  |
| 85 | 11/9/2022  | TWENTYMILE COAL COMPANY | GRAB | pH Temperature               | 21.5   | Deg C                   | L77122-04 | 11/29/2022 |  |
| 85 | 11/9/2022  | TWENTYMILE COAL COMPANY | GRAB | pH, Field                    | 8.5    | S.U.                    |           | 11/9/2022  |  |
| 85 | 11/9/2022  | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                      | 8.6    | S.U.                    | L77122-04 | 11/29/2022 |  |
| 85 | 11/9/2022  | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable           | < 0.51 | mL/L                    | L77122-04 | 11/9/2022  |  |
| 85 | 11/9/2022  | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended      | 6      | mg/L                    | L77122-04 | 11/16/2022 |  |
| 85 | 11/9/2022  | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field | 3770   | UMHOS/CM                |           | 11/9/2022  |  |
| 85 | 11/9/2022  | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field           | 10     | Deg C                   |           | 11/9/2022  |  |
| 85 | 11/16/2022 | TWENTYMILE COAL COMPANY | GRAB | Flow                         | 0.005  | MILLION GALLONS PER DAY |           | 11/16/2022 |  |

|    |            |                         |      |                              |        |                         |           |            |  |
|----|------------|-------------------------|------|------------------------------|--------|-------------------------|-----------|------------|--|
| 85 | 11/16/2022 | TWENTYMILE COAL COMPANY | GRAB | Iron, Total                  | < 0.15 | mg/L                    | L77259-04 | 11/30/2022 |  |
| 85 | 11/16/2022 | TWENTYMILE COAL COMPANY | GRAB | pH Temperature               | 20.7   | Deg C                   | L77259-04 | 11/29/2022 |  |
| 85 | 11/16/2022 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                    | 8.7    | S.U.                    |           | 11/16/2022 |  |
| 85 | 11/16/2022 | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                      | 8.7    | S.U.                    | L77259-04 | 11/29/2022 |  |
| 85 | 11/16/2022 | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable           | < 0.5  | mL/L                    | L77259-04 | 11/16/2022 |  |
| 85 | 11/16/2022 | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended      | 5      | mg/L                    | L77259-04 | 11/22/2022 |  |
| 85 | 11/16/2022 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field | 4220   | UMHOS/CM                |           | 11/16/2022 |  |
| 85 | 11/16/2022 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field           | 4.7    | Deg C                   |           | 11/16/2022 |  |
| 85 | 11/22/2022 | TWENTYMILE COAL COMPANY | GRAB | Flow                         | 0.005  | MILLION GALLONS PER DAY |           | 11/22/2022 |  |
| 85 | 11/22/2022 | TWENTYMILE COAL COMPANY | GRAB | Iron, Total                  | < 0.15 | mg/L                    | L77377-03 | 12/16/2022 |  |
| 85 | 11/22/2022 | TWENTYMILE COAL COMPANY | GRAB | pH Temperature               | 21.6   | Deg C                   | L77377-03 | 12/3/2022  |  |
| 85 | 11/22/2022 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                    | 8.4    | S.U.                    |           | 11/22/2022 |  |
| 85 | 11/22/2022 | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                      | 8.5    | S.U.                    | L77377-03 | 12/3/2022  |  |
| 85 | 11/22/2022 | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable           | < 0.51 | mL/L                    | L77377-03 | 11/22/2022 |  |
| 85 | 11/22/2022 | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended      | 5      | mg/L                    | L77377-03 | 11/29/2022 |  |
| 85 | 11/22/2022 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field | 4440   | UMHOS/CM                |           | 11/22/2022 |  |
| 85 | 11/22/2022 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field           | 6      | Deg C                   |           | 11/22/2022 |  |
| 85 | 11/30/2022 | TWENTYMILE COAL COMPANY | GRAB | Flow                         | 0.005  | MILLION GALLONS PER DAY |           | 11/30/2022 |  |
| 85 | 11/30/2022 | TWENTYMILE COAL COMPANY | GRAB | Iron, Total                  | < 0.15 | mg/L                    | L77440-03 | 12/8/2022  |  |
| 85 | 11/30/2022 | TWENTYMILE COAL COMPANY | GRAB | pH Temperature               | 22.2   | Deg C                   | L77440-03 | 12/13/2022 |  |
| 85 | 11/30/2022 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                    | 8.3    | S.U.                    |           | 11/30/2022 |  |
| 85 | 11/30/2022 | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                      | 8.3    | S.U.                    | L77440-03 | 12/13/2022 |  |
| 85 | 11/30/2022 | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable           | < 0.49 | mL/L                    | L77440-03 | 11/30/2022 |  |
| 85 | 11/30/2022 | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended      | 5      | mg/L                    | L77440-03 | 12/6/2022  |  |
| 85 | 11/30/2022 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field | 4290   | UMHOS/CM                |           | 11/30/2022 |  |
| 85 | 11/30/2022 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field           | 7.2    | Deg C                   |           | 11/30/2022 |  |
| 85 | 12/7/2022  | TWENTYMILE COAL COMPANY | GRAB | Flow                         | 0.005  | MILLION GALLONS PER DAY |           | 12/7/2022  |  |
| 85 | 12/7/2022  | TWENTYMILE COAL COMPANY | GRAB | Iron, Total                  | 0.066  | mg/L                    | L77545-04 | 12/31/2022 |  |
| 85 | 12/7/2022  | TWENTYMILE COAL COMPANY | GRAB | pH Temperature               | 21.9   | Deg C                   | L77545-04 | 12/30/2022 |  |
| 85 | 12/7/2022  | TWENTYMILE COAL COMPANY | GRAB | pH, Field                    | 8.3    | S.U.                    |           | 12/7/2022  |  |
| 85 | 12/7/2022  | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                      | 8.4    | S.U.                    | L77545-04 | 12/30/2022 |  |
| 85 | 12/7/2022  | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable           | < 0.51 | mL/L                    | L77545-04 | 12/7/2022  |  |
| 85 | 12/7/2022  | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended      | 7      | mg/L                    | L77545-04 | 12/14/2022 |  |
| 85 | 12/7/2022  | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field | 4040   | UMHOS/CM                |           | 12/7/2022  |  |
| 85 | 12/7/2022  | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field           | 4.5    | Deg C                   |           | 12/7/2022  |  |

|    |            |                         |      |                              |        |                         |           |            |  |
|----|------------|-------------------------|------|------------------------------|--------|-------------------------|-----------|------------|--|
| 85 | 12/14/2022 | TWENTYMILE COAL COMPANY | GRAB | Flow                         | 0.014  | MILLION GALLONS PER DAY |           | 12/14/2022 |  |
| 85 | 12/14/2022 | TWENTYMILE COAL COMPANY | GRAB | Iron, Total                  | < 0.15 | mg/L                    | L77691-04 | 1/11/2023  |  |
| 85 | 12/14/2022 | TWENTYMILE COAL COMPANY | GRAB | pH Temperature               | 22.4   | Deg C                   | L77691-04 | 12/21/2022 |  |
| 85 | 12/14/2022 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                    | 8.1    | S.U.                    |           | 12/14/2022 |  |
| 85 | 12/14/2022 | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                      | 8.4    | S.U.                    | L77691-04 | 12/21/2022 |  |
| 85 | 12/14/2022 | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable           | < 0.51 | mL/L                    | L77691-04 | 12/15/2022 |  |
| 85 | 12/14/2022 | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended      | 9      | mg/L                    | L77691-04 | 12/20/2022 |  |
| 85 | 12/14/2022 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field | 4360   | UMHOS/CM                |           | 12/14/2022 |  |
| 85 | 12/14/2022 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field           | 3.1    | Deg C                   |           | 12/14/2022 |  |
| 85 | 12/20/2022 | TWENTYMILE COAL COMPANY | GRAB | Flow                         | 0      | MILLION GALLONS PER DAY |           | 12/20/2022 |  |
| 85 | 12/28/2022 | TWENTYMILE COAL COMPANY | GRAB | Flow                         | 0.028  | MILLION GALLONS PER DAY |           | 12/28/2022 |  |
| 85 | 12/28/2022 |                         | GRAB | Iron, Total                  | 0.076  | mg/L                    | L77924-04 | 1/20/2023  |  |
| 85 | 12/28/2022 |                         | GRAB | pH Temperature               | 22.4   | Deg C                   | L77924-04 | 1/11/2023  |  |
| 85 | 12/28/2022 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                    | 7.6    | S.U.                    |           | 12/28/2022 |  |
| 85 | 12/28/2022 |                         | GRAB | pH, Lab                      | 8.2    | S.U.                    | L77924-04 | 1/11/2023  |  |
| 85 | 12/28/2022 |                         | GRAB | Solids, Settleable           | < 0.49 | mL/L                    | L77924-04 | 12/28/2022 |  |
| 85 | 12/28/2022 |                         | GRAB | Solids, Total Suspended      | 5      | mg/L                    | L77924-04 | 1/4/2023   |  |
| 85 | 12/28/2022 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field | 4360   | UMHOS/CM                |           | 12/28/2022 |  |
| 85 | 12/28/2022 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field           | 0.9    | Deg C                   |           | 12/28/2022 |  |
| 85 | 12/28/2022 |                         | GRAB | Specific Conductivity, Lab   | 4190   | ums/cm                  | L77924-05 | 1/11/2023  |  |
| 85 | 12/28/2022 |                         | GRAB | Total Dissolved Solids, Lab  | 3340   | mg/L                    | L77924-05 | 12/28/2022 |  |
| 85 | 1/4/2023   | TWENTYMILE COAL COMPANY | GRAB | Flow                         | 0.028  | MILLION GALLONS PER DAY |           | 1/4/2023   |  |
| 85 | 1/4/2023   | TWENTYMILE COAL COMPANY | GRAB | Iron, Total                  | 0.082  | mg/L                    | L77986-04 | 1/20/2023  |  |
| 85 | 1/4/2023   | TWENTYMILE COAL COMPANY | GRAB | pH Temperature               | 22.1   | Deg C                   | L77986-04 | 1/12/2023  |  |
| 85 | 1/4/2023   | TWENTYMILE COAL COMPANY | GRAB | pH, Field                    | 7.8    | S.U.                    |           | 1/4/2023   |  |
| 85 | 1/4/2023   | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                      | 8.3    | S.U.                    | L77986-04 | 1/12/2023  |  |
| 85 | 1/4/2023   | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable           | < 0.53 | mL/L                    | L77986-04 | 1/4/2023   |  |
| 85 | 1/4/2023   | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended      | 6      | mg/L                    | L77986-04 | 1/11/2023  |  |
| 85 | 1/4/2023   | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field | 4050   | UMHOS/CM                |           | 1/4/2023   |  |
| 85 | 1/4/2023   | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field           | 2.6    | Deg C                   |           | 1/4/2023   |  |
| 85 | 1/12/2023  | TWENTYMILE COAL COMPANY | GRAB | Flow                         | 0.028  | MILLION GALLONS PER DAY |           | 1/12/2023  |  |
| 85 | 1/12/2023  |                         | GRAB | Iron, Total                  | 0.1    | mg/L                    | L78189-05 | 1/27/2023  |  |
| 85 | 1/12/2023  |                         | GRAB | pH Temperature               | 21.7   | Deg C                   | L78189-05 | 1/14/2023  |  |
| 85 | 1/12/2023  | TWENTYMILE COAL COMPANY | GRAB | pH, Field                    | 7.7    | S.U.                    |           | 1/12/2023  |  |
| 85 | 1/12/2023  |                         | GRAB | pH, Lab                      | 8.1    | S.U.                    | L78189-05 | 1/14/2023  |  |



|    |           |                         |      |                              |        |                         |           |           |  |
|----|-----------|-------------------------|------|------------------------------|--------|-------------------------|-----------|-----------|--|
| 85 | 1/12/2023 |                         | GRAB | Solids, Settleable           | < 0.51 | mL/L                    | L78189-05 | 1/12/2023 |  |
| 85 | 1/12/2023 |                         | GRAB | Solids, Total Suspended      | < 20   | mg/L                    | L78189-05 | 1/18/2023 |  |
| 85 | 1/12/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field | 4010   | UMHOS/CM                |           | 1/12/2023 |  |
| 85 | 1/12/2023 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field           | 1      | Deg C                   |           | 1/12/2023 |  |
| 85 | 1/12/2023 |                         | GRAB | Specific Conductivity, Lab   | 4030   | ums/cm                  | L78189-06 | 1/31/2023 |  |
| 85 | 1/12/2023 |                         | GRAB | Total Dissolved Solids, Lab  | 3020   | mg/L                    | L78189-06 | 1/19/2023 |  |
| 85 | 1/18/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                         | 0.005  | MILLION GALLONS PER DAY |           | 1/18/2023 |  |
| 85 | 1/18/2023 | TWENTYMILE COAL COMPANY | GRAB | Iron, Total                  | 0.141  | mg/L                    | L78263-05 | 1/31/2023 |  |
| 85 | 1/18/2023 | TWENTYMILE COAL COMPANY | GRAB | pH Temperature               | 21.9   | Deg C                   | L78263-05 | 1/24/2023 |  |
| 85 | 1/18/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                    | 8.1    | S.U.                    | L78263-05 | 1/18/2023 |  |
| 85 | 1/18/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                      | 8.2    | S.U.                    | L78263-05 | 1/24/2023 |  |
| 85 | 1/18/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable           | < 0.53 | mL/L                    | L78263-05 | 1/18/2023 |  |
| 85 | 1/18/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended      | 5      | mg/L                    | L78263-05 | 1/25/2023 |  |
| 85 | 1/18/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field | 3270   | ums/cm                  | L78263-05 | 1/18/2023 |  |
| 85 | 1/18/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Lab   | 3270   | ums/cm                  | L78263-05 | 1/18/2023 |  |
| 85 | 1/18/2023 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field           | 2.4    | Deg C                   | L78263-05 | 1/18/2023 |  |
| 85 | 1/25/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                         | 0.005  | MILLION GALLONS PER DAY |           | 1/25/2023 |  |
| 85 | 1/25/2023 | TWENTYMILE COAL COMPANY | GRAB | Iron, Total                  | 0.147  | mg/L                    | L78356-03 | 2/3/2023  |  |
| 85 | 1/25/2023 | TWENTYMILE COAL COMPANY | GRAB | pH Temperature               | 22.7   | Deg C                   | L78356-03 | 2/7/2023  |  |
| 85 | 1/25/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                    | 8.3    | S.U.                    | L78356-03 | 1/25/2023 |  |
| 85 | 1/25/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                      | 8.1    | S.U.                    | L78356-03 | 2/7/2023  |  |
| 85 | 1/25/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable           | < 0.51 | mL/L                    | L78356-03 | 1/25/2023 |  |
| 85 | 1/25/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended      | < 20   | mg/L                    | L78356-03 | 1/31/2023 |  |
| 85 | 1/25/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field | 3510   | ums/cm                  | L78356-03 | 1/25/2023 |  |
| 85 | 1/25/2023 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field           | 4.6    | Deg C                   | L78356-03 | 1/25/2023 |  |
| 85 | 2/1/2023  | TWENTYMILE COAL COMPANY | GRAB | Flow                         | 0.005  | MILLION GALLONS PER DAY |           | 2/1/2023  |  |
| 85 | 2/1/2023  | TWENTYMILE COAL COMPANY | GRAB | Iron, Total                  | 0.124  | mg/L                    | L78453-04 | 2/14/2023 |  |
| 85 | 2/1/2023  | TWENTYMILE COAL COMPANY | GRAB | pH Temperature               | 22.8   | Deg C                   | L78453-04 | 2/14/2023 |  |
| 85 | 2/1/2023  | TWENTYMILE COAL COMPANY | GRAB | pH, Field                    | 7.9    | S.U.                    | L78453-04 | 2/1/2023  |  |
| 85 | 2/1/2023  | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                      | 8.2    | S.U.                    | L78453-04 | 2/14/2023 |  |
| 85 | 2/1/2023  | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable           | < 0.53 | mL/L                    | L78453-04 | 2/1/2023  |  |
| 85 | 2/1/2023  | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended      | 5      | mg/L                    | L78453-04 | 2/6/2023  |  |
| 85 | 2/1/2023  | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field | 3760   | ums/cm                  | L78453-04 | 2/1/2023  |  |
| 85 | 2/1/2023  | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field           | 2.2    | Deg C                   | L78453-04 | 2/1/2023  |  |
| 85 | 2/8/2023  | TWENTYMILE COAL COMPANY | GRAB | Flow                         | 0.005  | MILLION GALLONS PER DAY |           | 2/8/2023  |  |

|    |           |                         |      |                              |        |                         |           |           |  |
|----|-----------|-------------------------|------|------------------------------|--------|-------------------------|-----------|-----------|--|
| 85 | 2/8/2023  | TWENTYMILE COAL COMPANY | GRAB | Iron, Total                  | 0.24   | mg/L                    | L78573-04 | 3/2/2023  |  |
| 85 | 2/8/2023  | TWENTYMILE COAL COMPANY | GRAB | pH Temperature               | 22.2   | Deg C                   | L78573-04 | 2/14/2023 |  |
| 85 | 2/8/2023  | TWENTYMILE COAL COMPANY | GRAB | pH, Field                    | 8.1    | S.U.                    | L78573-04 | 2/8/2023  |  |
| 85 | 2/8/2023  | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                      | 8.3    | S.U.                    | L78573-04 | 2/14/2023 |  |
| 85 | 2/8/2023  | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable           | < 0.53 | mL/L                    | L78573-04 | 2/8/2023  |  |
| 85 | 2/8/2023  | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended      | 8      | mg/L                    | L78573-04 | 2/15/2023 |  |
| 85 | 2/8/2023  | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field | 3410   | ums/cm                  | L78573-04 | 2/8/2023  |  |
| 85 | 2/8/2023  | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field           | 4.2    | Deg C                   | L78573-04 | 2/8/2023  |  |
| 85 | 2/15/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                         | 0.005  | MILLION GALLONS PER DAY |           | 2/15/2023 |  |
| 85 | 2/15/2023 | TWENTYMILE COAL COMPANY | GRAB | Iron, Total                  | < 0.3  | mg/L                    | L78718-04 | 3/2/2023  |  |
| 85 | 2/15/2023 | TWENTYMILE COAL COMPANY | GRAB | pH Temperature               | 22.2   | Deg C                   | L78718-04 | 3/10/2023 |  |
| 85 | 2/15/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                    | 8.3    | S.U.                    | L78718-04 | 2/15/2023 |  |
| 85 | 2/15/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                      | 8.3    | S.U.                    | L78718-04 | 3/10/2023 |  |
| 85 | 2/15/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable           | < 0.51 | mL/L                    | L78718-04 | 2/15/2023 |  |
| 85 | 2/15/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended      | 5      | mg/L                    | L78718-04 | 2/22/2023 |  |
| 85 | 2/15/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field | 3070   | ums/cm                  | L78718-04 | 2/15/2023 |  |
| 85 | 2/15/2023 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field           | 2.2    | Deg C                   | L78718-04 | 2/15/2023 |  |
| 85 | 2/21/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                         | 0.005  | MILLION GALLONS PER DAY |           | 2/21/2023 |  |
| 85 | 2/21/2023 | TWENTYMILE COAL COMPANY | GRAB | Iron, Total                  | 0.078  | mg/L                    | L78867-03 | 3/2/2023  |  |
| 85 | 2/21/2023 | TWENTYMILE COAL COMPANY | GRAB | pH Temperature               | 22.4   | Deg C                   | L78867-03 | 3/2/2023  |  |
| 85 | 2/21/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                    | 8.3    | S.U.                    | L78867-03 | 2/21/2023 |  |
| 85 | 2/21/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                      | 8.1    | S.U.                    | L78867-03 | 3/2/2023  |  |
| 85 | 2/21/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable           | < 0.54 | mL/L                    | L78867-03 | 2/21/2023 |  |
| 85 | 2/21/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended      | < 20   | mg/L                    | L78867-03 | 2/28/2023 |  |
| 85 | 2/21/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field | 2780   | ums/cm                  | L78867-03 | 2/21/2023 |  |
| 85 | 2/21/2023 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field           | 4.8    | Deg C                   | L78867-03 | 2/21/2023 |  |
| 85 | 3/2/2023  | TWENTYMILE COAL COMPANY | GRAB | Flow                         | 0.005  | MILLION GALLONS PER DAY |           | 3/2/2023  |  |
| 85 | 3/2/2023  | TWENTYMILE COAL COMPANY | GRAB | Iron, Total                  | 0.125  | mg/L                    | L79040-03 | 3/13/2023 |  |
| 85 | 3/2/2023  | TWENTYMILE COAL COMPANY | GRAB | pH Temperature               | 22.7   | Deg C                   | L79040-03 | 3/10/2023 |  |
| 85 | 3/2/2023  | TWENTYMILE COAL COMPANY | GRAB | pH, Field                    | 8.4    | S.U.                    | L79040-03 | 3/2/2023  |  |
| 85 | 3/2/2023  | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                      | 8.2    | S.U.                    | L79040-03 | 3/10/2023 |  |
| 85 | 3/2/2023  | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable           | < 0.53 | mL/L                    | L79040-03 | 3/2/2023  |  |
| 85 | 3/2/2023  | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended      | < 20   | mg/L                    | L79040-03 | 3/6/2023  |  |
| 85 | 3/2/2023  | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field | 2390   | ums/cm                  | L79040-03 | 3/2/2023  |  |
| 85 | 3/2/2023  | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field           | 1.5    | Deg C                   | L79040-03 | 3/2/2023  |  |

|    |           |                         |      |                              |        |                         |           |           |  |
|----|-----------|-------------------------|------|------------------------------|--------|-------------------------|-----------|-----------|--|
| 85 | 3/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Flow                         | 0.005  | MILLION GALLONS PER DAY |           | 3/7/2023  |  |
| 85 | 3/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Iron, Total                  | 0.24   | mg/L                    | L79099-03 | 3/23/2023 |  |
| 85 | 3/7/2023  | TWENTYMILE COAL COMPANY | GRAB | pH Temperature               | 22.8   | Deg C                   | L79099-03 | 3/11/2023 |  |
| 85 | 3/7/2023  | TWENTYMILE COAL COMPANY | GRAB | pH, Field                    | 8      | S.U.                    | L79099-03 | 3/7/2023  |  |
| 85 | 3/7/2023  | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                      | 7.8    | S.U.                    | L79099-03 | 3/11/2023 |  |
| 85 | 3/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable           | < 0.55 | mL/L                    | L79099-03 | 3/7/2023  |  |
| 85 | 3/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended      | 8      | mg/L                    | L79099-03 | 3/14/2023 |  |
| 85 | 3/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field | 2180   | ums/cm                  | L79099-03 | 3/7/2023  |  |
| 85 | 3/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field           | 4.8    | Deg C                   | L79099-03 | 3/7/2023  |  |
| 85 | 3/15/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                         | 0.005  | MILLION GALLONS PER DAY |           | 3/15/2023 |  |
| 85 | 3/15/2023 | TWENTYMILE COAL COMPANY | GRAB | Iron, Total                  | 0.41   | mg/L                    | L79258-03 | 3/29/2023 |  |
| 85 | 3/15/2023 | TWENTYMILE COAL COMPANY | GRAB | pH Temperature               | 21.9   | Deg C                   | L79258-03 | 3/21/2023 |  |
| 85 | 3/15/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                    | 8      | S.U.                    | L79258-03 | 3/15/2023 |  |
| 85 | 3/15/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                      | 8.2    | S.U.                    | L79258-03 | 3/21/2023 |  |
| 85 | 3/15/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable           | 0.1    | mL/L                    | L79258-03 | 3/15/2023 |  |
| 85 | 3/15/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended      | 22     | mg/L                    | L79258-03 | 3/22/2023 |  |
| 85 | 3/15/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field | 1410   | ums/cm                  | L79258-03 | 3/15/2023 |  |
| 85 | 3/15/2023 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field           | 3.9    | Deg C                   | L79258-03 | 3/15/2023 |  |
| 85 | 3/22/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                         | 0.005  | MILLION GALLONS PER DAY |           | 3/22/2023 |  |
| 85 | 3/22/2023 | TWENTYMILE COAL COMPANY | GRAB | Iron, Total                  | 0.699  | mg/L                    | L79385-03 | 4/1/2023  |  |
| 85 | 3/22/2023 | TWENTYMILE COAL COMPANY | GRAB | pH Temperature               | 22.2   | Deg C                   | L79385-03 | 3/30/2023 |  |
| 85 | 3/22/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                    | 8      | S.U.                    | L79385-03 | 3/22/2023 |  |
| 85 | 3/22/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                      | 8      | S.U.                    | L79385-03 | 3/30/2023 |  |
| 85 | 3/22/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable           | < 0.51 | mL/L                    | L79385-03 | 3/22/2023 |  |
| 85 | 3/22/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended      | 17     | mg/L                    | L79385-03 | 3/28/2023 |  |
| 85 | 3/22/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field | 2040   | ums/cm                  | L79385-03 | 3/22/2023 |  |
| 85 | 3/22/2023 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field           | 4.4    | Deg C                   | L79385-03 | 3/22/2023 |  |
| 85 | 3/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                         | 0.005  | MILLION GALLONS PER DAY |           | 3/29/2023 |  |
| 85 | 3/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Iron, Total                  | 0.186  | mg/L                    | L79510-03 | 4/7/2023  |  |
| 85 | 3/29/2023 | TWENTYMILE COAL COMPANY | GRAB | pH Temperature               | 22.9   | Deg C                   | L79510-03 | 3/30/2023 |  |
| 85 | 3/29/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                    | 8.1    | S.U.                    | L79510-03 | 3/29/2023 |  |
| 85 | 3/29/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                      | 8.2    | S.U.                    | L79510-03 | 3/30/2023 |  |
| 85 | 3/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable           | < 0.51 | mL/L                    | L79510-03 | 3/29/2023 |  |
| 85 | 3/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended      | 5      | mg/L                    | L79510-03 | 4/5/2023  |  |
| 85 | 3/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field | 2230   | ums/cm                  | L79510-03 | 3/29/2023 |  |

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|----|-----------|-------------------------|------|------------------------------|--------|-------------------------|-----------|-----------|--|
| 85 | 3/29/2023 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field           | 5.5    | Deg C                   | L79510-03 | 3/29/2023 |  |
| 85 | 4/5/2023  | TWENTYMILE COAL COMPANY | GRAB | Flow                         | 0.005  | MILLION GALLONS PER DAY |           | 4/5/2023  |  |
| 85 | 4/5/2023  | TWENTYMILE COAL COMPANY | GRAB | Iron, Total                  | 0.197  | mg/L                    | L79638-03 | 4/18/2023 |  |
| 85 | 4/5/2023  | TWENTYMILE COAL COMPANY | GRAB | pH Temperature               | 21.6   | Deg C                   | L79638-03 | 4/13/2023 |  |
| 85 | 4/5/2023  | TWENTYMILE COAL COMPANY | GRAB | pH, Field                    | 8.2    | S.U.                    | L79638-03 | 4/5/2023  |  |
| 85 | 4/5/2023  | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                      | 8      | S.U.                    | L79638-03 | 4/13/2023 |  |
| 85 | 4/5/2023  | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable           | < 0.49 | mL/L                    | L79638-03 | 4/5/2023  |  |
| 85 | 4/5/2023  | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended      | 13     | mg/L                    | L79638-03 | 4/12/2023 |  |
| 85 | 4/5/2023  | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field | 1540   | ums/cm                  | L79638-03 | 4/5/2023  |  |
| 85 | 4/5/2023  | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field           | 8.3    | Deg C                   | L79638-03 | 4/5/2023  |  |
| 85 | 4/12/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                         | 0.078  | MILLION GALLONS PER DAY |           | 4/12/2023 |  |
| 85 | 4/12/2023 | TWENTYMILE COAL COMPANY | GRAB | Iron, Total                  | 1.1    | mg/L                    | L79816-03 | 4/28/2023 |  |
| 85 | 4/12/2023 | TWENTYMILE COAL COMPANY | GRAB | pH Temperature               | 20.6   | Deg C                   | L79816-03 | 4/20/2023 |  |
| 85 | 4/12/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                    | 8.1    | S.U.                    | L79816-03 | 4/12/2023 |  |
| 85 | 4/12/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                      | 8.1    | S.U.                    | L79816-03 | 4/20/2023 |  |
| 85 | 4/12/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable           | < 0.5  | mL/L                    | L79816-03 | 4/12/2023 |  |
| 85 | 4/12/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended      | 15     | mg/L                    | L79816-03 | 4/18/2023 |  |
| 85 | 4/12/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field | 640    | ums/cm                  | L79816-03 | 4/12/2023 |  |
| 85 | 4/12/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Lab   | 693    | ums/cm                  | L79816-03 | 4/20/2023 |  |
| 85 | 4/12/2023 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field           | 11.5   | Deg C                   | L79816-03 | 4/12/2023 |  |
| 85 | 4/12/2023 | TWENTYMILE COAL COMPANY | GRAB | Total Dissolved Solids, Lab  | 460    | mg/L                    | L79816-03 | 4/18/2023 |  |
| 85 | 4/18/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                         | 0.005  | MILLION GALLONS PER DAY |           | 4/18/2023 |  |
| 85 | 4/18/2023 | TWENTYMILE COAL COMPANY | GRAB | Iron, Total                  | 0.497  | mg/L                    | L79932-04 | 4/28/2023 |  |
| 85 | 4/18/2023 | TWENTYMILE COAL COMPANY | GRAB | pH Temperature               | 21.3   | Deg C                   | L79932-04 | 5/15/2023 |  |
| 85 | 4/18/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                    | 8.2    | S.U.                    | L79932-04 | 4/18/2023 |  |
| 85 | 4/18/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                      | 8.3    | S.U.                    | L79932-04 | 5/15/2023 |  |
| 85 | 4/18/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable           | < 0.52 | mL/L                    | L79932-04 | 4/18/2023 |  |
| 85 | 4/18/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended      | 14     | mg/L                    | L79932-04 | 4/24/2023 |  |
| 85 | 4/18/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field | 1390   | ums/cm                  | L79932-04 | 4/18/2023 |  |
| 85 | 4/18/2023 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field           | 8.8    | Deg C                   | L79932-04 | 4/18/2023 |  |
| 85 | 4/27/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                         | 0.014  | MILLION GALLONS PER DAY |           | 4/27/2023 |  |
| 85 | 4/27/2023 | TWENTYMILE COAL COMPANY | GRAB | Iron, Total                  | 0.141  | mg/L                    | L80132-04 | 5/8/2023  |  |
| 85 | 4/27/2023 | TWENTYMILE COAL COMPANY | GRAB | pH Temperature               | 22.7   | Deg C                   | L80132-04 | 5/19/2023 |  |
| 85 | 4/27/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                    | 8.5    | S.U.                    | L80132-04 | 4/27/2023 |  |
| 85 | 4/27/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                      | 8.5    | S.U.                    | L80132-04 | 5/19/2023 |  |

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|----|-----------|-------------------------|------|------------------------------|--------|-------------------------|-----------|-----------|--|
| 85 | 4/27/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable           | < 0.49 | mL/L                    | L80132-04 | 4/28/2023 |  |
| 85 | 4/27/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended      | 6      | mg/L                    | L80132-04 | 5/3/2023  |  |
| 85 | 4/27/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field | 2300   | ums/cm                  | L80132-04 | 4/27/2023 |  |
| 85 | 4/27/2023 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field           | 15.5   | Deg C                   | L80132-04 | 4/27/2023 |  |
| 85 | 5/4/2023  | TWENTYMILE COAL COMPANY | GRAB | Flow                         | 0.001  | MILLION GALLONS PER DAY |           | 5/4/2023  |  |
| 85 | 5/4/2023  | TWENTYMILE COAL COMPANY | GRAB | Iron, Total                  | 0.187  | mg/L                    | L80247-03 | 5/13/2023 |  |
| 85 | 5/4/2023  | TWENTYMILE COAL COMPANY | GRAB | pH Temperature               | 22.1   | Deg C                   | L80247-03 | 5/19/2023 |  |
| 85 | 5/4/2023  | TWENTYMILE COAL COMPANY | GRAB | pH, Field                    | 8.2    | S.U.                    | L80247-03 | 5/4/2023  |  |
| 85 | 5/4/2023  | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                      | 8.4    | S.U.                    | L80247-03 | 5/19/2023 |  |
| 85 | 5/4/2023  | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable           | < 0.52 | mL/L                    | L80247-03 | 5/4/2023  |  |
| 85 | 5/4/2023  | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended      | < 20   | mg/L                    | L80247-03 | 5/10/2023 |  |
| 85 | 5/4/2023  | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field | 2440   | ums/cm                  | L80247-03 | 5/4/2023  |  |
| 85 | 5/4/2023  | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field           | 13.8   | Deg C                   | L80247-03 | 5/4/2023  |  |
| 85 | 5/10/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                         | 0.005  | MILLION GALLONS PER DAY |           | 5/10/2023 |  |
| 85 | 5/10/2023 | TWENTYMILE COAL COMPANY | GRAB | Iron, Total                  | 0.08   | mg/L                    | L80395-03 | 5/23/2023 |  |
| 85 | 5/10/2023 | TWENTYMILE COAL COMPANY | GRAB | pH Temperature               | 20.9   | Deg C                   | L80395-03 | 5/20/2023 |  |
| 85 | 5/10/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                    | 8.4    | S.U.                    | L80395-03 | 5/10/2023 |  |
| 85 | 5/10/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                      | 8.5    | S.U.                    | L80395-03 | 5/20/2023 |  |
| 85 | 5/10/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable           | < 0.51 | mL/L                    | L80395-03 | 5/10/2023 |  |
| 85 | 5/10/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended      | 7      | mg/L                    | L80395-03 | 5/16/2023 |  |
| 85 | 5/10/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field | 2630   | ums/cm                  | L80395-03 | 5/10/2023 |  |
| 85 | 5/10/2023 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field           | 16.7   | Deg C                   | L80395-03 | 5/10/2023 |  |
| 85 | 5/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                         | 0.005  | MILLION GALLONS PER DAY |           | 5/17/2023 |  |
| 85 | 5/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Iron, Total                  | 0.104  | mg/L                    | L80529-03 | 6/2/2023  |  |
| 85 | 5/17/2023 | TWENTYMILE COAL COMPANY | GRAB | pH Temperature               | 21.3   | Deg C                   | L80529-03 | 5/24/2023 |  |
| 85 | 5/17/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                    | 8.4    | S.U.                    | 80529-03  | 5/17/2023 |  |
| 85 | 5/17/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                      | 8.4    | S.U.                    | L80529-03 | 5/24/2023 |  |
| 85 | 5/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable           | < 0.51 | mL/L                    | L80529-03 | 5/17/2023 |  |
| 85 | 5/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended      | 7      | mg/L                    | L80529-03 | 5/23/2023 |  |
| 85 | 5/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field | 2670   | ums/cm                  | 80529-03  | 5/17/2023 |  |
| 85 | 5/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field           | 17.3   | Deg C                   | 80529-03  | 5/17/2023 |  |
| 85 | 5/24/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                         | 0.005  | MILLION GALLONS PER DAY |           | 5/24/2023 |  |
| 85 | 5/24/2023 | TWENTYMILE COAL COMPANY | GRAB | Iron, Total                  | 0.111  | mg/L                    | L80639-03 | 6/9/2023  |  |
| 85 | 5/24/2023 | TWENTYMILE COAL COMPANY | GRAB | pH Temperature               | 21.7   | Deg C                   | L80639-03 | 6/5/2023  |  |
| 85 | 5/24/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                    | 8.3    | S.U.                    | L80639-03 | 5/24/2023 |  |

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|----|-----------|-------------------------|------|------------------------------|--------|-------------------------|-----------|-----------|--|
| 85 | 5/24/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                      | 8.3    | S.U.                    | L80639-03 | 6/5/2023  |  |
| 85 | 5/24/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable           | < 0.5  | mL/L                    | L80639-03 | 5/24/2023 |  |
| 85 | 5/24/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended      | 7      | mg/L                    | L80639-03 | 5/30/2023 |  |
| 85 | 5/24/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field | 2770   | ums/cm                  | L80639-03 | 5/24/2023 |  |
| 85 | 5/24/2023 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field           | 17.4   | Deg C                   | L80639-03 | 5/24/2023 |  |
| 85 | 5/31/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                         | 0.005  | MILLION GALLONS PER DAY |           | 5/31/2023 |  |
| 85 | 5/31/2023 | TWENTYMILE COAL COMPANY | GRAB | Iron, Total                  | 0.18   | mg/L                    | L80770-03 | 6/9/2023  |  |
| 85 | 5/31/2023 | TWENTYMILE COAL COMPANY | GRAB | pH Temperature               | 22.3   | Deg C                   | L80770-03 | 6/15/2023 |  |
| 85 | 5/31/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                    | 8.1    | S.U.                    | L80770-03 | 5/31/2023 |  |
| 85 | 5/31/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                      | 8.4    | S.U.                    | L80770-03 | 6/15/2023 |  |
| 85 | 5/31/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable           | < 0.52 | mL/L                    | L80770-03 | 5/31/2023 |  |
| 85 | 5/31/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended      | 8      | mg/L                    | L80770-03 | 6/2/2023  |  |
| 85 | 5/31/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field | 2740   | ums/cm                  | L80770-03 | 5/31/2023 |  |
| 85 | 5/31/2023 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field           | 15.3   | Deg C                   | L80770-03 | 5/31/2023 |  |
| 85 | 6/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Flow                         | 0.005  | MILLION GALLONS PER DAY |           | 6/7/2023  |  |
| 85 | 6/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Iron, Total                  | 0.169  | mg/L                    | L80911-03 | 6/15/2023 |  |
| 85 | 6/7/2023  | TWENTYMILE COAL COMPANY | GRAB | pH Temperature               | 22.3   | Deg C                   | L80911-03 | 6/16/2023 |  |
| 85 | 6/7/2023  | TWENTYMILE COAL COMPANY | GRAB | pH, Field                    | 8.1    | S.U.                    | L80911-03 | 6/7/2023  |  |
| 85 | 6/7/2023  | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                      | 8.4    | S.U.                    | L80911-03 | 6/16/2023 |  |
| 85 | 6/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable           | < 0.5  | mL/L                    | L80911-03 | 6/7/2023  |  |
| 85 | 6/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended      | 9      | mg/L                    | L80911-03 | 6/14/2023 |  |
| 85 | 6/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field | 2830   | ums/cm                  | L80911-03 | 6/7/2023  |  |
| 85 | 6/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field           | 17.1   | Deg C                   | L80911-03 | 6/7/2023  |  |
| 85 | 6/14/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                         | 0.005  | MILLION GALLONS PER DAY |           | 6/14/2023 |  |
| 85 | 6/14/2023 | TWENTYMILE COAL COMPANY | GRAB | Iron, Total                  | 0.096  | mg/L                    | L81103-03 | 6/22/2023 |  |
| 85 | 6/14/2023 | TWENTYMILE COAL COMPANY | GRAB | pH Temperature               | 22     | Deg C                   | L81103-03 | 6/30/2023 |  |
| 85 | 6/14/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                    | 8.7    | S.U.                    | L81103-03 | 6/14/2023 |  |
| 85 | 6/14/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                      | 8.4    | S.U.                    | L81103-03 | 6/30/2023 |  |
| 85 | 6/14/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable           | < 0.56 | mL/L                    | L81103-03 | 6/14/2023 |  |
| 85 | 6/14/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended      | 7      | mg/L                    | L81103-03 | 6/21/2023 |  |
| 85 | 6/14/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field | 2860   | ums/cm                  | L81103-03 | 6/14/2023 |  |
| 85 | 6/14/2023 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field           | 20.2   | Deg C                   | L81103-03 | 6/14/2023 |  |
| 85 | 6/21/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                         | 0.005  | MILLION GALLONS PER DAY |           | 6/21/2023 |  |
| 85 | 6/21/2023 | TWENTYMILE COAL COMPANY | GRAB | Iron, Total                  | 0.17   | mg/L                    | L81281-03 | 6/29/2023 |  |
| 85 | 6/21/2023 | TWENTYMILE COAL COMPANY | GRAB | pH Temperature               | 22.6   | Deg C                   | L81281-03 | 7/12/2023 |  |

|    |           |                         |      |                              |        |                         |           |           |  |
|----|-----------|-------------------------|------|------------------------------|--------|-------------------------|-----------|-----------|--|
| 85 | 6/21/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                    | 8.1    | S.U.                    | L81281-03 | 6/21/2023 |  |
| 85 | 6/21/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                      | 8.42   | S.U.                    | L81281-03 | 7/12/2023 |  |
| 85 | 6/21/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable           | < 0.49 | mL/L                    | L81281-03 | 6/21/2023 |  |
| 85 | 6/21/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended      | 6      | mg/L                    | L81281-03 | 6/27/2023 |  |
| 85 | 6/21/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field | 2990   | ums/cm                  | L81281-03 | 6/21/2023 |  |
| 85 | 6/21/2023 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field           | 19.2   | Deg C                   | L81281-03 | 6/21/2023 |  |
| 85 | 6/27/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                         | 0.005  | MILLION GALLONS PER DAY |           | 6/27/2023 |  |
| 85 | 6/27/2023 | TWENTYMILE COAL COMPANY | GRAB | Iron, Total                  | 0.205  | mg/L                    | L81410-03 | 7/6/2023  |  |
| 85 | 6/27/2023 | TWENTYMILE COAL COMPANY | GRAB | pH Temperature               | 22.1   | Deg C                   | L81410-03 | 7/4/2023  |  |
| 85 | 6/27/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                    | 8.3    | S.U.                    | L81410-03 | 6/27/2023 |  |
| 85 | 6/27/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                      | 8.34   | S.U.                    | L81410-03 | 7/4/2023  |  |
| 85 | 6/27/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable           | < 0.51 | mL/L                    | L81410-03 | 6/27/2023 |  |
| 85 | 6/27/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended      | 9      | mg/L                    | L81410-03 | 6/29/2023 |  |
| 85 | 6/27/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field | 2890   | ums/cm                  | L81410-03 | 6/27/2023 |  |
| 85 | 6/27/2023 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field           | 18.7   | Deg C                   | L81410-03 | 6/27/2023 |  |
| 85 | 7/6/2023  | TWENTYMILE COAL COMPANY | GRAB | Flow                         | 0      | MILLION GALLONS PER DAY |           | 7/6/2023  |  |
| 85 | 7/13/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                         | 0      | MILLION GALLONS PER DAY |           | 7/13/2023 |  |
| 85 | 7/20/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                         | 0      | MILLION GALLONS PER DAY |           | 7/20/2023 |  |
| 85 | 7/25/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                         | 0      | MILLION GALLONS PER DAY |           | 7/25/2023 |  |
| 85 | 8/3/2023  | TWENTYMILE COAL COMPANY | GRAB | Flow                         | 0.005  | MILLION GALLONS PER DAY |           | 8/3/2023  |  |
| 85 | 8/3/2023  | TWENTYMILE COAL COMPANY | GRAB | Iron, Total                  | < 0.3  | mg/L                    | L82241-03 | 8/10/2023 |  |
| 85 | 8/3/2023  | TWENTYMILE COAL COMPANY | GRAB | pH Temperature               | 23.8   | Deg C                   | L82241-03 | 7/20/1908 |  |
| 85 | 8/3/2023  | TWENTYMILE COAL COMPANY | GRAB | pH Temperature               | 23.8   | Deg C                   | L82241-03 | 8/7/2023  |  |
| 85 | 8/3/2023  | TWENTYMILE COAL COMPANY | GRAB | pH, Field                    | 8.6    | S.U.                    | L82241-03 | 8/3/2023  |  |
| 85 | 8/3/2023  | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                      | 8.5    | S.U.                    | L82241-03 | 8/7/2023  |  |
| 85 | 8/3/2023  | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                      | 8.5    | S.U.                    | L82241-03 | 7/20/1908 |  |
| 85 | 8/3/2023  | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable           | < 0.48 | mL/L                    | L82241-03 | 8/3/2023  |  |
| 85 | 8/3/2023  | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended      | 7      | mg/L                    | L82241-03 | 8/10/2023 |  |
| 85 | 8/3/2023  | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field | 3070   | ums/cm                  | L82241-03 | 8/3/2023  |  |
| 85 | 8/3/2023  | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field           | 23.2   | Deg C                   | L82241-03 | 8/3/2023  |  |
| 85 | 8/9/2023  | TWENTYMILE COAL COMPANY | GRAB | Flow                         | 0      | MILLION GALLONS PER DAY |           | 8/9/2023  |  |
| 85 | 8/16/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                         | 0      | MILLION GALLONS PER DAY |           | 8/16/2023 |  |
| 85 | 8/23/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                         | 0.002  | MILLION GALLONS PER DAY |           | 8/23/2023 |  |

|    |            |                         |      |                              |         |                         |           |            |  |
|----|------------|-------------------------|------|------------------------------|---------|-------------------------|-----------|------------|--|
| 85 | 8/23/2023  | TWENTYMILE COAL COMPANY | GRAB | Iron, Total                  | 0.176   | mg/L                    | L82626-03 | 9/8/2023   |  |
| 85 | 8/23/2023  | TWENTYMILE COAL COMPANY | GRAB | pH Temperature               | 23      | Deg C                   | L82626-03 | 8/26/2023  |  |
| 85 | 8/23/2023  | TWENTYMILE COAL COMPANY | GRAB | pH, Field                    | 8       | S.U.                    | L82626-03 | 8/23/2023  |  |
| 85 | 8/23/2023  | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                      | 8       | S.U.                    | L82626-03 | 8/26/2023  |  |
| 85 | 8/23/2023  | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable           | < 0.5   | mL/L                    | L82626-03 | 8/23/2023  |  |
| 85 | 8/23/2023  | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended      | 11      | mg/L                    | L82626-03 | 8/29/2023  |  |
| 85 | 8/23/2023  | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field | 3990    | ums/cm                  | L82626-03 | 8/23/2023  |  |
| 85 | 8/23/2023  | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Lab   | 4210    | ums/cm                  | L82626-03 | 8/26/2023  |  |
| 85 | 8/23/2023  | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field           | 19      | Deg C                   | L82626-03 | 8/23/2023  |  |
| 85 | 8/23/2023  | TWENTYMILE COAL COMPANY | GRAB | Total Dissolved Solids, Lab  | 3780    | mg/L                    | L82626-03 | 8/29/2023  |  |
| 85 | 8/30/2023  | TWENTYMILE COAL COMPANY | GRAB | Flow                         | 0       | MILLION GALLONS PER DAY |           | 8/30/2023  |  |
| 85 | 9/6/2023   | TWENTYMILE COAL COMPANY | GRAB | Flow                         | 0       | MILLION GALLONS PER DAY |           | 9/6/2023   |  |
| 85 | 9/12/2023  | TWENTYMILE COAL COMPANY | GRAB | Flow                         | 0       | MILLION GALLONS PER DAY |           | 9/12/2023  |  |
| 85 | 9/20/2023  | TWENTYMILE COAL COMPANY | GRAB | Flow                         | 0.001   | MILLION GALLONS PER DAY |           | 9/20/2023  |  |
| 85 | 9/20/2023  | TWENTYMILE COAL COMPANY | GRAB | Iron, Total                  | < 0.3   | mg/L                    | L83254-02 | 9/26/2023  |  |
| 85 | 9/20/2023  | TWENTYMILE COAL COMPANY | GRAB | pH Temperature               | 23.5    | Deg C                   | L83254-02 | 9/29/2023  |  |
| 85 | 9/20/2023  | TWENTYMILE COAL COMPANY | GRAB | pH, Field                    | 8.2     | S.U.                    | L83254-02 | 9/20/2023  |  |
| 85 | 9/20/2023  | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                      | 8       | S.U.                    | L83254-02 | 9/29/2023  |  |
| 85 | 9/20/2023  | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable           | < 0.51  | mL/L                    | L83254-02 | 9/20/2023  |  |
| 85 | 9/20/2023  | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended      | 9       | mg/L                    | L83254-02 | 9/26/2023  |  |
| 85 | 9/20/2023  | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field | 3680    | ums/cm                  | L83254-02 | 9/20/2023  |  |
| 85 | 9/20/2023  | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field           | 14.1    | Deg C                   | L83254-02 | 9/20/2023  |  |
| 85 | 9/27/2023  | TWENTYMILE COAL COMPANY | GRAB | Flow                         | 0       | MILLION GALLONS PER DAY |           | 9/27/2023  |  |
| 87 | 10/5/2022  | TWENTYMILE COAL COMPANY | GRAB | Flow                         | 0       | MILLION GALLONS PER DAY |           | 10/5/2022  |  |
| 87 | 10/12/2022 | TWENTYMILE COAL COMPANY | GRAB | Flow                         | 0       | MILLION GALLONS PER DAY |           | 10/12/2022 |  |
| 87 | 10/19/2022 | TWENTYMILE COAL COMPANY | GRAB | Flow                         | 0       | MILLION GALLONS PER DAY |           | 10/19/2022 |  |
| 87 | 10/26/2022 | TWENTYMILE COAL COMPANY | GRAB | Flow                         | 0       | MILLION GALLONS PER DAY |           | 10/26/2022 |  |
| 87 | 11/2/2022  | TWENTYMILE COAL COMPANY | GRAB | Flow                         | 0       | MILLION GALLONS PER DAY |           | 11/2/2022  |  |
| 87 | 11/9/2022  | TWENTYMILE COAL COMPANY | GRAB | Flow                         | 0       | MILLION GALLONS PER DAY |           | 11/9/2022  |  |
| 87 | 11/16/2022 | TWENTYMILE COAL COMPANY | GRAB | Flow                         | 0       | MILLION GALLONS PER DAY |           | 11/16/2022 |  |
| 87 | 4/18/2023  | TWENTYMILE COAL COMPANY | GRAB | Arsenic, Total               | < 0.002 | mg/L                    | L79932-05 | 5/3/2023   |  |



|    |           |                         |      |                                   |          |                         |           |           |  |
|----|-----------|-------------------------|------|-----------------------------------|----------|-------------------------|-----------|-----------|--|
| 87 | 4/18/2023 | TWENTYMILE COAL COMPANY | GRAB | Chromium, Potentially Dissolvable | < 0.002  | mg/L                    | L79932-05 | 4/25/2023 |  |
| 87 | 4/18/2023 | TWENTYMILE COAL COMPANY | GRAB | Chromium-6, Dissolved             | < 0.02   | mg/L                    | L79932-05 | 4/18/2023 |  |
| 87 | 4/18/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                              | 0.027    | MILLION GALLONS PER DAY |           | 4/18/2023 |  |
| 87 | 4/18/2023 | TWENTYMILE COAL COMPANY | GRAB | Iron, Total Recoverable           | 1.11     | mg/L                    | L79932-05 | 5/2/2023  |  |
| 87 | 4/18/2023 | TWENTYMILE COAL COMPANY | GRAB | Lead, Potentially Dissolvable     | 0.00044  | mg/L                    | L79932-05 | 4/25/2023 |  |
| 87 | 4/18/2023 | TWENTYMILE COAL COMPANY | GRAB | Nickel, Potentially Dissolvable   | < 0.04   | mg/L                    | L79932-05 | 4/27/2023 |  |
| 87 | 4/18/2023 | TWENTYMILE COAL COMPANY | GRAB | pH Temperature                    | 21.4     | Deg C                   | L79932-05 | 5/15/2023 |  |
| 87 | 4/18/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                         | 7.8      | S.U.                    | L79932-05 | 4/18/2023 |  |
| 87 | 4/18/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                           | 8.2      | S.U.                    | L79932-05 | 5/15/2023 |  |
| 87 | 4/18/2023 | TWENTYMILE COAL COMPANY | GRAB | Selenium, Potentially Dissolvable | 0.00127  | mg/L                    | L79932-05 | 4/25/2023 |  |
| 87 | 4/18/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable                | < 0.51   | mL/L                    | L79932-05 | 4/18/2023 |  |
| 87 | 4/18/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended           | 12       | mg/L                    | L79932-05 | 4/24/2023 |  |
| 87 | 4/18/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field      | 740      | ums/cm                  | L79932-05 | 4/18/2023 |  |
| 87 | 4/18/2023 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field                | 9.3      | Deg C                   | L79932-05 | 4/18/2023 |  |
| 87 | 4/18/2023 | TWENTYMILE COAL COMPANY | GRAB | Zinc, Potentially Dissolvable     | < 0.05   | mg/L                    | L79932-05 | 4/27/2023 |  |
| 87 | 4/27/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                              | 0.027    | MILLION GALLONS PER DAY |           | 4/27/2023 |  |
| 87 | 4/27/2023 | TWENTYMILE COAL COMPANY | GRAB | Iron, Total Recoverable           | 0.222    | mg/L                    | L80132-05 | 5/11/2023 |  |
| 87 | 4/27/2023 | TWENTYMILE COAL COMPANY | GRAB | pH Temperature                    | 22       | Deg C                   | L80132-05 | 5/19/2023 |  |
| 87 | 4/27/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                         | 7.4      | S.U.                    | L80132-05 | 4/27/2023 |  |
| 87 | 4/27/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                           | 8.4      | S.U.                    | L80132-05 | 5/19/2023 |  |
| 87 | 4/27/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable                | < 0.51   | mL/L                    | L80132-05 | 4/28/2023 |  |
| 87 | 4/27/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended           | 10       | mg/L                    | L80132-05 | 5/3/2023  |  |
| 87 | 4/27/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field      | 1600     | ums/cm                  | L80132-05 | 4/27/2023 |  |
| 87 | 4/27/2023 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field                | 12.8     | Deg C                   | L80132-05 | 4/27/2023 |  |
| 87 | 5/4/2023  | TWENTYMILE COAL COMPANY | GRAB | Arsenic, Total                    | 0.00062  | mg/L                    | L80247-04 | 5/18/2023 |  |
| 87 | 5/4/2023  | TWENTYMILE COAL COMPANY | GRAB | Chromium, Potentially Dissolvable | < 0.002  | mg/L                    | L80247-04 | 5/11/2023 |  |
| 87 | 5/4/2023  | TWENTYMILE COAL COMPANY | GRAB | Chromium-6, Dissolved             | < 0.02   | mg/L                    | L80247-04 | 5/4/2023  |  |
| 87 | 5/4/2023  | TWENTYMILE COAL COMPANY | GRAB | Flow                              | 0.682    | MILLION GALLONS PER DAY |           | 5/4/2023  |  |
| 87 | 5/4/2023  | TWENTYMILE COAL COMPANY | GRAB | Iron, Total Recoverable           | 0.165    | mg/L                    | L80247-04 | 5/16/2023 |  |
| 87 | 5/4/2023  | TWENTYMILE COAL COMPANY | GRAB | Lead, Potentially Dissolvable     | < 0.0005 | mg/L                    | L80247-04 | 5/11/2023 |  |
| 87 | 5/4/2023  | TWENTYMILE COAL COMPANY | GRAB | Nickel, Potentially Dissolvable   | < 0.04   | mg/L                    | L80247-04 | 5/11/2023 |  |
| 87 | 5/4/2023  | TWENTYMILE COAL COMPANY | GRAB | pH Temperature                    | 22.1     | Deg C                   | L80247-04 | 5/19/2023 |  |
| 87 | 5/4/2023  | TWENTYMILE COAL COMPANY | GRAB | pH, Field                         | 8        | S.U.                    | L80247-04 | 5/4/2023  |  |
| 87 | 5/4/2023  | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                           | 8.3      | S.U.                    | L80247-04 | 5/19/2023 |  |
| 87 | 5/4/2023  | TWENTYMILE COAL COMPANY | GRAB | Selenium, Potentially Dissolvable | 0.0026   | mg/L                    | L80247-04 | 5/11/2023 |  |
| 87 | 5/4/2023  | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable                | < 0.52   | mL/L                    | L80247-04 | 5/4/2023  |  |

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|----|-----------|-------------------------|------|-----------------------------------|---------|-------------------------|-----------|-----------|--|
| 87 | 5/4/2023  | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended           | 8       | mg/L                    | L80247-04 | 5/10/2023 |  |
| 87 | 5/4/2023  | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field      | 2070    | ums/cm                  | L80247-04 | 5/4/2023  |  |
| 87 | 5/4/2023  | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field                | 14.5    | Deg C                   | L80247-04 | 5/4/2023  |  |
| 87 | 5/4/2023  | TWENTYMILE COAL COMPANY | GRAB | Zinc, Potentially Dissolvable     | < 0.05  | mg/L                    | L80247-04 | 5/11/2023 |  |
| 87 | 5/10/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                              | 1.746   | MILLION GALLONS PER DAY |           | 5/10/2023 |  |
| 87 | 5/10/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                         | 7.8     | S.U.                    | L80395-04 | 5/10/2023 |  |
| 87 | 5/10/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable                | < 0.49  | mL/L                    | L80395-04 | 5/10/2023 |  |
| 87 | 5/10/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended           | 6       | mg/L                    | L80395-04 | 5/16/2023 |  |
| 87 | 5/10/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field      | 3660    | ums/cm                  | L80395-04 | 5/10/2023 |  |
| 87 | 5/10/2023 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field                | 15.4    | Deg C                   | L80395-04 | 5/10/2023 |  |
| 87 | 5/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                              | 1.746   | MILLION GALLONS PER DAY |           | 5/17/2023 |  |
| 87 | 5/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Iron, Total Recoverable           | < 0.3   | mg/L                    | L80529-04 | 5/23/2023 |  |
| 87 | 5/17/2023 | TWENTYMILE COAL COMPANY | GRAB | pH Temperature                    | 21.4    | Deg C                   | L80529-04 | 5/24/2023 |  |
| 87 | 5/17/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                         | 8       | S.U.                    | 80529-04  | 5/17/2023 |  |
| 87 | 5/17/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                           | 8.3     | S.U.                    | L80529-04 | 5/24/2023 |  |
| 87 | 5/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable                | < 0.5   | mL/L                    | L80529-04 | 5/17/2023 |  |
| 87 | 5/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended           | 10      | mg/L                    | L80529-04 | 5/23/2023 |  |
| 87 | 5/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field      | 3870    | ums/cm                  | 80529-04  | 5/17/2023 |  |
| 87 | 5/17/2023 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field                | 18      | Deg C                   | 80529-04  | 5/17/2023 |  |
| 87 | 5/24/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                              | 0.394   | MILLION GALLONS PER DAY |           | 5/24/2023 |  |
| 87 | 5/24/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                         | 7.8     | S.U.                    | L80639-04 | 5/24/2023 |  |
| 87 | 5/24/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable                | < 0.51  | mL/L                    | L80639-04 | 5/24/2023 |  |
| 87 | 5/24/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended           | < 20    | mg/L                    | L80639-04 | 5/30/2023 |  |
| 87 | 5/24/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field      | 3990    | ums/cm                  | L80639-04 | 5/24/2023 |  |
| 87 | 5/24/2023 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field                | 16.7    | Deg C                   | L80639-04 | 5/24/2023 |  |
| 87 | 5/31/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                              | 0.088   | MILLION GALLONS PER DAY |           | 5/31/2023 |  |
| 87 | 5/31/2023 | TWENTYMILE COAL COMPANY | GRAB | pH, Field                         | 8       | S.U.                    | L80770-04 | 5/31/2023 |  |
| 87 | 5/31/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable                | < 0.5   | mL/L                    | L80770-04 | 5/31/2023 |  |
| 87 | 5/31/2023 | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended           | 7       | mg/L                    | L80770-04 | 6/2/2023  |  |
| 87 | 5/31/2023 | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field      | 4020    | ums/cm                  | L80770-04 | 5/31/2023 |  |
| 87 | 5/31/2023 | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field                | 18.1    | Deg C                   | L80770-04 | 5/31/2023 |  |
| 87 | 6/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Arsenic, Total                    | < 0.002 | mg/L                    | L80911-04 | 8/1/2023  |  |
| 87 | 6/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Chromium, Potentially Dissolvable | < 0.004 | mg/L                    | L80911-04 | 8/7/2023  |  |
| 87 | 6/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Flow                              | 0.007   | MILLION GALLONS PER DAY |           | 6/7/2023  |  |
| 87 | 6/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Iron, Total Recoverable           | 0.282   | mg/L                    | L80911-04 | 6/13/2023 |  |

|    |           |                         |      |                                   |         |                         |           |           |  |
|----|-----------|-------------------------|------|-----------------------------------|---------|-------------------------|-----------|-----------|--|
| 87 | 6/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Iron, Total                       | < 0.3   | mg/L                    | L80911-04 | 7/31/2023 |  |
| 87 | 6/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Lead, Potentially Dissolvable     | < 0.001 | mg/L                    | L80911-04 | 8/7/2023  |  |
| 87 | 6/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Mercury, Total                    | < 0.001 | mg/L                    | L80911-04 | 7/28/2023 |  |
| 87 | 6/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Nickel, Potentially Dissolvable   | 0.00287 | mg/L                    | L80911-04 | 8/7/2023  |  |
| 87 | 6/7/2023  | TWENTYMILE COAL COMPANY | GRAB | pH Temperature                    | 22      | Deg C                   | L80911-04 | 6/16/2023 |  |
| 87 | 6/7/2023  | TWENTYMILE COAL COMPANY | GRAB | pH, Field                         | 8.1     | S.U.                    | L80911-04 | 6/7/2023  |  |
| 87 | 6/7/2023  | TWENTYMILE COAL COMPANY | GRAB | pH, Lab                           | 8.4     | S.U.                    | L80911-04 | 6/16/2023 |  |
| 87 | 6/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Selenium, Potentially Dissolvable | 0.0143  | mg/L                    | L80911-04 | 8/7/2023  |  |
| 87 | 6/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Solids, Settleable                | < 0.5   | mL/L                    | L80911-04 | 6/7/2023  |  |
| 87 | 6/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Solids, Total Suspended           | 7       | mg/L                    | L80911-04 | 6/14/2023 |  |
| 87 | 6/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Specific Conductivity, Field      | 4060    | ums/cm                  | L80911-04 | 6/7/2023  |  |
| 87 | 6/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Temperature, Field                | 21.9    | Deg C                   | L80911-04 | 6/7/2023  |  |
| 87 | 6/7/2023  | TWENTYMILE COAL COMPANY | GRAB | Zinc, Potentially Dissolvable     | < 0.03  | mg/L                    | L80911-04 | 8/7/2023  |  |
| 87 | 6/14/2023 | TWENTYMILE COAL COMPANY | GRAB | Flow                              | 0       | MILLION GALLONS PER DAY |           | 6/14/2023 |  |

Foidel Creek Mine

2023 Annual Report

Attachment 6

Figures

Foidel Creek Mine

2023 Annual Report

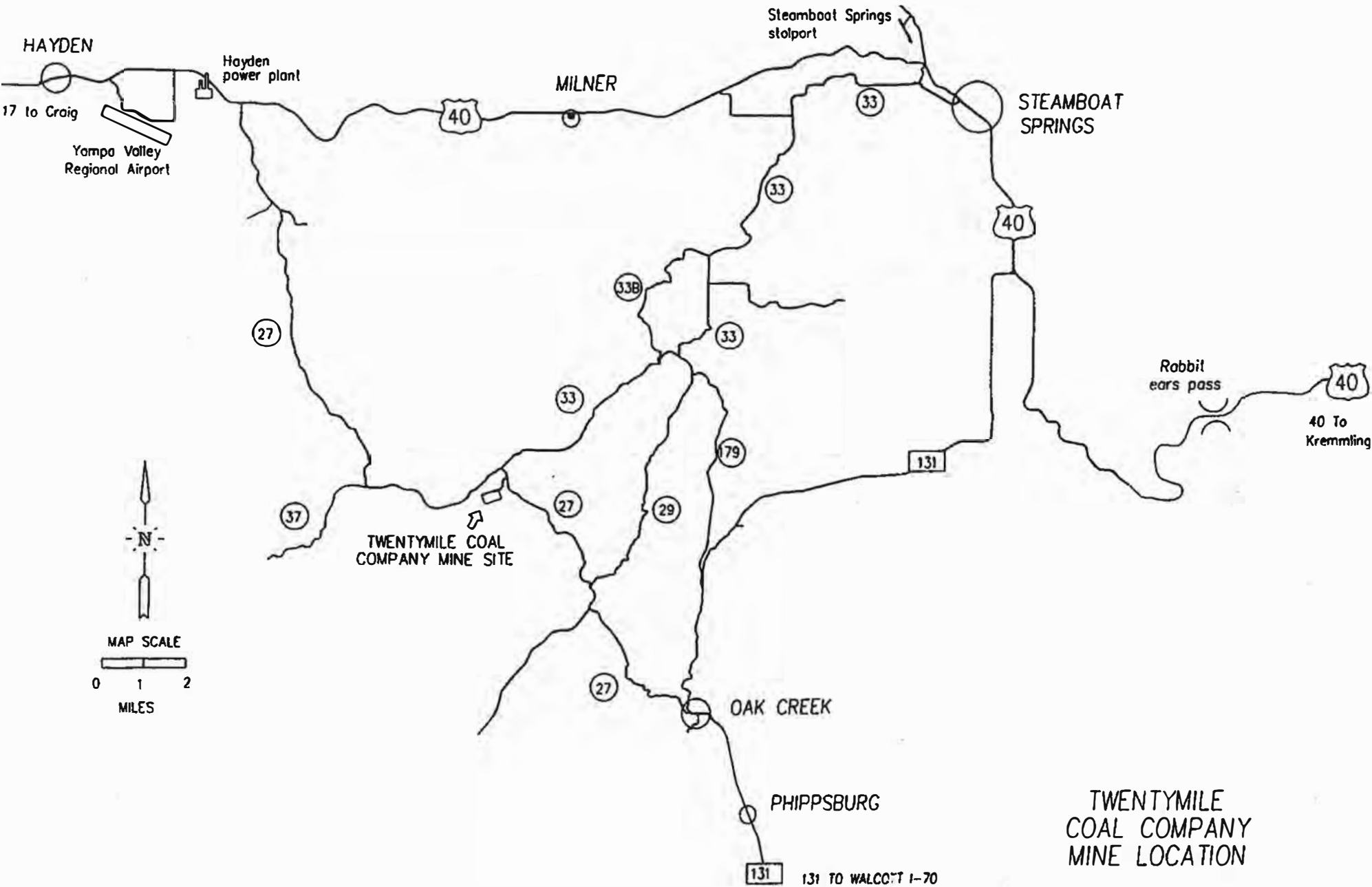
Attachment 6 Figures

Table of Contents

Figures

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Foidel Creek Mine, Designated Locations, Hydrologic Monitoring Program .....Figure 2





OTHERS

- SPRINGS
- SPRINGS OR SEEPS
- ▲ DISCHARGE POINTS

AR-06-4

TWENTYMILE COAL CO.

PATH J:\FLIGHT96\TOPOSIQUAD5\QUADBASE.DWG (TAB: FIG 2 HYDROLOGY MAP)  
 EXREF: D:\HYDROLOG\FIGURE 2 DESIGNATED LOCATIONS.DWG